

FIGURE 10 - 1

Bar Size Designation	Nominal Diameter (in)	Weight (lb/ft)	Cross Section Area (sq in)	Perimeter (in)	AREA OF STEEL (sq in) PER FOOT WHEN SPACED AS FOLLOWS:																	
					3.0 in	4.0 in	4.5 in	5.0 in	5.5 in	6.0 in	6.5 in	7.0 in	7.5 in	8.0 in	8.5 in	9.0 in	9.5 in	10.0 in	10.5 in	11.0 in	11.5 in	12.0 in
#3	0.375	0.376	0.11	1.178	0.44	0.33	0.29	0.26	0.24	0.22	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.11
#4	0.500	0.668	0.20	1.571	0.80	0.60	0.53	0.48	0.44	0.40	0.37	0.34	0.32	0.30	0.28	0.27	0.25	0.24	0.23	0.22	0.21	0.20
#5	0.625	1.043	0.31	1.963	1.24	0.93	0.83	0.74	0.68	0.62	0.57	0.53	0.50	0.47	0.44	0.41	0.39	0.37	0.35	0.34	0.32	0.31
#6	0.750	1.502	0.44	2.356	1.76	1.32	1.17	1.06	0.96	0.88	0.81	0.75	0.70	0.66	0.62	0.59	0.56	0.53	0.50	0.48	0.46	0.44
#7	0.875	2.044	0.60	2.749	2.40	1.80	1.60	1.44	1.31	1.20	1.11	1.03	0.96	0.90	0.85	0.80	0.76	0.72	0.69	0.65	0.63	0.60
#8	1.000	2.670	0.79	3.142	3.16	2.37	2.11	1.90	1.72	1.58	1.46	1.35	1.26	1.19	1.12	1.05	1.00	0.95	0.90	0.86	0.82	0.79
#9	1.128	3.400	1.00	3.544	4.00	3.00	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00
#10	1.270	4.303	1.27	3.990	5.08	3.81	3.39	3.05	2.77	2.54	2.34	2.18	2.03	1.91	1.79	1.69	1.60	1.52	1.45	1.39	1.33	1.27
#11	1.410	5.313	1.56	4.430	6.24	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.50	2.34	2.20	2.08	1.97	1.87	1.78	1.70	1.63	1.56

AREAS, WEIGHTS AND SPACING OF BARS
COMMERCIAL SIZES