

Beam Type	US Sections - Center Beam Supporting One Floor							
	Tributary Span, ft							
	8		12		16		20	
	Maximum Unsupported Beam Span, ft							
	18	14	16	14	16	14	16	14
<b>LSB</b>	1200LSB350-98 (8.99)	1000LSB300-79 (6.10)	1200LSB350-98 (8.99)	1000LSB300-98 (7.74)	1200LSB350-118 (10.71)	1200LSB350-98 (8.99)	1400LSB350-118 (11.50)	1200LSB350-98 (8.99)
<b>Steel I-Beam</b>	W8x15 (15)	W8x13 (13)	W8x15 (15)	W8x13 (13)	W8x15 (15)	W8x13 (13)	W8x15 (15)	W8x13 (13)
<b>LVL</b>	(3) 1-3/4"x11-7/8" (17.85)	(2) 1-3/4"x11-1/4" (11.26)	(3) 1-3/4"x11-7/8" (17.85)	(3) 1-3/4"x11-1/4" (16.89)	(3) 1-3/4"x 11-1/4" (16.89)	(2) 1-3/4"x11-1/4" (11.26)	(4) 1-3/4"x 11-1/4" (22.52)	(3) 1-3/4"x11-1/4" (16.89)

Notes:

1. Floor live load = 40 psf
2. Floor dead load = 15 psf
3. Deflection limit: L/360 for live loads and L/240 for total loads
4. LVLs have 1.9E and Fe = 2.6 ksi
5. LSB is assumed to have full lateral support.
6. Values in paranthesis are weight/foot of beam