

TABLE 4: 800 Series — Factored Moment Capacities* (in-lbs/ft width of wall) — Reinforced Sections 2 Rebar

Bar Size	Concrete Compressive Strength, f'_c psi				
	3,000	3,500	4,000	4,500	5,000
No. 4	64,500	65,900	66,800	67,500	68,000
No. 5	86,100	88,900	91,000	92,600	93,900
No. 6	104,500	112,000	116,000	118,900	121,300
No. 7	113,800	127,000	138,200	146,600	151,500
No. 8	119,700	135,100	149,300	162,000	173,100
No. 9	124,600	141,100	156,700	171,300	184,900
No. 10	129,900	147,400	164,000	179,900	195,000
No. 11	135,000	153,100	170,600	187,200	203,200
No. 14	146,500	165,900	184,600	202,700	220,100

*As stated on page 1, the reported ultimate (factored) moment capacities were computed by multiplying the nominal moment capacity by a strength reduction factor of 0.65.

TABLE 5: 800 Series — Bending Stiffness (lb-in²/ ft width of wall) — Reinforced Sections 2 Rebar

Bar Size	Concrete Compressive Strength, f'_c psi				
	3,000	3,500	4,000	4,500	5,000
No. 4	109,000,000	112,300,000	115,000,000	117,400,000	119,400,000
No. 5	136,700,000	142,000,000	146,400,000	150,100,000	153,300,000
No. 6	162,800,000	169,800,000	176,200,000	181,600,000	186,400,000
No. 7	192,600,000	200,300,000	207,400,000	214,100,000	220,600,000
No. 8	222,700,000	231,800,000	240,100,000	247,700,000	254,800,000
No. 9	250,500,000	261,500,000	271,200,000	280,100,000	288,200,000
No. 10	281,200,000	294,400,000	306,100,000	316,500,000	326,200,000
No. 11	309,000,000	324,200,000	337,800,000	350,100,000	361,200,000
No. 14	363,300,000	382,800,000	400,300,000	416,100,000	430,600,000

TABLE 6: 800 Series — Factored Shear Capacity/ft width* — Reinforced Sections 2 Rebar

$V_c + V_F$	Concrete Compressive Strength, f'_c psi				
	3,000	3,500	4,000	4,500	5,000
lb/ft	8,000	8,260	8,510	8,740	8,950

*As stated on page 1, the reported factored shear capacities were computed by multiplying the nominal shear capacity by a strength reduction factor of 0.75.

800 Series — Rebar Placement — Reinforced Sections 2 Rebar

