Extrusion: **A290202 with 1/4" x 2-1/2" Bar**

System: 2900AW TrueLine

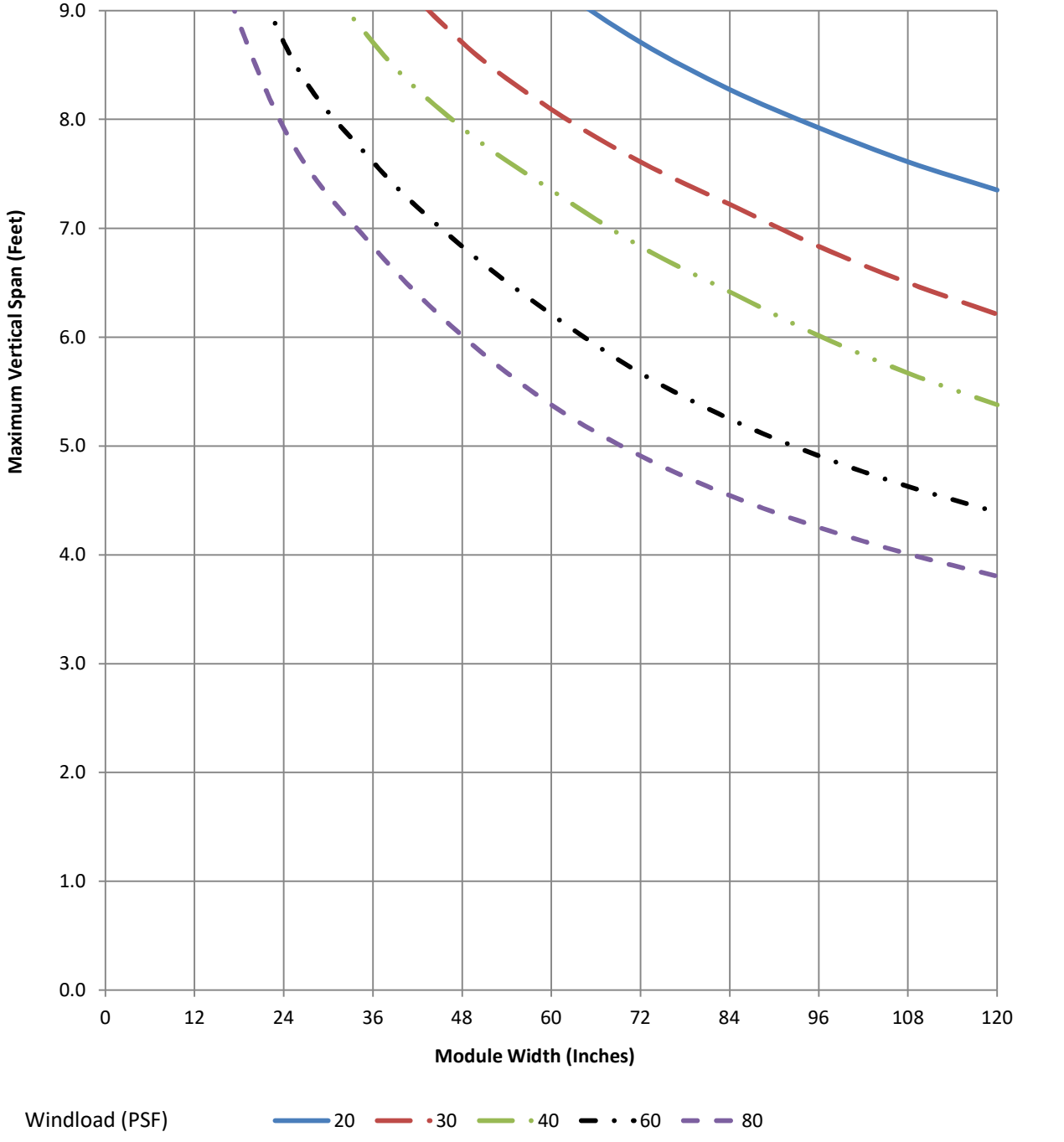
Typical Use: 2900 Double Glazed 4.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.61275	0.12877	1.14543	0.11546	1.42	0.3797	1.495	0.1236	0.3727	1.26

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 9 feet maximum.



Extrusion: **A290202_EA294001**

System: 2900AW TrueLine

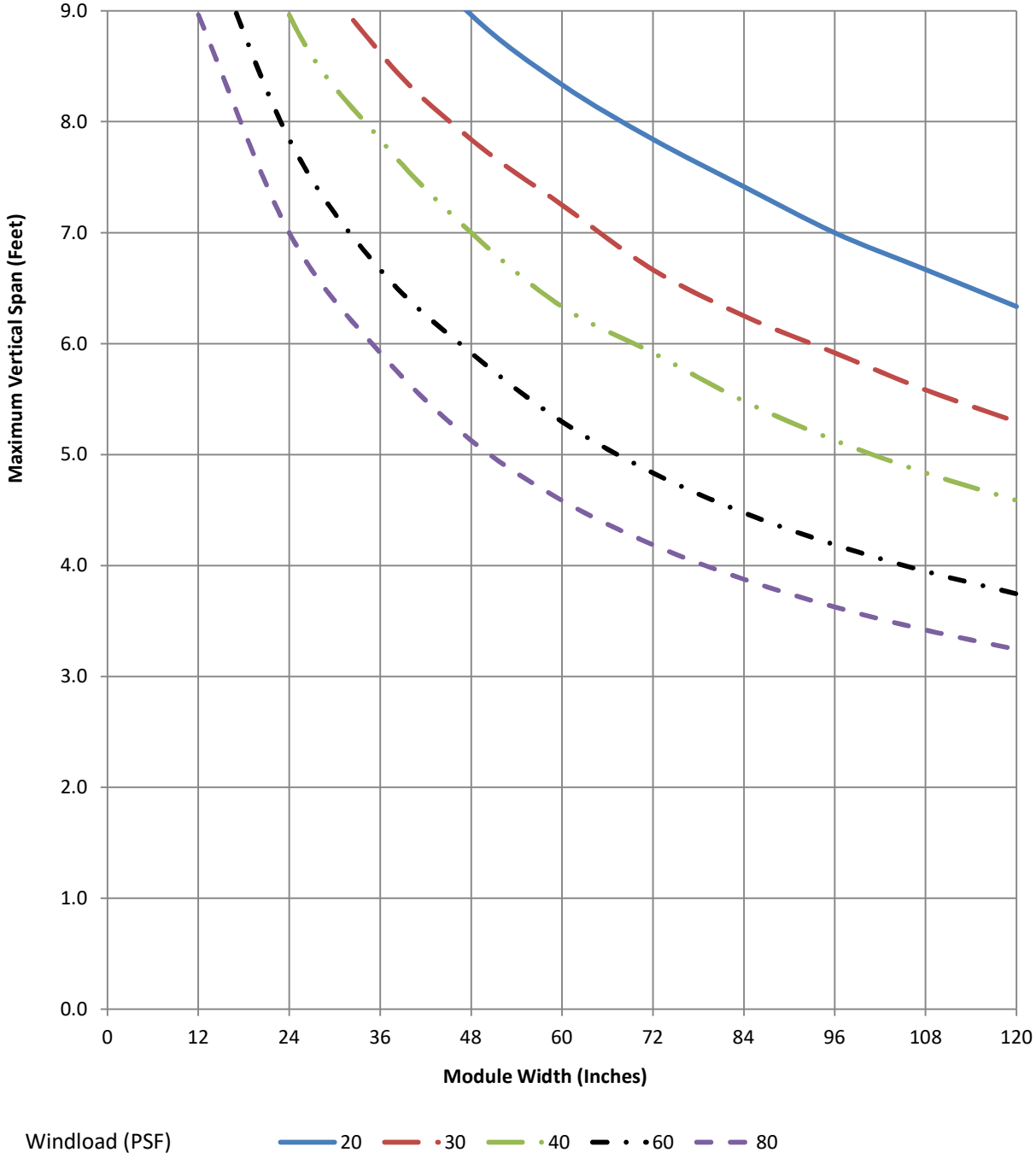
Typical Use: 2900 Double Glazed 4.25" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
1.9001	0.1226	0.833	0.10688	1.15134	0.29246	1.495	0.1253	0.374	1.5191

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 9 feet maximum.



Extrusion: **A290202**

System: 2900AW TrueLine

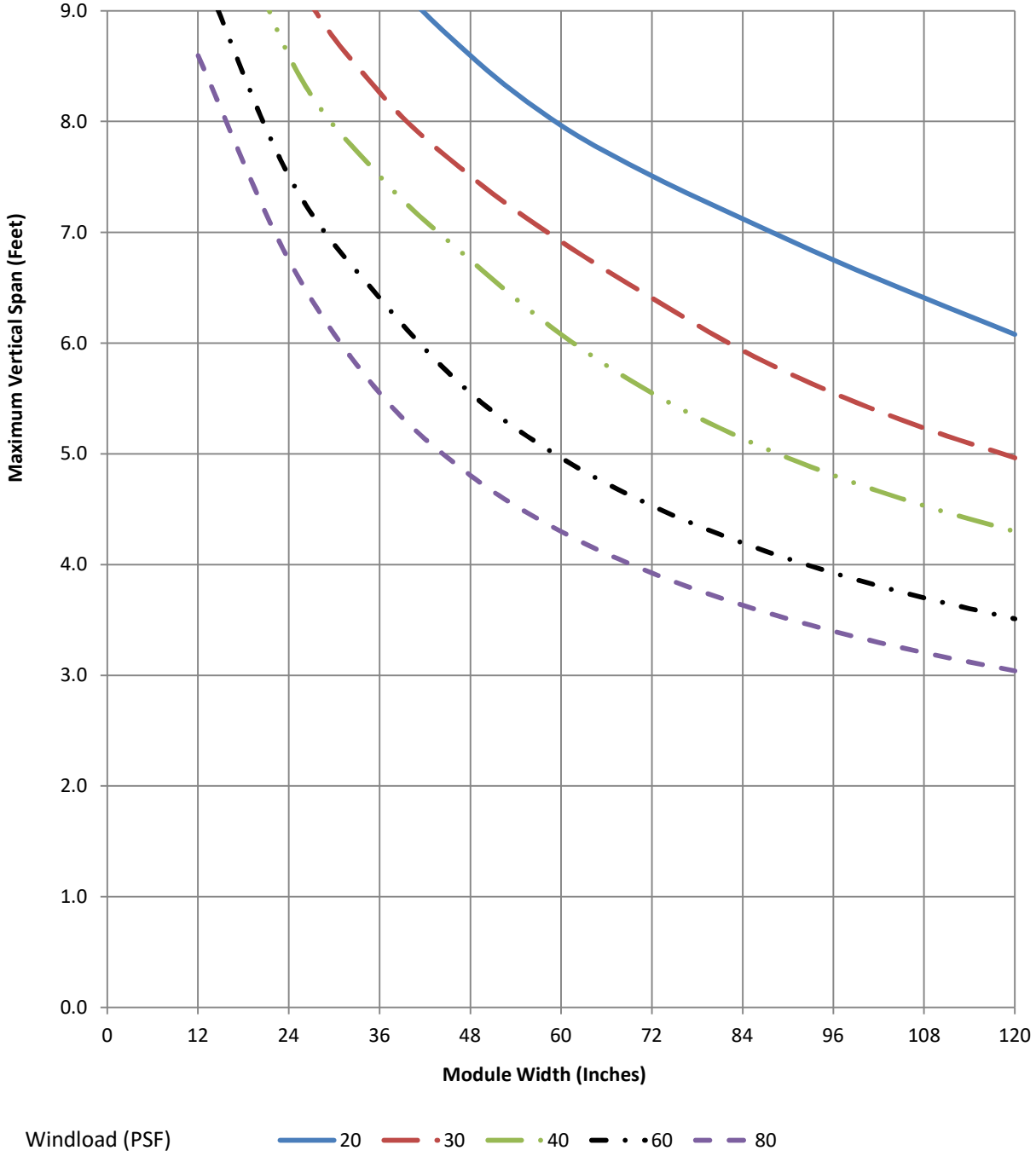
Typical Use: 2900 Double Glazed 4.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
1.6688	0.1192	0.7316	0.10688	1.42	0.3797	1.495	0.1236	0.3727	1.26

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 9 feet maximum.



Extrusion: **A290204 with 1/4" x 3" Bar**

System: 2900AW TrueLine

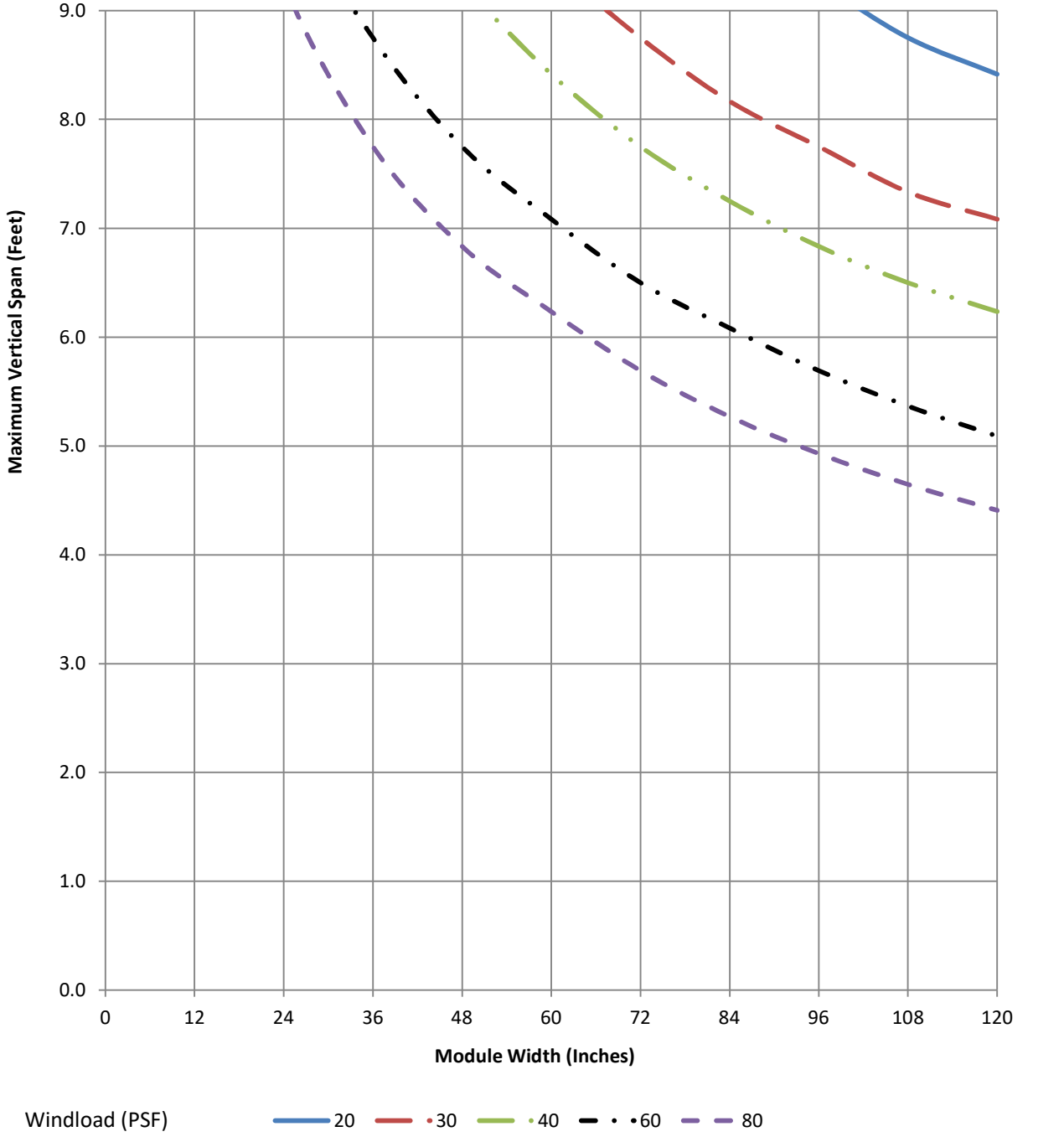
Typical Use: 2900 Double Glazed 5" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.15605	0.14155	1.53942	0.1266	1.645	0.3736	1.586	0.1741	0.5619	1.643

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 9 feet maximum.



Extrusion: **A290204_EA294001**

System: 2900AW TrueLine

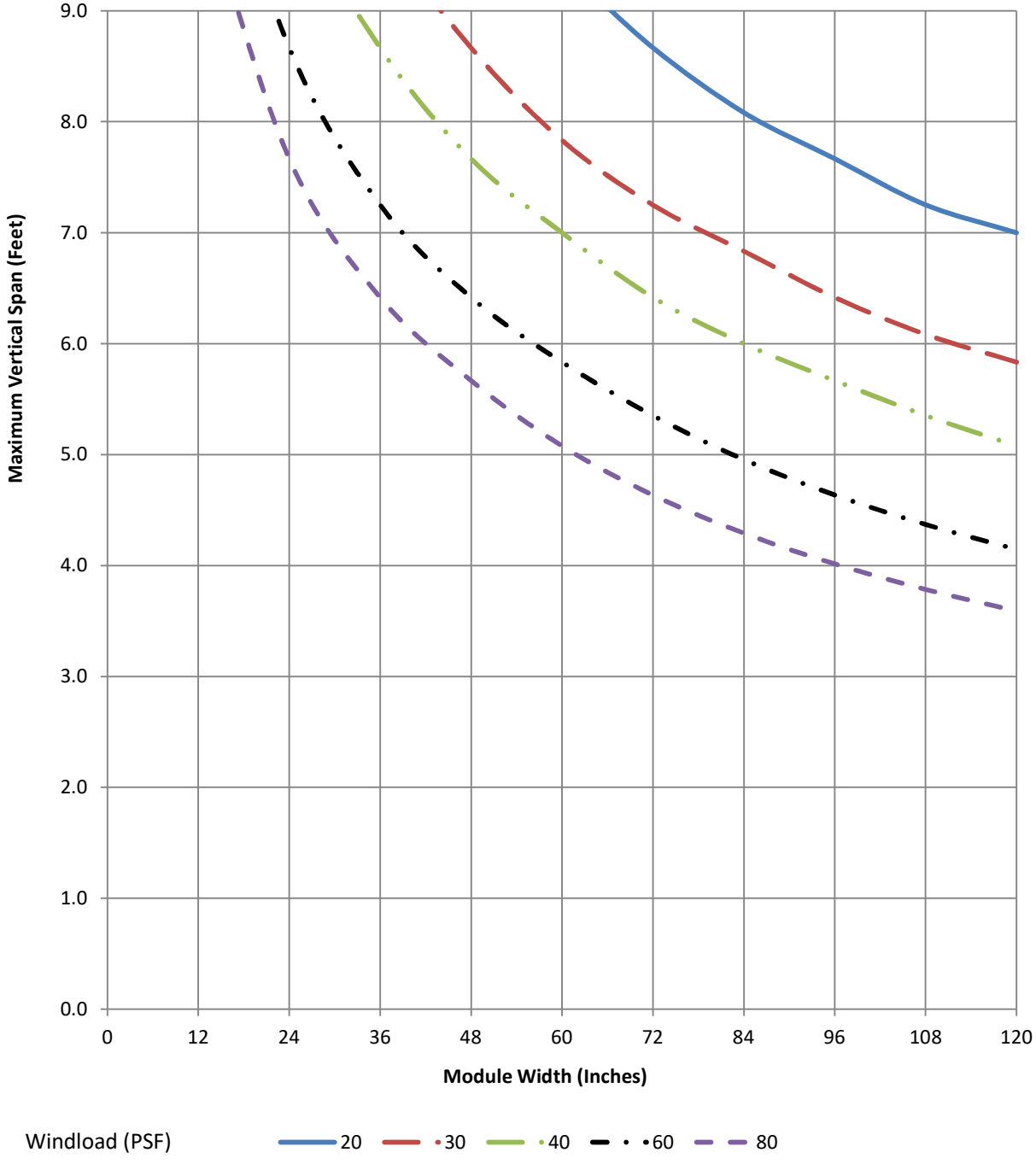
Typical Use: 2900 Double Glazed 5" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.7561	0.13364	1.02087	0.11648	1.32689	0.29218	1.586	0.1758	0.5632	1.9021

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 9 feet maximum.



Extrusion: **A290204**

System: 2900AW TrueLine

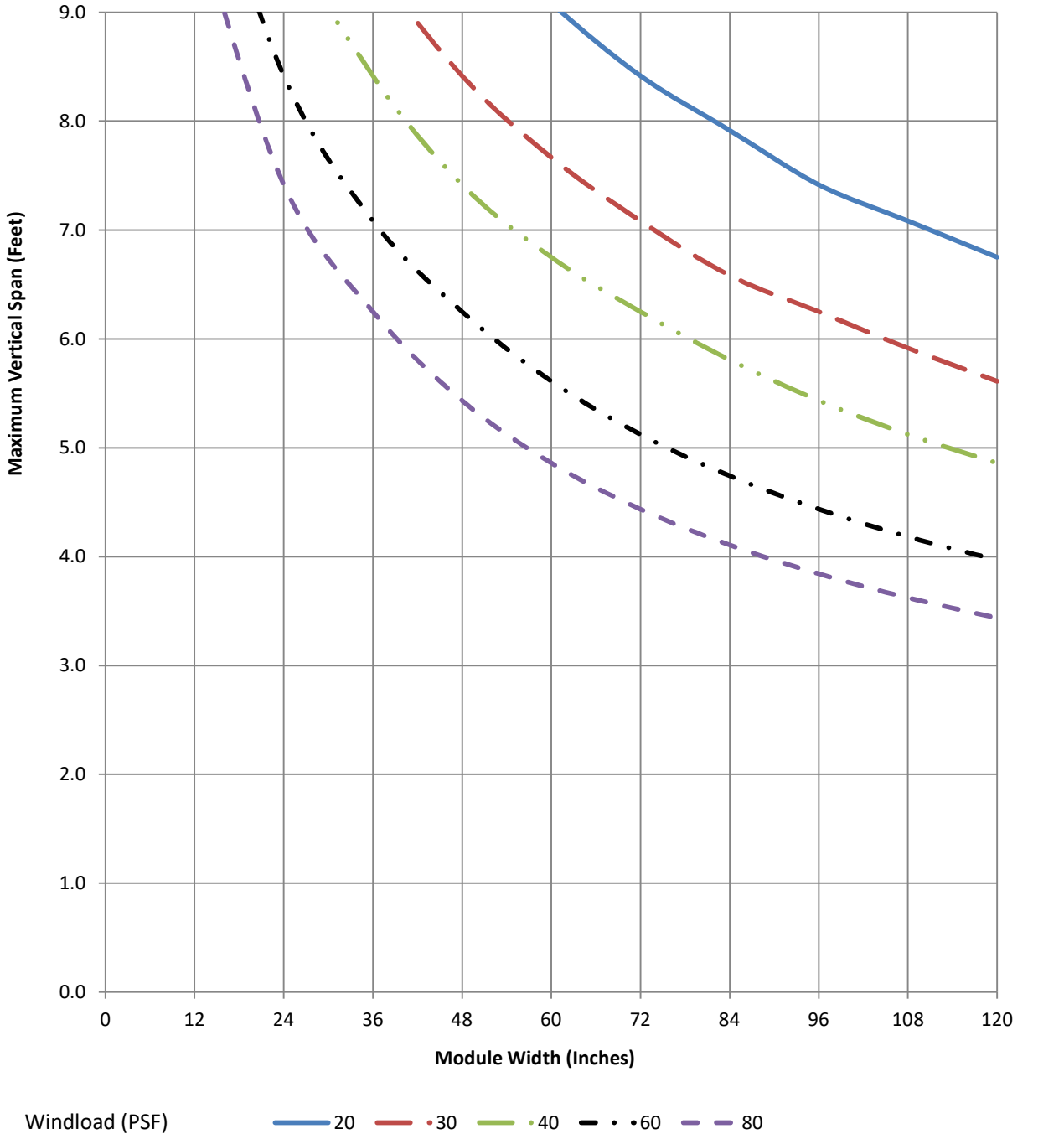
Typical Use: 2900 Double Glazed 5" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.5248	0.13024	0.9352	0.11648	1.645	0.3736	1.586	0.1741	0.5619	1.643

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 9 feet maximum.



Extrusion: **A290302 with 1/4" x 2-1/2" Bar**

System: 2900AW TrueLine

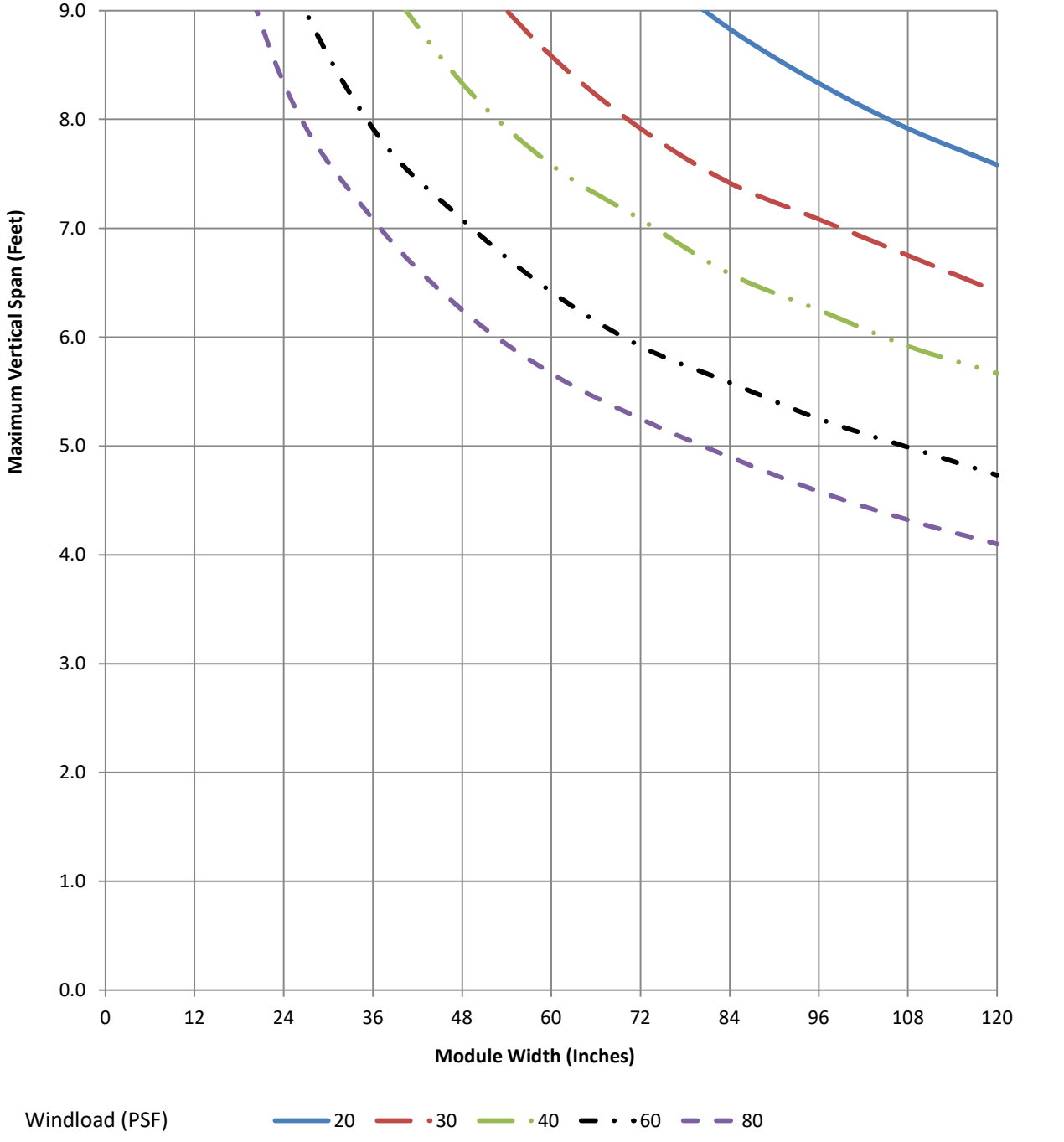
Typical Use: 2900 Triple Glazed 5" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.33995	0.12893	1.3304	0.11571	1.684	0.3759	1.589	0.1237	0.5458	1.503

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 9 feet maximum.



Extrusion: **A290302_EA294001**

System: 2900AW TrueLine

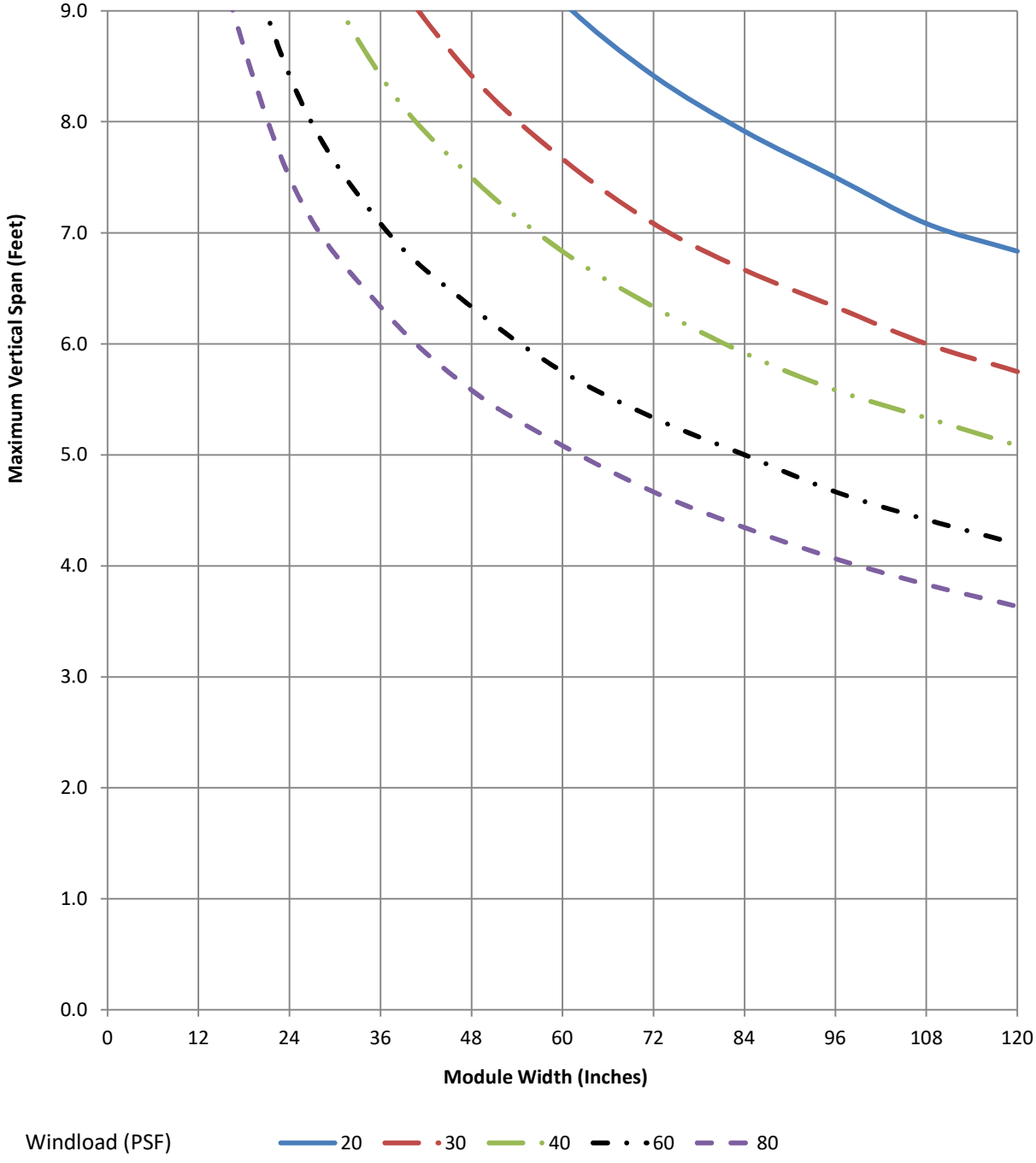
Typical Use: 2900 Triple Glazed 5" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.6273	0.12276	1.04653	0.10712	1.34358	0.29043	1.589	0.1254	0.5471	1.7621

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 9 feet maximum.



Extrusion: **A290302**

System: 2900AW TrueLine

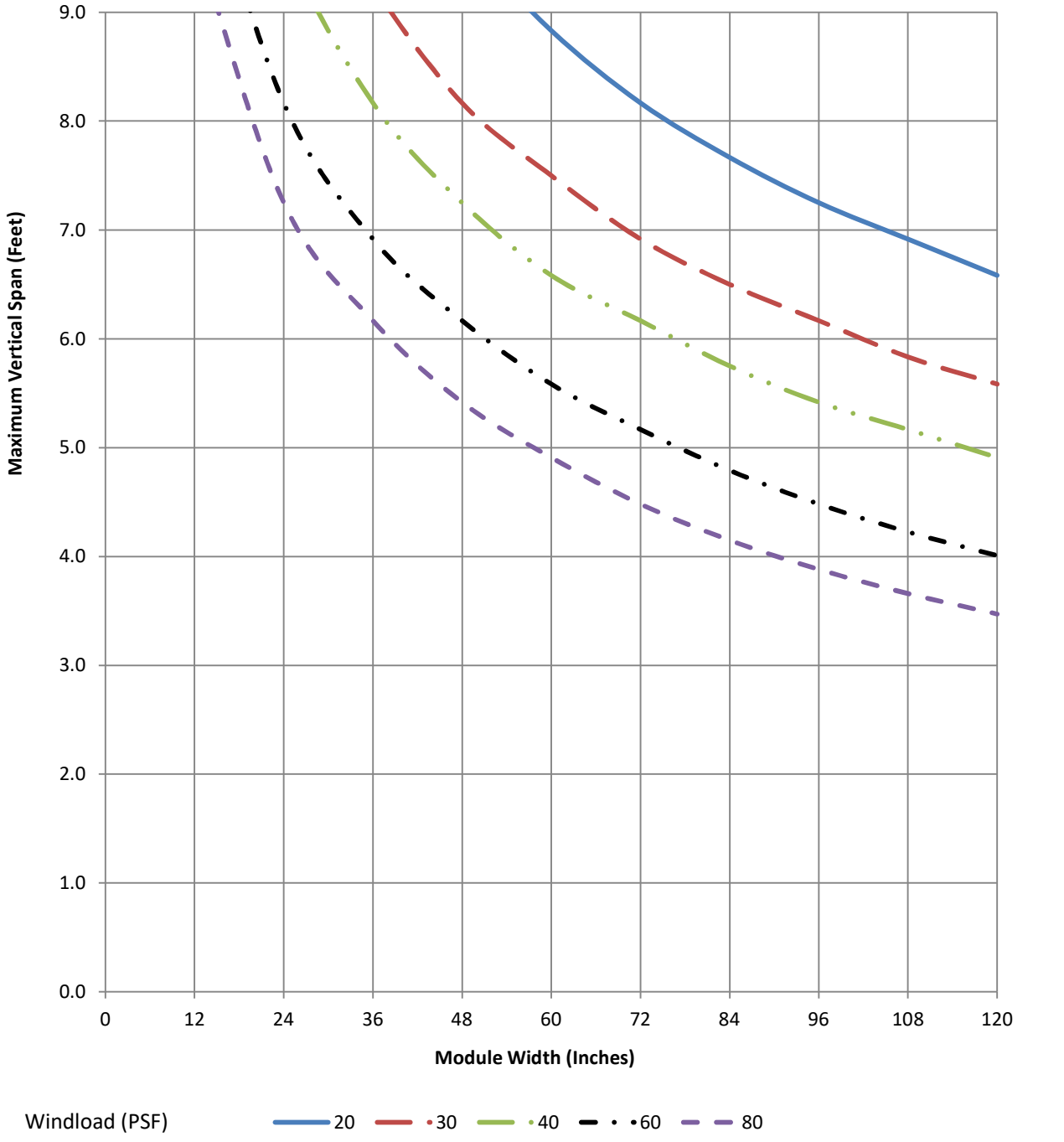
Typical Use: 2900 Triple Glazed 5" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.396	0.11936	0.9544	0.10712	1.684	0.3759	1.589	0.1237	0.5458	1.503

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 9 feet maximum.



