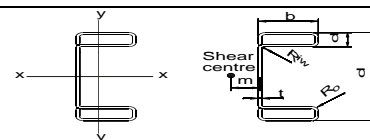


**Table 1**

**Gross Section Properties**



**LiteSteel beam**

ID	Dimensions								Properties of Full Section										
	d	b	d <sub>f</sub>	t	R <sub>o</sub>	R <sub>w</sub>	Area	wt/ft	Axis x-x			Axis y-y				m	G J <sub>F</sub>	J	C <sub>w</sub>
									I <sub>x</sub>	S <sub>x</sub>	r <sub>x</sub>	I <sub>y</sub>	S <sub>yL</sub>	S <sub>yR</sub>	r <sub>y</sub>				
in	in	in	in	in	in	in <sup>2</sup>	lb	in <sup>4</sup>	in <sup>3</sup>	in	in <sup>4</sup>	in <sup>3</sup>	in <sup>3</sup>	in	k in <sup>2</sup>	in <sup>4</sup>	in <sup>6</sup>		
1400LSB350-134	13.8	3.50	1.18	0.134	0.201	0.118	3.84	13.07	108.8	15.79	5.32	5.74	5.33	2.37	1.22	1.35	8673	1.544	168.1
1400LSB350-118	13.8	3.50	1.18	0.118	0.177	0.118	3.41	11.59	96.8	14.05	5.33	5.17	4.79	2.13	1.23	1.36	7892	1.403	151.3
1400LSB350-098	13.8	3.50	1.18	0.098	0.148	0.118	2.86	9.73	81.5	11.83	5.34	4.41	4.08	1.82	1.24	1.37	6831	1.213	129.2
1200LSB350-134	11.8	3.50	1.18	0.134	0.201	0.118	3.58	12.17	75.2	12.73	4.59	5.45	4.73	2.32	1.24	1.38	8673	1.543	116.9
1200LSB350-118	11.8	3.50	1.18	0.118	0.177	0.118	3.18	10.80	66.9	11.33	4.59	4.91	4.25	2.09	1.24	1.39	7892	1.402	105.2
1200LSB350-98	11.8	3.50	1.18	0.098	0.148	0.118	2.67	9.07	56.4	9.55	4.60	4.19	3.62	1.79	1.25	1.39	6831	1.212	89.9
1000LSB300-118	9.8	2.95	0.98	0.118	0.177	0.118	2.64	8.97	38.5	7.83	3.82	2.84	2.91	1.43	1.04	1.16	4421	0.787	42.2
1000LSB300-98	9.8	2.95	0.98	0.098	0.148	0.118	2.22	7.54	32.5	6.61	3.83	2.43	2.49	1.23	1.05	1.17	3861	0.686	36.2
1000LSB300-79	9.8	2.95	0.98	0.079	0.118	0.118	1.79	6.09	26.3	5.35	3.84	2.00	2.05	1.02	1.06	1.18	3231	0.573	29.9
800LSB250-98	7.9	2.36	0.79	0.098	0.148	0.118	1.75	5.96	16.4	4.16	3.06	1.20	1.54	0.76	0.83	0.93	1865	0.332	11.4
800LSB250-79	7.9	2.36	0.79	0.079	0.118	0.118	1.42	4.82	13.3	3.38	3.06	1.00	1.27	0.63	0.84	0.94	1582	0.281	9.5
800LSB250-59	7.9	2.36	0.79	0.059	0.089	0.118	1.08	3.67	10.2	2.58	3.07	0.78	0.99	0.49	0.85	0.94	1257	0.223	7.4

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**Table 1 (a)**

**Effective Section Properties**

**LiteSteel beam**

ID	wt/ft	Yield Stress		Axial Compression		about x-axis		about y-axis			
		Flange	Web	Effective Area	Coord. of Centroid	I <sub>bx</sub>	S <sub>bx</sub>	I <sub>byL</sub>	S <sub>byL</sub>	I <sub>byR</sub>	S <sub>byR</sub>
		F <sub>yf</sub>	F <sub>yw</sub>	A <sub>e</sub>	x <sub>c</sub>	in <sup>4</sup>	in <sup>3</sup>	in <sup>4</sup>	in <sup>3</sup>	in <sup>4</sup>	in <sup>3</sup>
lb	ksi	ksi	in <sup>2</sup>	in	in <sup>4</sup>	in <sup>3</sup>	in <sup>4</sup>	in <sup>3</sup>	in <sup>4</sup>	in <sup>3</sup>	
1400LSB350-134	13.07	60.0	50.0	3.07	1.36	107.7	15.49	4.63	3.53	5.74	2.37
1400LSB350-118	11.59	60.0	50.0	2.66	1.40	94.5	13.37	4.31	3.19	5.17	2.13
1400LSB350-098	9.73	60.0	50.0	2.17	1.44	76.8	10.56	3.87	2.75	4.41	1.82
1200LSB350-134	12.17	60.0	50.0	3.05	1.37	75.2	12.73	4.27	3.23	5.45	2.32
1200LSB350-118	10.80	60.0	50.0	2.65	1.40	66.9	11.33	3.96	2.92	4.91	2.09
1200LSB350-98	9.07	60.0	50.0	2.16	1.44	54.6	9.00	3.53	2.51	4.19	1.79
1000LSB300-118	8.97	60.0	50.0	2.28	1.14	38.5	7.83	2.19	1.99	2.84	1.43
1000LSB300-98	7.54	60.0	50.0	1.85	1.18	32.5	6.61	1.96	1.71	2.43	1.23
1000LSB300-79	6.09	60.0	50.0	1.44	1.22	25.3	4.96	1.71	1.43	2.00	1.02
800LSB250-98	5.96	60.0	50.0	1.53	0.91	16.4	4.16	0.92	1.05	1.20	0.76
800LSB250-79	4.82	60.0	50.0	1.19	0.94	13.3	3.38	0.80	0.88	1.00	0.63
800LSB250-59	3.67	60.0	50.0	0.86	0.98	9.6	2.34	0.67	0.69	0.78	0.49

US 50ksi steel

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**Table 2**

**Design Flexural and Shear Strengths**

**LiteSteel beam**

ID	Wt. per ft.	Design Flexural Strengths			Design Shear Strengths	
		$\phi_b M_{max}$	$\phi_b M_{nyL}$	$\phi_b M_{nyR}$	$\phi_v V_{nx}$	$\phi_v V_{ny}$
		kip ft	kip ft	kip ft	kip	kip
1400LSB350-134	13.07	73.6	9.5	11.2	28.7	56.4
1400LSB350-118	11.59	63.5	9.0	10.1	19.9	50.4
1400LSB350-98	9.73	50.1	8.3	8.7	11.5	42.7
1200LSB350-134	12.17	60.5	8.8	11.0	28.7	56.4
1200LSB350-118	10.80	53.8	8.3	9.9	22.3	50.4
1200LSB350-98	9.07	42.7	7.6	8.5	14.0	42.7
1000LSB300-118	8.97	37.2	5.3	6.8	22.3	41.5
1000LSB300-98	7.54	31.4	4.9	5.8	15.5	35.3
1000LSB300-79	6.09	23.6	4.4	4.8	8.6	28.8
800LSB250-98	5.96	19.7	2.8	3.6	15.5	27.4
800LSB250-79	4.82	16.1	2.5	3.0	9.9	22.5
800LSB250-59	3.67	11.1	2.2	2.3	4.6	17.3

