Table 1 (a)

Effective Section Properties

LiteSteel beam

ID	wt/ft	Yield Stress: Flange F_{yf}	Yield Stress: Web F_{yw}	Axial Compression: Effective Area A_e	Axial Compression: Coord. of Centroid x_c	about x-axis: I_{ex}	about x-axis: S_{ex}	about y-axis: I_{eyL}	about y-axis: S_{eyL}	about y-axis: I_{eyR}	about y-axis: S_{eyR}
	lb	ksi	ksi	in^2	in	in^4	in^3	in^4	in^3	in^4	in^3
1400LSB350-134	13.0	60.0	50.0	2.98	0.981	108	15.7	4.79	2.10	5.43	2.22
1400LSB350-118	11.5	60.0	50.0	2.57	0.991	96.0	13.9	4.20	1.88	4.90	2.00
1400LSB350-98	9.65	60.0	50.0	2.08	0.998	79.7	11.5	3.45	1.58	4.19	1.71
1200LSB350-134	12.1	60.0	50.0	2.96	1.05	74.7	12.6	4.69	2.08	5.16	2.17
1200LSB350-118	10.7	60.0	50.0	2.56	1.06	66.5	11.3	4.12	1.86	4.65	1.96
1200LSB350-98	8.99	60.0	50.0	2.08	1.07	55.2	9.28	3.39	1.57	3.98	1.68
1000LSB300-118	8.88	60.0	50.0	2.22	0.890	38.2	7.76	2.47	1.30	2.69	1.34
1000LSB300-98	7.47	60.0	50.0	1.80	0.903	32.2	6.54	2.05	1.10	2.31	1.16
1000LSB300-79	6.10	60.0	50.0	1.38	0.909	25.8	5.17	1.63	0.899	1.92	0.964
800LSB250-98	5.89	60.0	50.0	1.48	0.710	16.2	4.10	1.05	0.685	1.13	0.707
800LSB250-79	4.82	60.0	50.0	1.16	0.723	13.3	3.37	0.846	0.566	0.951	0.595
800LSB250-59	3.67	60.0	50.0	0.804	0.726	9.76	2.43	0.622	0.432	0.741	0.465

US 50ksi steel REV 42.01

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