Extrusion: **A290304 with 1/4" x 3" Bar**

System: 2900AW TrueLine

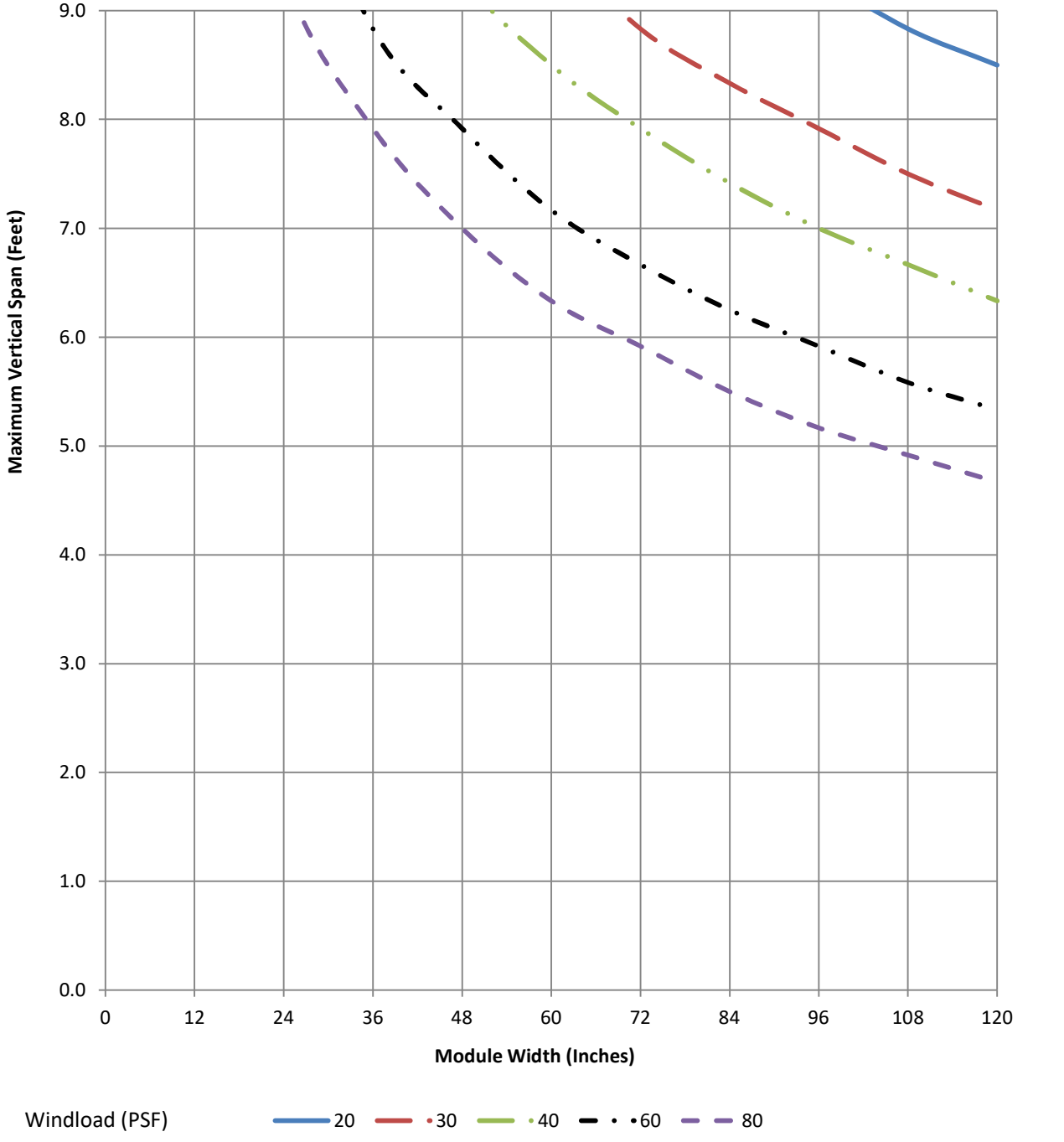
Typical Use: 2970 Triple Glazed 5.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.01605	0.14163	1.72497	0.12685	1.888	0.3704	1.609	0.1741	0.7853	1.889

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 9 feet maximum.



Extrusion: **A290304_EA294001**

System: 2900AW TrueLine

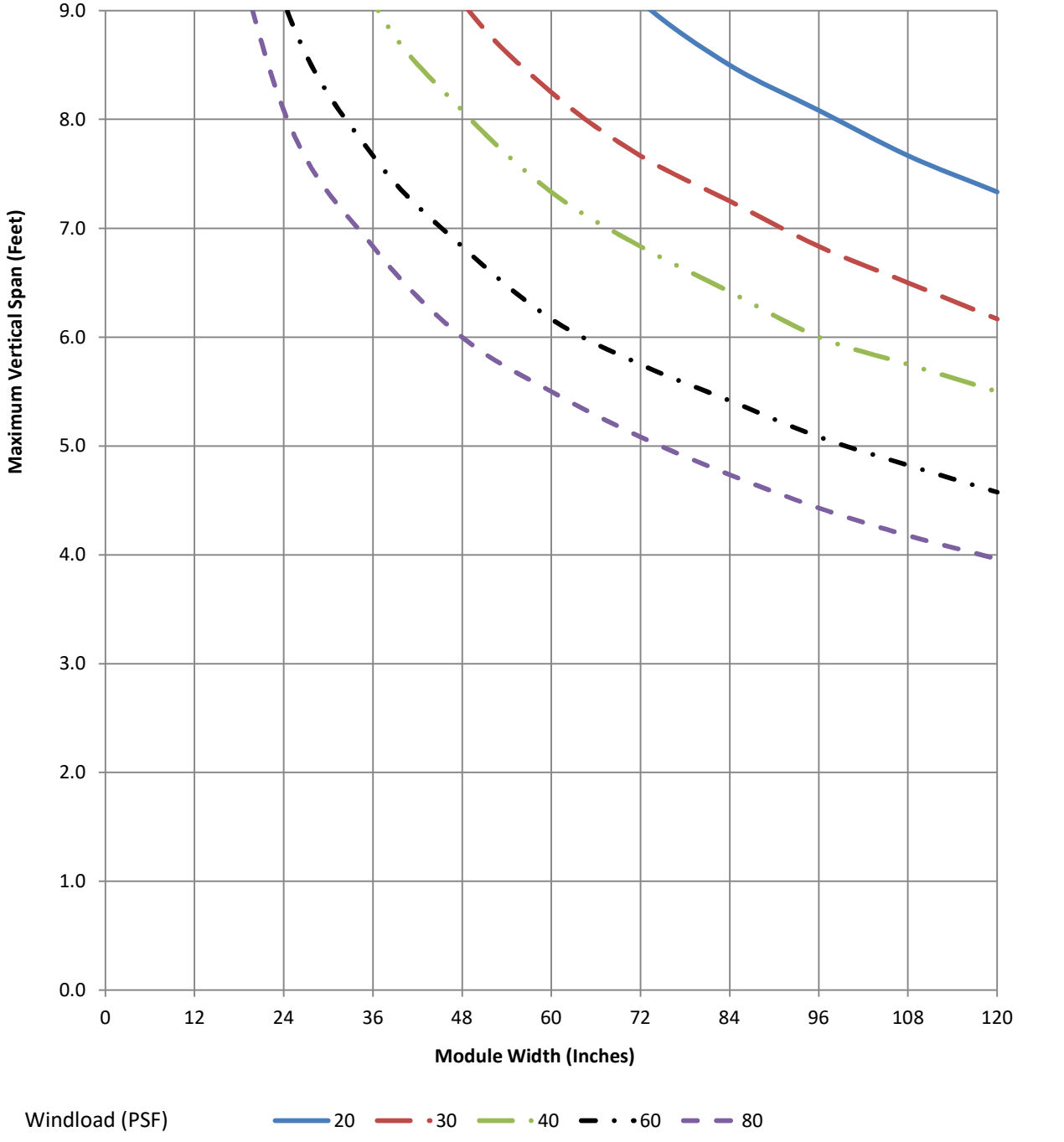
Typical Use: 2970 Triple Glazed 5.75" Mullion and Horizontal With Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.6161	0.13372	1.24354	0.11672	1.50978	0.29033	1.609	0.1758	0.7866	2.1481

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 9 feet maximum.



Extrusion: **A290304**

System: 2900AW TrueLine

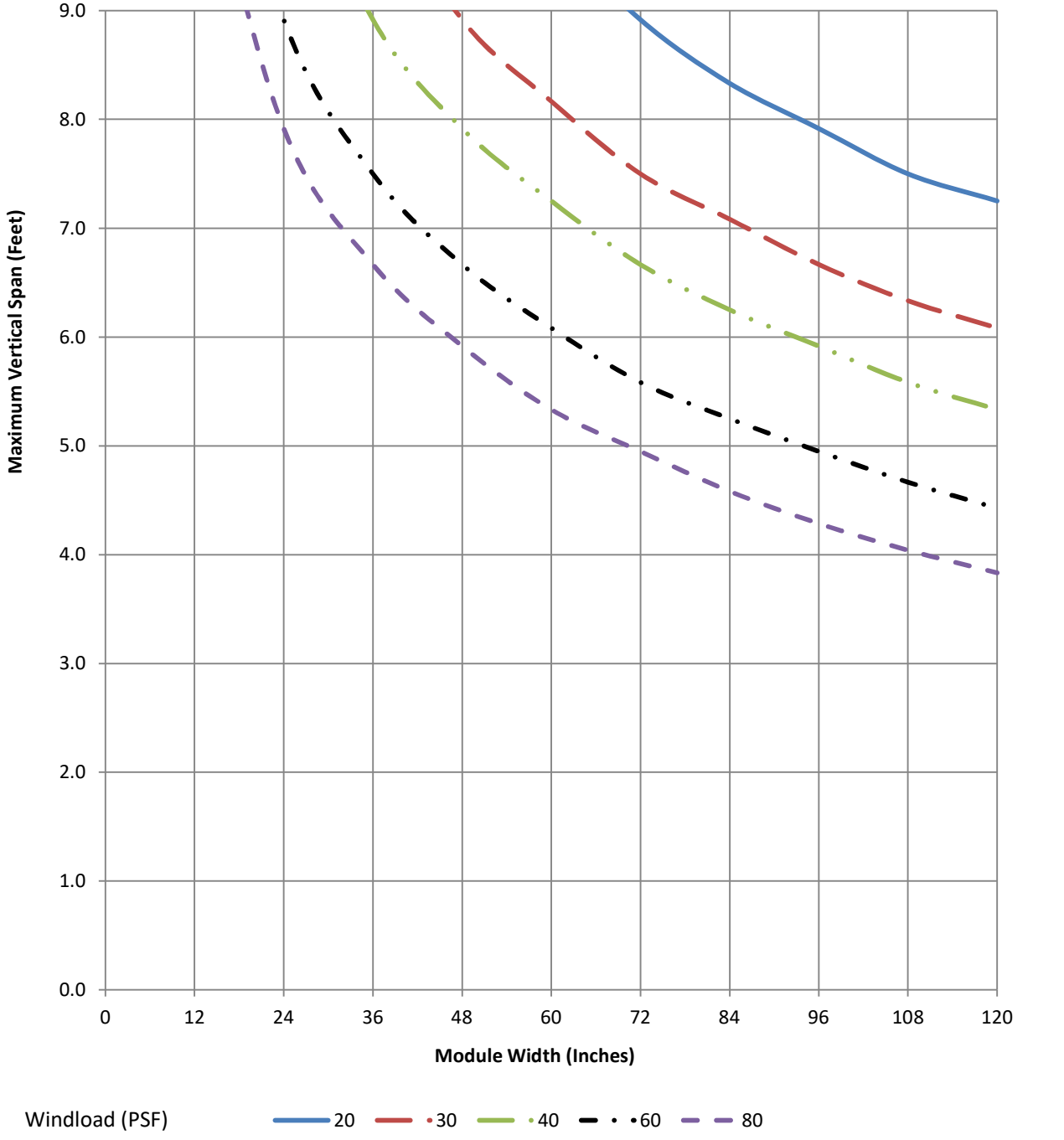
Typical Use: 2970 Triple Glazed 5.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.3848	0.13032	1.164	0.11672	1.888	0.3704	1.609	0.1741	0.7853	1.889

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 9 feet maximum.



Extrusion: **A297202 with 1/4" x 2-1/2" Bar**

System: 2970AW ShadowLine

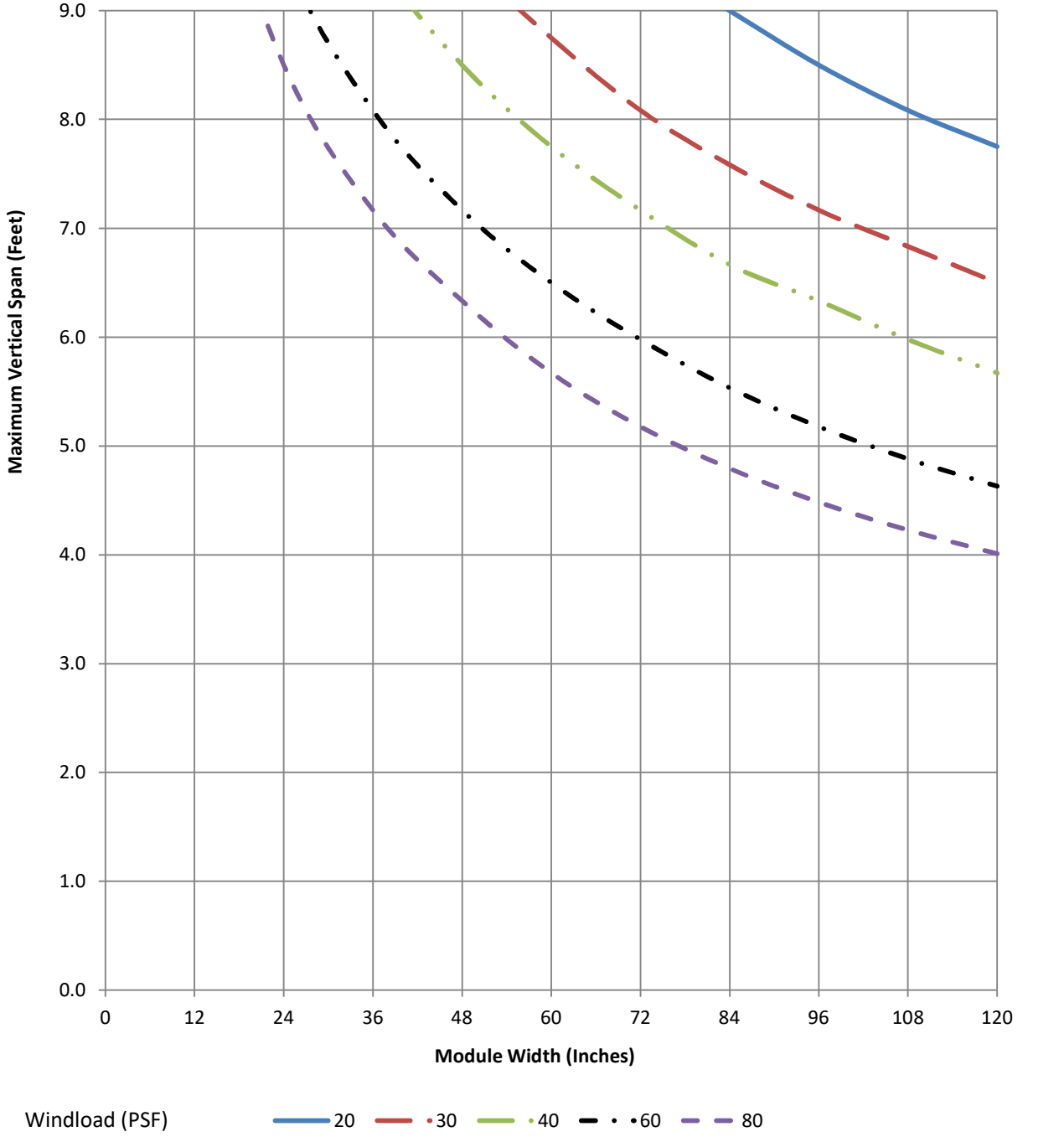
Typical Use: 2970 Double Glazed 5.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.39195	0.14157	1.29138	0.12621	1.607	0.3731	1.407	0.1672	0.4469	1.647

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 9 feet maximum.



Extrusion: **A297202_EA294001**

System: 2970AW ShadowLine

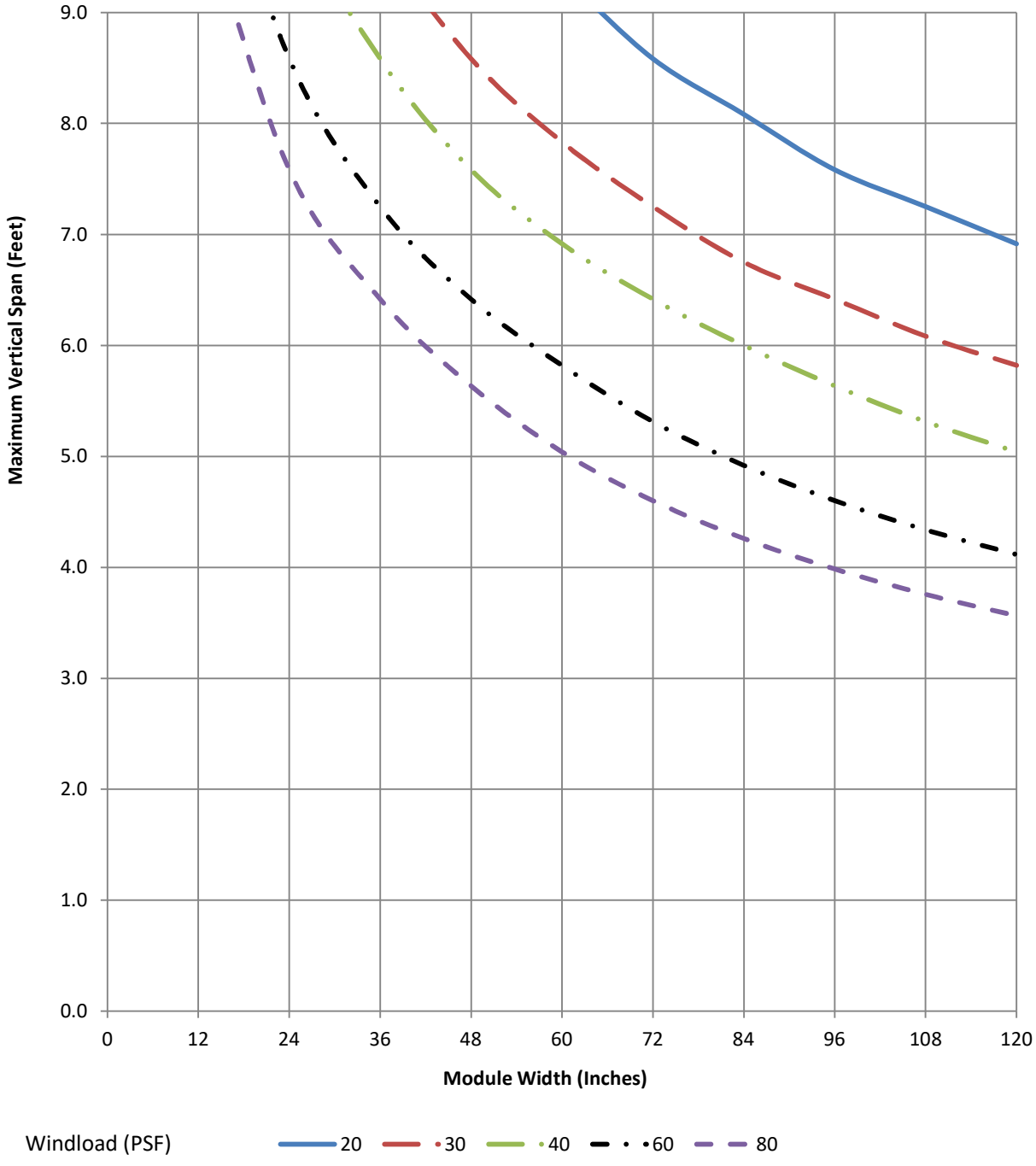
Typical Use: 2970 Double Glazed 5.25" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.6793	0.1354	1.02006	0.11768	1.3004	0.29233	1.407	0.1689	0.4482	1.9061

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 9 feet maximum.



Extrusion: **A297202**

System: 2970AW ShadowLine

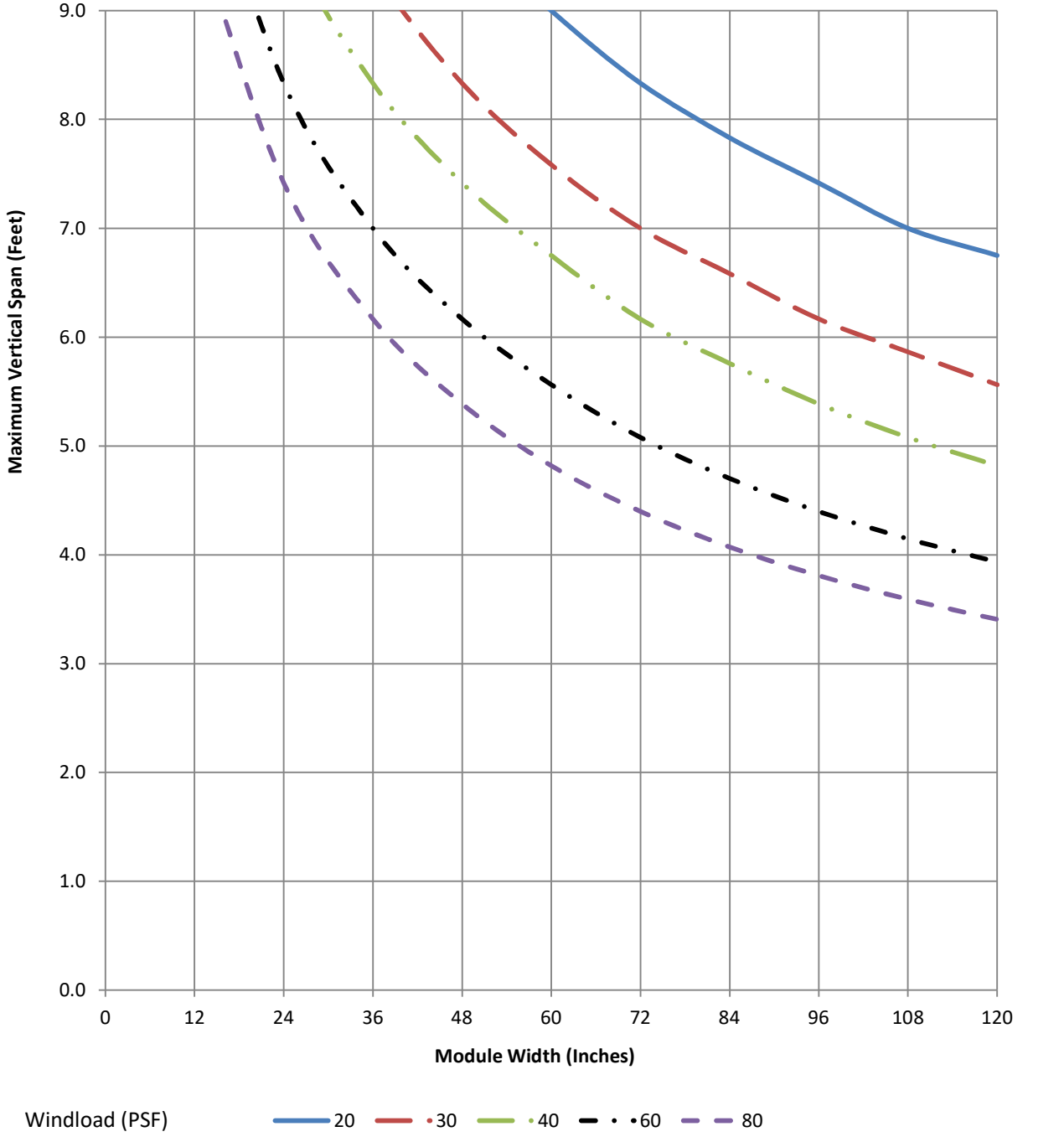
Typical Use: 2970 Double Glazed 5.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.448	0.132	0.932	0.11768	1.607	0.3731	1.407	0.1672	0.4469	1.647

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 9 feet maximum.



Extrusion: **A297204_A297205 with 1/4" x 2-1/4" Bar**

System: 2970AW ShadowLine

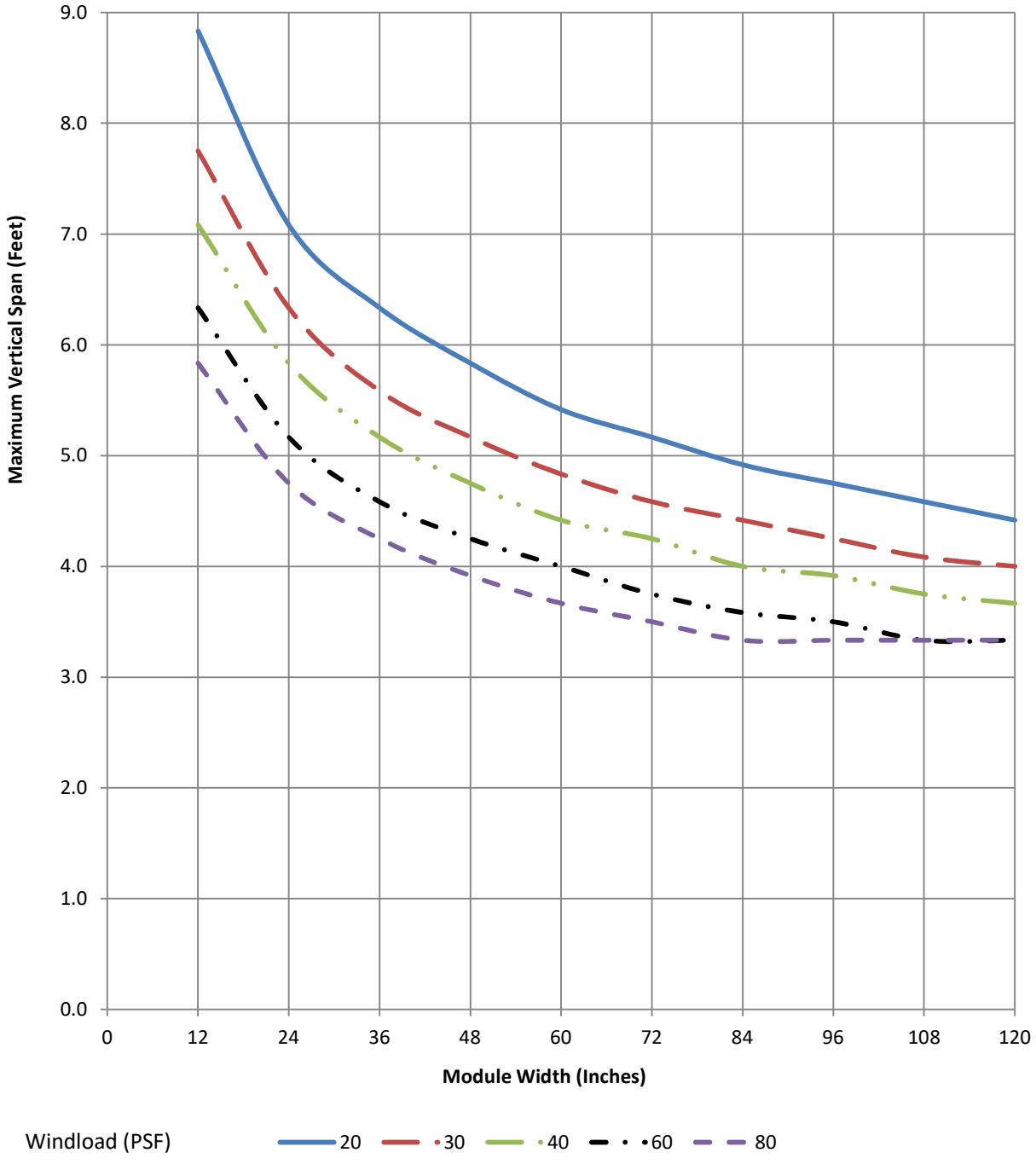
Typical Use: 2970 Double Glazed 5.25" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.83137	0.07145	1.33483	0.07308	1.4708	0.20829	2.326	0.0031	0.1851	2.041

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 9 feet maximum.



Extrusion: **A297204_A297205**

System: 2970AW ShadowLine

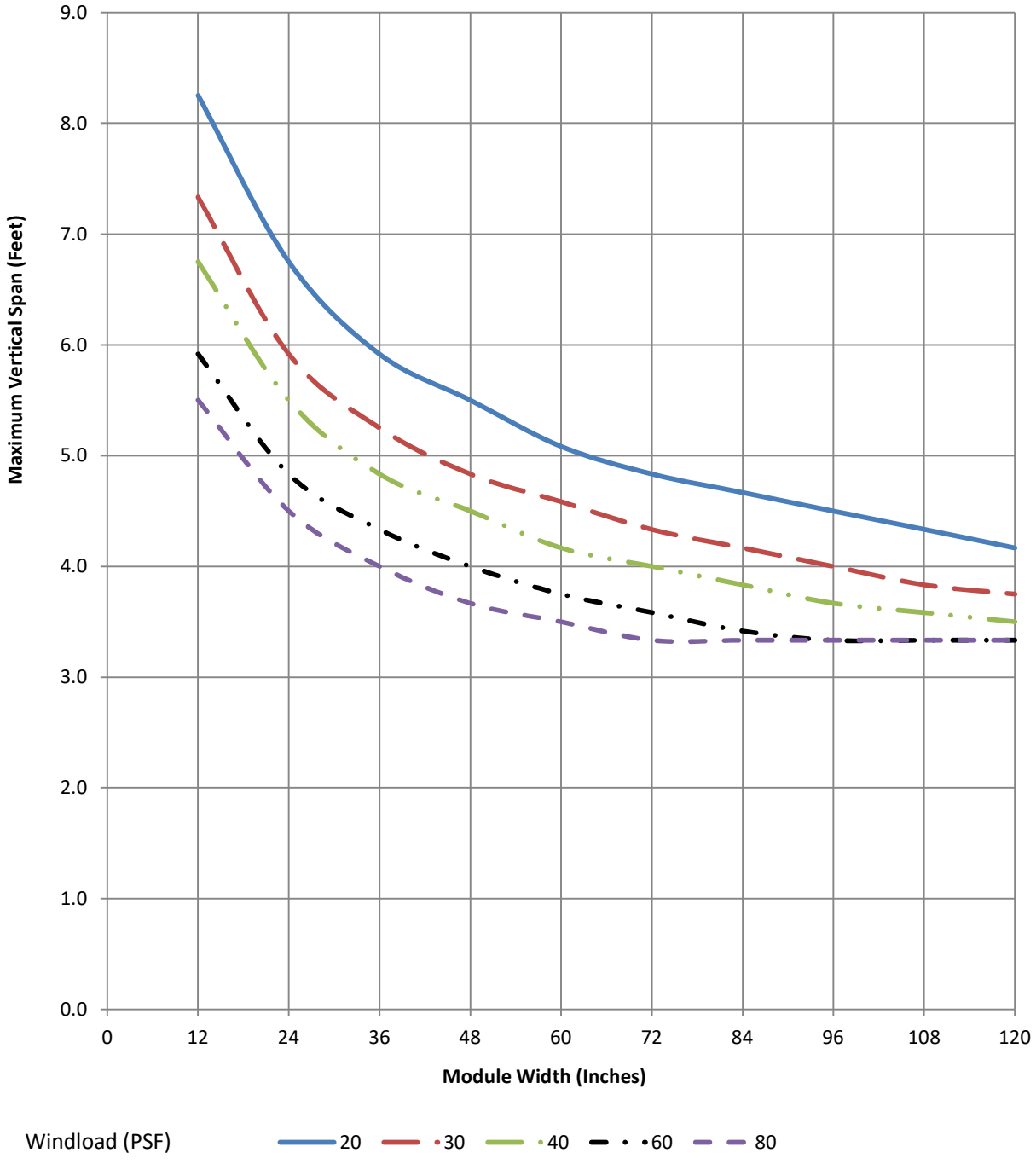
Typical Use: 2970 Double Glazed 5.25" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.1432	0.06304	1.09507	0.06448	1.4708	0.20829	2.326	0.0031	0.1851	2.041

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 9 feet maximum.



Extrusion: **A297222 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

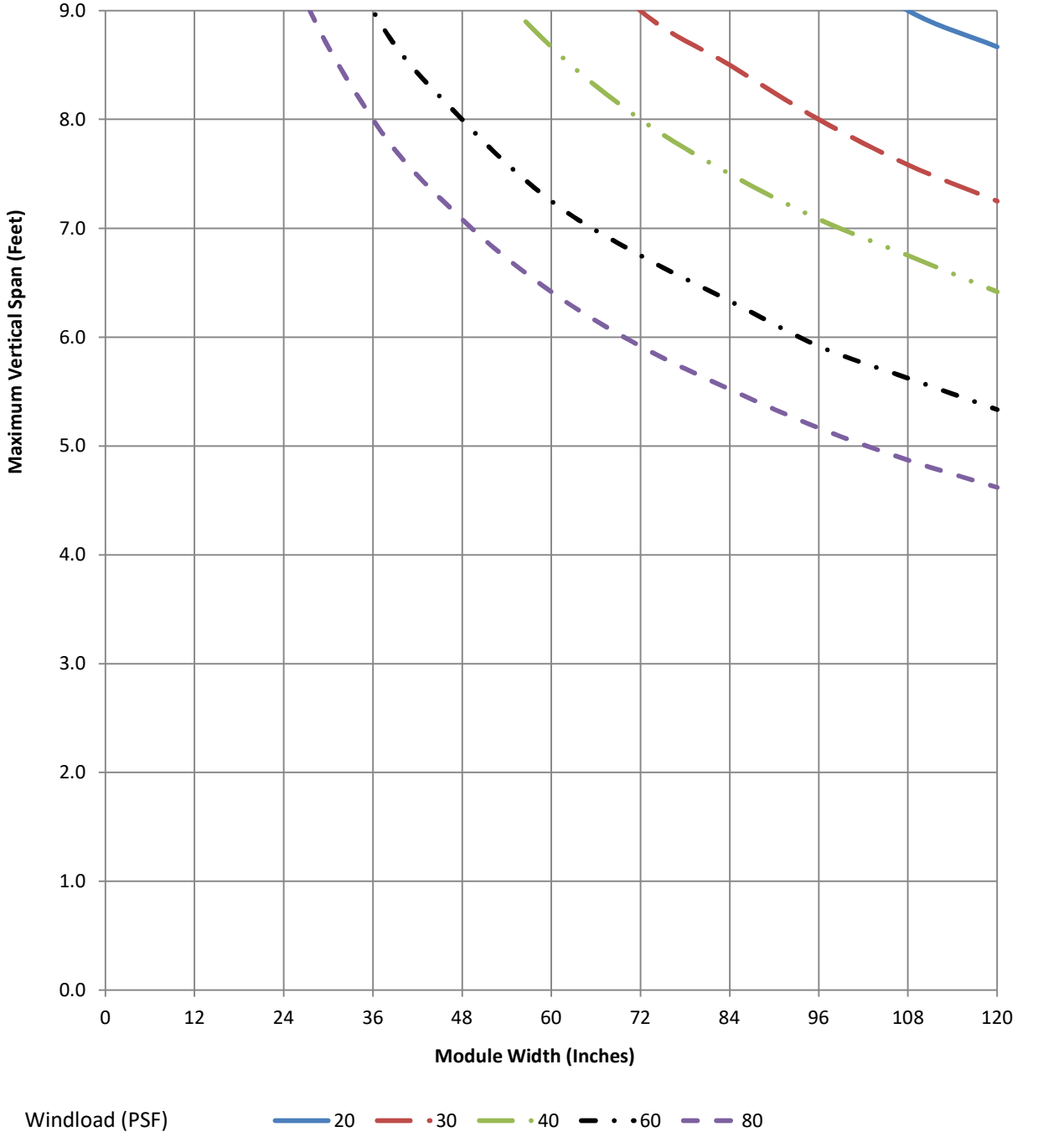
Typical Use: 2970 Double Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.15205	0.15427	1.69042	0.13752	1.828	0.3683	1.504	0.2177	0.6666	2.064

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 9 feet maximum.