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**Table 3**

**Web Crippling Strength**

**LiteSteel beam**

**Single Load or Reaction - End and Interior**

ID	Wt. per ft.	1.5 h in	Design Web Crippling Strength $\phi_w P_n$ (kips)												Design Flexural Strength $\phi_b M_{max}$ kip ft
			End Load c < 1.5 h Bearing Length N (in)						Interior Load c ≥ 1.5 h Bearing Length N (in)						
			1	2	3	4	6	8	1	2	3	4	6	8	
1400LSB350-134	13.07	16.8	7.2	8.0	8.5	9.0	9.8	10.6	14.2	15.5	16.0	16.5	17.3	18.1	73.6
1400LSB350-118	11.59	16.8	5.8	6.3	6.7	7.1	7.8	8.4	11.2	12.2	12.6	12.9	13.6	14.3	63.5
1400LSB350-98	9.73	16.8	4.2	4.5	4.8	5.1	5.6	6.1	8.0	8.5	8.8	9.1	9.6	10.1	50.1
1200LSB350-134	12.17	13.8	7.2	8.1	8.7	9.2	10.0	10.8	14.2	15.7	16.2	16.6	17.5	18.3	60.5
1200LSB350-118	10.80	13.8	5.8	6.5	6.9	7.3	8.0	8.6	11.2	12.3	12.7	13.1	13.8	14.4	53.8
1200LSB350-98	9.07	13.8	4.2	4.6	4.9	5.2	5.7	6.2	8.0	8.6	8.9	9.2	9.7	10.2	42.7
1000LSB300-118	8.97	11.5	5.8	6.3	6.8	7.2	8.0	8.6	11.3	12.0	12.4	12.8	13.6	14.2	37.2
1000LSB300-98	7.54	11.5	4.2	4.5	4.9	5.2	5.7	6.2	8.0	8.4	8.7	9.0	9.6	10.1	31.4
1000LSB300-79	6.09	11.5	2.7	3.0	3.2	3.4	3.8	4.2	5.2	5.4	5.6	5.8	6.2	6.6	23.6
800LSB250-98	5.96	9.1	4.0	4.5	4.8	5.2	5.7	6.3	7.8	8.2	8.5	8.8	9.4	9.9	19.7
800LSB250-79	4.82	9.1	2.7	2.9	3.2	3.4	3.8	4.2	5.0	5.3	5.5	5.7	6.1	6.5	16.1
800LSB250-59	3.67	9.1	1.6	1.7	1.9	2.0	2.3	2.5	2.8	3.0	3.1	3.3	3.5	3.7	11.1

US 50ksi steel

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<b>Simple Beam - One Story Loading</b>									
<b>Beam Size</b>	<b>LSB Beam Span, Feet</b>								
	<b>Center Beam Supporting One Floor</b>								
	<b>Tributary Span, Feet</b>								
	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
1400LSB350-134	24.5	22.7	21.4	20.3	19.4	18.7	18.1	17.5	17.0
1400LSB350-118	23.5	21.8	20.5	19.5	18.6	17.9	17.3	16.7	16.1
1400LSB350-98	21.9	20.3	19.1	18.2	17.4	15.6	14.1	12.8	11.7
1200LSB350-134	21.7	20.2	19.0	18.0	17.3	16.6	16.0	15.5	15.1
1200LSB350-118	20.9	19.4	18.3	17.3	16.6	16.0	15.4	14.9	14.5
1200LSB350-98	19.5	18.1	17.1	16.2	15.5	14.9	14.4	13.8	13.2
1000LSB300-118	17.4	16.1	15.2	14.4	13.8	13.3	12.8	12.4	12.1
1000LSB300-98	16.4	15.3	14.4	13.6	13.0	12.5	12.1	11.7	11.3
1000LSB300-79	15.1	14.0	13.2	12.5	12.0	11.3	10.5	9.6	8.8
800LSB250-98	13.1	12.1	11.4	10.8	10.4	10.0	9.6	9.3	9.0
800LSB250-79	12.2	11.3	10.7	10.1	9.7	9.3	8.8	8.4	8.1
800LSB250-59	11.0	10.2	9.4	8.0	7.0	6.2	5.6	5.1	4.7

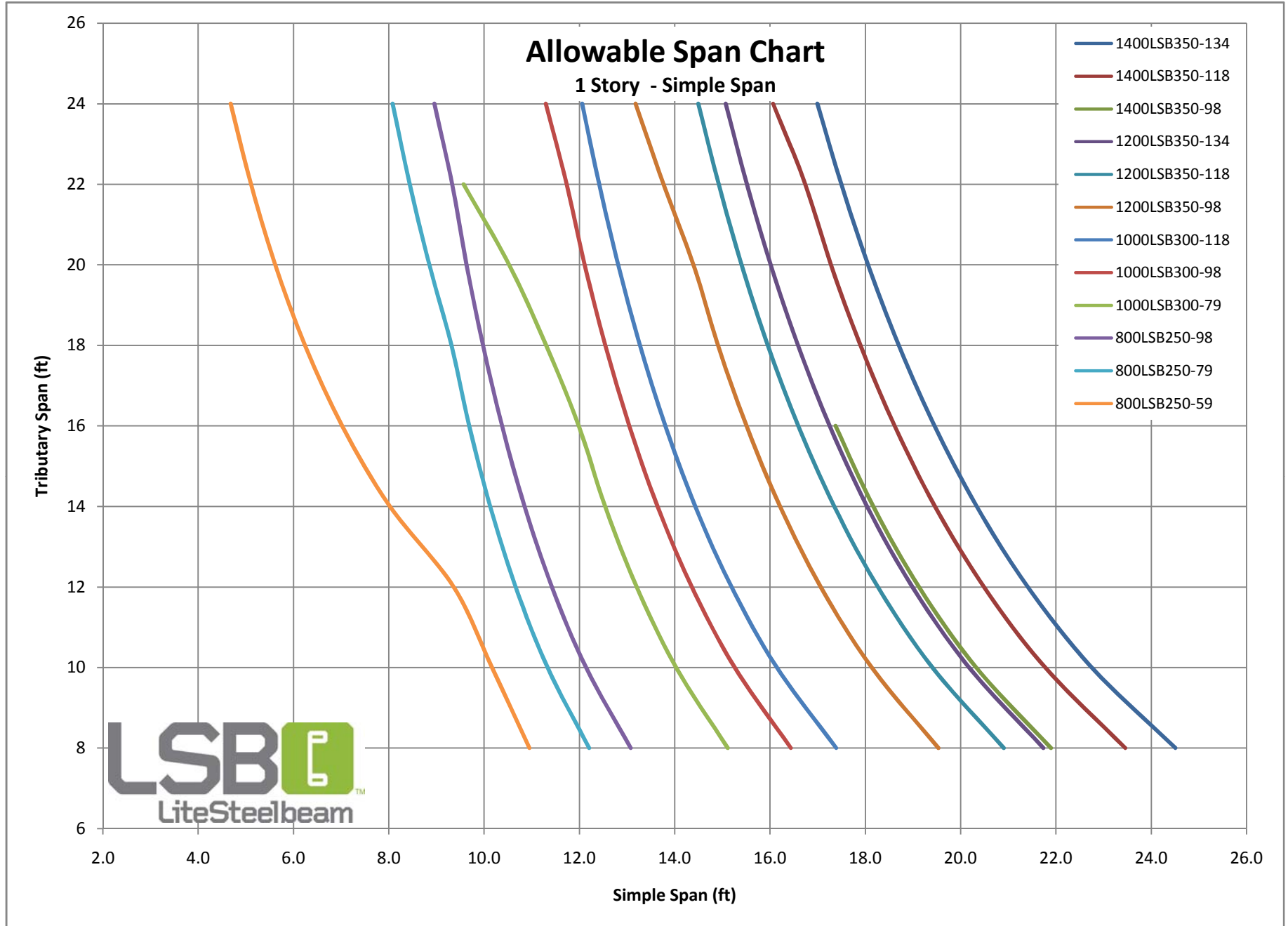
Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 40psf and Dead Load is 15psf

