

**Table 2**

**Design Flexural and Shear Strengths**

**LiteSteel beam**

ID	Wt. per ft.	Design Flexural Strengths			Design Shear Strengths	
	lb/ft	$\phi_b M_{nxo}$ kip ft	$\phi_b M_{nyL}$ kip ft	$\phi_b M_{nyR}$ kip ft	$\phi_v V_{nx}$ kip	$\phi_v V_{ny}$ 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

US 50ksi steel

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