Extrusion: **A297222_EA294001**

System: 2970AW ShadowLine

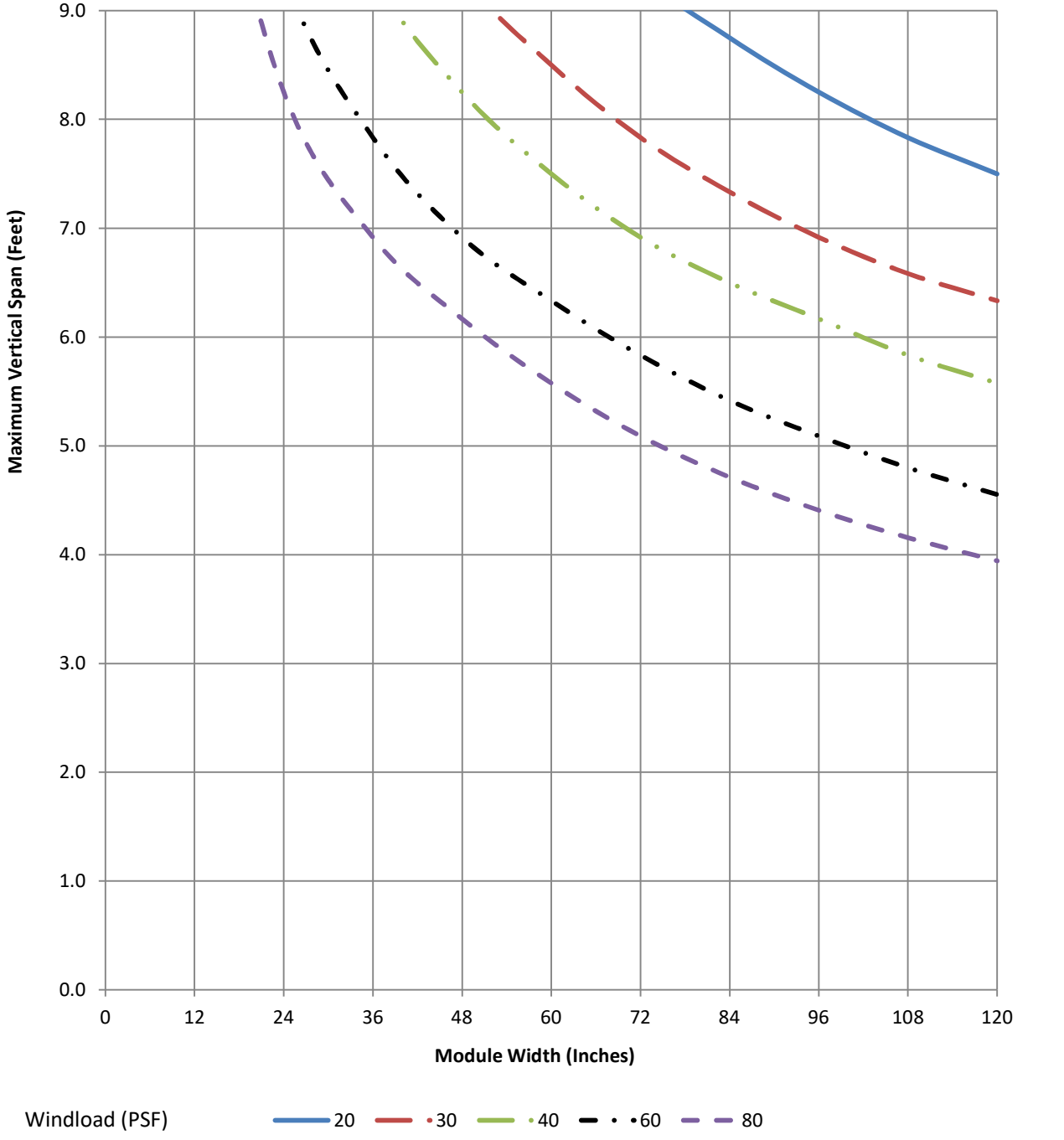
Typical Use: 2970 Double Glazed 6" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.7521	0.14636	1.23109	0.12744	1.47852	0.29201	1.504	0.2194	0.6679	2.3231

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 9 feet maximum.



Extrusion: **A297222**

System: 2970AW ShadowLine

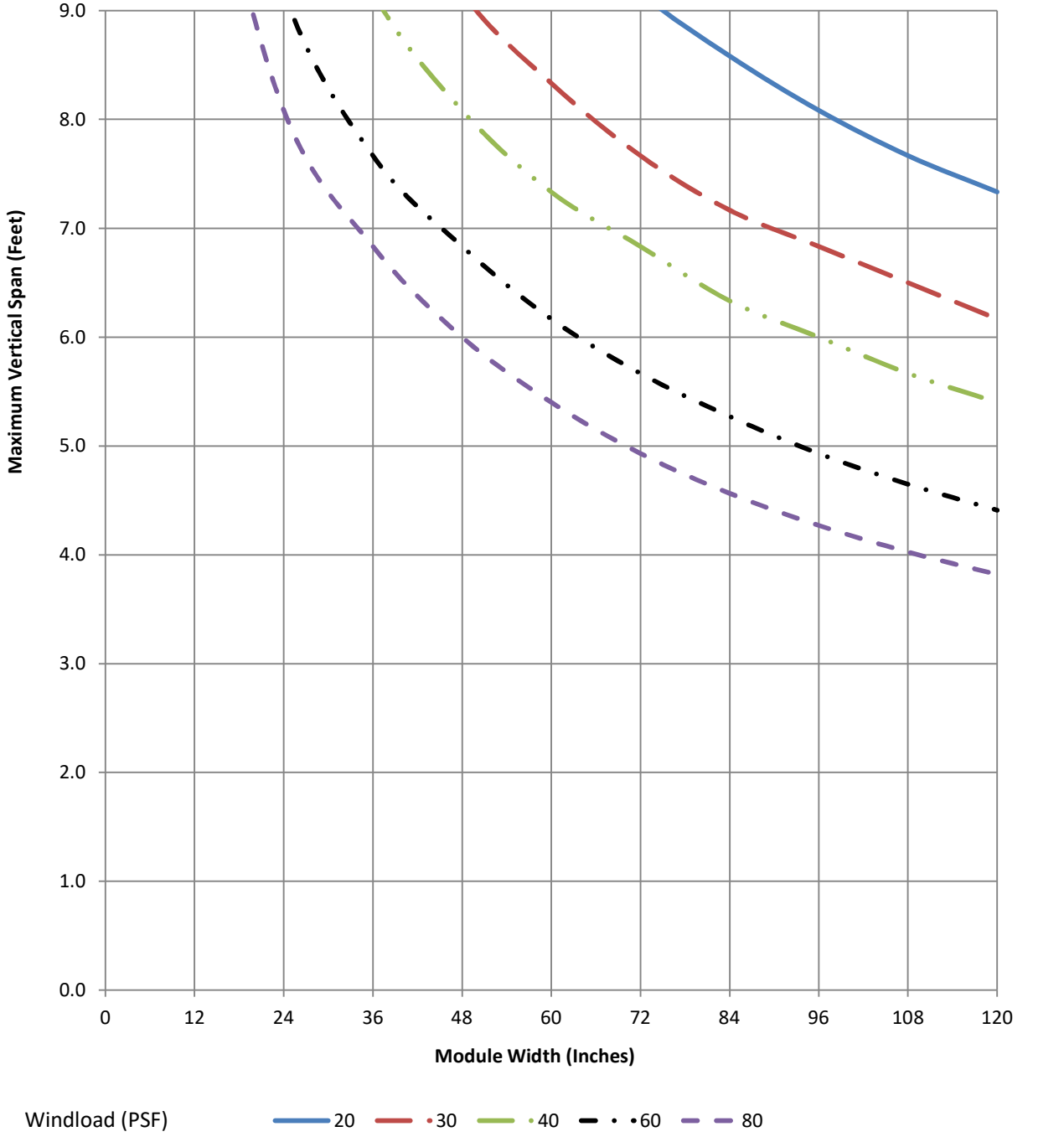
Typical Use: 2970 Double Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.5208	0.14296	1.1552	0.12744	1.828	0.3683	1.504	0.2177	0.6666	2.064

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 9 feet maximum.



Extrusion: **A297224_A297225 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

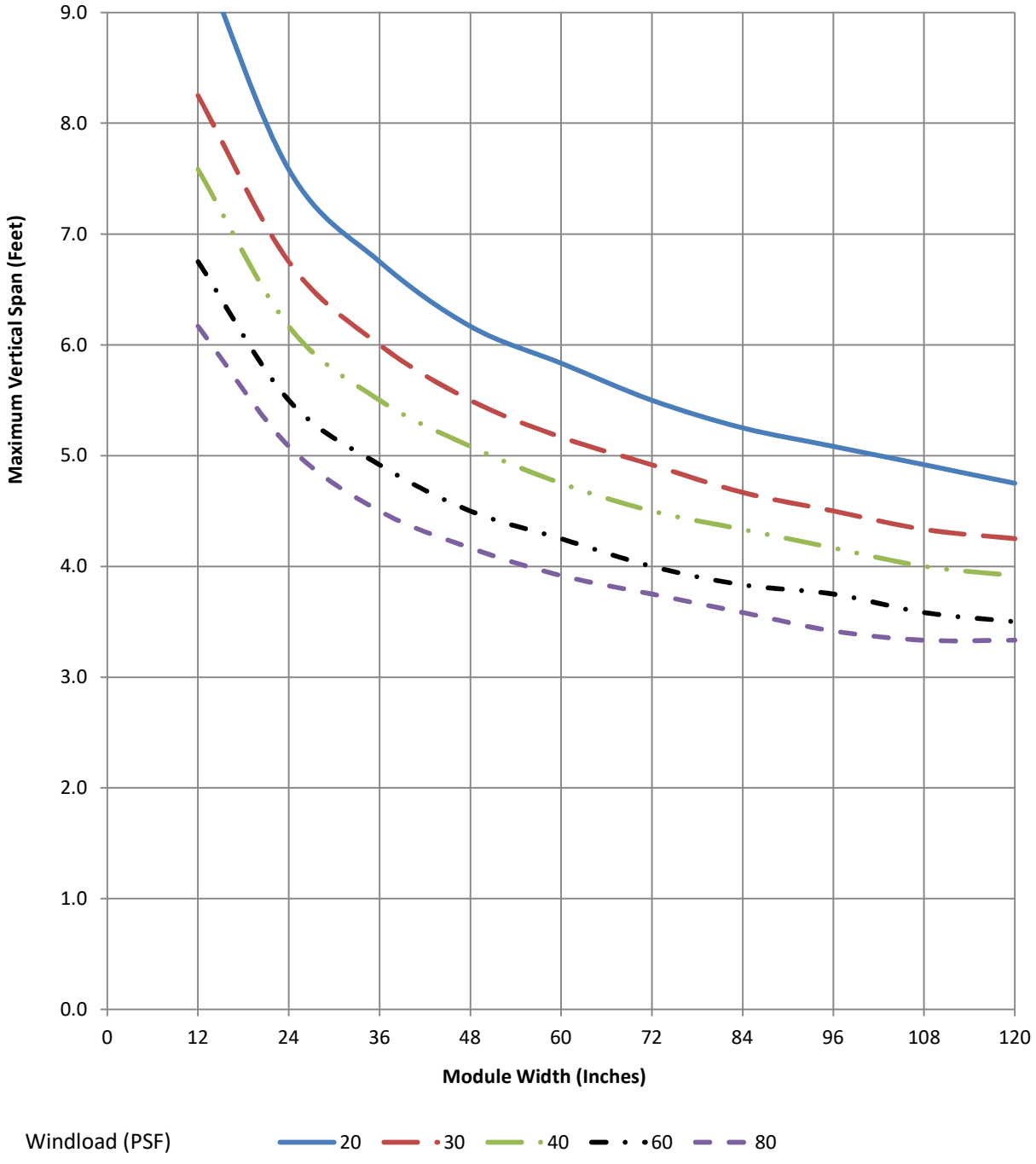
Typical Use: 2970 Double Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.16165	0.07507	1.86874	0.07582	1.68985	0.20047	2.859	0.0035	0.261	2.559

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 9 feet maximum.



Extrusion: **A297224_A297225**

System: 2970AW ShadowLine

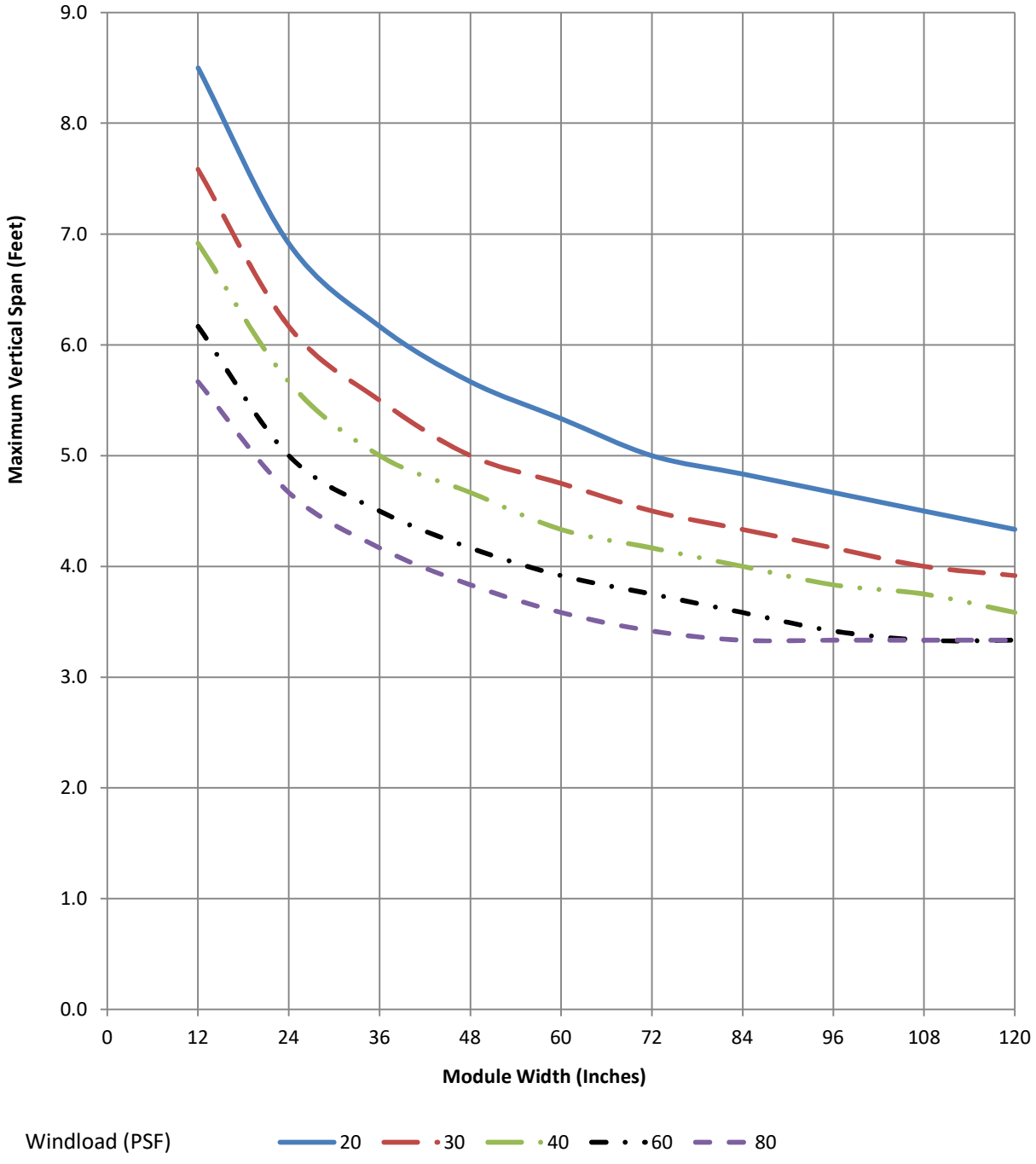
Typical Use: 2970 Double Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.5304	0.06376	1.37401	0.0644	1.68985	0.20047	2.859	0.0035	0.261	2.559

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 9 feet maximum.



Extrusion: **A297242 with 1/4" x 2-1/2" Bar**

System: 2970AW ShadowLine

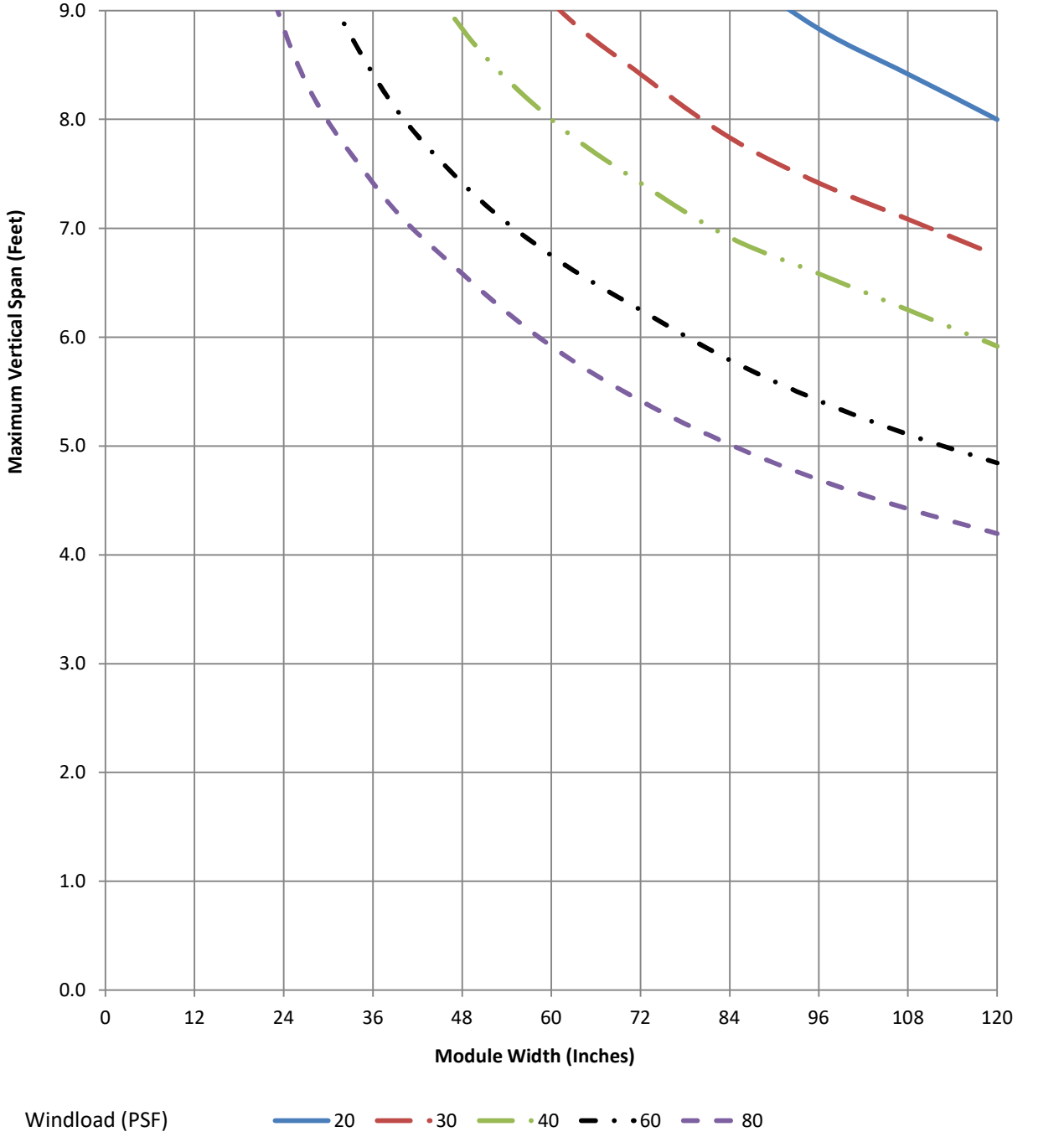
Typical Use: 2970 Double Glazed 6.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.59115	0.15413	1.53173	0.1369	1.852	0.3686	1.022	0.2217	0.5396	2.129

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 9 feet maximum.



Extrusion: **A297242_EA294001**

System: 2970AW ShadowLine

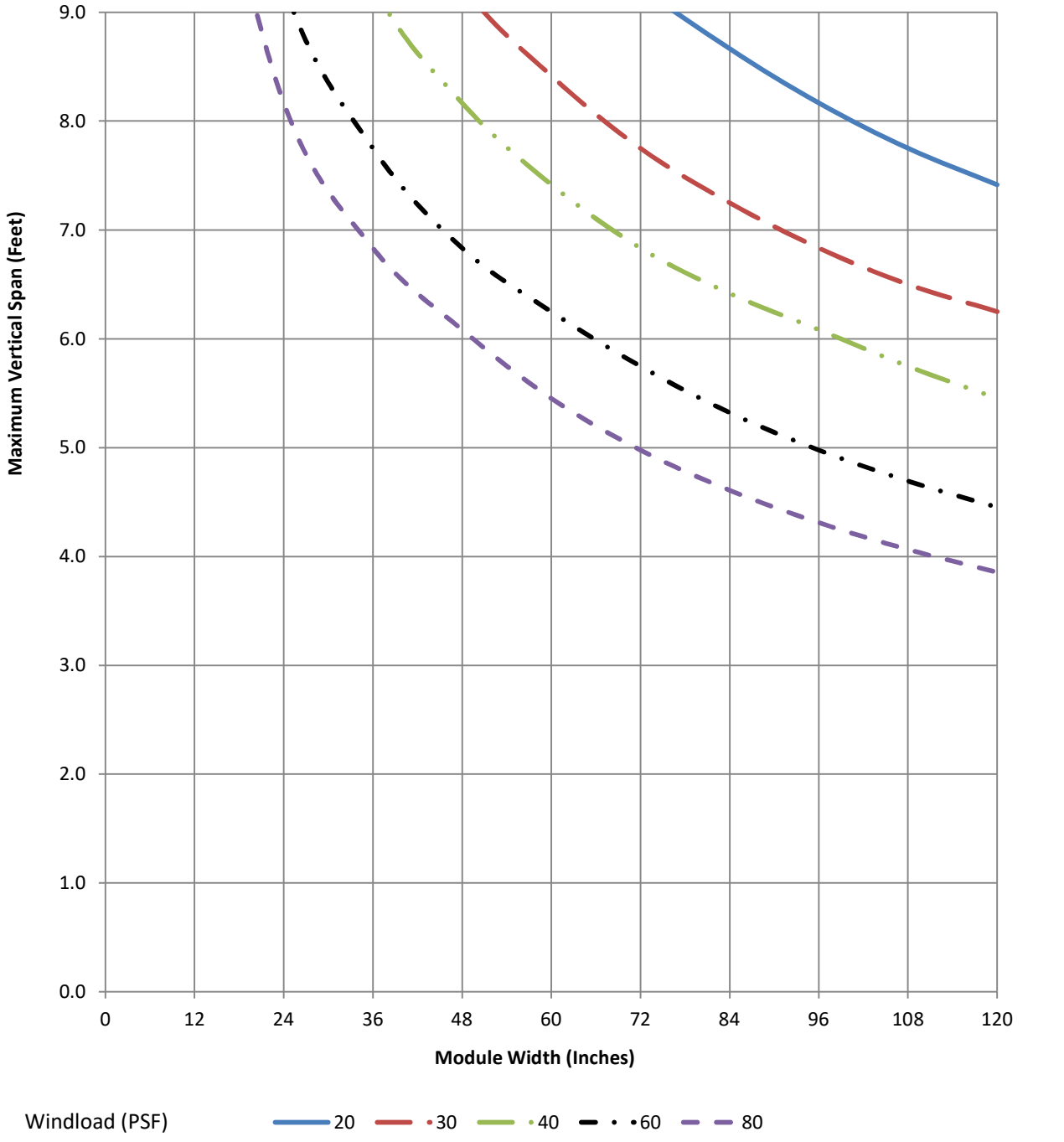
Typical Use: 2970 Double Glazed 6.25" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.8785	0.14796	1.29397	0.1284	1.49756	0.2925	1.022	0.2234	0.5409	2.3881

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 9 feet maximum.



Extrusion: **A297242**

System: 2970AW ShadowLine

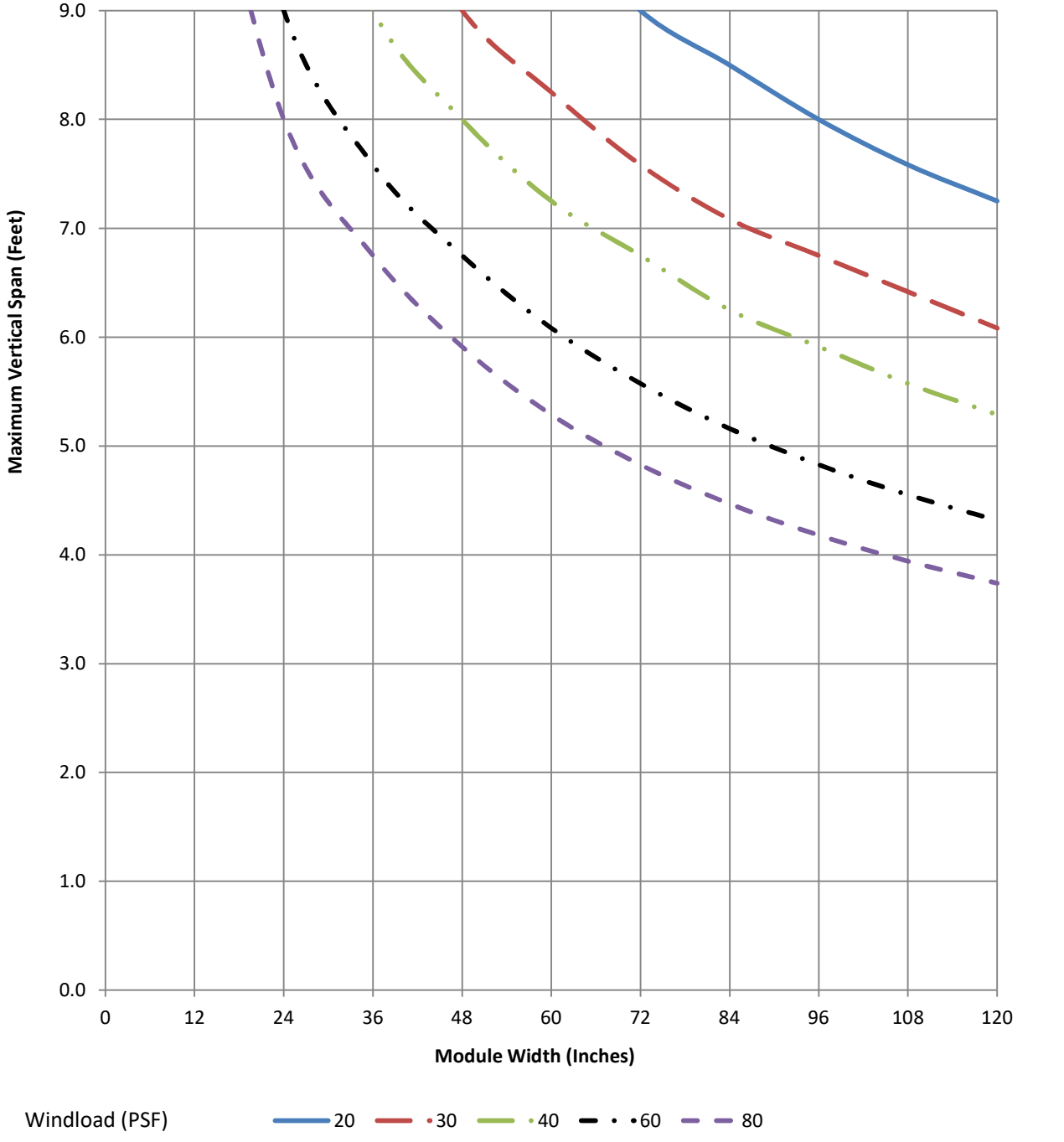
Typical Use: 2970 Double Glazed 6.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.6472	0.14456	1.2168	0.1284	1.852	0.3686	1.022	0.2217	0.5396	2.129

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 9 feet maximum.



Extrusion: **A297244_A297245 with 1/4" x 2-1/4" Bar**

System: 2970AW ShadowLine

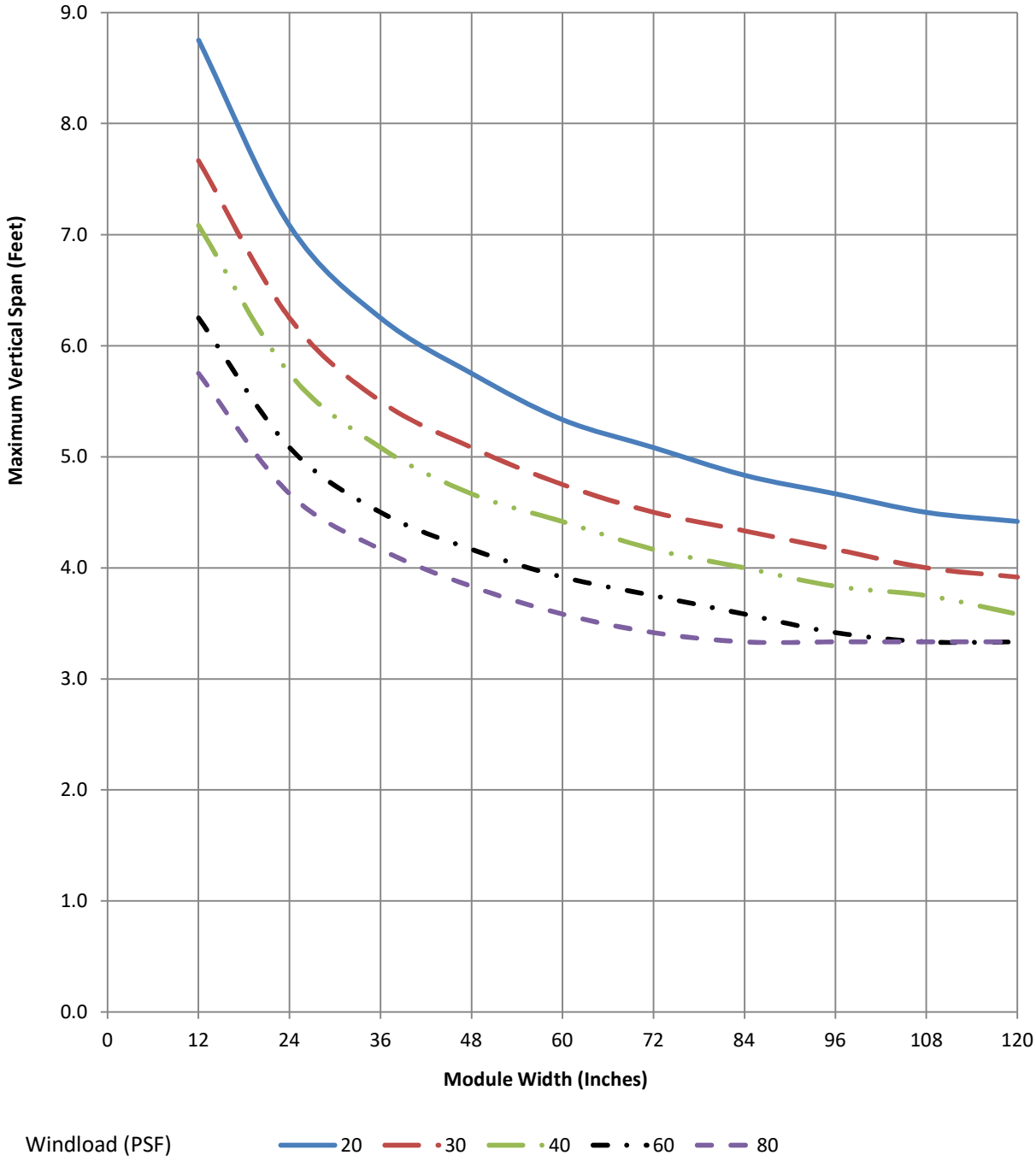
Typical Use: 2970 Double Glazed 6.25" Split Mullion Male_2970 Double Glazed 6.25" Split Mullion Female

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.28097	0.07233	1.63805	0.07278	1.68768	0.1991	1.667	0.0035	0.2291	2.587

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 9 feet maximum.



Extrusion: **A297244_A297245**

System: 2970AW ShadowLine

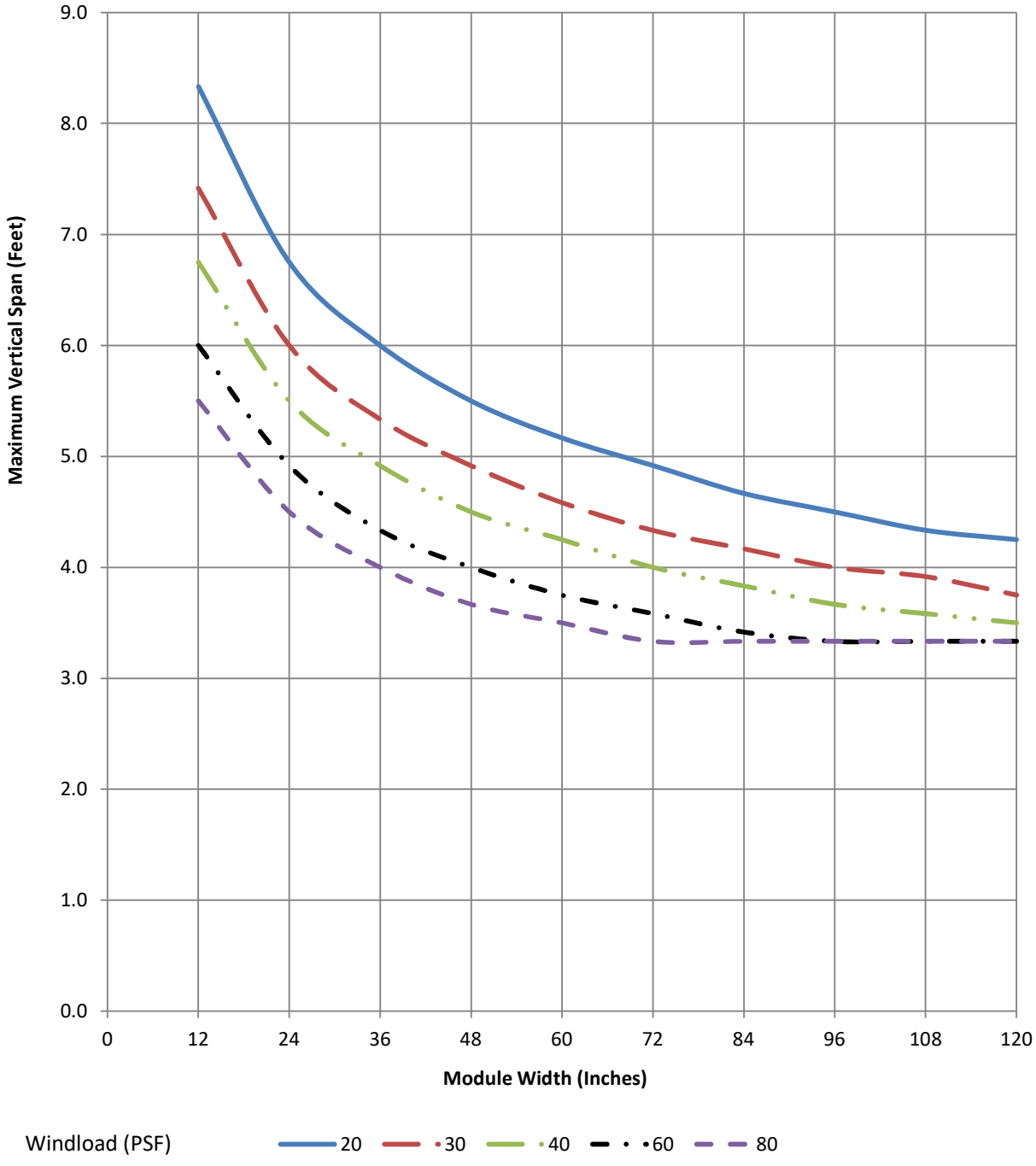
Typical Use: 2970 Double Glazed 6.25" Split Mullion Male_2970 Double Glazed 6.25" Split Mullion Female

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.5928	0.06392	1.42459	0.06432	1.68768	0.1991	1.667	0.0035	0.2291	2.587

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 9 feet maximum.



Extrusion: **A297262 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

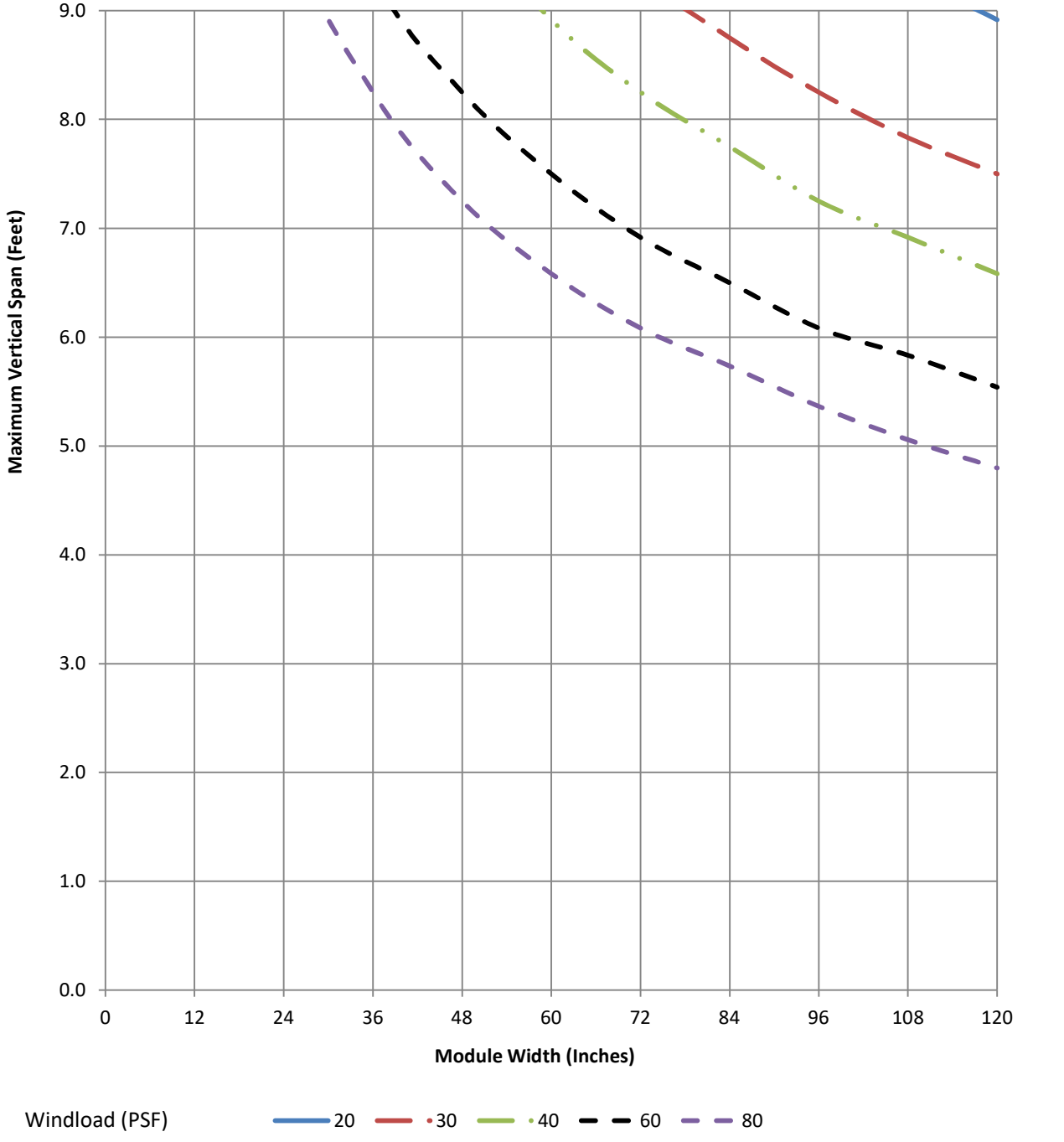
Typical Use: 2970 Double Glazed 7" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.60485	0.16683	1.93248	0.14821	2.062	0.3646	1.145	0.2722	0.7885	2.574

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 9 feet maximum.



Extrusion: **A297262_EA294001**

System: 2970AW ShadowLine

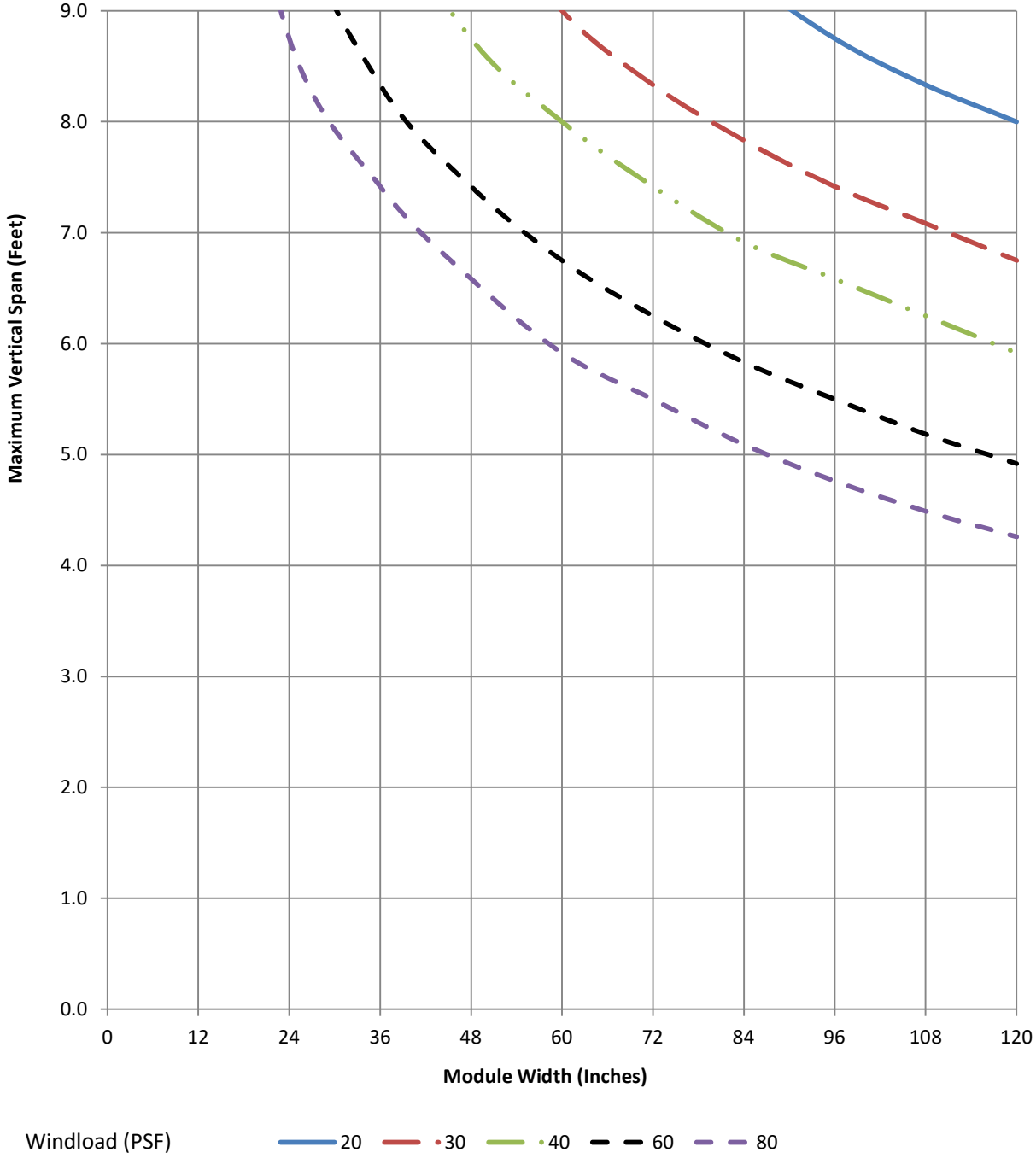
Typical Use: 2970 Double Glazed 7" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.2049	0.15892	1.52287	0.13816	1.67219	0.29219	1.145	0.2739	0.7898	2.8331

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 9 feet maximum.



Extrusion: **A297262**

System: 2970AW ShadowLine

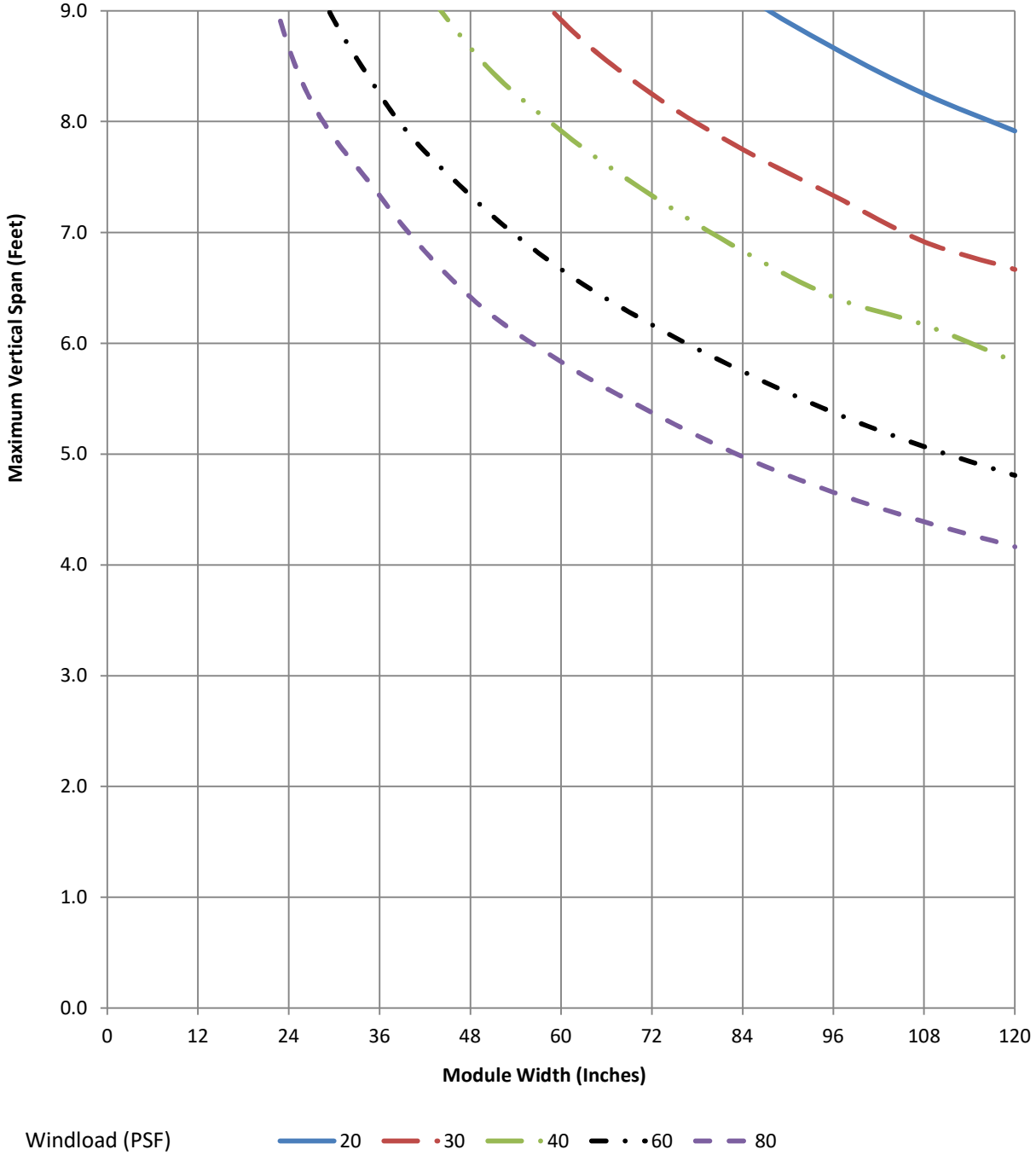
Typical Use: 2970 Double Glazed 7" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.9736	0.15552	1.4552	0.13816	2.062	0.3646	1.145	0.2722	0.7885	2.574

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 9 feet maximum.



Extrusion: **A297264_A297265 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

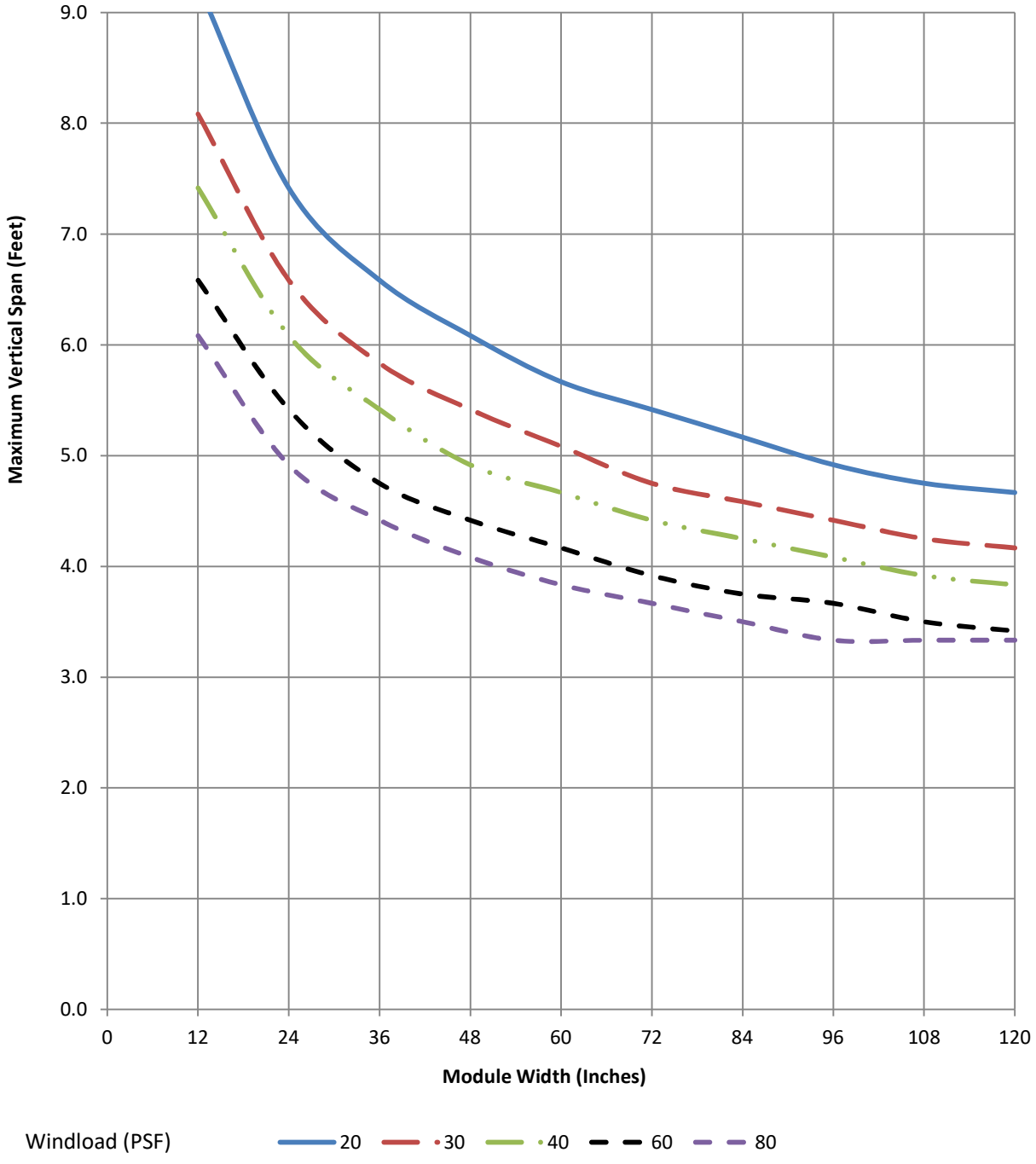
Typical Use: 2970 Double Glazed 7" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
7.90725	0.07579	2.16593	0.07541	1.89586	0.19217	2.209	0.0037	0.3043	3.13

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 9 feet maximum.



Extrusion: **A297264_A297265**

System: 2970AW ShadowLine

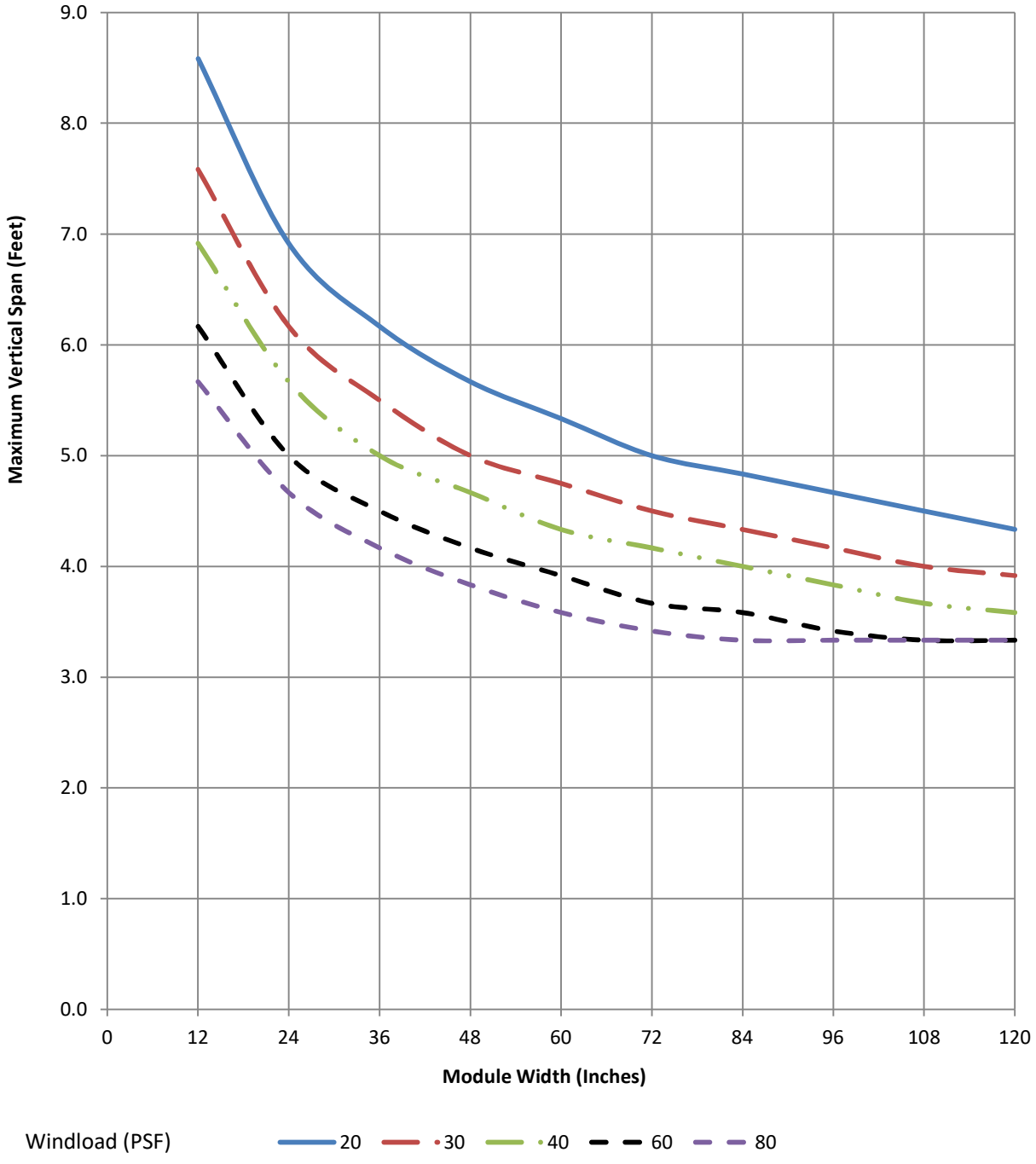
Typical Use: 2970 Double Glazed 7" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.276	0.06448	1.7191	0.06416	1.89586	0.19217	2.209	0.0037	0.3043	3.13

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 9 feet maximum.



Extrusion: **A297302 with 1/4" x 2-1/2" Bar**

System: 2970AW ShadowLine

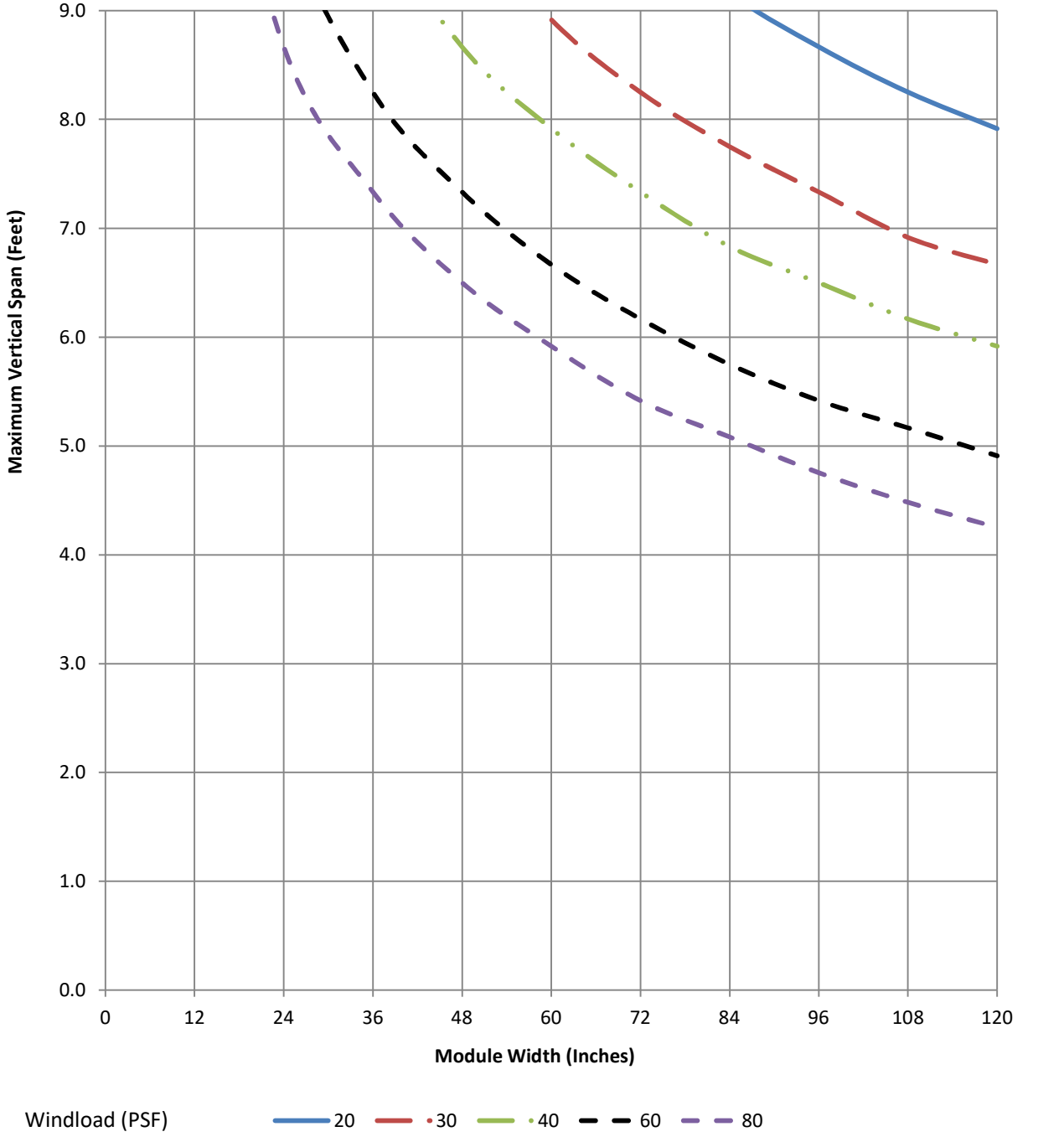
Typical Use: 2970 Triple Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.42315	0.14165	1.51947	0.12646	1.898	0.3699	1.568	0.1672	0.6422	1.991

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 9 feet maximum.



Extrusion: **A297302_EA294001**

System: 2970AW ShadowLine

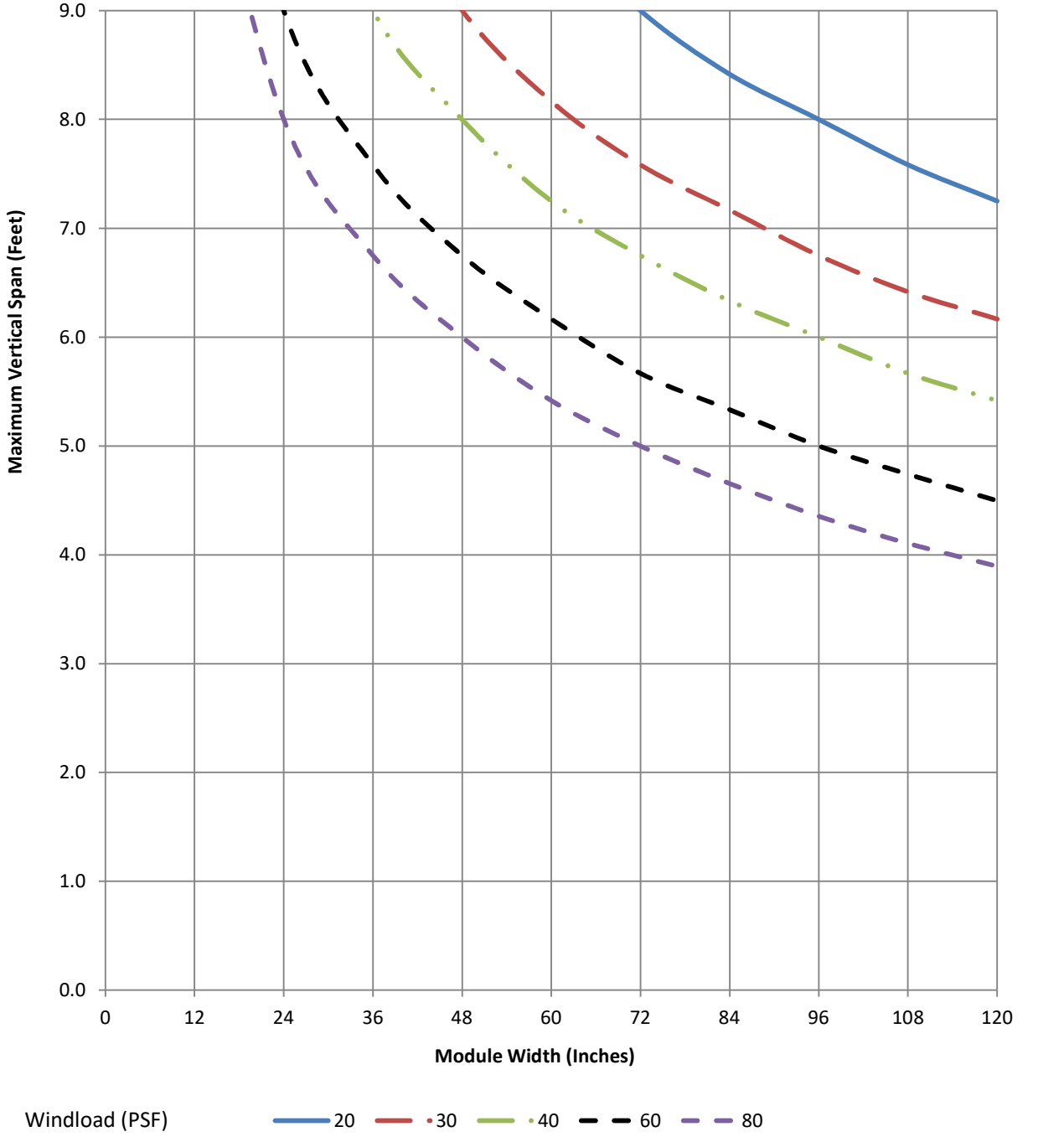
Typical Use: 2970 Triple Glazed 6" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.7105	0.13548	1.27466	0.11792	1.51981	0.29041	1.568	0.1689	0.6435	2.2501

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 9 feet maximum.



Extrusion: **A297302**

System: 2970AW ShadowLine

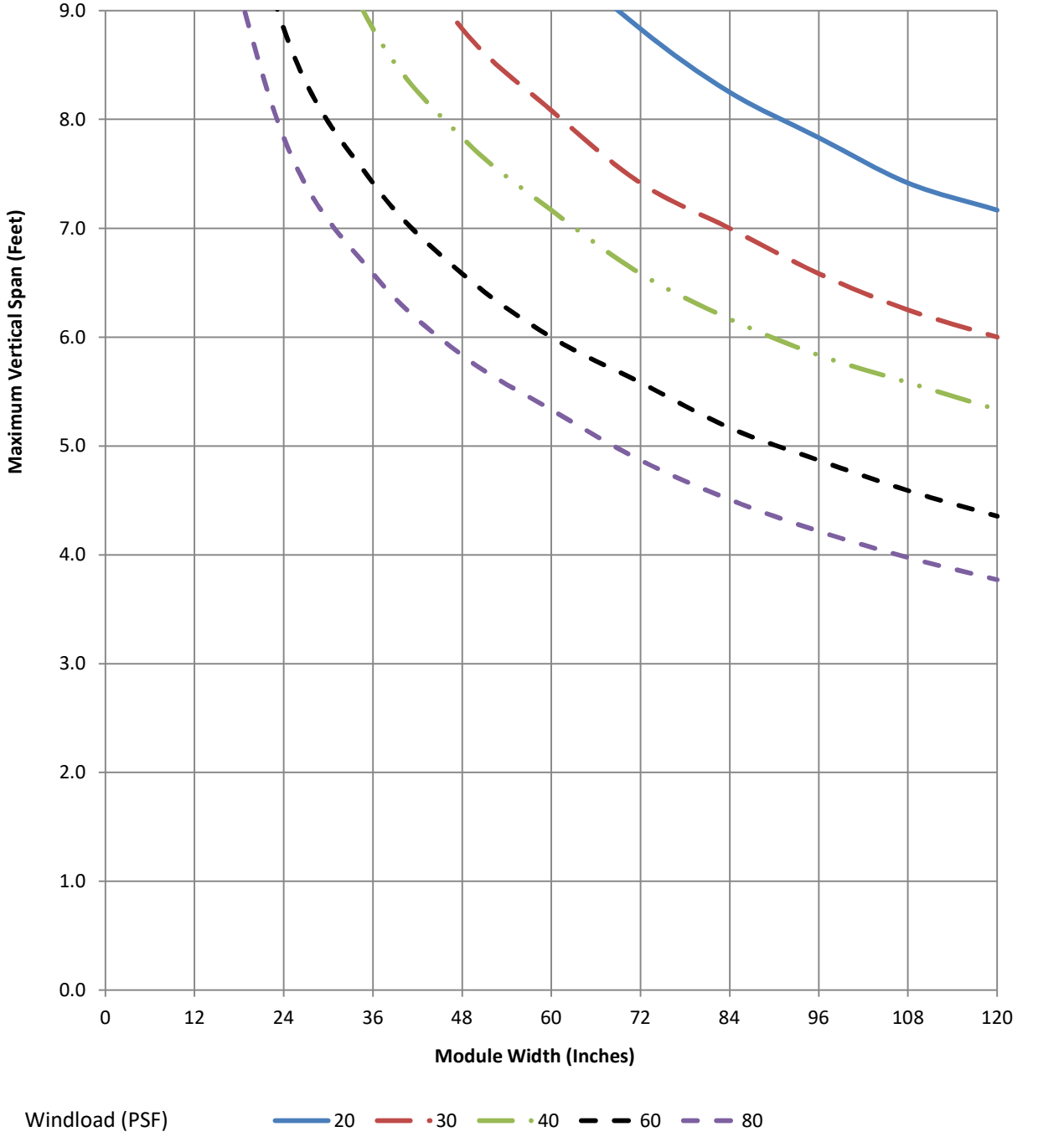
Typical Use: 2970 Triple Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.4792	0.13208	1.1952	0.11792	1.898	0.3699	1.568	0.1672	0.6422	1.991

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 9 feet maximum.



Extrusion: **A297304_A297305 with 1/4" x 2-1/4" Bar**

System: 2970AW ShadowLine

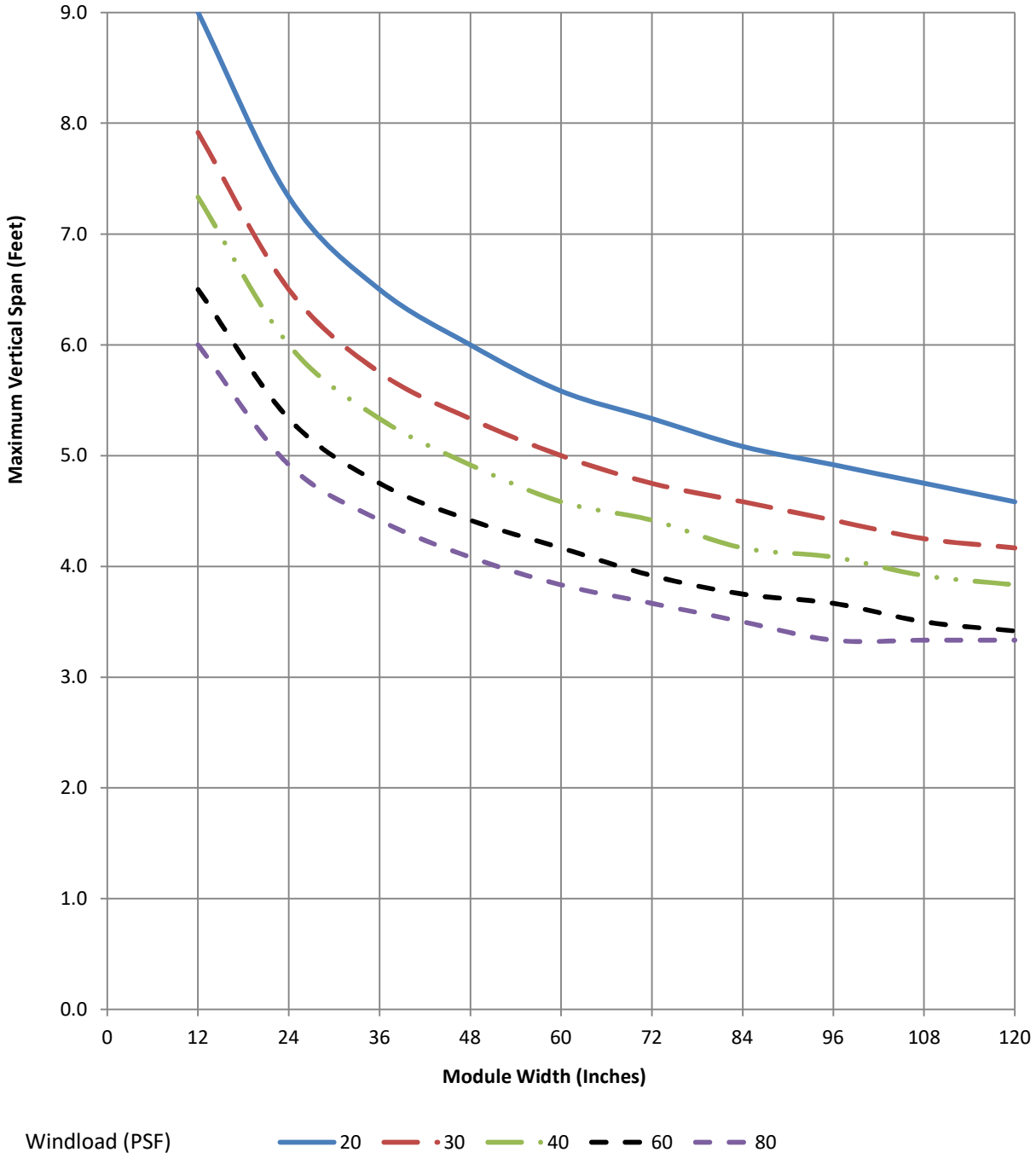
Typical Use: 2970 Triple Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.33457	0.07889	1.66472	0.07396	1.73508	0.21369	2.68	0.0031	0.3289	2.622

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 9 feet maximum.