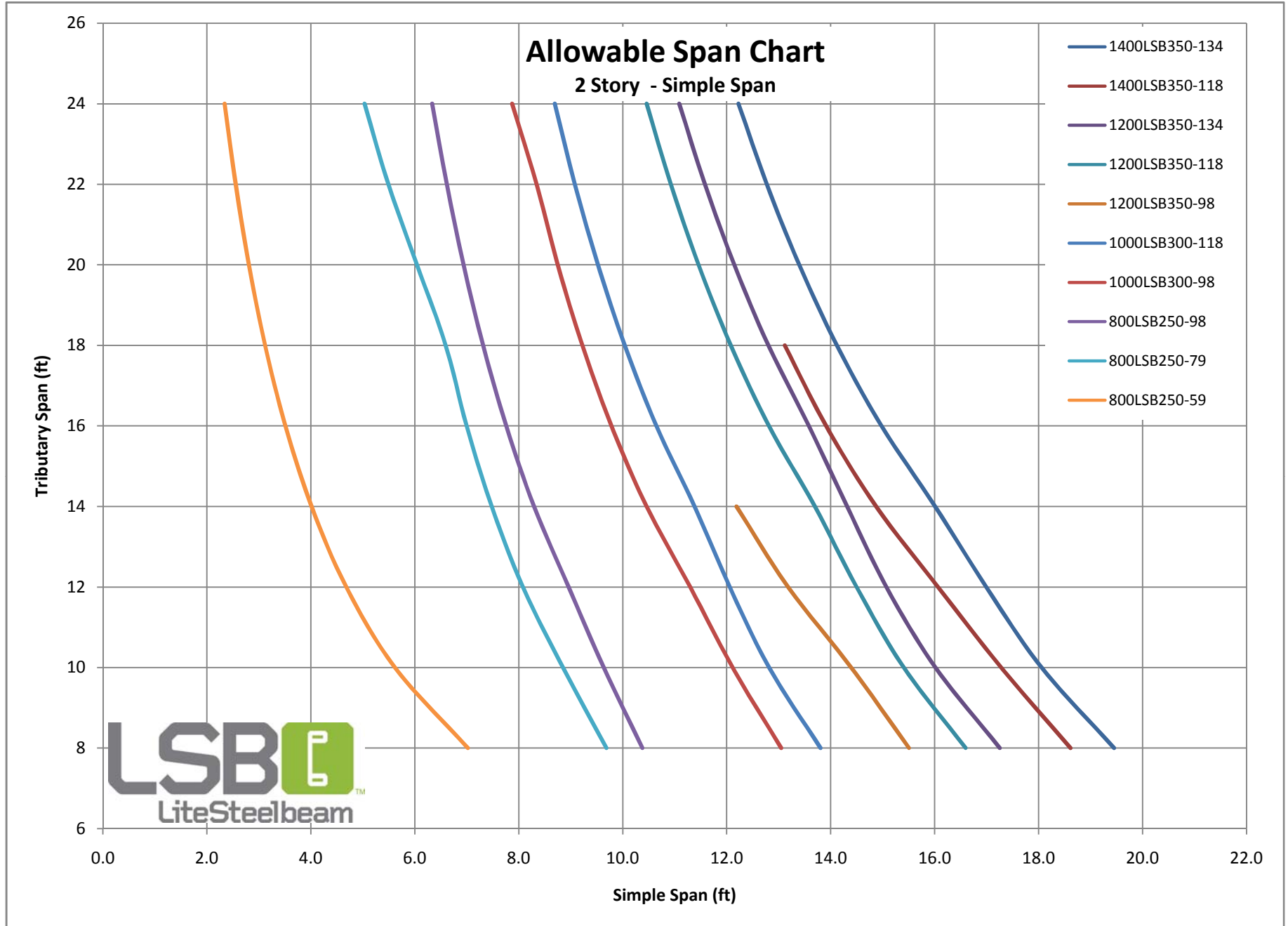
<b>Simple Beam - Two Story Loading</b>									
<b>Beam Size</b>	<b>LSB Beam Span, Feet</b>								
	<b>Center Beam Supporting Two Floors</b>								
	<b>Tributary Span, Feet</b>								
	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
1400LSB350-134	19.4	18.1	17.0	16.0	15.0	14.1	13.4	12.8	12.2
1400LSB350-118	18.6	17.3	16.1	14.9	13.9	13.1	12.2	11.0	10.1
1400LSB350-98	17.4	14.1	11.7	10.0	8.8	7.8	7.0	6.4	5.9
1200LSB350-134	17.3	16.0	15.1	14.3	13.6	12.8	12.1	11.6	11.1
1200LSB350-118	16.6	15.4	14.5	13.7	12.8	12.1	11.5	10.9	10.5
1200LSB350-98	15.5	14.4	13.2	12.2	10.7	9.5	8.5	7.8	7.1
1000LSB300-118	13.8	12.8	12.1	11.4	10.6	10.0	9.5	9.1	8.7
1000LSB300-98	13.0	12.1	11.3	10.5	9.8	9.2	8.7	8.3	7.9
1000LSB300-79	12.0	10.5	8.8	7.5	6.6	5.8	5.3	4.8	4.4
800LSB250-98	10.4	9.6	9.0	8.3	7.8	7.3	6.9	6.6	6.3
800LSB250-79	9.7	8.8	8.1	7.5	7.0	6.6	6.0	5.5	5.0
800LSB250-59	7.0	5.6	4.7	4.0	3.5	3.1	2.8	2.6	2.3

Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 80psf and Dead Load is 30psf



1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit:  $L/360$  for live loads and  $L/240$  for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 40psf and Dead Load is 15psf



1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit:  $L/360$  for live loads and  $L/240$  for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 80psf and Dead Load is 30psf



<b>Continuous Beam - One Story Loading</b>									
<b>Beam Size</b>	<b>LSB Beam Span, Feet</b>								
	<b>Center Beam Supporting One Floor</b>								
	<b>Tributary Span, Feet</b>								
	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
1400LSB350-134	27.5	25.5	24.0	22.8	21.8	21.0	20.3	19.6	19.1
1400LSB350-118	26.3	24.4	23.0	21.9	20.9	20.1	19.4	17.8	16.3
1400LSB350-98	24.6	22.7	18.9	16.2	14.2	12.6	11.3	10.3	9.4
1200LSB350-134	24.4	22.7	21.3	20.3	19.4	18.6	18.0	17.4	16.9
1200LSB350-118	23.5	21.8	20.5	19.5	18.6	17.9	17.3	16.8	16.3
1200LSB350-98	21.9	20.4	19.2	18.2	17.2	15.3	13.8	12.5	11.5
1000LSB300-118	19.5	18.1	17.1	16.2	15.5	14.9	14.4	13.9	13.5
1000LSB300-98	18.5	17.1	16.1	15.3	14.6	14.1	13.6	13.2	12.7
1000LSB300-79	17.0	15.8	14.2	12.1	10.6	9.4	8.5	7.7	7.1
800LSB250-98	14.7	13.6	12.8	12.2	11.7	11.2	10.8	10.5	10.2
800LSB250-79	13.7	12.7	12.0	11.4	10.9	10.5	9.7	8.9	8.1
800LSB250-59	11.3	9.1	7.5	6.5	5.7	5.0	4.5	4.1	3.8

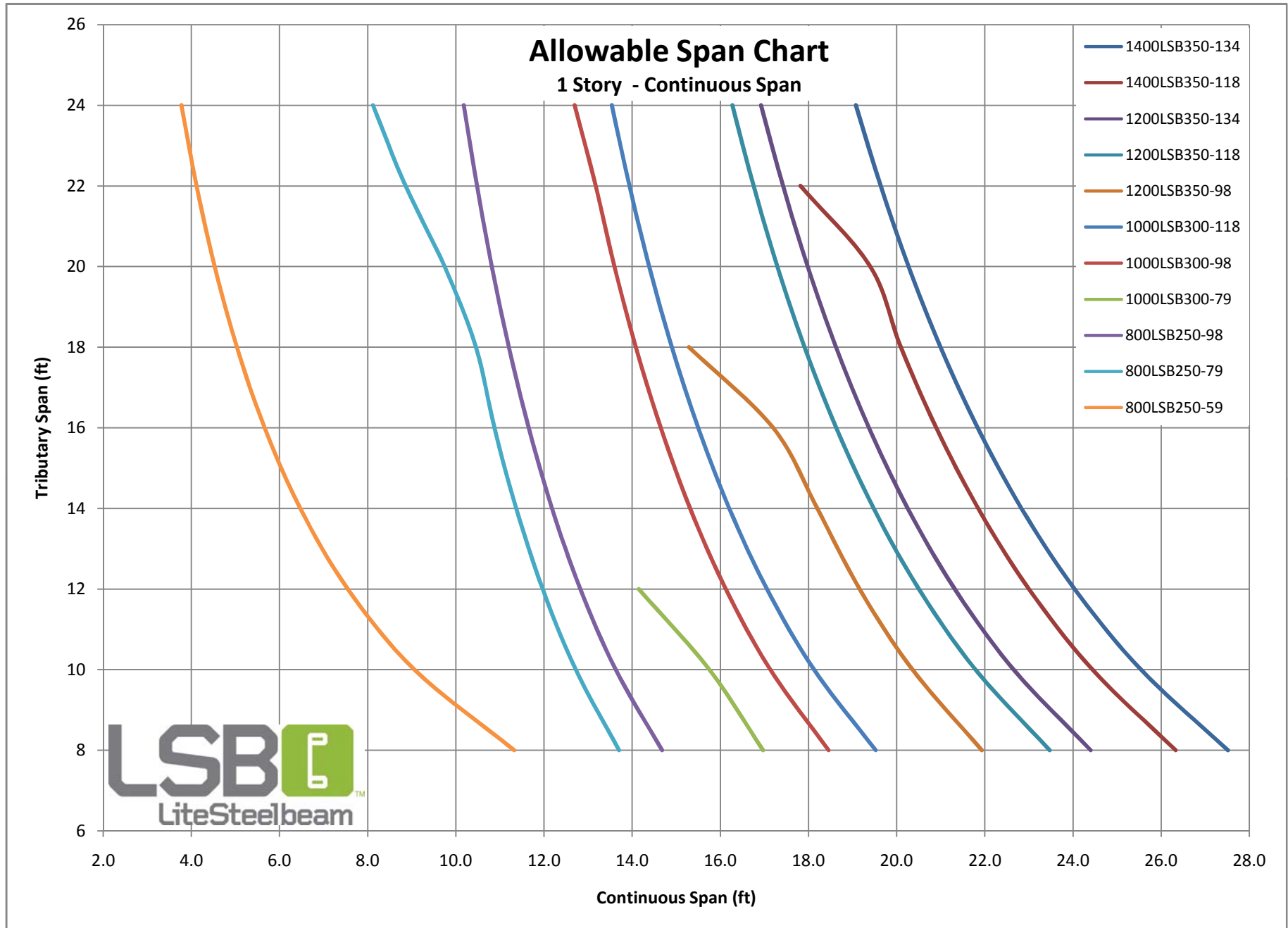
Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 40psf and Dead Load is 15psf

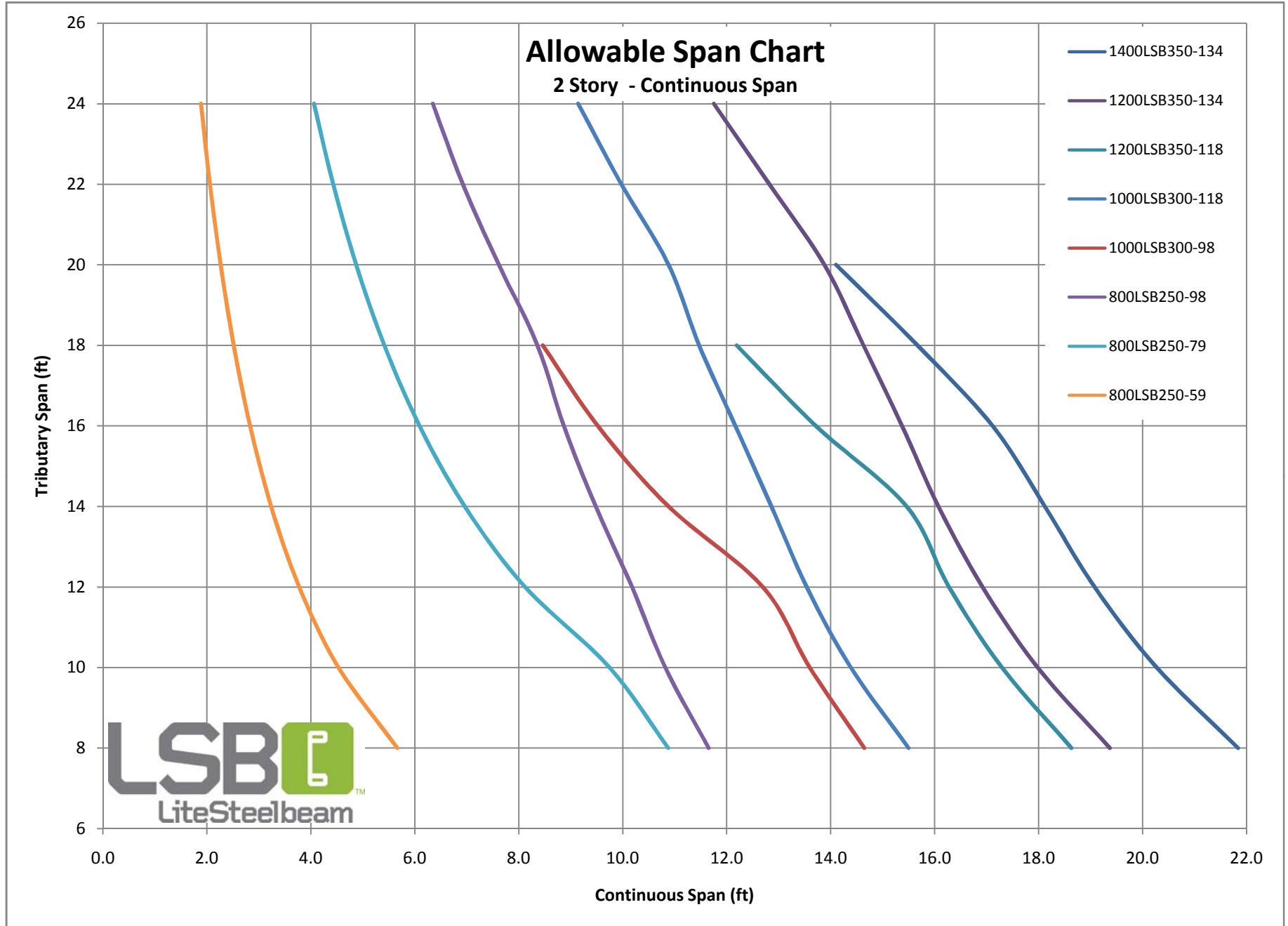
<b>Continuous Beam - Two Story Loading</b>									
<b>Beam Size</b>	<b>LSB Beam Span, Feet</b>								
	<b>Center Beam Supporting Two Floors</b>								
	<b>Tributary Span, Feet</b>								
	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
1400LSB350-134	21.8	20.3	19.1	18.1	17.1	15.7	14.1	12.8	11.8
1400LSB350-118	20.9	19.4	16.3	14.0	12.2	10.9	9.8	8.9	8.2
1400LSB350-98	14.2	11.3	9.4	8.1	7.1	6.3	5.7	5.2	4.7
1200LSB350-134	19.4	18.0	16.9	16.1	15.4	14.6	13.9	12.8	11.8
1200LSB350-118	18.6	17.3	16.3	15.5	13.7	12.2	11.0	10.0	9.1
1200LSB350-98	17.2	13.8	11.5	9.8	8.6	7.6	6.9	6.3	5.7
1000LSB300-118	15.5	14.4	13.5	12.9	12.2	11.5	10.9	10.0	9.1
1000LSB300-98	14.6	13.6	12.7	10.9	9.5	8.5	7.6	6.9	6.3
1000LSB300-79	10.6	8.5	7.1	6.1	5.3	4.7	4.2	3.9	3.5
800LSB250-98	11.7	10.8	10.2	9.5	8.9	8.4	7.6	6.9	6.3
800LSB250-79	10.9	9.7	8.1	7.0	6.1	5.4	4.9	4.4	4.1
800LSB250-59	5.7	4.5	3.8	3.2	2.8	2.5	2.3	2.1	1.9

Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 80psf and Dead Load is 30psf



1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit:  $L/360$  for live loads and  $L/240$  for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 40psf and Dead Load is 15psf



1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit:  $L/360$  for live loads and  $L/240$  for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..
4. Live Load is 80psf and Dead Load is 30psf

