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	Balanced,	Overreir	nforced,	and ENCE 454 ©A	ssakkaf
	Underreinforced Beams				
Table 1. ASTM Standard - English Reinforcing Bar					
	Bar Designation	Diameter in	Area in ²	Weight Ib/ft	
1448	#3 [#10]	0.375	0.11	0.376	
	#4 [#13]	0.500	0.20	0.668	
	#5 [#16]	0.625	0.31	1.043	
	#6 [#19]	0.750	0.44	1.502	
	#7 [#22]	0.875	0.60	2.044	
	#8 [#25]	1.000	0.79	2.670	Λ
	#9 [#29]	1.128	1.00	3.400	
	#10 [#32]	1.270	1.27	4.303	
	#11 [#36]	1.410	1.56	5.313	
	#14 [#43]	1.693	2.25	7.650	
	#18 [#57]	2.257	4.00	13.60	
(terres	Note: Metric des	ignations are in bra	ackets		







