



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

Part No.	Length (ft)	Finish	Product Weight / Ft (lbs/ft)
P3001T	20	PG	3.4

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.

Project:

Architect / Engineer:

Date: **Phone:**

Contractor:

Address:

Notes:

Approval Stamp:

Beam Loading - P3001T						
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)	
24	* 2,960	0.03	* 2,960	* 2,960	* 2,960	1.00
36	2,040	0.08	2,040	2,040	2,040	1.00
48	1,530	0.15	1,530	1,530	1,369	1.00
60	1,224	0.23	1,224	1,224	876	0.98
72	1,020	0.33	1,020	918	612	0.95
84	876	0.46	876	672	451	0.92
96	765	0.59	689	519	340	0.88
108	680	0.75	544	408	272	0.85
120	612	0.93	442	332	221	0.82
144	510	1.34	306	230	153	0.76
168	434	1.81	221	170	111	0.70
192	383	2.38	170	128	85	0.64
216	340	3.01	136	102	68	0.58
240	306	3.72	111	85	NR	0.52
Note	NR - Not Recommended					
Note	*Load limited by weld shear					

Refer to the General Specifications for loading information.

Column Loading - P3001T					
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)
36	5,620	20,520	19,720	18,830	17,680
48	5,520	19,400	18,570	16,570	14,260
60	5,330	18,510	16,570	13,670	10,810
72	5,030	16,850	14,260	10,810	7,730
84	4,630	14,990	11,930	8,180	5,680
96	4,190	13,090	9,720	6,260	4,350
108	3,720	11,230	7,730	4,950	KL/r>200
120	3,300	9,460	6,260	4,010	KL/r>200
144	2,620	6,590	4,350	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.