<b>Total Load (lbs/ft) Most Restrictive Simple Beam or Continuous Span</b>												
<b>Beam Size</b>	<b>Total Load = 75%LL + 25%DL</b>											
	<b>Deflection = &lt; Live Load/360    Deflection = &lt; Total Load/240</b>											
	<b>Beam Span, Feet</b>											
	<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>28</b>	<b>32</b>
1400LSB350-134	7649	5099	3824	3059	2550	2033	1533	1077	785	454	286	192
1400LSB350-118	5314	3543	2657	2126	1771	1518	1329	944	688	398	251	168
1400LSB350-98	3074	2049	1537	1230	1025	878	768	683	560	324	204	137
1200LSB350-134	7649	5099	3824	3059	2275	1597	1070	751	548	317	200	134
1200LSB350-118	5950	3967	2975	2380	1983	1421	952	669	487	282	178	119
1200LSB350-98	3731	2487	1865	1492	1244	1066	777	545	398	230	145	97
1000LSB300-118	5950	3967	2975	2013	1299	818	548	385	281	162	102	
1000LSB300-98	4130	2754	2065	1652	1096	690	463	325	237	137	86	
1000LSB300-79	2302	1535	1151	921	767	537	360	253	184	107	67	
800LSB250-98	4130	2754	1671	953	552	347	233	163	119	69		
800LSB250-79	2642	1761	1321	775	449	283	189	133	97	56		
800LSB250-59	1228	819	614	491	324	204	137	96	70	41		

Notes:

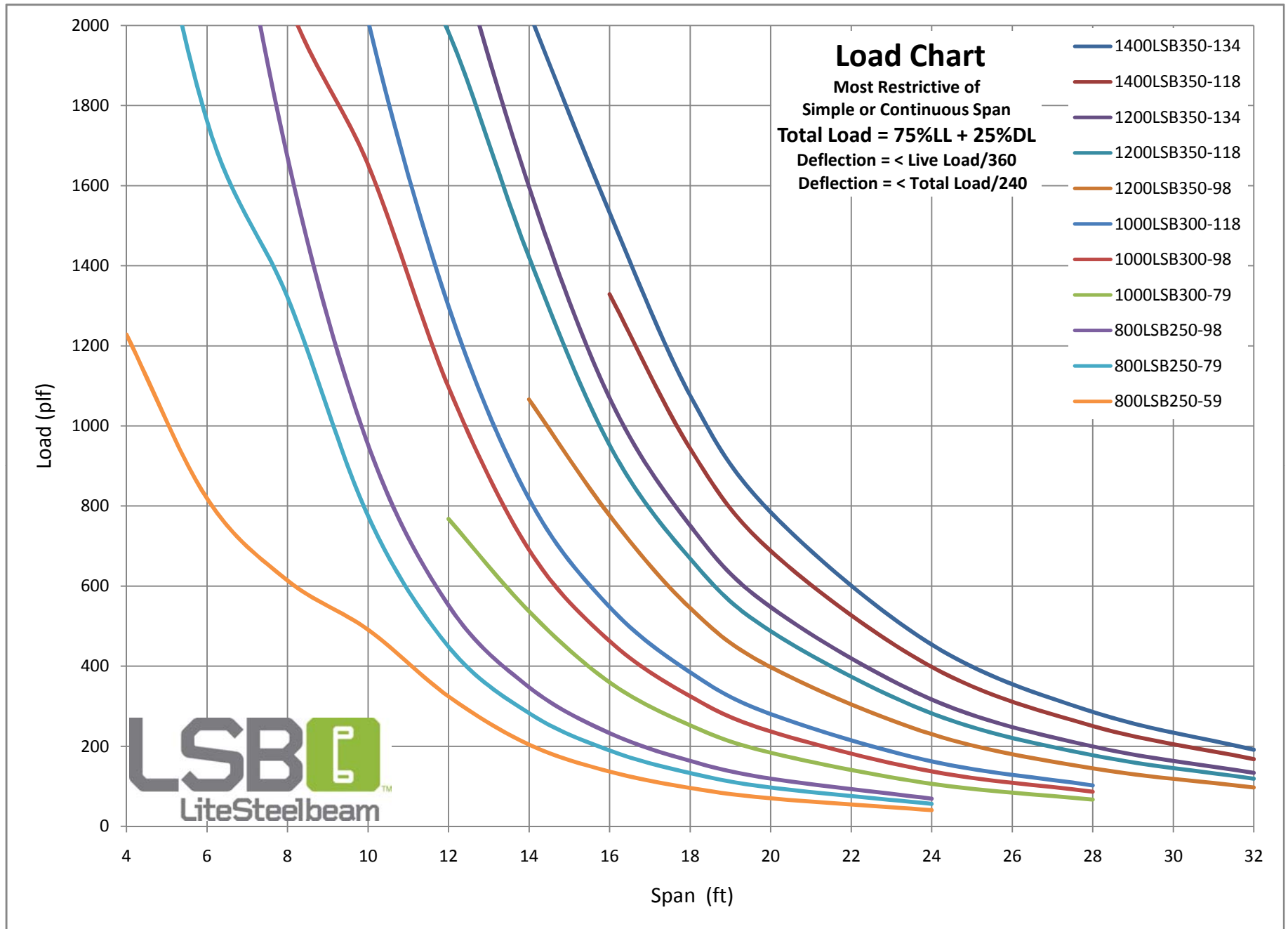
1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..

<b>Total Load (lbs/ft) Most Restrictive Simple Beam or Continuous Span</b>												
<b>Beam Size</b>	<b>Total Load = 75%LL + 25%DL</b>											
	<b>Deflection = &lt; Live Load/480    Deflection = &lt; Total Load/240</b>											
	<b>Beam Span, Feet</b>											
	<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>28</b>	<b>32</b>
1400LSB350-134	7649	5099	3824	3059	2550	1716	1150	807	589	341	215	144
1400LSB350-118	5314	3543	2657	2126	1771	1504	1008	708	516	299	188	126
1400LSB350-98	3074	2049	1537	1230	1025	878	768	576	420	243	153	102
1200LSB350-134	7649	5099	3824	3059	1902	1198	802	563	411	238	150	
1200LSB350-118	5950	3967	2975	2380	1692	1066	714	501	366	212	133	
1200LSB350-98	3731	2487	1865	1492	1244	869	582	409	298	173	109	
1000LSB300-118	5950	3967	2975	1683	974	613	411	289	210	122		
1000LSB300-98	4130	2754	2065	1421	822	518	347	244	178	103		
1000LSB300-79	2302	1535	1151	921	639	403	270	189	138	80		
800LSB250-98	4130	2754	1397	715	414	261	175	123	89			
800LSB250-79	2642	1761	1136	582	337	212	142	100	73			
800LSB250-59	1228	819	614	420	243	153	103	72	53			

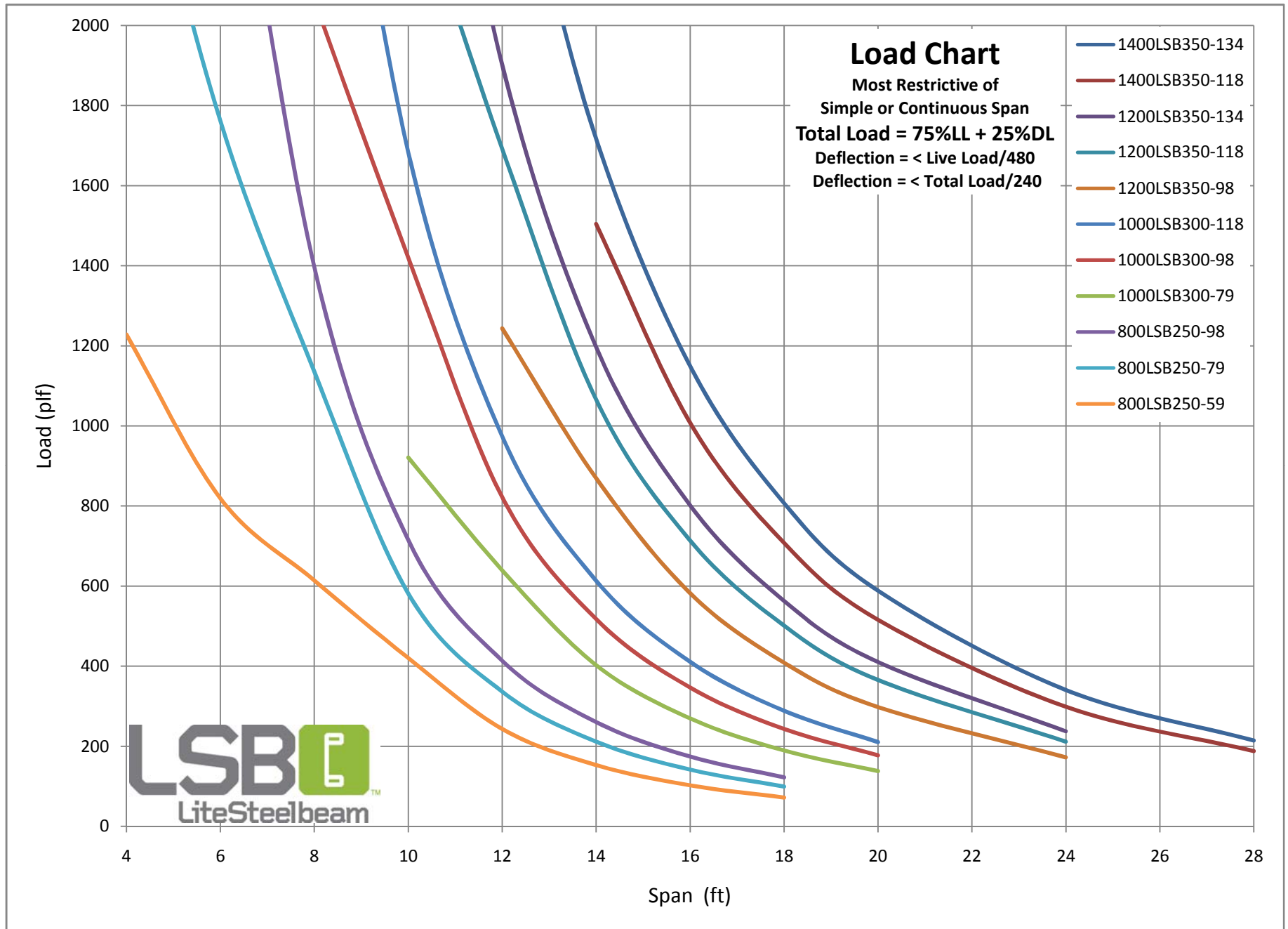
Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/480 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..





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2. Deflection Limit: L/480 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..

Simple Beam - Total Load (lbs/ft)												
Beam Size	Total Load = 75%LL + 25%DL											
	Deflection = < Live Load/360						Deflection = < Total Load/240					
	Beam Span, Feet											
	4	6	8	10	12	14	16	18	20	24	28	32
1400LSB350-134	9710	6473	4855	3884	2767	2033	1533	1077	785	454	286	192
1400LSB350-118	6747	4498	3373	2699	2249	1755	1344	944	688	398	251	168
1400LSB350-98	3902	2602	1951	1561	1301	1115	976	768	560	324	204	137
1200LSB350-134	9710	6473	4855	3276	2275	1597	1070	751	548	317	200	134
1200LSB350-118	7554	5036	3777	2915	2025	1421	952	669	487	282	178	119
1200LSB350-98	4737	3158	2368	1895	1579	1159	777	545	398	230	145	97
1000LSB300-118	7554	5036	3146	2013	1299	818	548	385	281	162	102	68
1000LSB300-98	5244	3496	2622	1700	1096	690	463	325	237	137	86	58
1000LSB300-79	2923	1948	1461	1169	852	537	360	253	184	107	67	45
800LSB250-98	5244	2970	1671	953	552	347	233	163	119	69	43	29
800LSB250-79	3354	2236	1359	775	449	283	189	133	97	56	35	24
800LSB250-59	1559	1040	780	560	324	204	137	96	70	41	26	17

Notes:

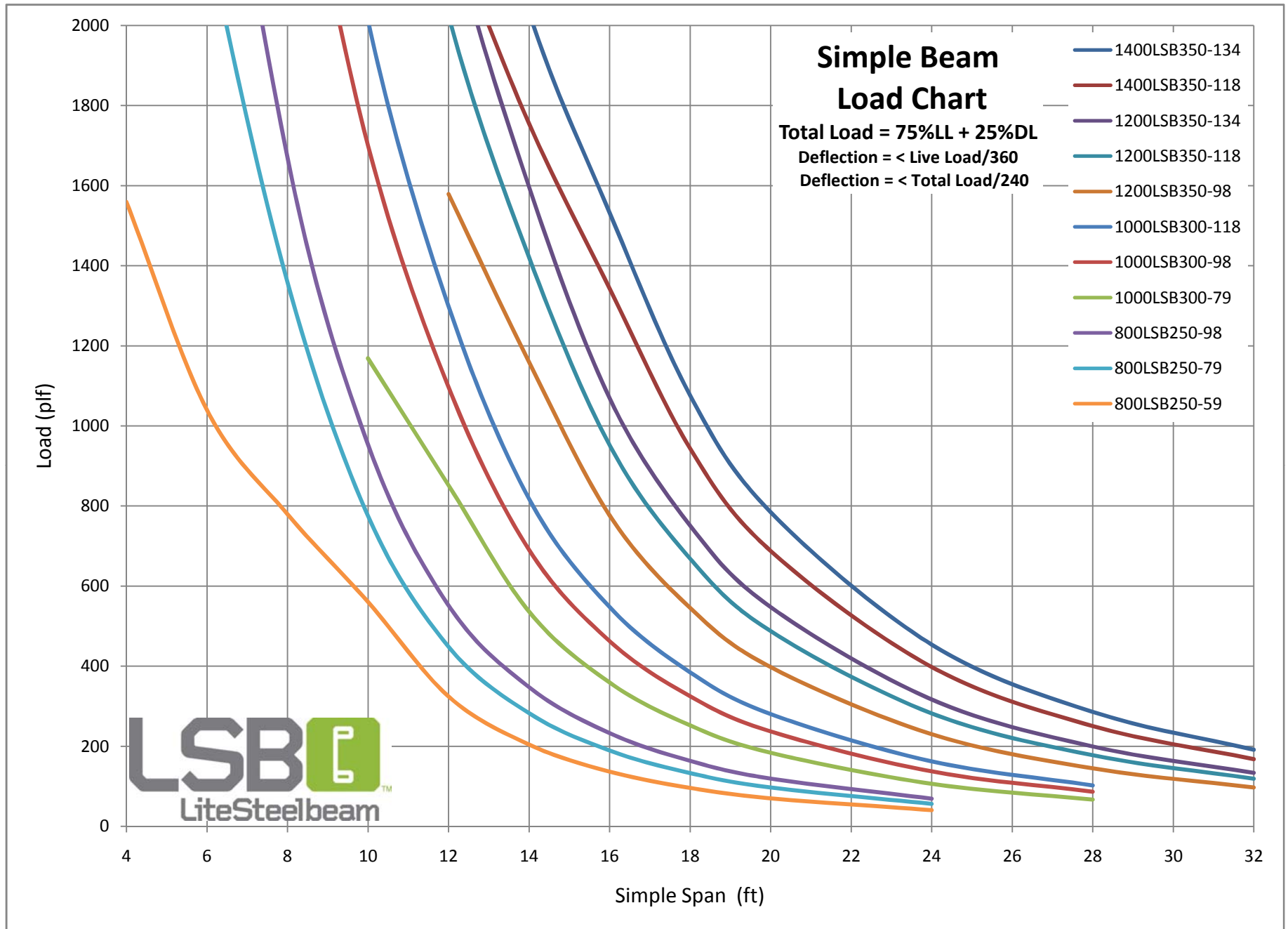
1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..

