



Materials & Finishes - Standard:

- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Unistrut Defender (DF):** Conforms to ASTM A1046 SS GR 33
- **Hot Dip Galvanized (HG):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM A123
- **Perma-Green (GR):** Steel conforms to ASTM A1011 SS GR 33, E-Coat finish
- **Perma-Gold (ZD):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM B633, Type II SC3
- **Plain (PL):** Conforms to ASTM A1011 SS GR 33

Materials & Finishes - Special Metals:

- **Stainless Steel, Type 304 (SS):** ASTM A240, Type 304 *
- **Stainless Steel, Type 316 (ST):** ASTM A240, Type 316 *
- **Aluminum (EA):** ASTM B221, Type 6063-T6 (Extruded) *

* These materials have different physical properties and performance characteristics. Please [contact us](#) for design support.

Part No.	Length (ft)	Finish	Product Weight / Ft (lbs/ft)
P6000	16	PG	0.36
P6000	10	PG	0.36
P6000	10	HG	0.392
P6000	16	HG	0.392
P6000	10	GR	0.36
P6000	16	GR	0.36
P6000	16	PL	0.36
P6000	10	PL	0.36
P6000	16	SS	0.36
P6000	10	SS	0.36
P6000	16	EA	0.14
P6000	10	EA	0.14

Beam Loading - P6000						
Span (in)	Max Allow. Uniform Load (lbs)	Deflection at Uniform Load (in)	Uniform Loading at Deflection			Lateral Bracing Reduction Factor
			Span/180 (lbs)	Span/240 (lbs)	Span/360 (lbs)	
18	230	0.06	230	230	180	0.90
24	170	0.11	170	150	100	0.80
30	140	0.18	130	100	70	0.80
36	110	0.24	90	70	50	0.63
42	100	0.35	70	50	30	0.63
48	80	0.42	50	40	30	0.52
54	80	0.60	40	30	20	0.52
60	70	0.72	30	20	20	0.45
66	60	0.82	30	20	10	0.45
72	60	1.06	20	20	10	0.40

Refer to the General Specifications for loading information.

Column Loading - P6000					
Unbraced Height (in)	Allowable Load at Slot Face (lbs)	Max Column Load Applied at C.G.			
		K=0.65 (lbs)	K=0.80 (lbs)	K=1.0 (lbs)	K=1.2 (lbs)
18	600	1,660	1,400	1,100	860
24	490	1,300	1,010	740	590
30	420	990	740	560	450
36	340	770	590	450	370
42	300	630	490	380	310
48	260	540	420	330	270
54	240	470	370	290	KL/r>200
60	210	410	330	KL/r>200	KL/r>200
66	210	370	300	KL/r>200	KL/r>200
72	180	340	270	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp: