

Table 2						
Design Flexural and Shear Strengths						
LiteSteel beam						
ID	Wt. per ft.	Design Flexural Strengths			Design Shear Strengths	
		$\phi_b M_{nx}$	$\phi_b M_{nyL}$	$\phi_b M_{nyR}$	$\phi_v V_{nx}$	$\phi_v V_{ny}$
	lb/ft	kip ft	kip ft	kip ft	kip	kip
1400LSB350-134	13.0	74.4	9.99	10.5	28.5	54.3
1400LSB350-118	11.5	66.2	8.91	9.50	19.4	48.9
1400LSB350-98	9.65	54.5	7.50	8.13	11.1	41.5
1200LSB350-134	12.1	60.1	9.90	10.3	28.7	54.3
1200LSB350-118	10.7	53.5	8.83	9.30	22.3	48.9
1200LSB350-98	8.99	44.1	7.44	7.96	13.4	41.5
1000LSB300-118	8.88	36.8	6.15	6.37	22.3	40.0
1000LSB300-98	7.47	31.1	5.22	5.49	15.4	34.2
1000LSB300-79	6.10	24.6	4.27	4.58	8.51	28.3
800LSB250-98	5.89	19.5	3.25	3.36	15.4	26.2
800LSB250-79	4.82	16.0	2.69	2.83	9.98	21.9
800LSB250-59	3.67	11.5	2.05	2.21	4.47	16.9

US 50ksi steel

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US Imperial (Launch 2008)

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