Simple Beam - Total Load (lbs/ft)												
Beam Size	Total Load = 75%LL + 25%DL											
	Deflection = < Live Load/480						Deflection = < Total Load/240					
	Beam Span, Feet											
	4	6	8	10	12	14	16	18	20	24	28	32
1400LSB350-134	9710	6473	4855	3884	2725	1716	1150	807	589	341	215	144
1400LSB350-118	6747	4498	3373	2699	2249	1504	1008	708	516	299	188	126
1400LSB350-98	3902	2602	1951	1561	1301	1115	820	576	420	243	153	102
1200LSB350-134	9710	6473	4855	3276	1902	1198	802	563	411	238	150	100
1200LSB350-118	7554	5036	3777	2915	1692	1066	714	501	366	212	133	89
1200LSB350-98	4737	3158	2368	1895	1381	869	582	409	298	173	109	73
1000LSB300-118	7554	5036	3146	1683	974	613	411	289	210	122	77	51
1000LSB300-98	5244	3496	2622	1421	822	518	347	244	178	103	65	43
1000LSB300-79	2923	1948	1461	1104	639	403	270	189	138	80	50	34
800LSB250-98	5244	2970	1397	715	414	261	175	123	89	52	33	22
800LSB250-79	3354	2236	1136	582	337	212	142	100	73	42	26	18
800LSB250-59	1559	1040	780	420	243	153	103	72	53	30	19	13

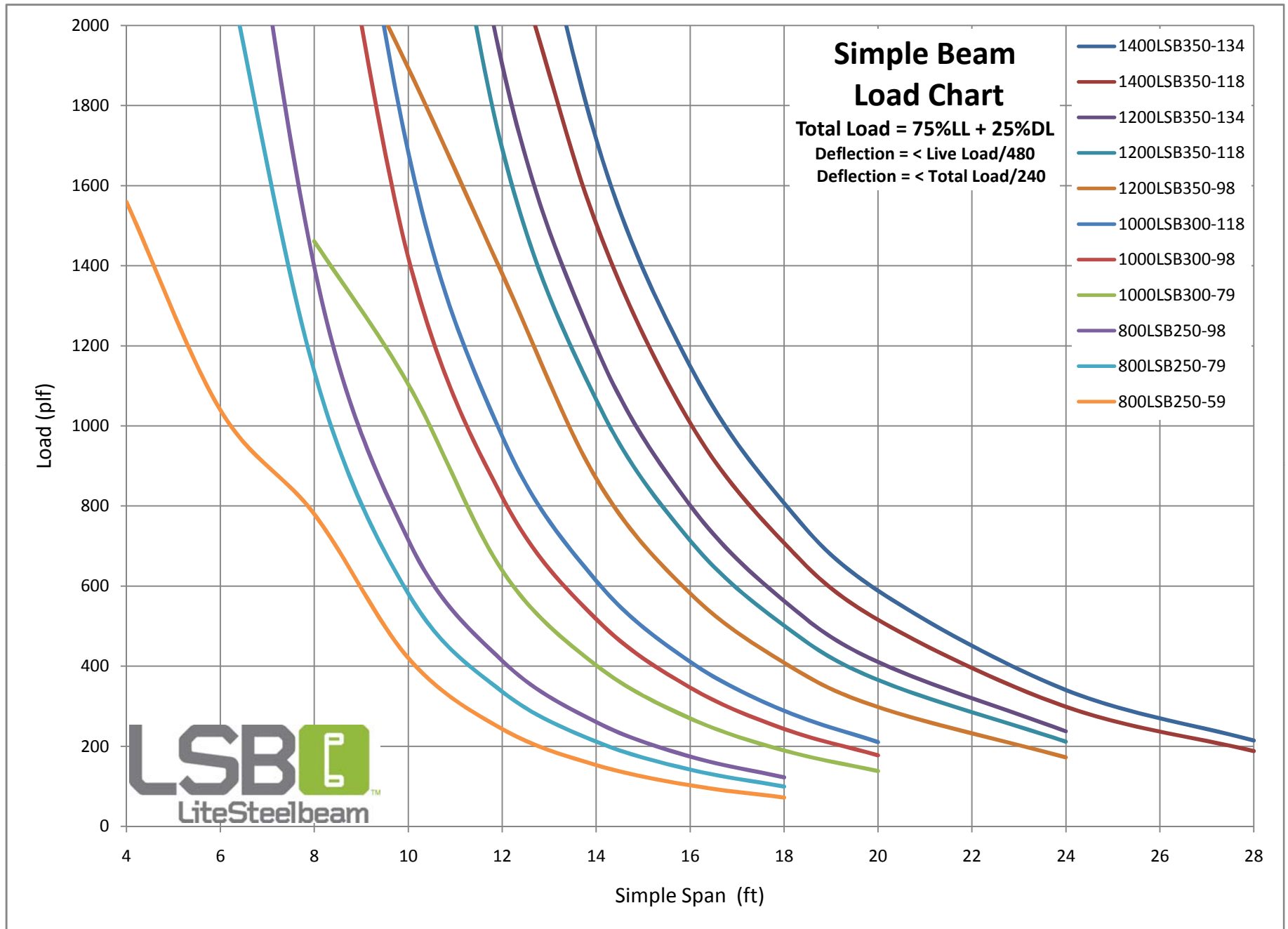
Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/480 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..





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1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit:  $L/480$  for live loads and  $L/240$  for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..

Continuous Beam - Total Load (lbs/ft)												
Beam Size	Total Load = 75%LL + 25%DL											
	Deflection = < Live Load/360						Deflection = < Total Load/240					
	Beam Span, Feet											
	4	6	8	10	12	14	16	18	20	24	28	32
1400LSB350-134	7649	5099	3824	3059	2550	2185	1912	1524	1111	643	405	271
1400LSB350-118	5314	3543	2657	2126	1771	1518	1329	1181	974	564	355	238
1400LSB350-98	3074	2049	1537	1230	1025	878	768	683	615	458	289	193
1200LSB350-134	7649	5099	3824	3059	2550	2183	1514	1063	775	449	282	189
1200LSB350-118	5950	3967	2975	2380	1983	1700	1347	946	690	399	251	168
1200LSB350-98	3731	2487	1865	1492	1244	1066	933	772	563	326	205	137
1000LSB300-118	5950	3967	2975	2380	1826	1158	775	545	397	230	145	97
1000LSB300-98	4130	2754	2065	1652	1377	977	655	460	335	194	122	82
1000LSB300-79	2302	1535	1151	921	767	658	509	357	261	151	95	64
800LSB250-98	4130	2754	2065	1349	781	492	329	231	169	98	61	41
800LSB250-79	2642	1761	1321	1057	635	400	268	188	137	79	50	33
800LSB250-59	1228	819	614	491	409	289	194	136	99	57	36	24

Notes:

