


REINFORCEMENT BARS - ENGLISH																	
Size	Dia. ins. mm	Area Sq. in. mm ²	Weight per ft. lbs.	SPACING, inches													
				4	4½	5	5½	6	6½	7	7½	8	8½	9	10	11	12
				AREAS PER ONE FOOT SECTION													
3	0.375 9.525	0.1104 71.260	0.376	0.330	0.290	0.270	0.240	0.220	0.200	0.190	0.180	0.170	0.160	0.150	0.130	0.120	0.110
4	0.500 12.700	0.1963 126.68	0.668	0.590	0.520	0.470	0.430	0.390	0.360	0.340	0.310	0.290	0.280	0.260	0.240	0.210	0.200
5	0.625 15.875	0.3068 197.93	1.043	0.920	0.820	0.740	0.670	0.610	0.570	0.530	0.490	0.460	0.430	0.410	0.370	0.330	0.310
6	0.750 19.050	0.4418 285.02	1.502	1.320	1.180	1.060	0.960	0.880	0.820	0.760	0.710	0.660	0.620	0.590	0.530	0.480	0.440
7	0.875 22.225	0.6013 387.95	2.044	1.800	1.600	1.440	1.310	1.200	1.110	1.030	0.960	0.900	0.850	0.800	0.720	0.660	0.600
8	1.000 25.400	0.7854 506.71	2.670	2.360	2.090	1.880	1.710	1.570	1.450	1.350	1.260	1.180	1.110	1.050	0.940	0.860	0.790
9	1.128 28.650	1.0000 644.67	3.400	3.000	2.670	2.400	2.180	2.000	1.850	1.710	1.600	1.500	1.410	1.330	1.200	1.090	1.000
10	1.270 32.260	1.2667 817.37	4.303	3.800	3.380	3.040	2.760	2.530	2.340	2.170	2.030	1.900	1.790	1.690	1.520	1.380	1.270
11	1.410 35.815	1.5615 1007.44	5.313	4.690	4.170	3.750	3.410	3.130	2.890	2.680	2.500	2.340	2.210	2.080	1.870	1.700	1.560

REINFORCEMENT BARS - METRIC																		
Size	Dia. mm	Area mm ²	Weight per meter kg	SPACING, mm														
				100	110	120	130	140	150	160	170	180	190	200	225	250	275	300
				AREAS PER ONE METER SECTION														
10	11.3	100	0.785	1000	910	830	770	710	670	630	590	560	530	500	440	400	360	330
15	16	200	1.570	2000	1820	1670	1540	1430	1330	1250	1180	1110	1050	1000	890	800	730	670
20	19.5	300	2.355	3000	2730	2500	2310	2140	2000	1880	1760	1670	1580	1500	1330	1200	1090	1000
25	25.2	500	3.925	5000	4550	4170	3850	3570	3330	3130	2940	2780	2630	2500	2220	2000	1820	1670
30	29.9	700	5.495	7000	6360	5830	5380	5000	4670	4380	4120	3890	3680	3500	3110	2800	2550	2330
35	35.7	1000	7.85	10000	9090	8330	7690	7140	6670	6250	5980	5660	5260	5000	4440	4000	3640	3330
45	43.7	1500	11.775	15000	13640	12500	11540	10710	10000	9380	8820	8330	7890	7500	6670	6000	5450	5000
55	56.4	2500	19.625	25000	22730	20830	19230	17860	16670	15630	14710	13890	13160	12500	11110	10000	9090	8330

 Illinois Department of Transportation
 PASSED January 1, 1997
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 1997
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-97	New Standard.

**AREAS OF
REINFORCEMENT REBARS**

STANDARD 001001