Extrusion: **A297304_A297305**

System: 2970AW ShadowLine

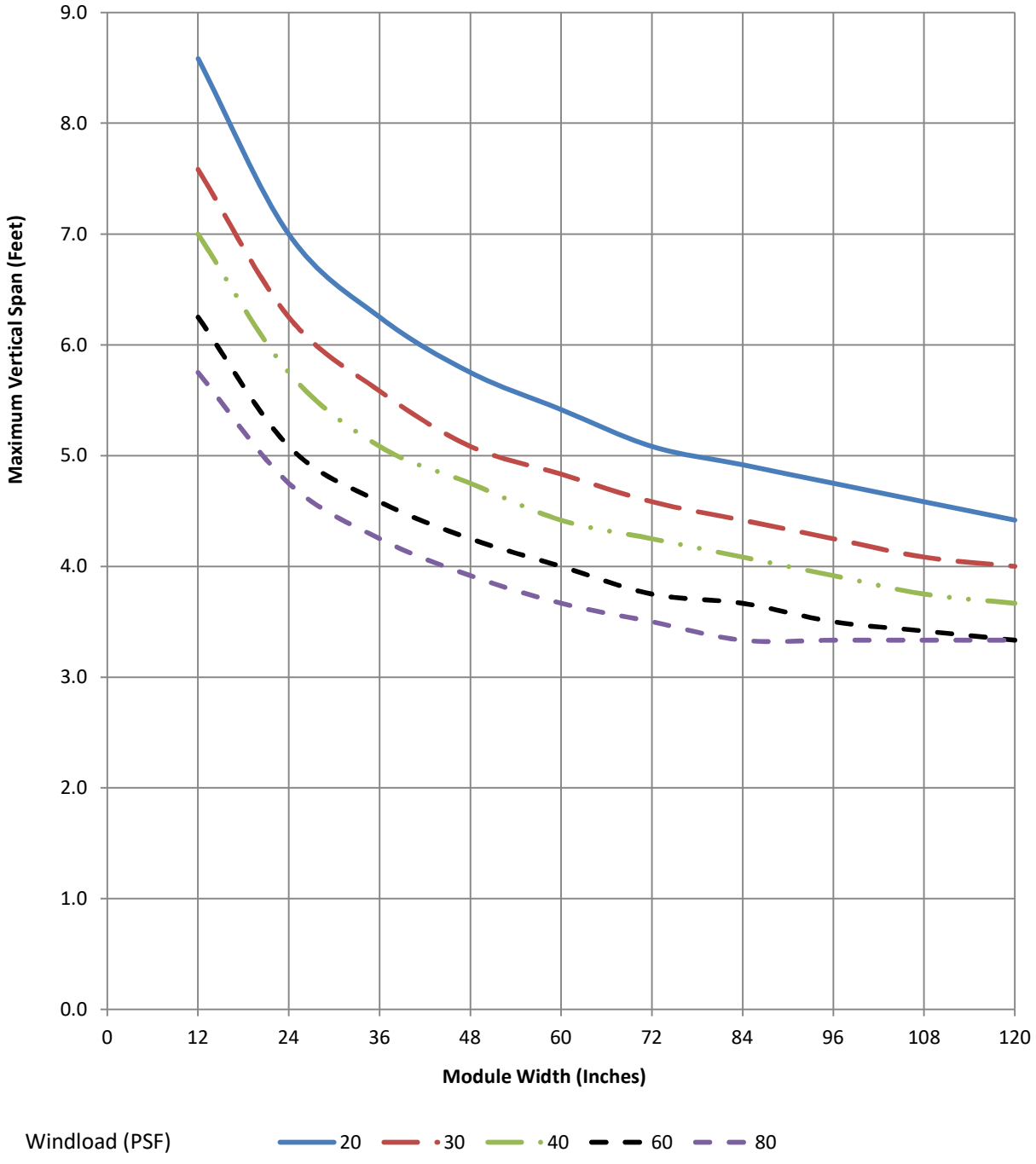
Typical Use: 2970 Triple Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.6464	0.07048	1.44997	0.06608	1.73508	0.21369	2.68	0.0031	0.3289	2.622

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 9 feet maximum.



Extrusion: **A297322 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

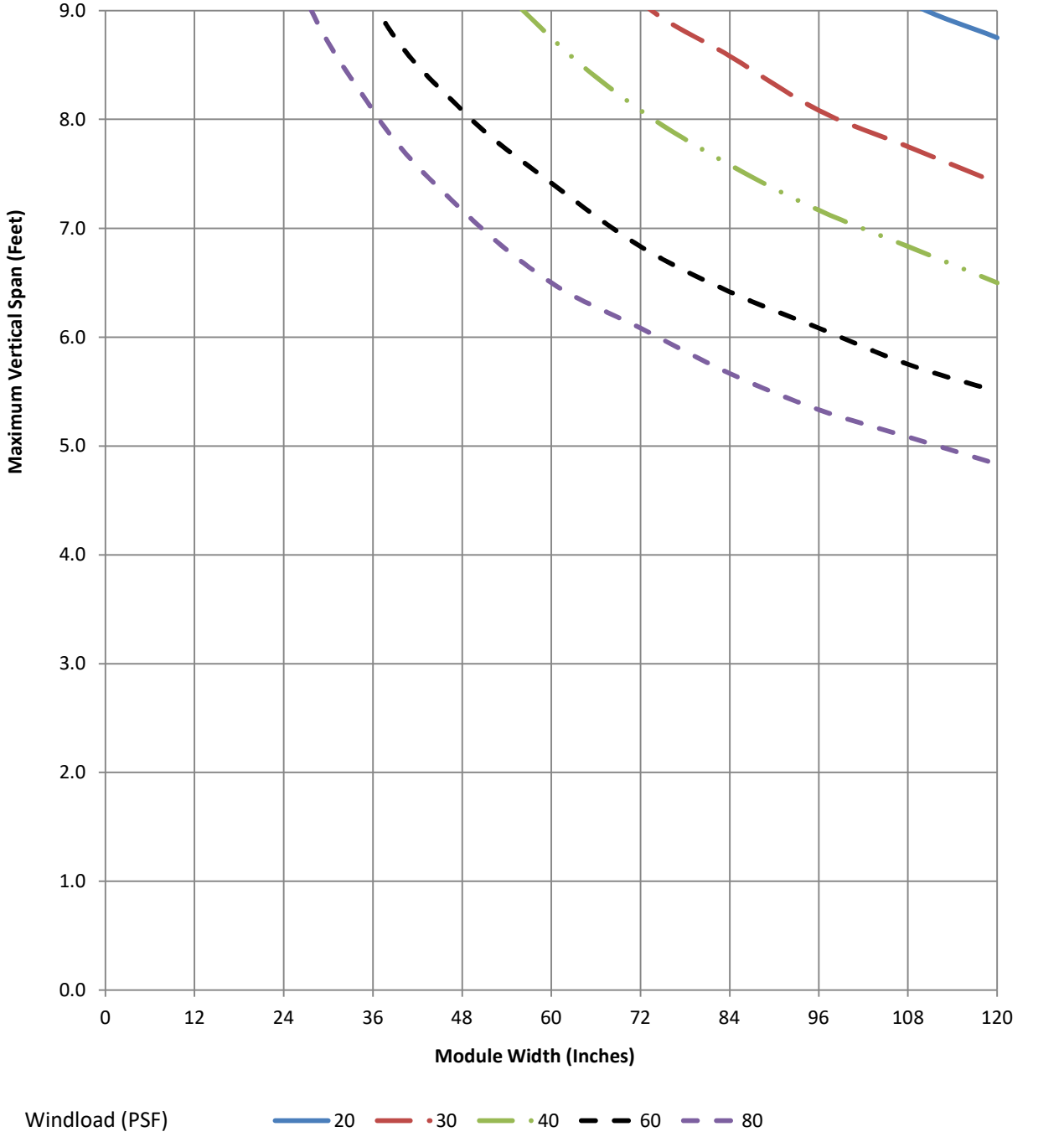
Typical Use: 2970 Triple Glazed 6.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.37045	0.15435	1.9249	0.13786	2.103	0.3654	1.575	0.2177	0.919	2.413

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 9 feet maximum.



Extrusion: **A297322_EA294001**

System: 2970AW ShadowLine

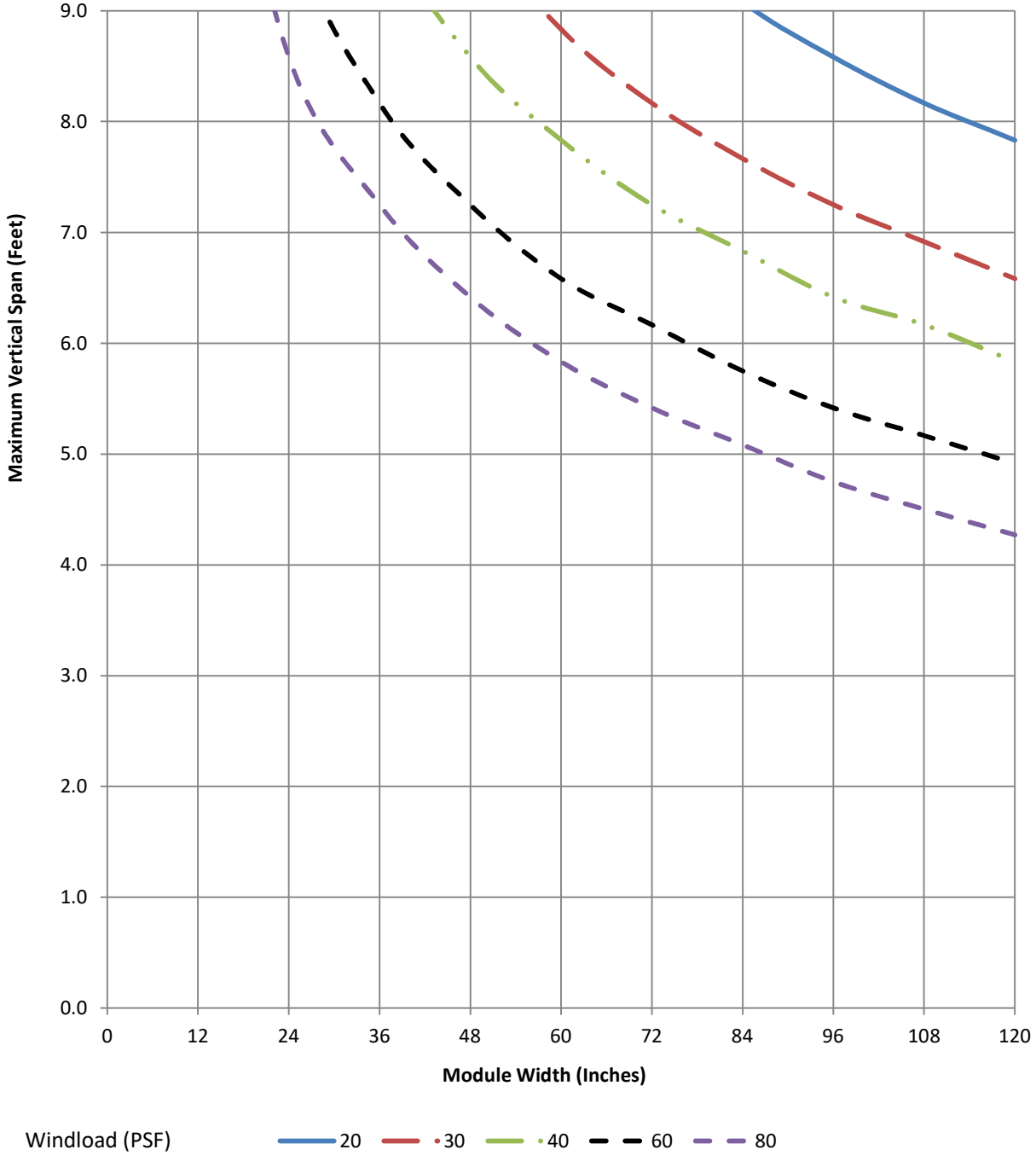
Typical Use: 2970 Triple Glazed 6.75" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.9705	0.14644	1.50189	0.12776	1.69093	0.29024	1.575	0.2194	0.9203	2.6721

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 9 feet maximum.



Extrusion: **A297322**

System: 2970AW ShadowLine

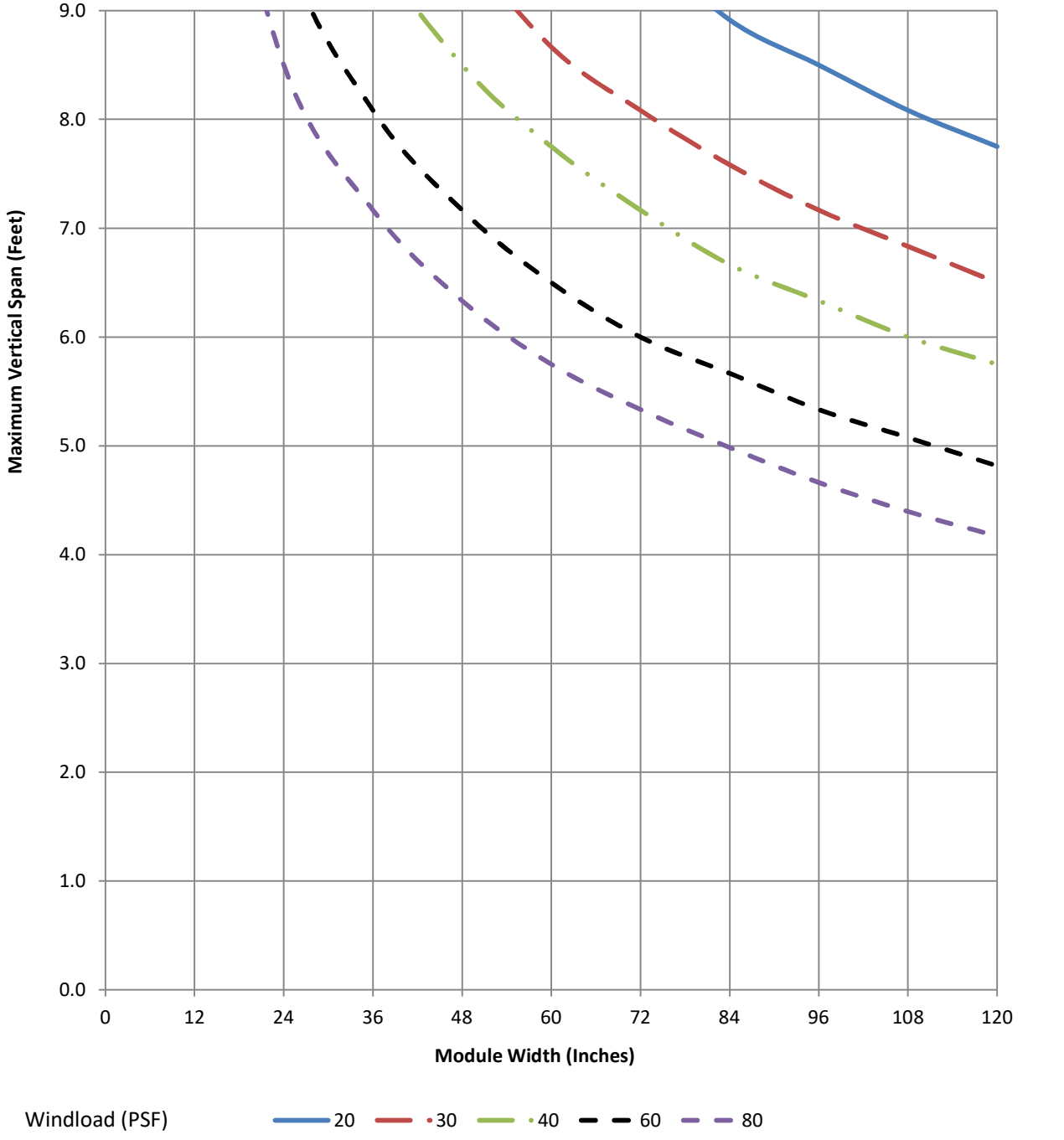
Typical Use: 2970 Triple Glazed 6.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.7392	0.14304	1.432	0.12776	2.103	0.3654	1.575	0.2177	0.919	2.413

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 9 feet maximum.



Extrusion: **A297324_A297325 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

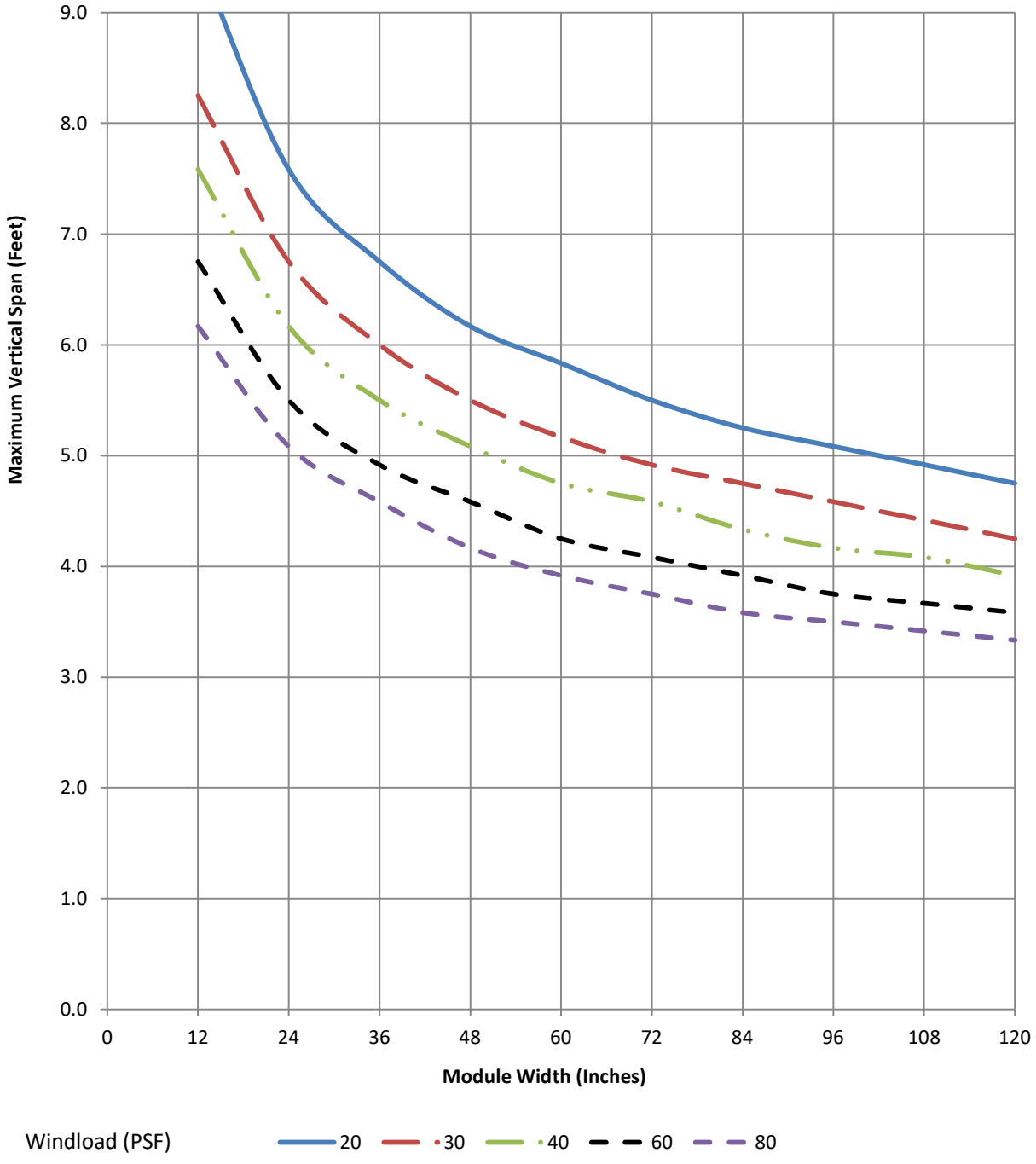
Typical Use: 2970 Triple Glazed 6.75" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
7.70165	0.07595	2.14563	0.07755	1.92975	0.19913	3.2	0.0035	0.3597	3.042

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 9 feet maximum.



Extrusion: **A297324_A297325**

System: 2970AW ShadowLine

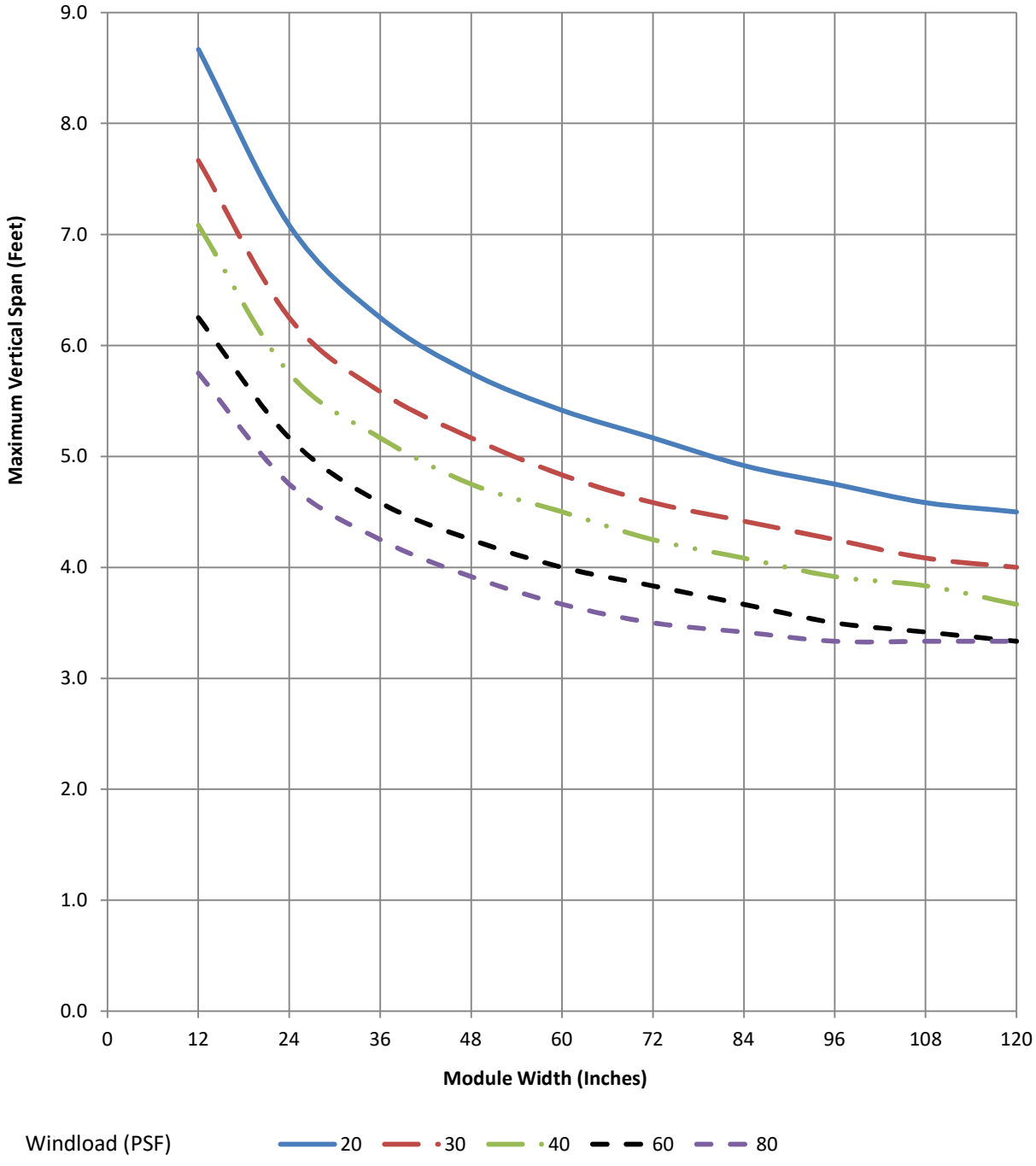
Typical Use: 2970 Triple Glazed 6.75" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.0704	0.06464	1.69118	0.066	1.92975	0.19913	3.2	0.0035	0.3597	3.042

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 9 feet maximum.



Extrusion: **A297342 with 1/4" x 2-1/2" Bar**

System: 2970AW ShadowLine

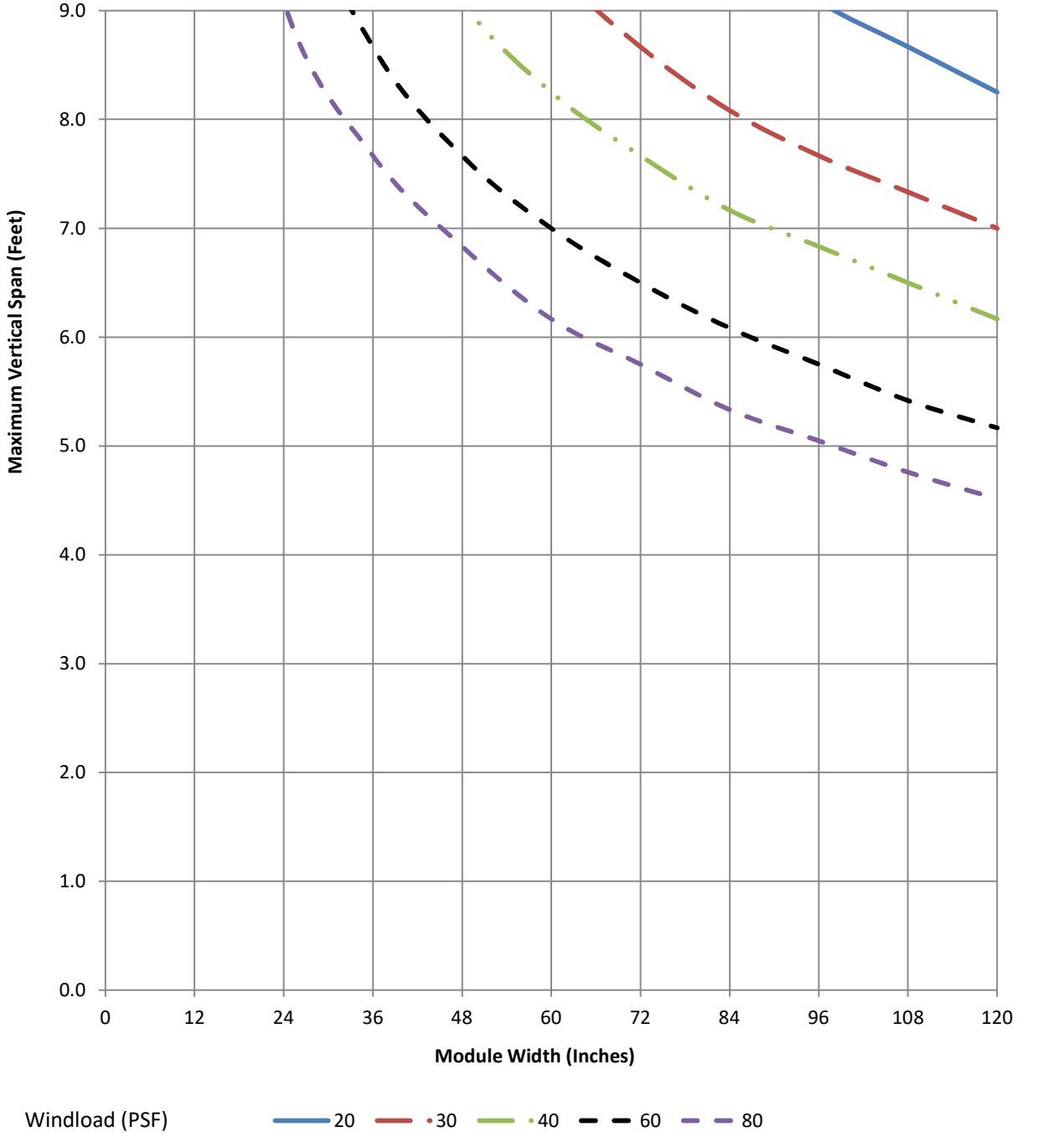
Typical Use: 2970 Triple Glazed 7" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.93915	0.15429	1.78821	0.13723	2.149	0.3658	1.28	0.2217	0.7547	2.57

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 9 feet maximum.



Extrusion: **A297342_EA294001**

System: 2970AW ShadowLine

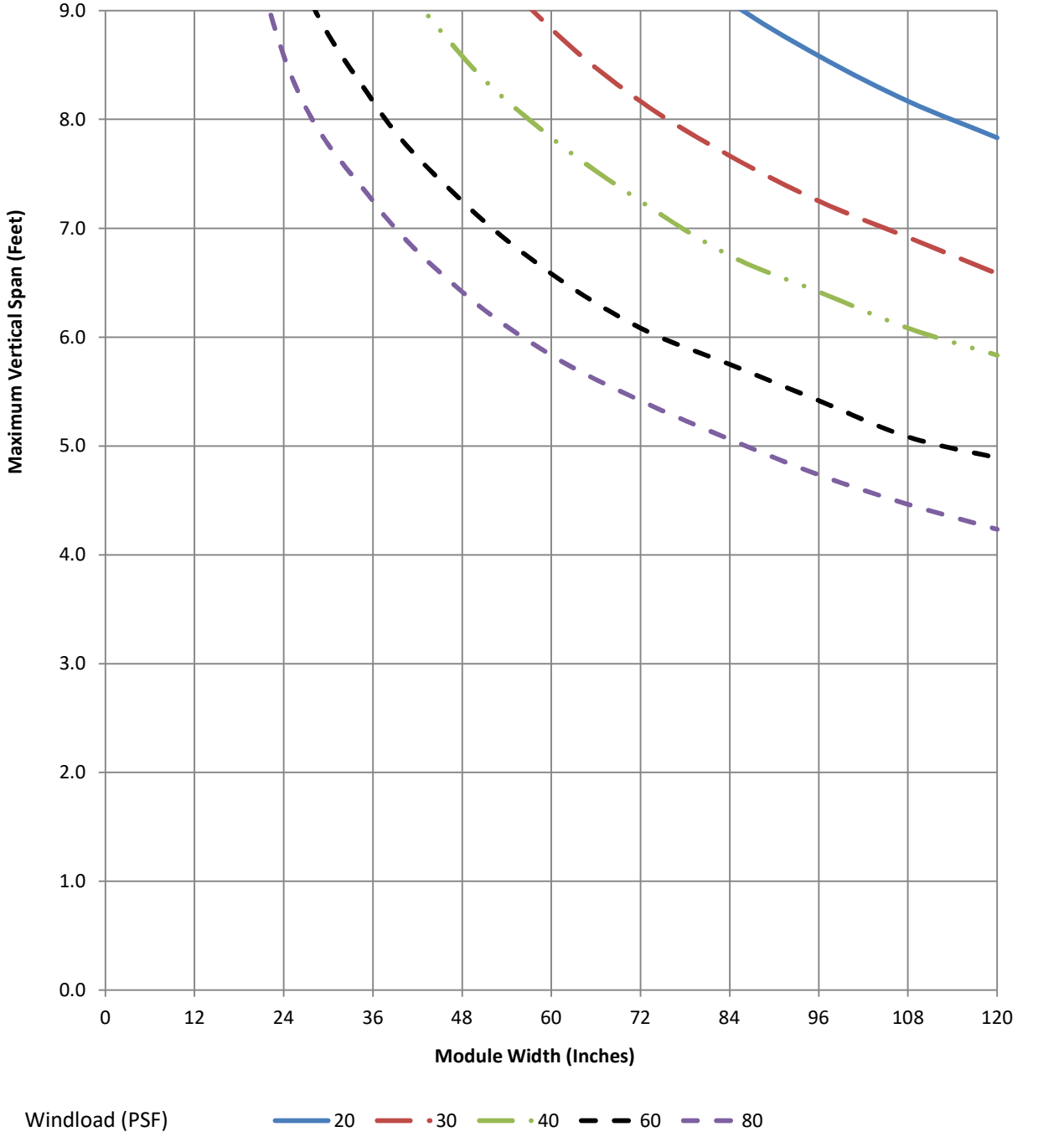
Typical Use: 2970 Triple Glazed 7" Mullion and Horizonta with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.2265	0.14812	1.57364	0.12872	1.72748	0.29081	1.28	0.2234	0.756	2.8291

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 9 feet maximum.



Extrusion: **A297342**

System: 2970AW ShadowLine

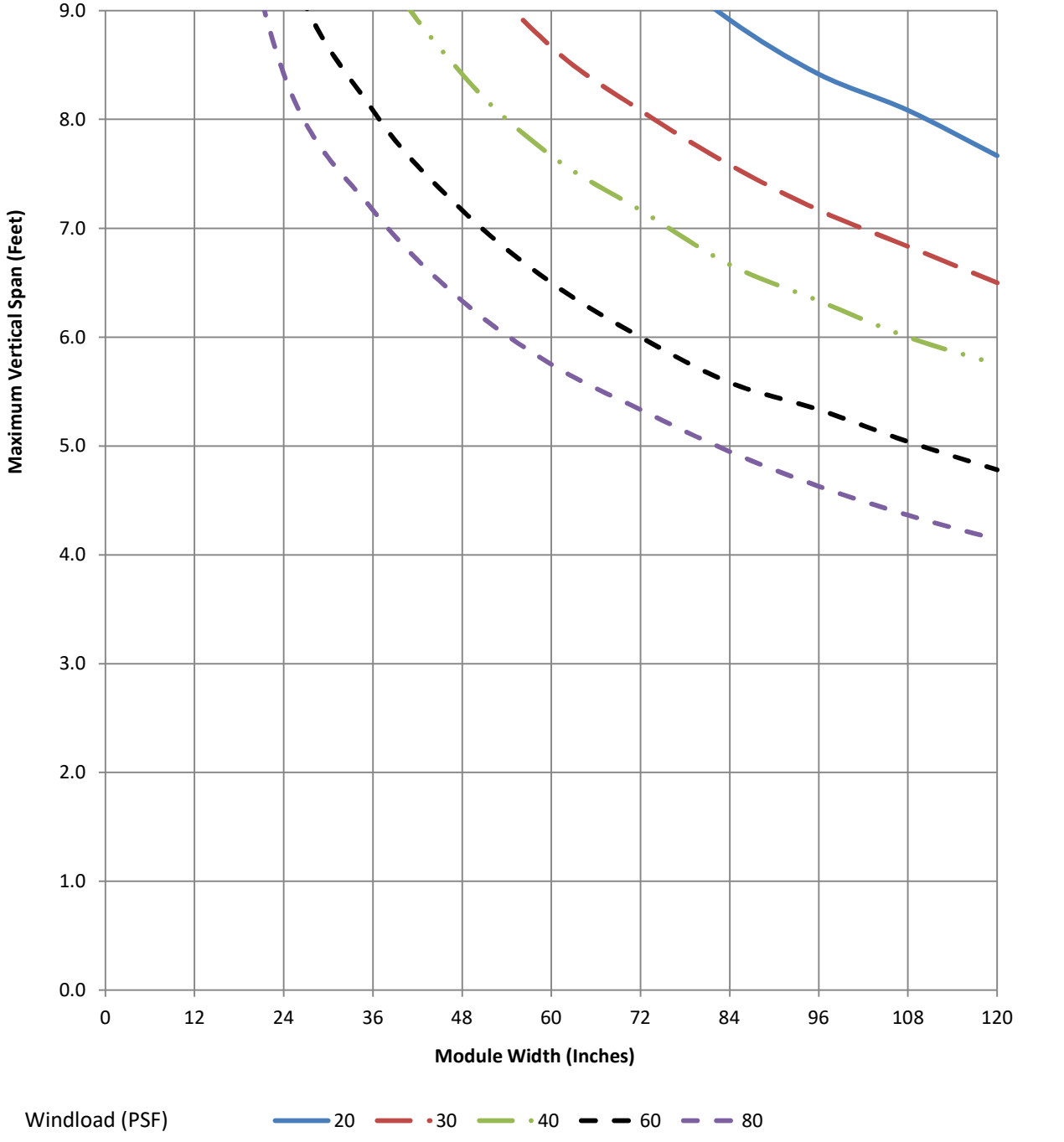
Typical Use: 2970 Triple Glazed 7" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.9952	0.14472	1.504	0.12872	2.149	0.3658	1.28	0.2217	0.7547	2.57

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 9 feet maximum.



Extrusion: **A297344_A297345 with 1/4" x 2-1/4" Bar**

System: 2970AW ShadowLine

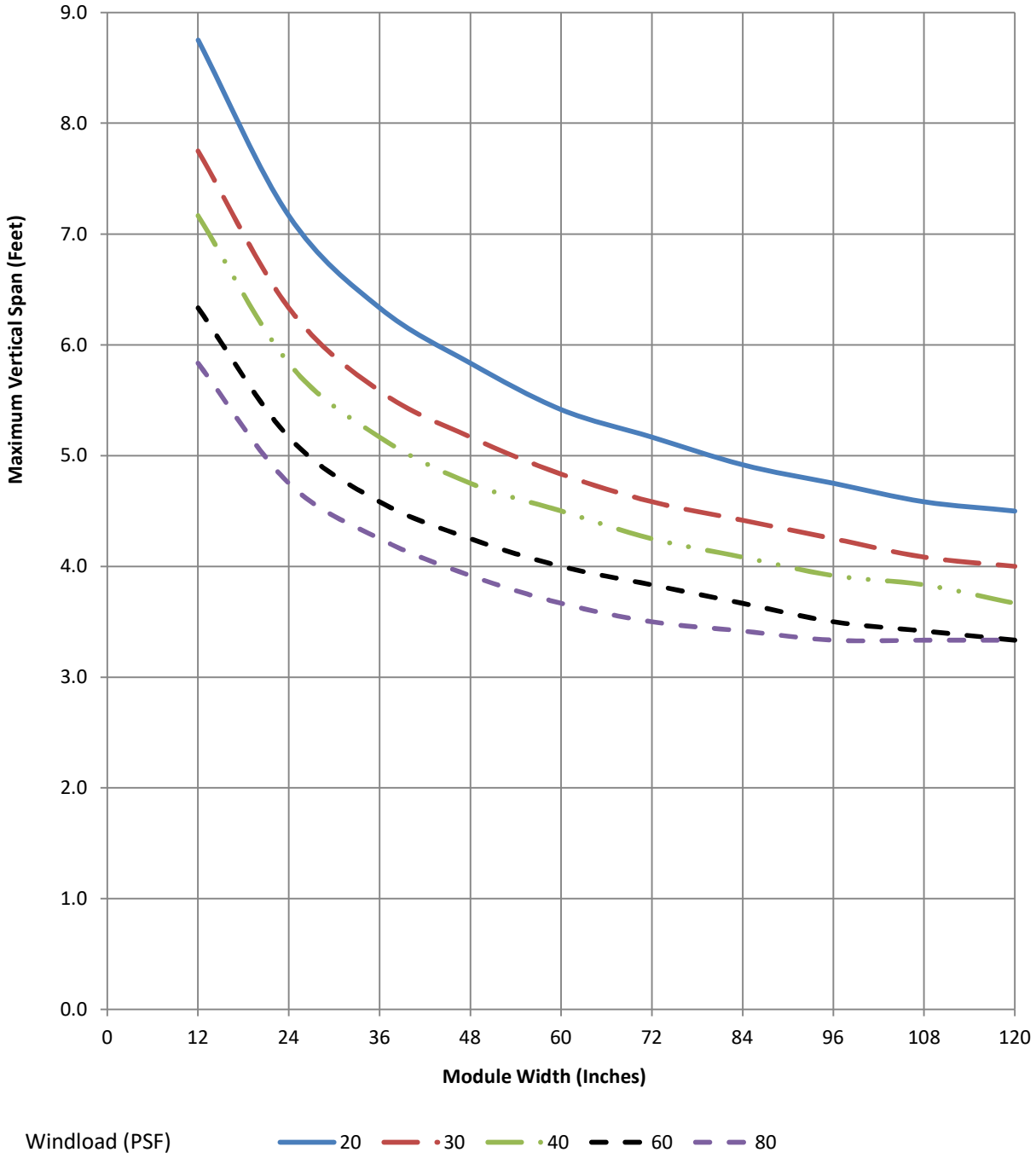
Typical Use: 2970 Triple Glazed 7" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.91217	0.07337	1.93181	0.07445	1.93856	0.19805	2.109	0.0035	0.3196	3.159

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 9 feet maximum.



Extrusion: **A297344_A297345**

System: 2970AW ShadowLine

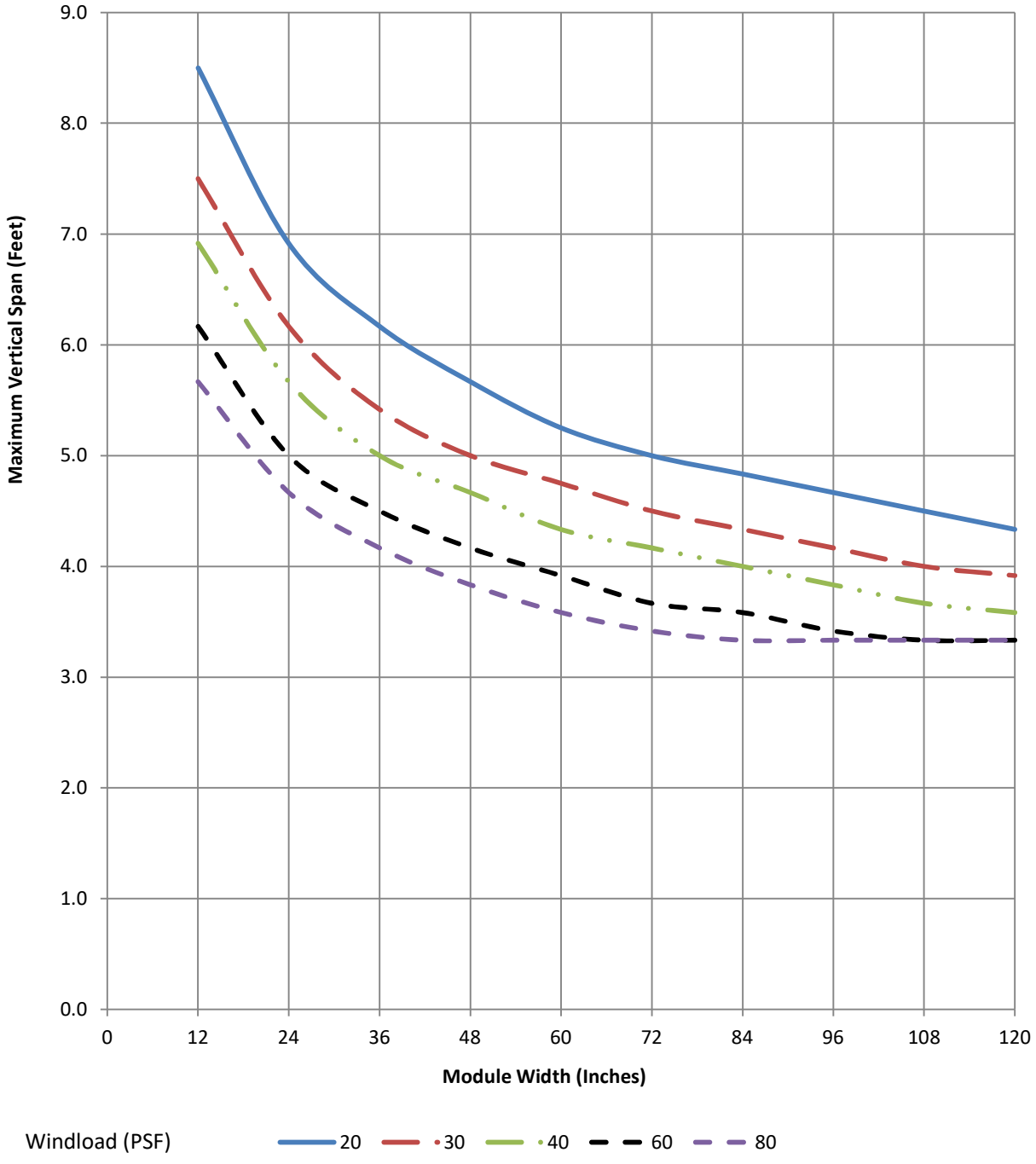
Typical Use: 2970 Triple Glazed 7" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.224	0.06496	1.73948	0.06592	1.93856	0.19805	2.109	0.0035	0.3196	3.159

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 9 feet maximum.



Extrusion: **A297362 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

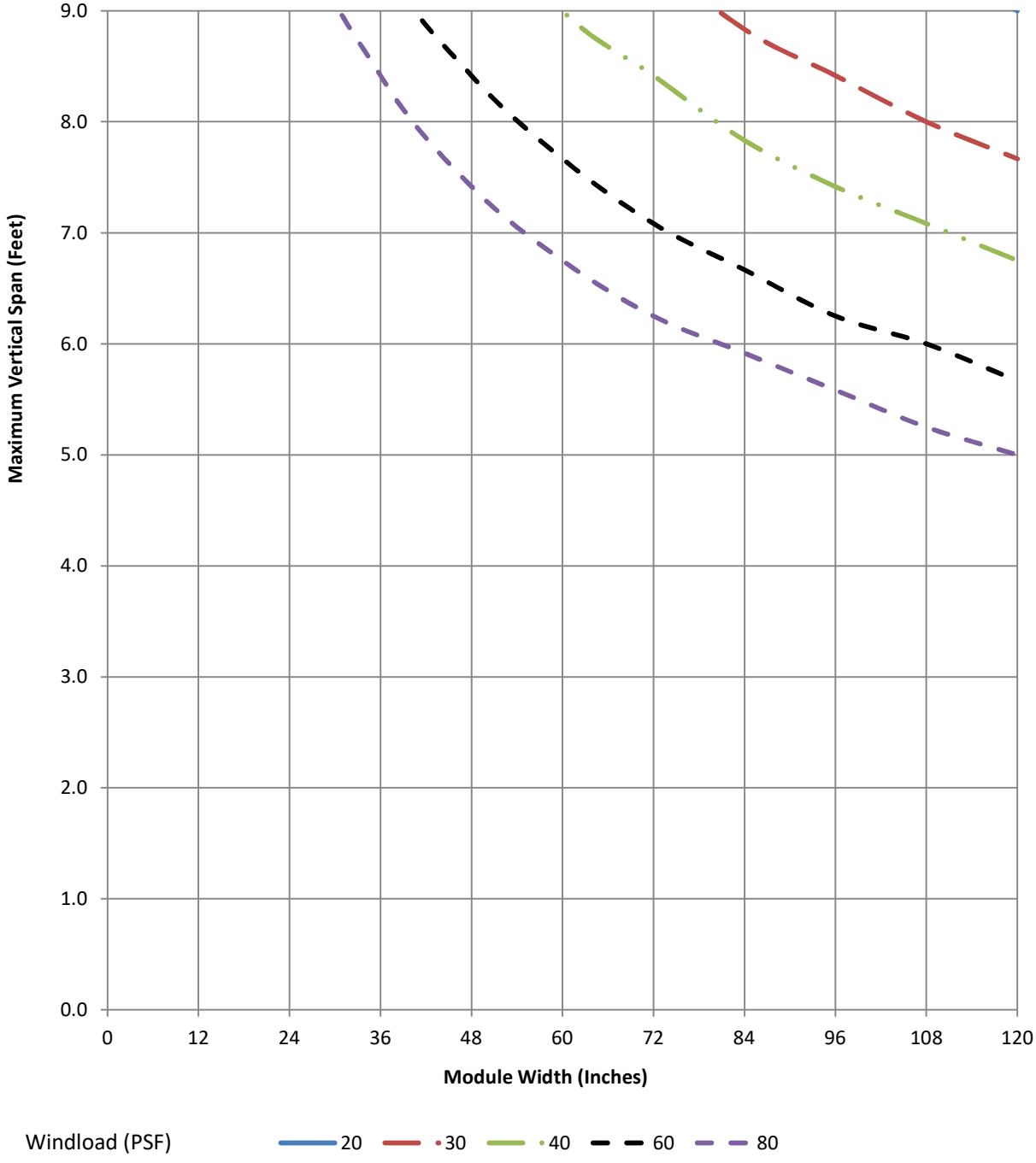
Typical Use: 2970 Triple Glazed 7.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
8.19685	0.16691	2.20527	0.14855	2.352	0.3621	1.299	0.2722	1.067	3.02

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 9 feet maximum.



Extrusion: **A297362_EA294001**

System: 2970AW ShadowLine

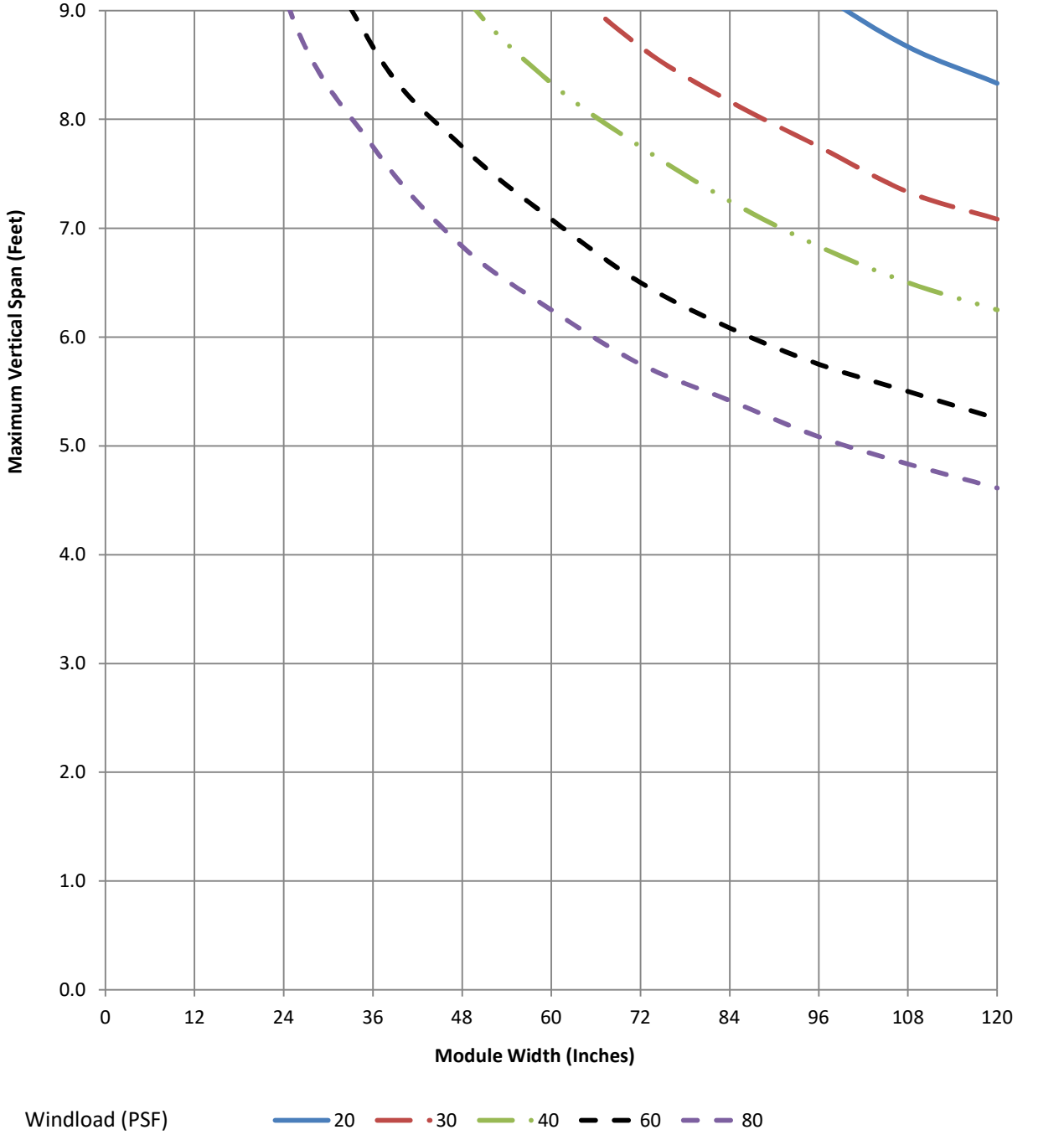
Typical Use: 2970 Triple Glazed 7.75" Mullion with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.7969	0.159	1.82863	0.13848	1.8997	0.29055	1.299	0.2739	1.0683	3.2791

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 9 feet maximum.



Extrusion: **A297362**

System: 2970AW ShadowLine

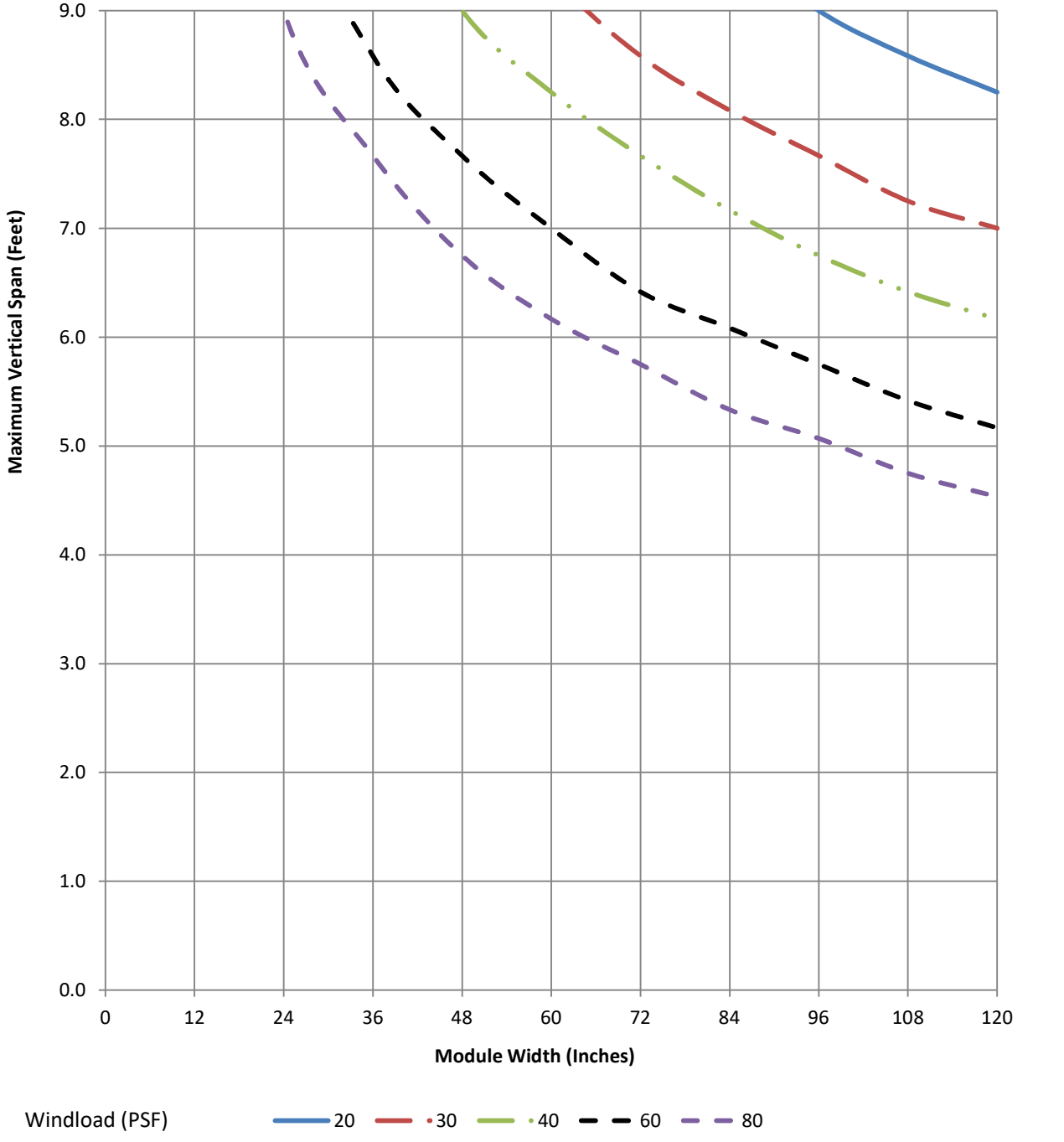
Typical Use: 2970 Triple Glazed 7.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.5656	0.1556	1.7664	0.13848	2.352	0.3621	1.299	0.2722	1.067	3.02

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 9 feet maximum.



Extrusion: **A297364_A297365 with 1/4" x 3" Bar**

System: 2970AW ShadowLine

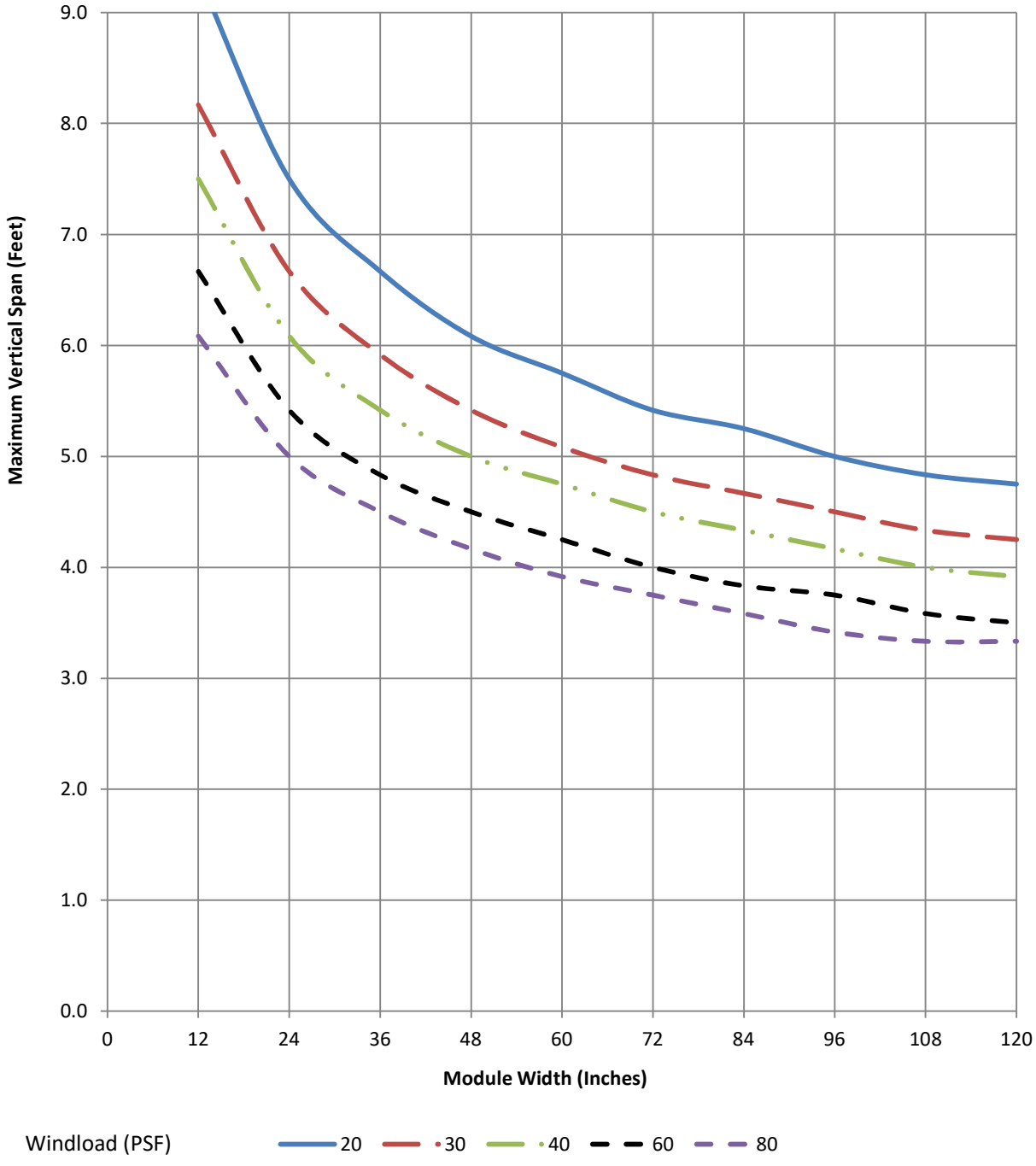
Typical Use: 2970 Triple Glazed 7.75" Split Mullion Male_2970 Triple Glazed 7.75" Split Mullion Female

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
9.84645	0.07683	2.47113	0.0773	2.14243	0.19133	2.618	0.0038	0.4147	3.72

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 9 feet maximum.



Extrusion: **A297364_A297365**

System: 2970AW ShadowLine

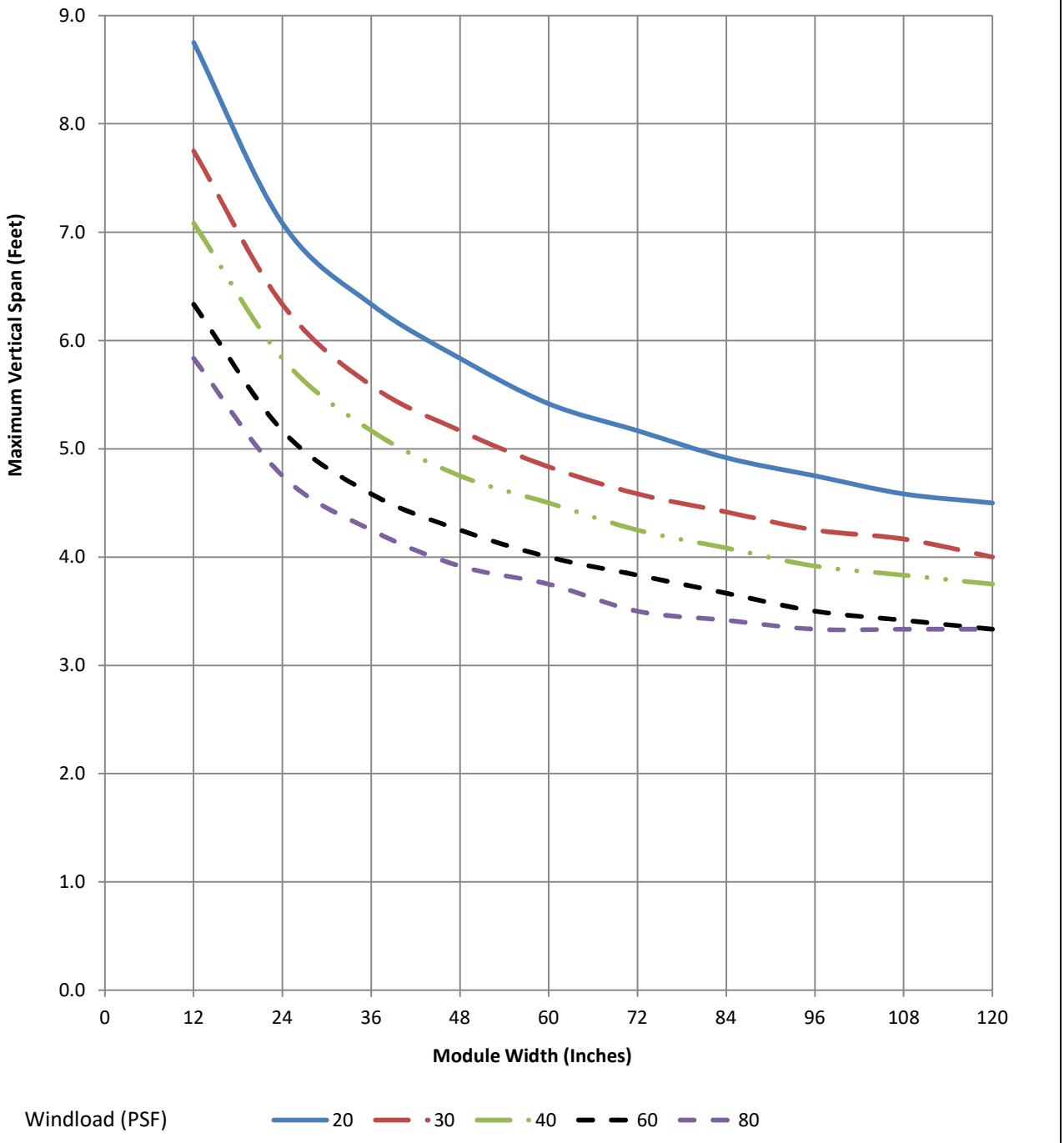
Typical Use: 2970 Triple Glazed 7.75" Split Mullion Male_2970 Triple Glazed 7.75" Split Mullion Female

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
8.2152	0.06552	2.06174	0.06592	2.14243	0.19133	2.618	0.0038	0.4147	3.72

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 9 feet maximum.



Extrusion: **A299202 with 1/4" x 2-1/2" Bar**

System: 2990AW FeatureLine

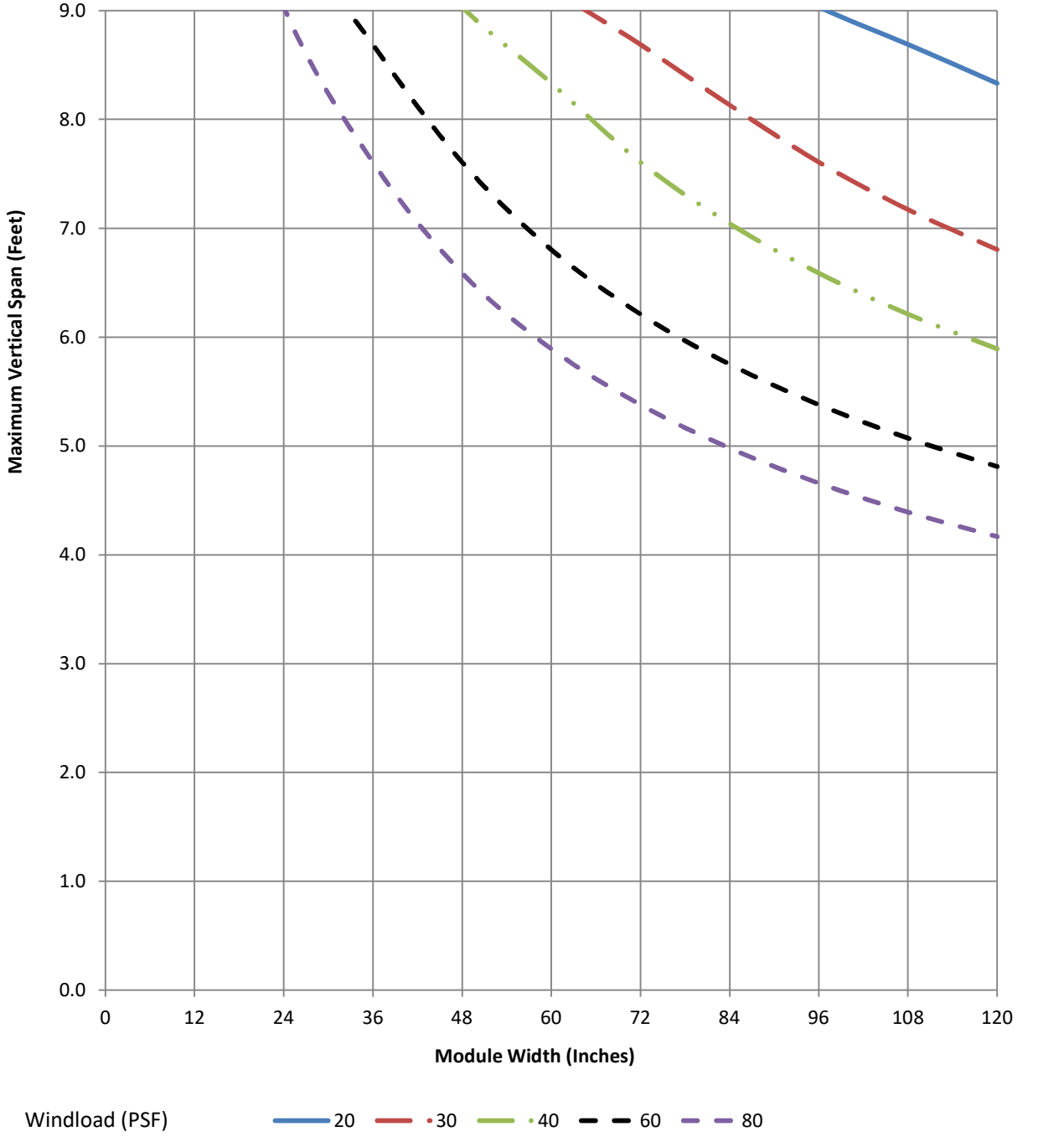
Typical Use: 2990 Double Glazed 5.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.88395	0.28437	1.37497	0.25225	1.693	0.5177	2.733	0.3292	0.6641	1.897

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 9 feet maximum.