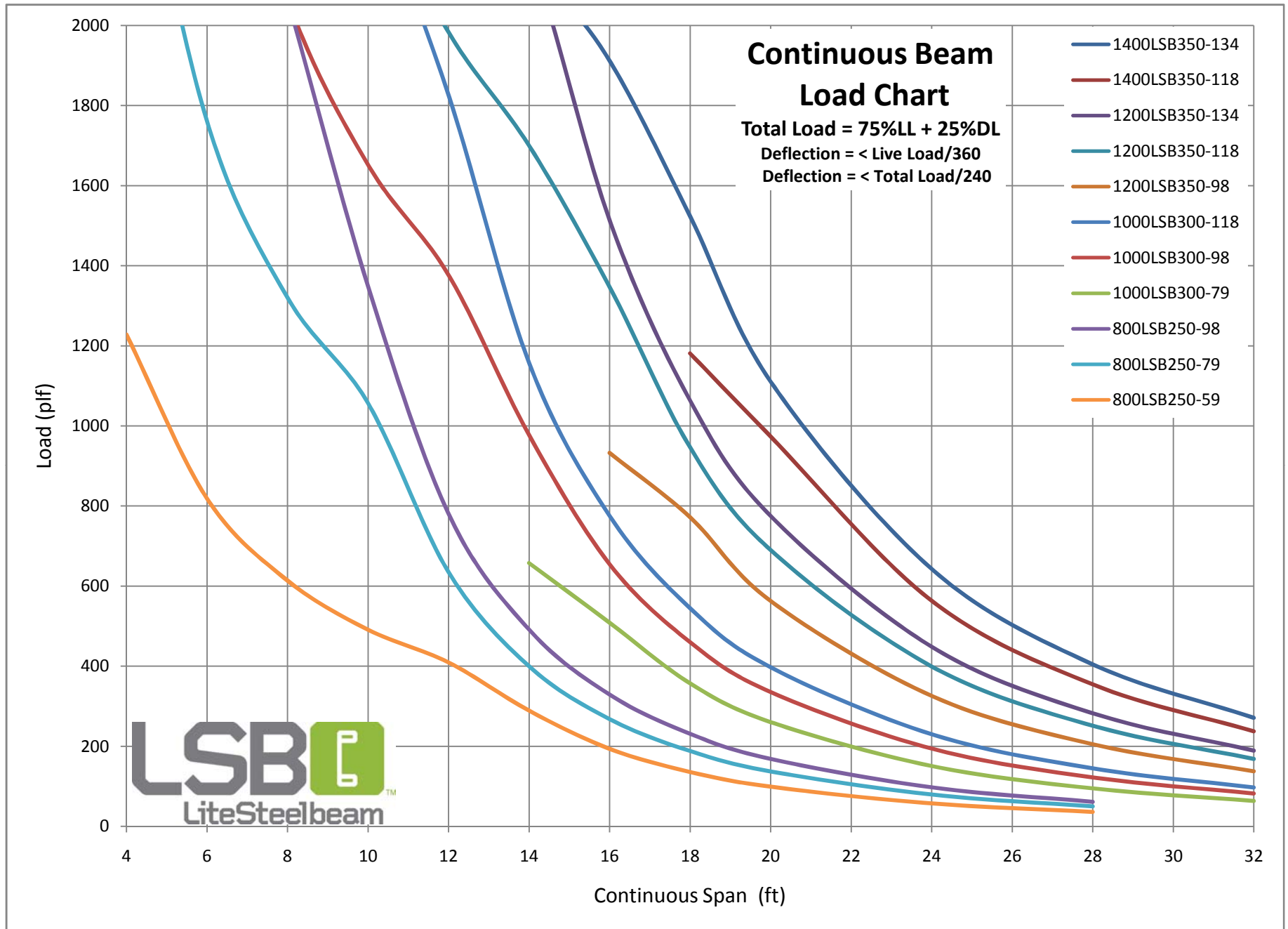
1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/360 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..

Continuous Beam - Total Load (lbs/ft)												
Beam Size	Total Load = 75%LL + 25%DL											
	Deflection = < Live Load/480						Deflection = < Total Load/240					
	Beam Span, Feet											
	4	6	8	10	12	14	16	18	20	24	28	32
1400LSB350-134	7649	5099	3824	3059	2550	2185	1627	1143	833	482	304	203
1400LSB350-118	5314	3543	2657	2126	1771	1518	1329	1002	730	423	266	178
1400LSB350-98	3074	2049	1537	1230	1025	878	768	683	594	344	216	145
1200LSB350-134	7649	5099	3824	3059	2550	1695	1135	797	581	336	212	142
1200LSB350-118	5950	3967	2975	2380	1983	1508	1010	710	517	299	189	126
1200LSB350-98	3731	2487	1865	1492	1244	1066	824	579	422	244	154	103
1000LSB300-118	5950	3967	2975	2380	1379	868	582	408	298	172	109	73
1000LSB300-98	4130	2754	2065	1652	1164	733	491	345	251	145	92	61
1000LSB300-79	2302	1535	1151	921	767	570	382	268	195	113	71	48
800LSB250-98	4130	2754	1977	1012	586	369	247	174	126	73	46	31
800LSB250-79	2642	1761	1321	823	476	300	201	141	103	60	37	25
800LSB250-59	1228	819	614	491	344	217	145	102	74	43	27	18

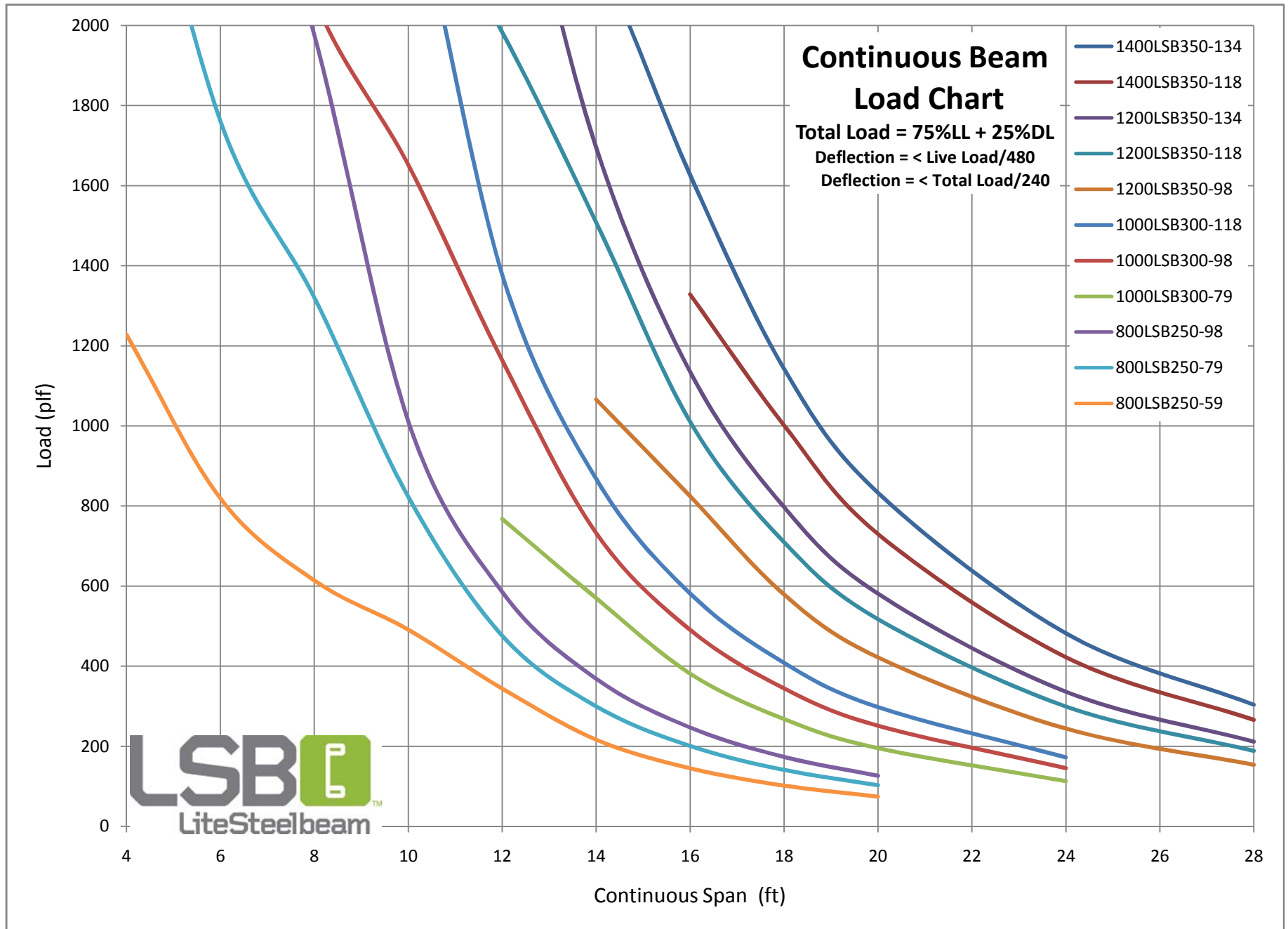
Notes:

1. Yield strength shall be a minimum of 50 ksi.
2. Deflection Limit: L/480 for live loads and L/240 for total loads
3. Web stiffeners are required at each end, otherwise web crippling shall be checked..





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3. Web stiffeners are required at each end, otherwise web crippling shall be checked..



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2. Deflection Limit: L/480 for live loads and L/240 for total loads
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