Support condition	End Condition	Lb = 8 ft L = 8 ft Not using Kc Mn in-kips	Lb = 8 ft L = 8 ft Using Kc Mn in-kips		Lb = 12 ft L = 12 ft Not using Kc Mn in-kips	Lb = 12 ft L = 12 ft Using Kc Mn in-kips		Lb = 16 ft L = 16 ft Not using Kc Mn in-kips	Lb = 16 ft L = 16 ft Using Kc Mn in-kips
Fixed	T & B Braced	1116	1116		1116	1116		1565	1116
Knife - Top and Bott braced	T & B Braced	1116	1116		1116	755		1565	525

For above values - Cb = 1.0 for cases where Kc method is used

For cases where Kc method is not used, Cb is calculated (= 2.33 for uniformly loaded cantilever)

Based on W10x26 with Fy = 50 ksi