Extrusion: **A299202_EA294001**

System: 2990AW FeatureLine

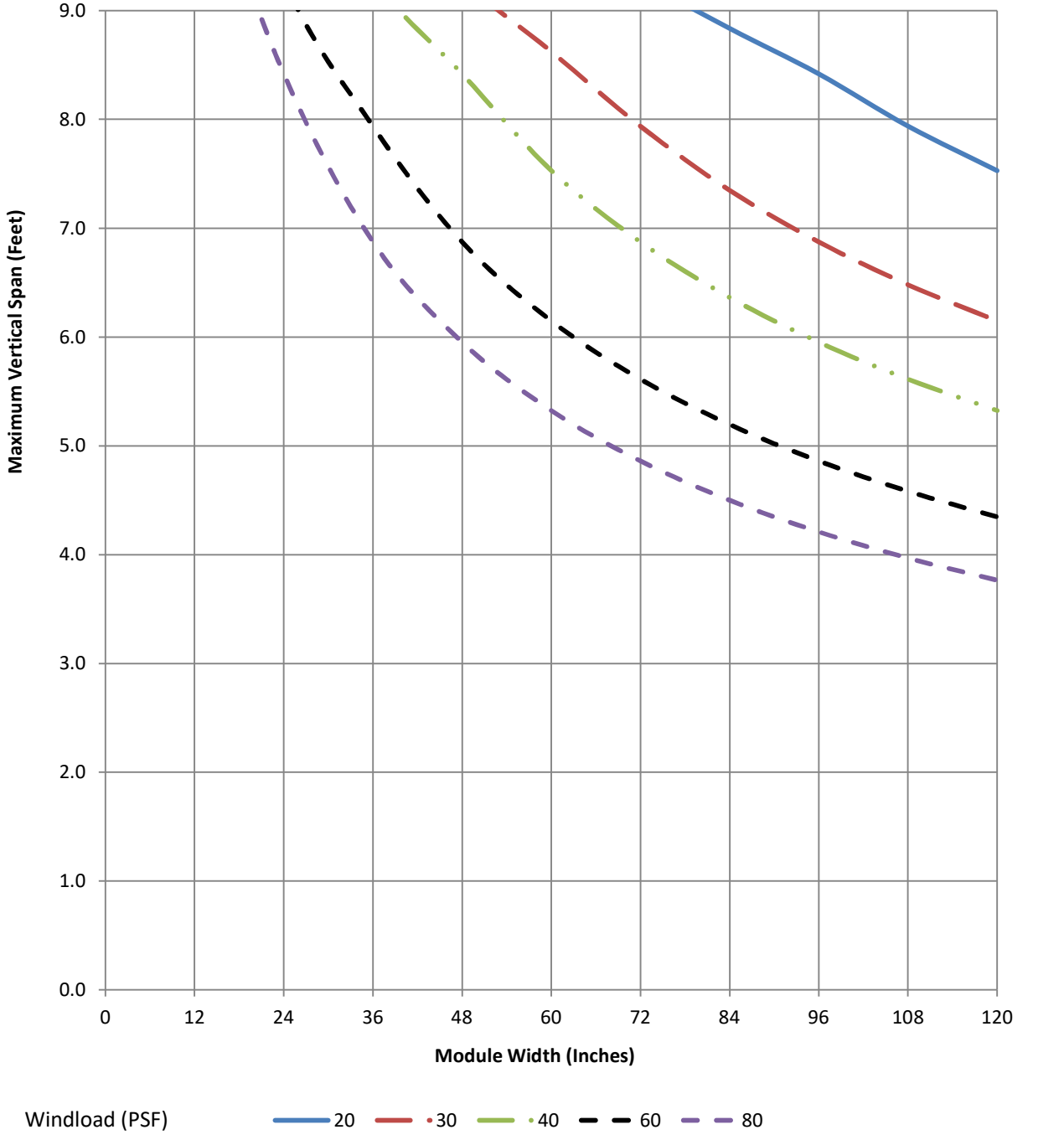
Typical Use: 2990 Double Glazed 5.25" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.1713	0.2782	1.12268	0.24376	1.37336	0.40676	2.733	0.3309	0.6654	2.1561

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 9 feet maximum.



Extrusion: **A299202**

System: 2990AW FeatureLine

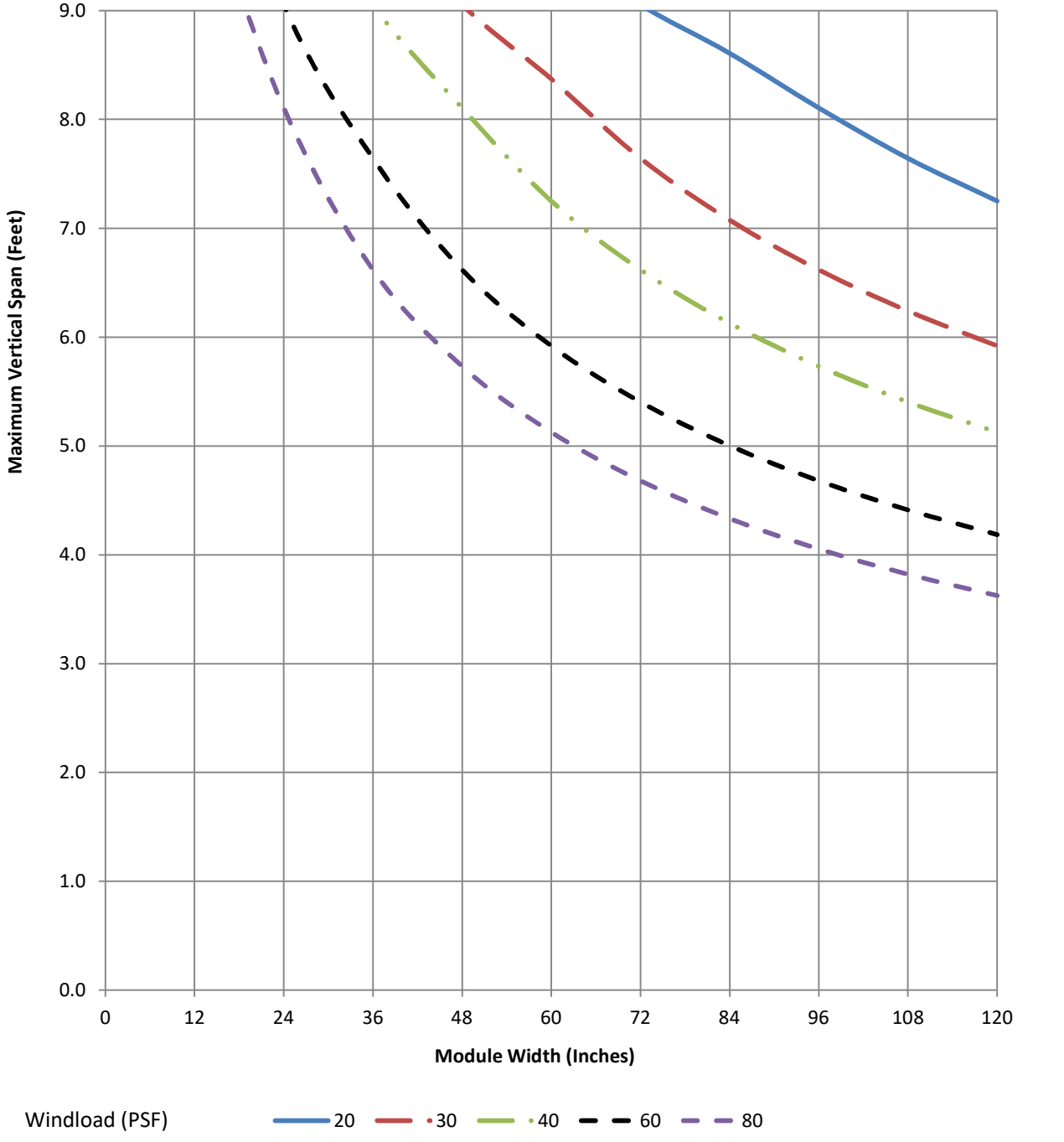
Typical Use: 2990 Double Glazed 5.25" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.94	0.2748	1.0408	0.24376	1.693	0.5177	2.733	0.3292	0.6641	1.897

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 9 feet maximum.



Extrusion: **A299203_A299204 with 1/4" x 2-1/4" Bar**

System: 2990AW FeatureLine

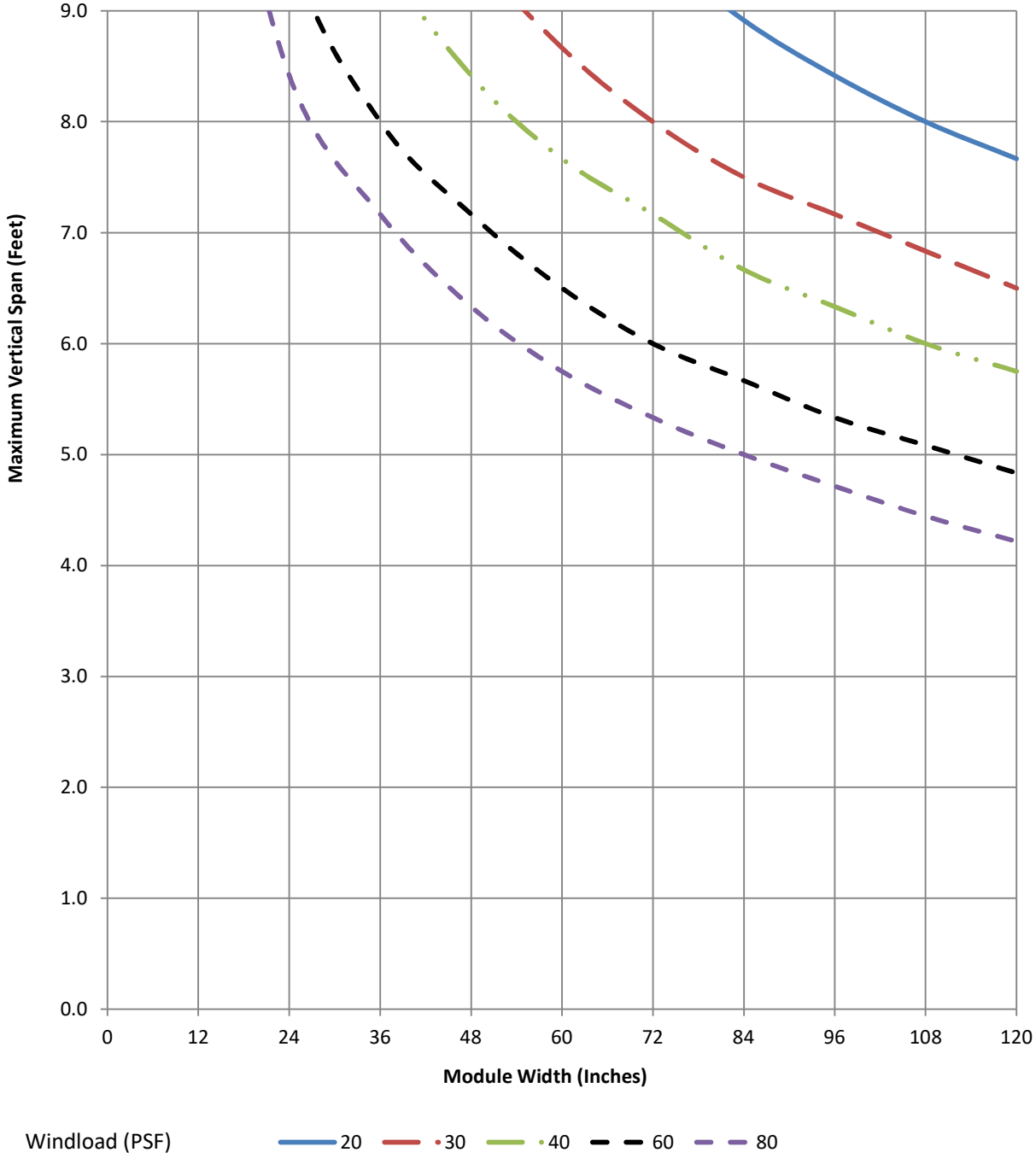
Typical Use: 2990 Double Glazed 5.25" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.38497	0.15577	1.40842	0.13125	1.50806	0.30109	3.13	0.1272	0.2447	2.362

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 9 feet maximum.



Extrusion: **A299203_A299204**

System: 2990AW FeatureLine

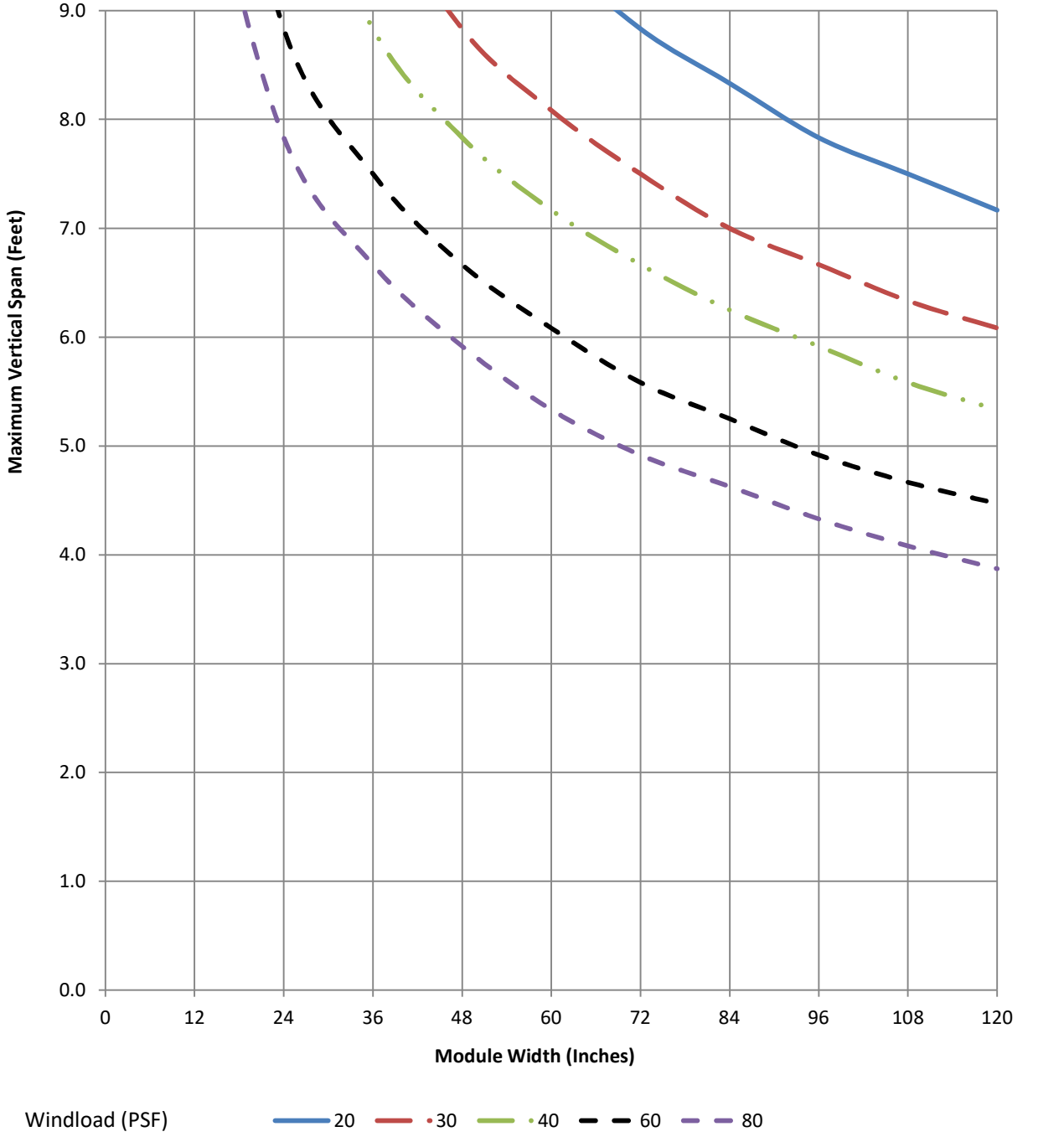
Typical Use: 2990 Double Glazed 5.25" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.6968	0.14736	1.18738	0.12416	1.50806	0.30109	3.13	0.1272	0.2447	2.362

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 9 feet maximum.



Extrusion: **A299222 with 1/4" x 3" Bar**

System: 2990AW FeatureLine

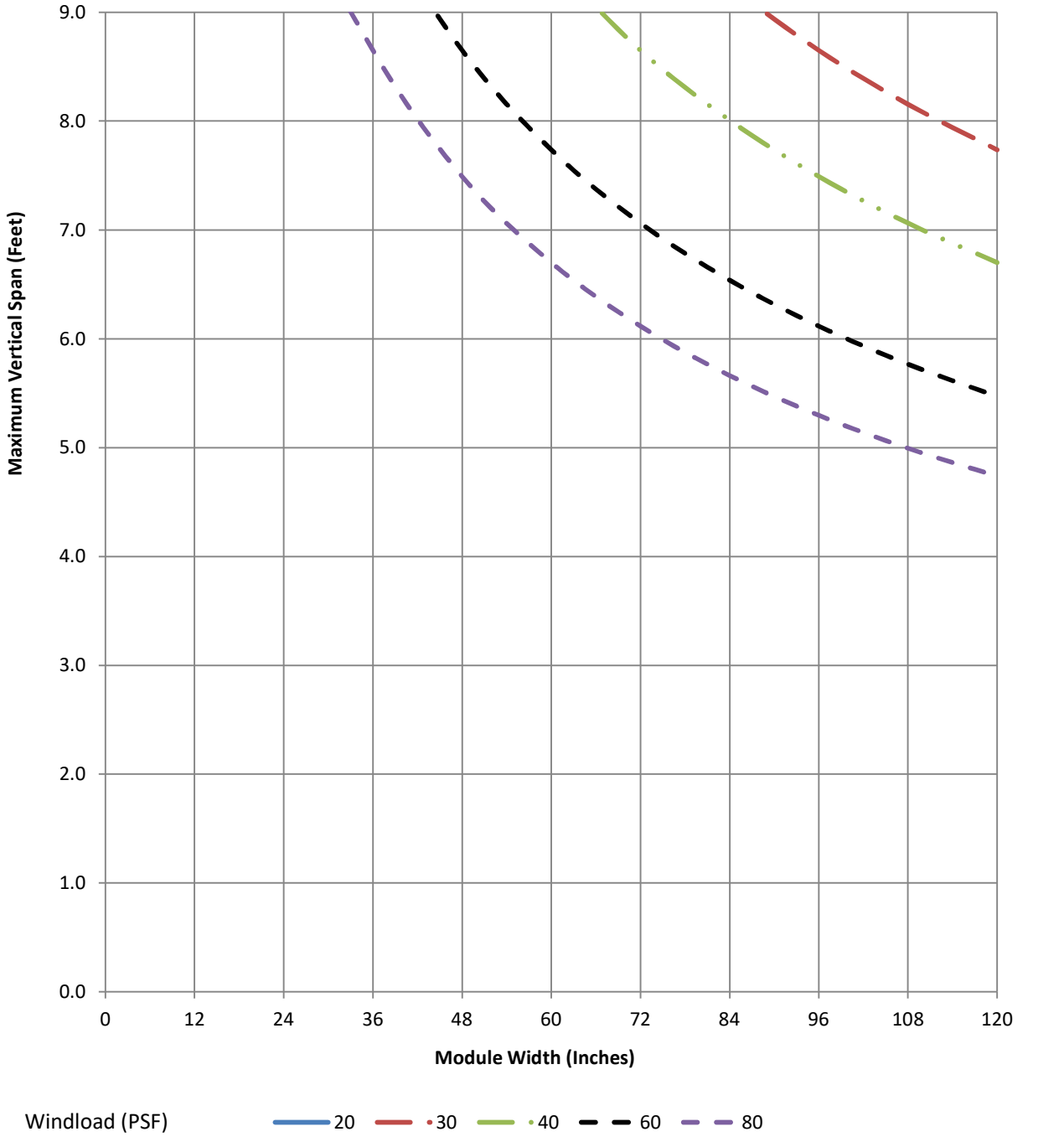
Typical Use: 2990 Double Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.77925	0.29707	1.7778	0.26347	1.915	0.5027	3.101	0.3797	1.003	2.333

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 9 feet maximum.



Extrusion: **A299222_EA294001**

System: 2990AW FeatureLine

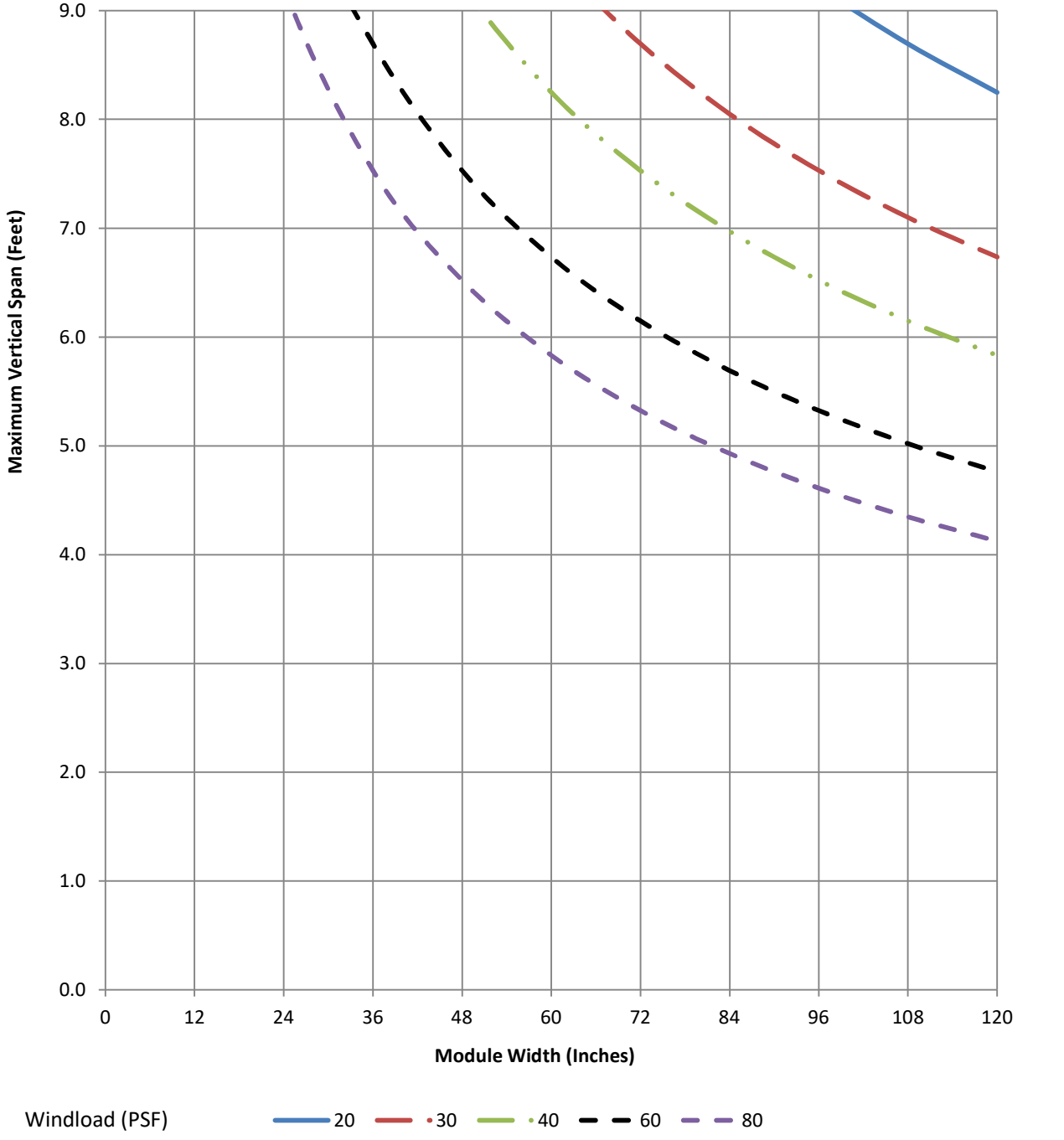
Typical Use: 2990 Double Glazed 6" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.3793	0.28916	1.34715	0.25344	1.55402	0.39932	3.101	0.3814	1.0043	2.5921

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 9 feet maximum.



Extrusion: **A299222**

System: 2990AW FeatureLine

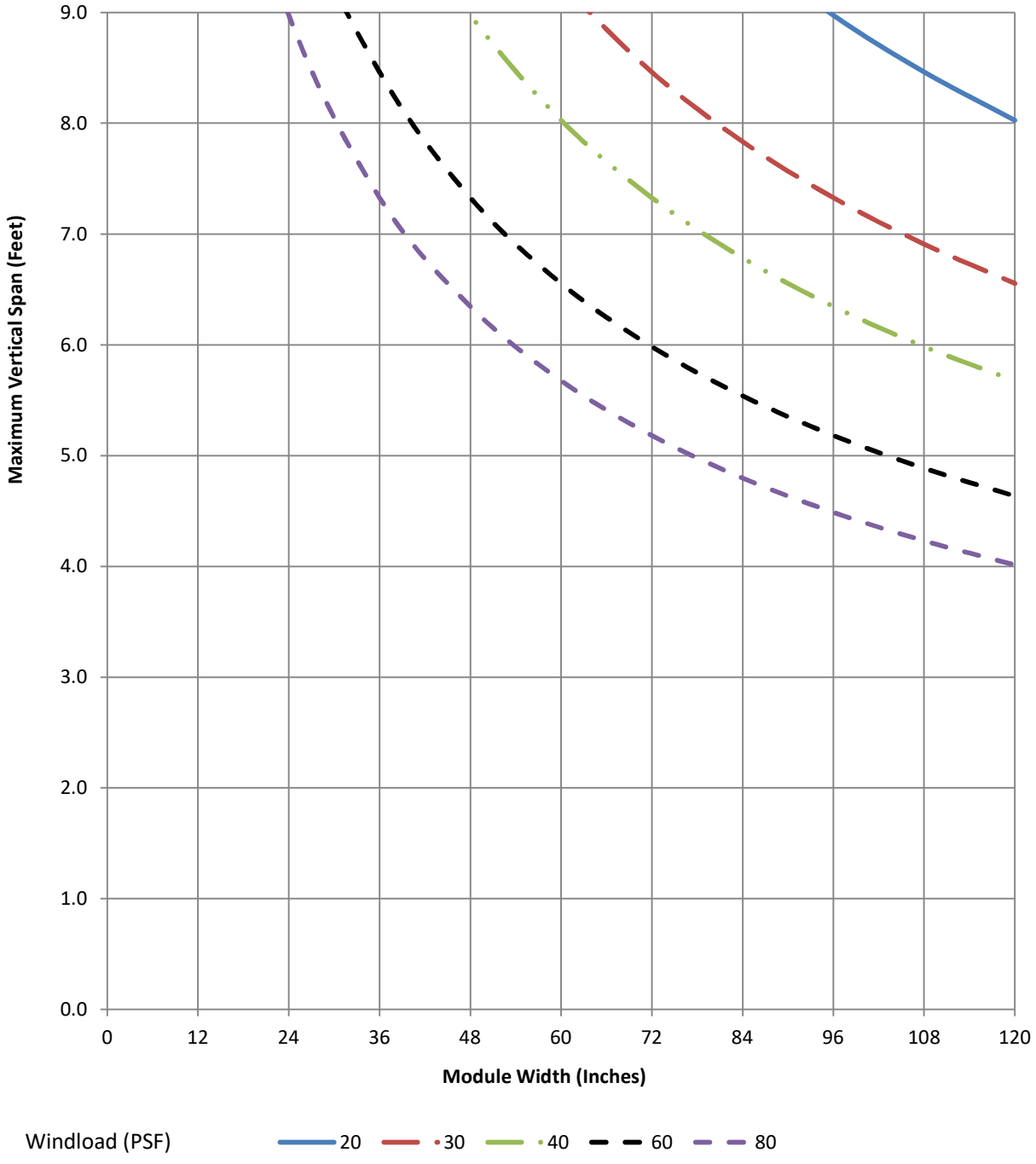
Typical Use: 2990 Double Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.148	0.28576	1.276	0.25344	1.915	0.5027	3.101	0.3797	1.003	2.333

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 9 feet maximum.



Extrusion: **A299223_A299224 with 1/4" x 3" Bar**

System: 2990AW FeatureLine

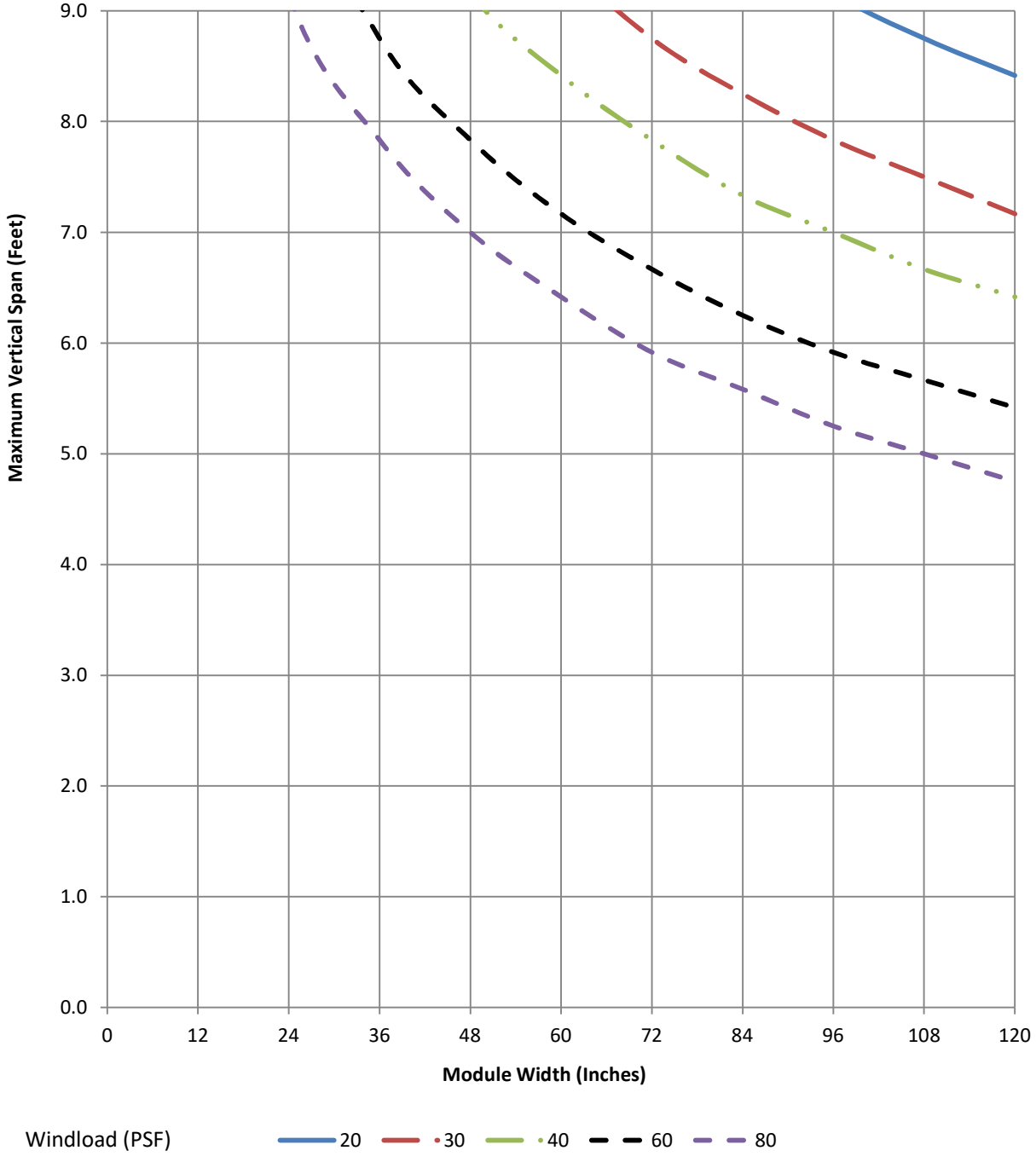
Typical Use: 2990 Double Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
6.89845	0.15899	1.94006	0.13393	1.73044	0.28975	3.79	0.1275	0.3335	2.904

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 9 feet maximum.



Extrusion: **A299223_A299224**

System: 2990AW FeatureLine

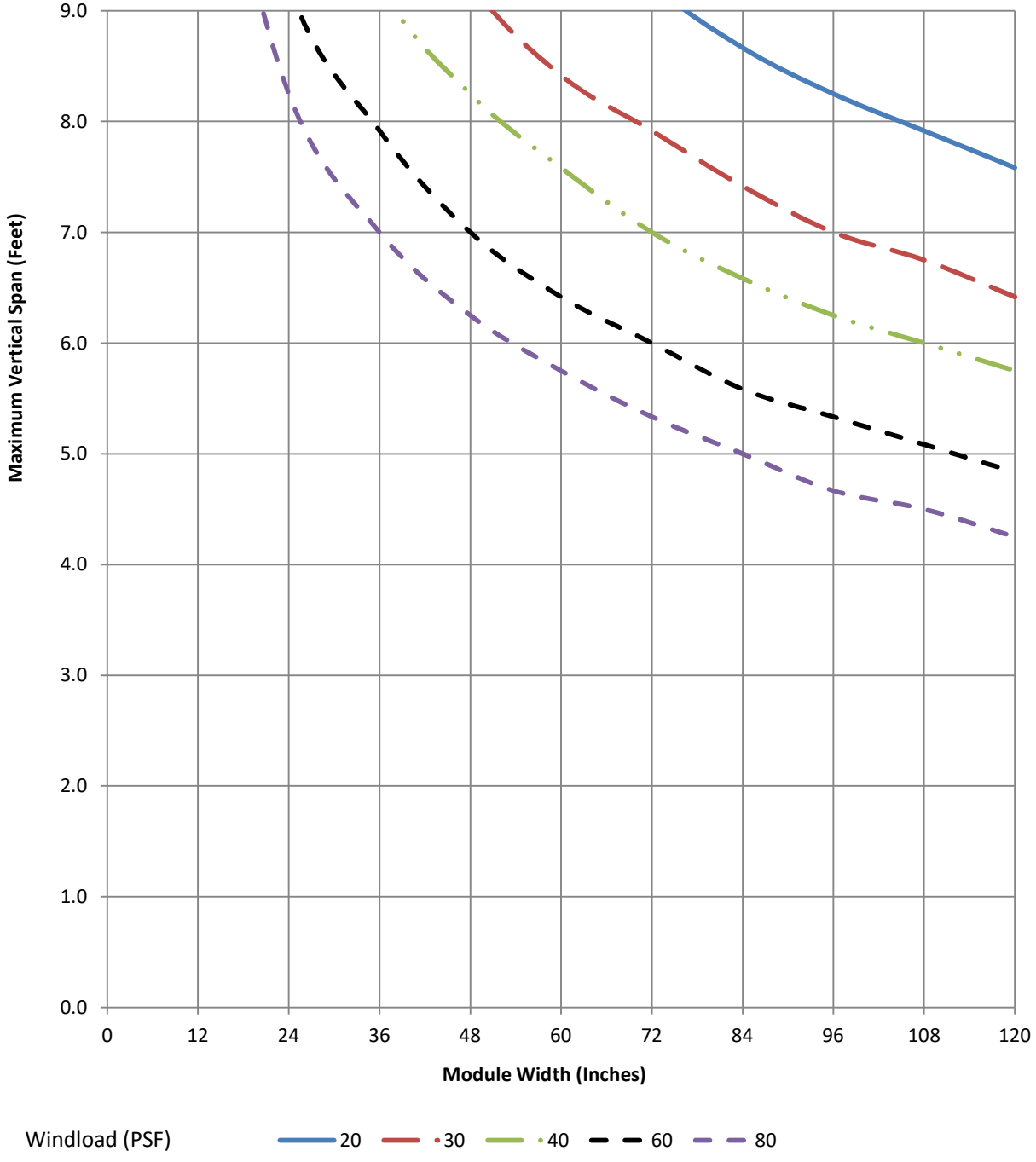
Typical Use: 2990 Double Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.2672	0.14768	1.4813	0.1244	1.73044	0.28975	3.79	0.1275	0.3335	2.904

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 9 feet maximum.



