SPECIAL SECTIONS

(Extended, square ends, etc.)

MEMBER 9

Slope = 1.162 V_x = 17,920 lbs. f_y = 50,000 psi

ℓ = 29.5 in. f_s = 36,000 psi

Req'd. Area = .695 sq.in. Use 2 - 1.14"ø Area 2.04 sq.in

MEMBER 10

Slope = 1.00 V_x = 59,830 lbs. f_y = 50,000 psi

ℓ = 25.5 in. f_s = 36,000 psi

Req'd. Area = 3.55 sq.in. Use 2 - 1.14"ø / 2 - 1.11"ø Area 4.08 sq.in.

MEMBER 11

Slope = 1.162 V_x = 56,700 lbs. f_y = 50,000 psi

f_s = 36,000 psi

Req'd. Area = 2.20 sq.in. Use 2 - 1.14"ø / 2 - 0.75"ø Area 2.92 sq.in.