

TABLE 1: 800 Series — Factored Moment Capacities* (in-lbs/ft width of wall) — Reinforced Sections 1 Rebar

Bar Size	Concrete Compressive Strength, f'_c psi				
	3,000	3,500	4,000	4,500	5,000
No. 4	41,300	42,500	43,400	44,200	44,700
No. 5	43,100	44,600	45,600	46,400	47,100
No. 6	52,300	56,100	58,100	59,600	60,800
No. 7	56,900	63,500	69,100	73,400	75,800
No. 8	59,800	67,600	74,700	81,000	86,600
No. 9	62,300	70,500	78,300	85,600	92,400
No. 10	65,000	73,800	82,000	89,900	97,500
No. 11	67,500	76,800	85,300	93,600	101,600
No. 14	73,200	82,900	92,300	101,400	110,000

*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 2: 800 Series — Bending Stiffness (lb-in²/ft width of wall) — Reinforced Sections 1 Rebar

Bar Size	Concrete Compressive Strength, f'_c psi				
	3,000	3,500	4,000	4,500	5,000
No. 4	64,920,000	67,370,000	69,380,000	71,080,000	72,560,000
No. 5	68,430,000	71,100,000	73,310,000	75,170,000	76,790,000
No. 6	81,460,000	84,950,000	88,160,000	90,900,000	93,280,000
No. 7	96,350,000	100,210,000	103,770,000	107,100,000	110,350,000
No. 8	111,380,000	115,960,000	120,110,000	123,910,000	127,450,000
No. 9	125,280,000	130,780,000	135,620,000	140,090,000	144,140,000
No. 10	140,620,000	147,160,000	153,050,000	158,290,000	163,130,000
No. 11	154,500,000	162,020,000	168,900,000	175,050,000	180,630,000
No. 14	181,660,000	191,420,000	200,140,000	208,040,000	215,310,000

TABLE 3: 800 Series — Factored Shear Capacity/ft width* — Reinforced Sections 1 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 1 Rebar