Extrusion: **A299302 with 1/4" x 2-1/2" Bar**

System: 2990AW FeatureLine

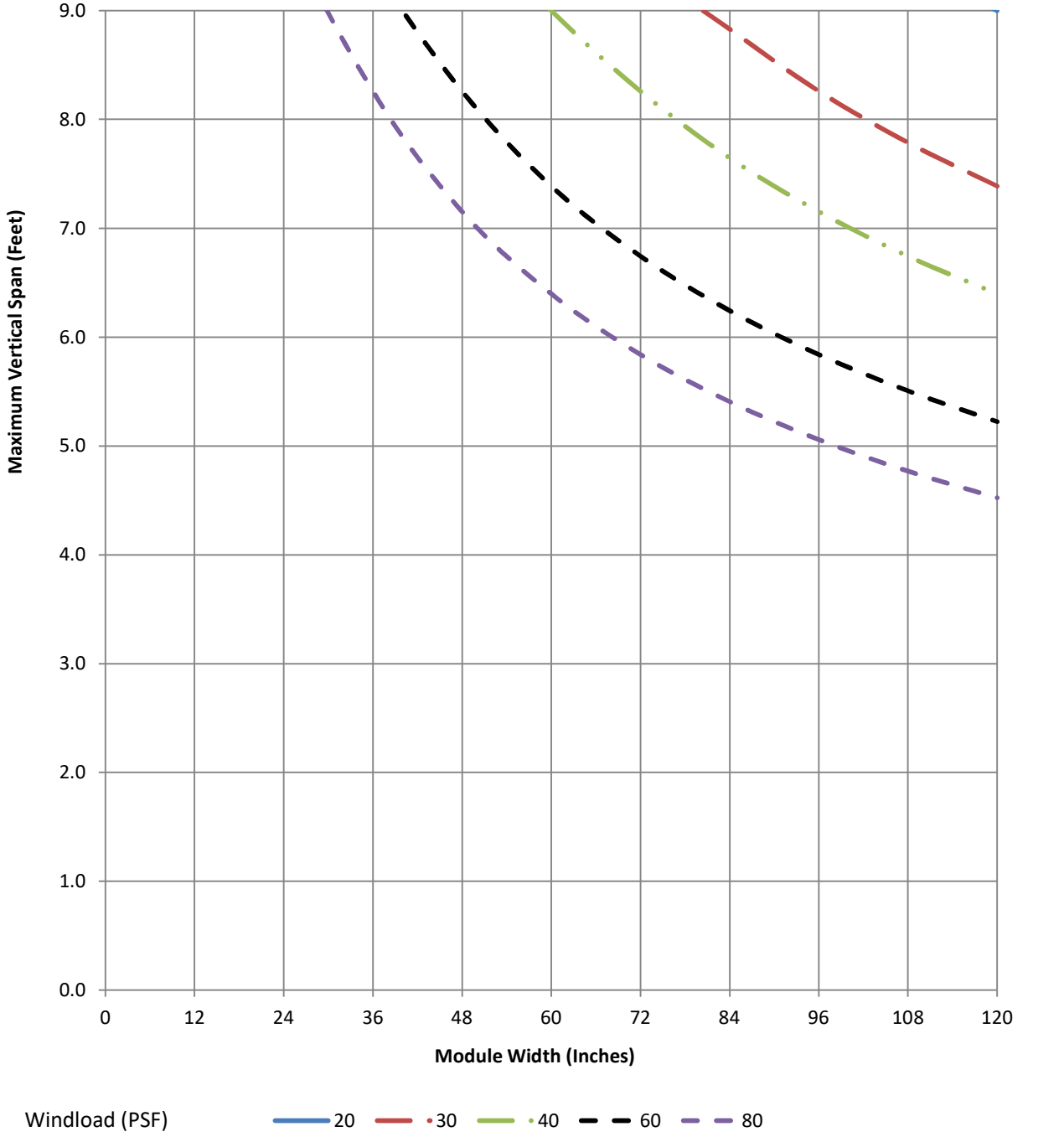
Typical Use: 2990 Triple Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.08555	0.28461	1.62085	0.25315	1.993	0.5136	3.161	0.3293	0.9293	2.305

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 9 feet maximum.



Extrusion: **A299302_EA294001**

System: 2990AW FeatureLine

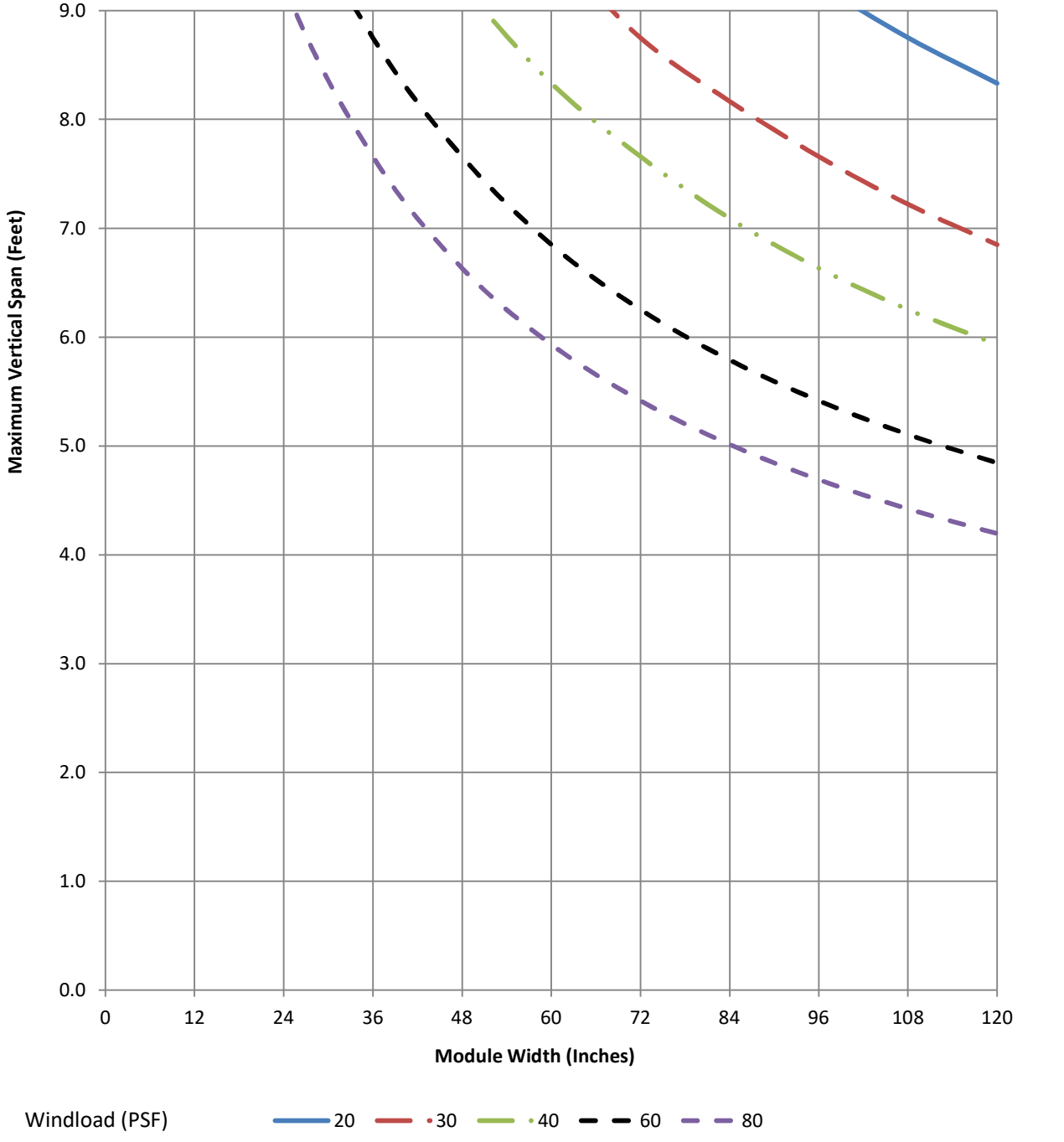
Typical Use: 2990 Triple Glazed 6" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.3729	0.27844	1.39372	0.24464	1.60271	0.40442	3.161	0.331	0.9306	2.5641

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 9 feet maximum.



Extrusion: **A299302**

System: 2990AW FeatureLine

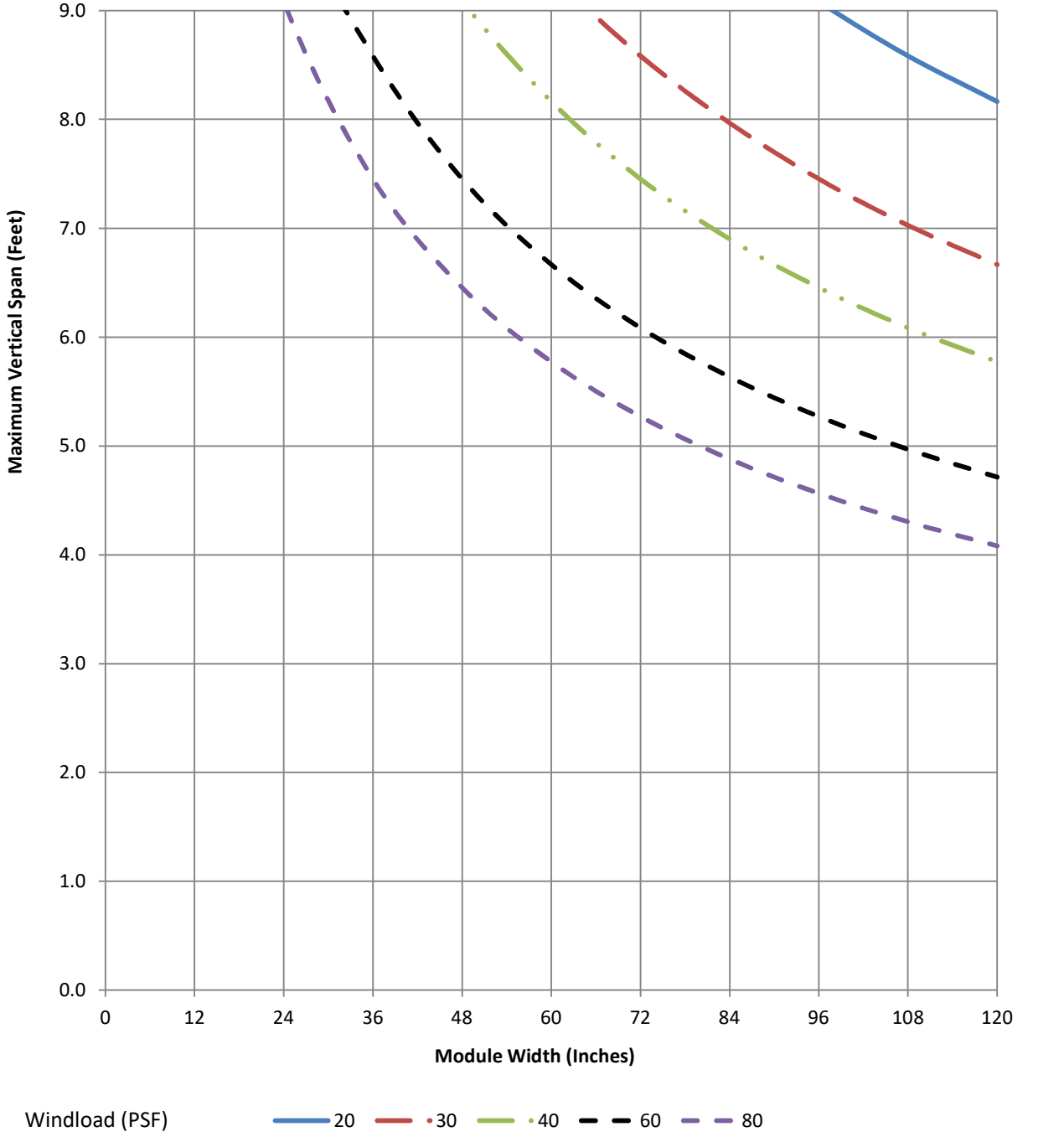
Typical Use: 2990 Triple Glazed 6" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.1416	0.27504	1.32	0.24464	1.993	0.5136	3.161	0.3293	0.9293	2.305

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 9 feet maximum.



Extrusion: **A299303_A299304 with 1/4" x 2-1/4" Bar**

System: 2990AW FeatureLine

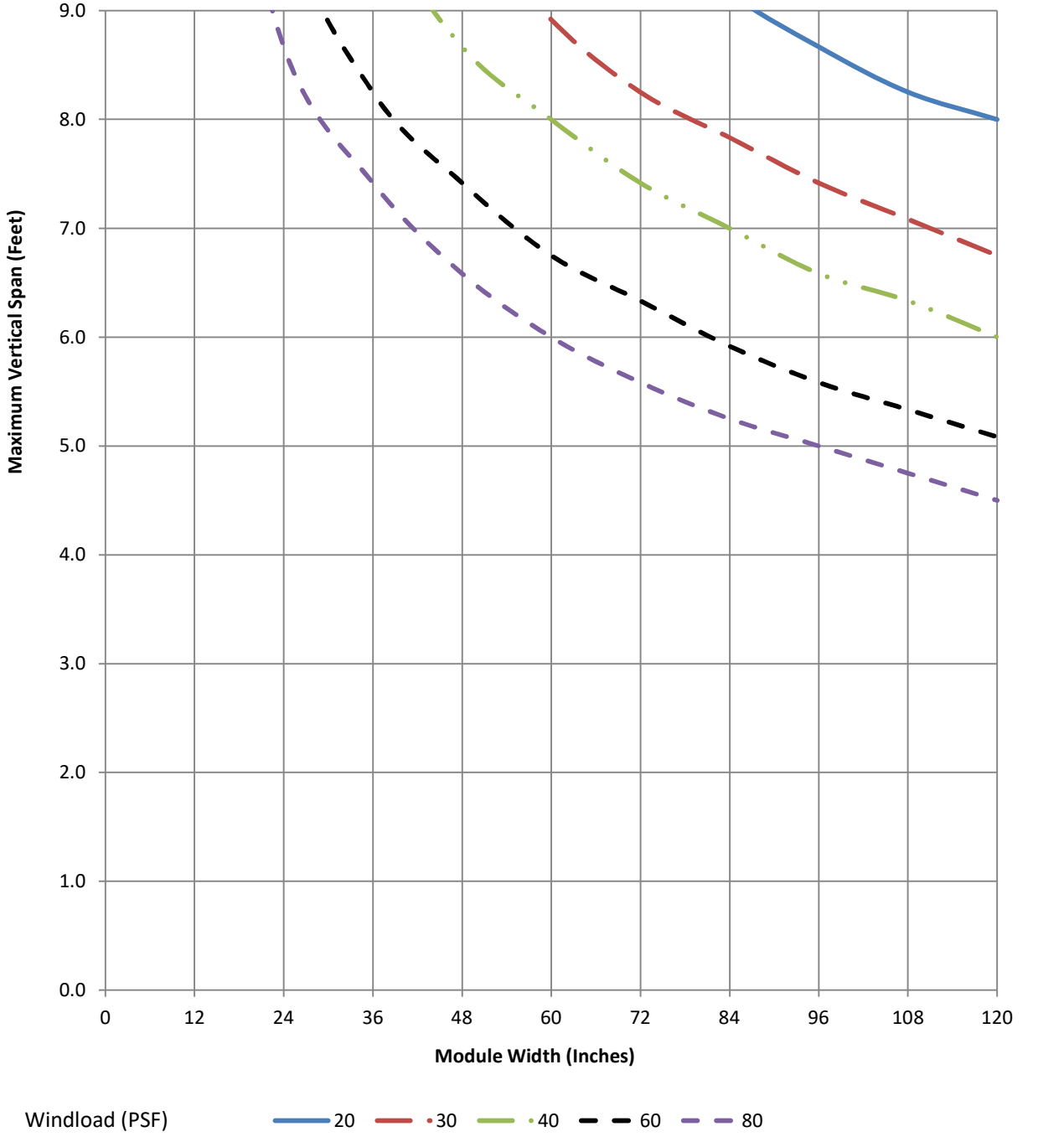
Typical Use: 2990 Triple Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.89057	0.15721	1.70077	0.13354	1.76537	0.29856	3.583	0.1272	0.338	2.942

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 9 feet maximum.



Extrusion: **A299303_A299304**

System: 2990AW FeatureLine

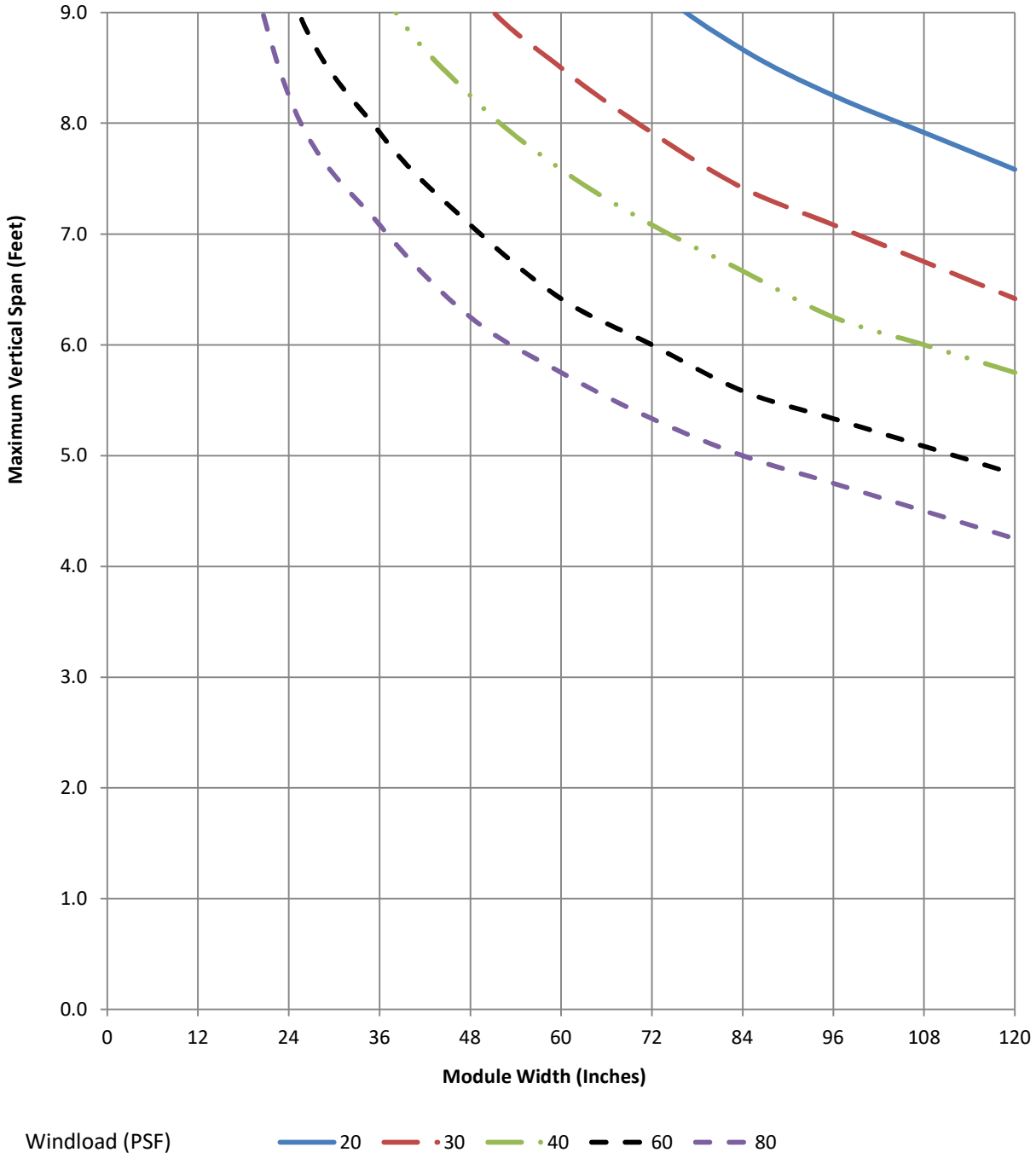
Typical Use: 2990 Triple Glazed 6" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.2024	0.1488	1.50207	0.1264	1.76537	0.29856	3.583	0.1272	0.338	2.942

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 9 feet maximum.



Extrusion: **A299322 with 1/4" x 3" Bar**

System: 2990AW FeatureLine

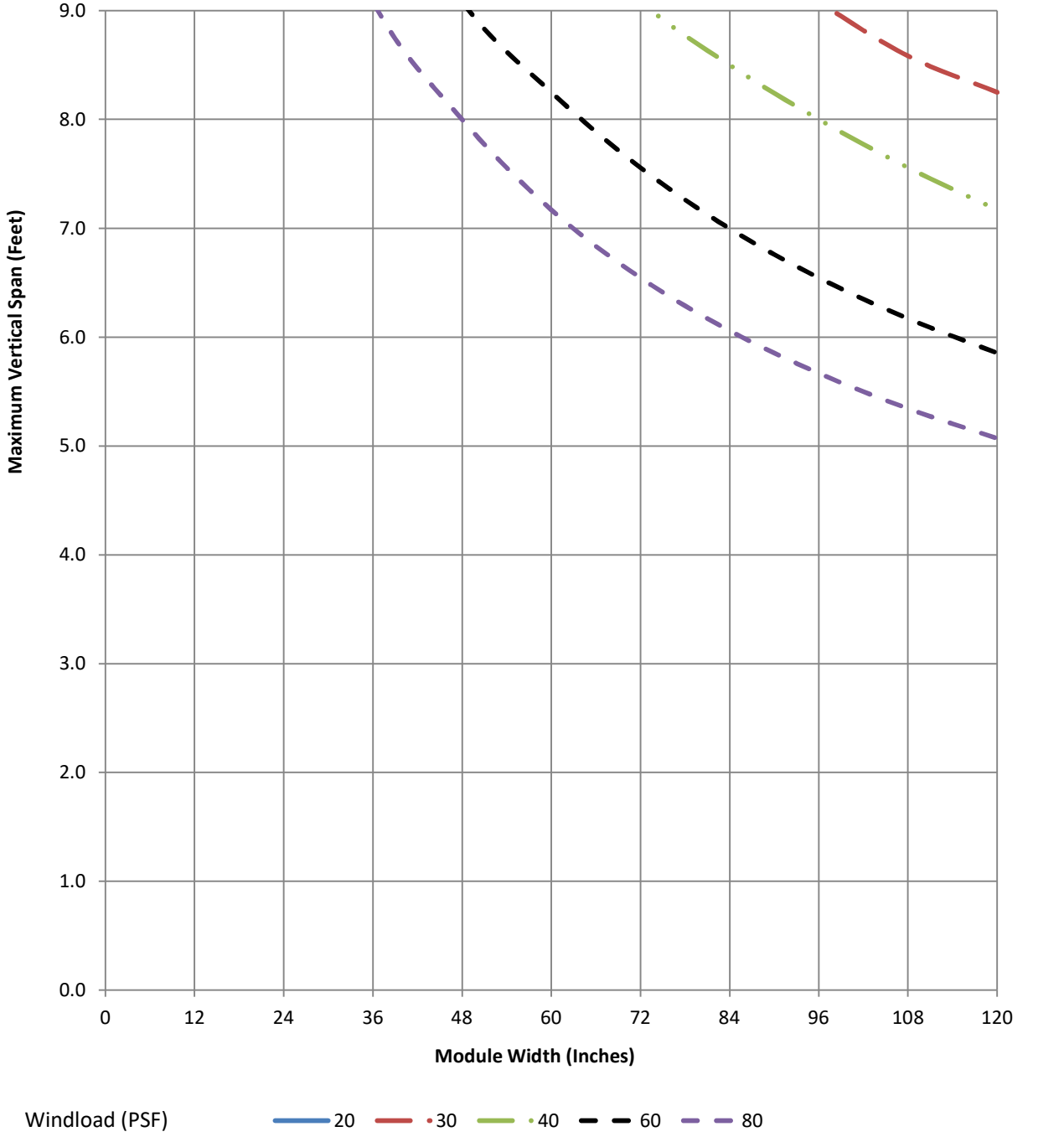
Typical Use: 2990 Triple Glazed 6.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
7.20005	0.29723	2.03558	0.26438	2.202	0.499	3.455	0.3797	1.356	2.745

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 9 feet maximum.



Extrusion: **A299322_EA294001**

System: 2990AW FeatureLine

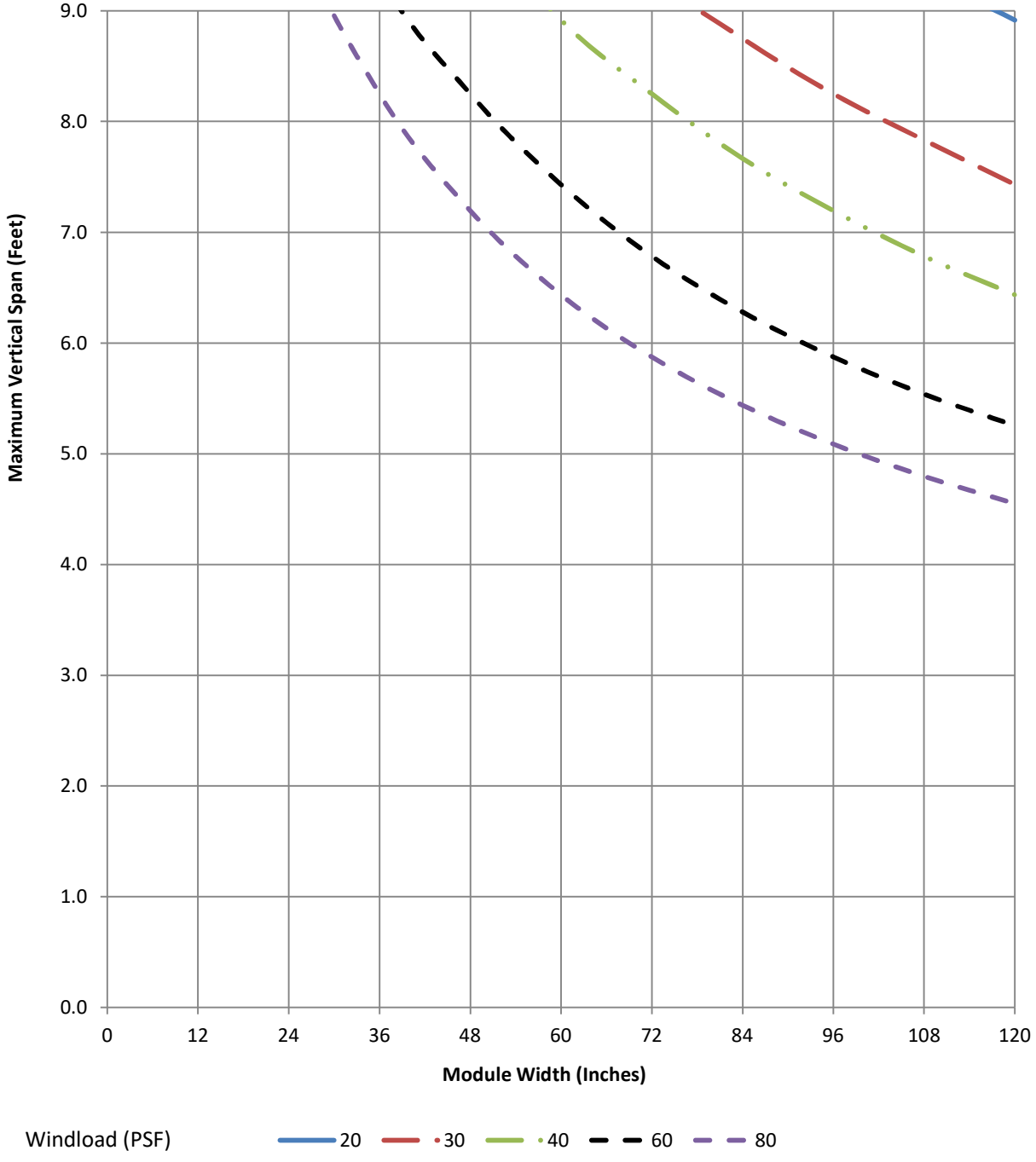
Typical Use: 2990 Triple Glazed 6.75" Mullion and Horizontal with Reinforcement

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.8001	0.28932	1.63979	0.25432	1.77816	0.39714	3.455	0.3814	1.3573	3.0041

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 9 feet maximum.



Extrusion: **A299322**

System: 2990AW FeatureLine

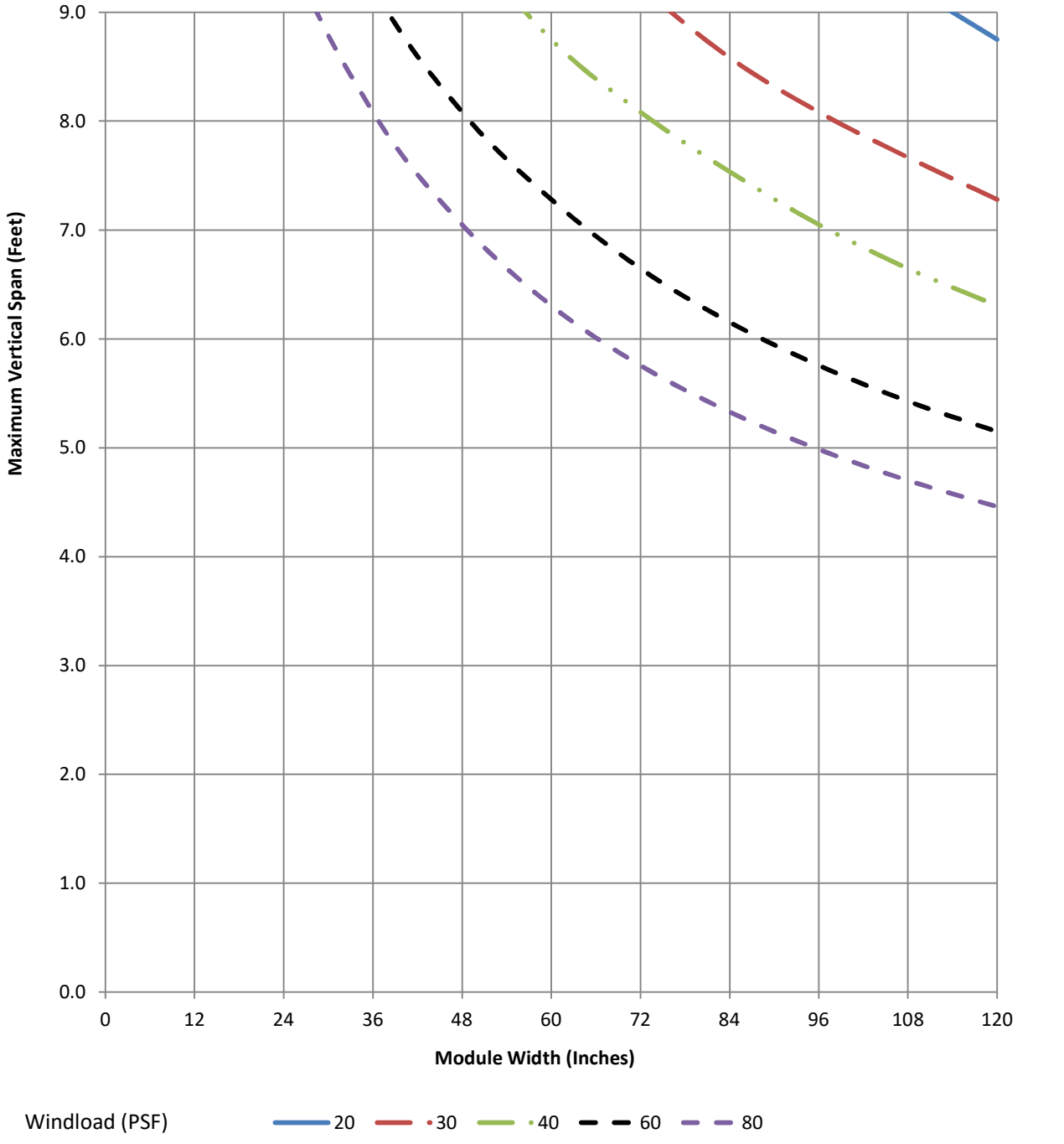
Typical Use: 2990 Triple Glazed 6.75" Mullion and Horizontal

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.5688	0.28592	1.5744	0.25432	2.202	0.499	3.455	0.3797	1.356	2.745

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 9 feet maximum.



Extrusion: **A299323_A299324 with 1/4" x 3" Bar**

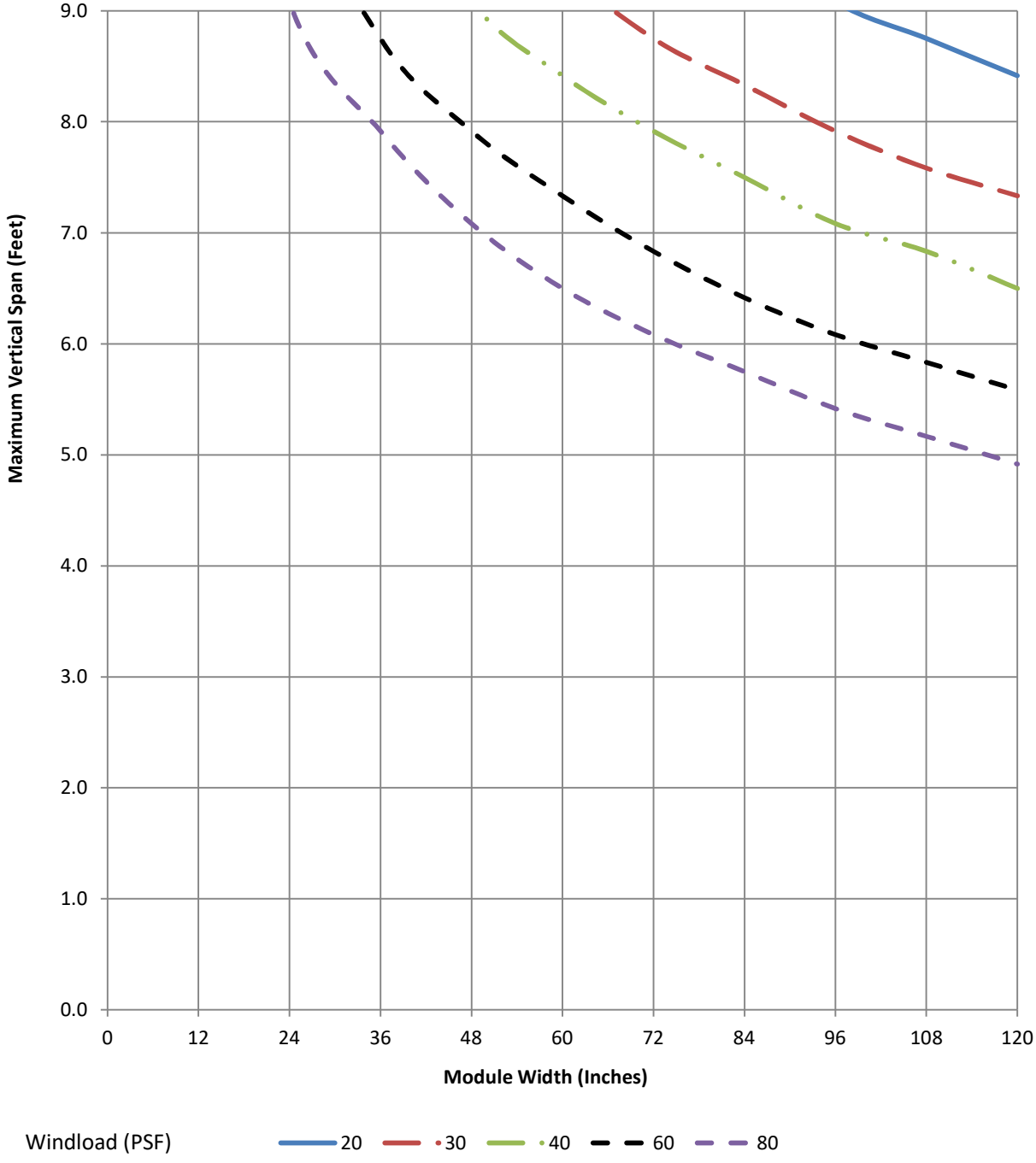
System: 2990AW FeatureLine

Typical Use: 2990 Triple Glazed 6.75" Expansion Mullion

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
8.70485	0.16091	2.23983	0.13707	1.98083	0.28807	4.228	0.1276	0.4494	3.503

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 9 feet maximum.



Extrusion: **A299323_A299324**

System: 2990AW FeatureLine

Typical Use: 2990 Triple Glazed 6.75" Expansion Mullion

Alloy: 6063 T6

Architectural FRAMING SYSTEMS

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
7.0736	0.1496	1.8201	0.12744	1.98083	0.28807	4.228	0.1276	0.4494	3.503

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 9 feet maximum.