



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)
P4101T	10	PG	1.74
P4101T	20	PG	1.74
P4101T	20	GR	1.74
P4101T	10	GR	1.74
P4101T	10	ZD	1.74
P4101T	20	ZD	1.74

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 - P4101T						
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	*1,090	0.06	*1,090	*1,090	*926	1.00
36	680	0.14	680	680	485	1.00
48	510	0.25	510	408	272	1.00
60	408	0.39	349	264	170	0.96
72	340	0.57	238	179	119	0.92
84	289	0.76	179	136	85	0.89
96	255	1.00	136	102	68	0.85
108	230	1.29	111	77	51	0.81
120	204	1.57	85	68	43	0.78
144	170	2.26	60	43	34	0.71
168	145	3.05	43	34	26	0.64
192	128	4.02	34	NR	NR	0.57
216	111	4.96	NR	NR	NR	0.50
240	102	6.28	NR	NR	NR	0.45
Note	NR - Not Recommended					
Note	*Load limited by weld shear					

Refer to the General Specifications for loading information.

Column Loading - P4101T					
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)
24	3,240	12,370	11,950	11,370	10,540
36	3,120	11,470	10,540	9,160	7,720
48	2,940	10,090	8,680	6,770	4,980
60	2,680	8,560	6,770	4,590	3,190
72	2,310	7,010	4,980	3,190	2,220
84	1,950	5,530	3,660	2,340	KL/r>200
96	1,650	4,250	2,800	KL/r>200	KL/r>200
108	1,410	3,360	2,220	KL/r>200	KL/r>200

Refer to the General Specifications for loading information.