

Table 1																			
Gross Section Properties																			
LiteSteel beam																			
Dimensions									Properties of Full Section										
ID	d	b	d <sub>f</sub>	t	R <sub>O</sub>	R <sub>iw</sub>	Area	wt/ft	Axis x-x			Axis y-y				m	G J <sub>F</sub>	J	C <sub>w</sub>
	in	in	in	in	in	in	in <sup>2</sup>	lb	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>				
1400LSB350-134	13.8	3.50	1.05	0.134	0.268	0.134	3.78	13.0	108	15.7	5.34	5.43	5.19	2.22	1.20	1.32	6830	1.22	160
1400LSB350-118	13.8	3.50	1.05	0.118	0.236	0.118	3.35	11.5	96.0	13.9	5.35	4.90	4.67	2.00	1.21	1.32	6237	1.11	144
1400LSB350-98	13.8	3.50	1.05	0.0980	0.196	0.118	2.81	9.65	80.7	11.7	5.36	4.19	3.98	1.71	1.22	1.32	5436	0.964	124
1200LSB350-134	11.8	3.50	1.05	0.134	0.268	0.134	3.52	12.1	74.7	12.6	4.61	5.16	4.60	2.17	1.21	1.37	6830	1.22	112
1200LSB350-118	11.8	3.50	1.05	0.118	0.236	0.118	3.12	10.7	66.5	11.3	4.62	4.65	4.14	1.96	1.22	1.37	6237	1.11	101
1200LSB350-98	11.8	3.50	1.05	0.0980	0.196	0.118	2.62	8.99	55.9	9.47	4.62	3.98	3.53	1.68	1.23	1.37	5436	0.963	86.1
1000LSB300-118	9.84	2.95	0.885	0.118	0.236	0.118	2.59	8.88	38.2	7.76	3.84	2.69	2.83	1.34	1.02	1.15	3554	0.634	40.3
1000LSB300-98	9.84	2.95	0.885	0.0980	0.196	0.118	2.17	7.47	32.2	6.54	3.85	2.31	2.43	1.16	1.03	1.16	3119	0.555	34.7
1000LSB300-79	9.84	2.95	0.885	0.0790	0.158	0.118	1.77	6.10	26.3	5.35	3.86	1.92	2.01	0.964	1.04	1.16	2645	0.469	28.9
800LSB250-98	7.87	2.36	0.708	0.0980	0.196	0.118	1.72	5.89	16.2	4.10	3.07	1.13	1.49	0.707	0.812	0.927	1491	0.266	10.9
800LSB250-79	7.87	2.36	0.708	0.0790	0.158	0.118	1.40	4.82	13.3	3.37	3.08	0.951	1.25	0.595	0.824	0.928	1286	0.229	9.13
800LSB250-59	7.87	2.36	0.708	0.0590	0.118	0.118	1.06	3.67	10.1	2.57	3.09	0.741	0.968	0.465	0.836	0.930	1024	0.182	7.12

US 50ksi steel

US Imperial (Launch 2008)

REV 42.01

26-Jul-06