WEB MEMBER #4 Distance from End Panel = 5.00 ft. End

Applicable Shear V_x = 6,529 lbs. f_y = 50,000 psi

Slope = 1.162 f_s = _____ psi

ℓ = 300 in. f_{sc} = 7,970 psi

Reqd. Area = .762 sq. in. Use 98"D Area = .755 sq. in.

WEB MEMBER #5 Distance from End Panel = 2.00 ft.

Applicable Shear V_x = 7,456 lbs. f_y = 36,000 psi

Slope = 1.50 f_s = 22,000 psi

ℓ = _____ in f_{sc} = _____ psi

Reqd. Area = .509 sq. in. Use .92"D Area = .467 sq.in.

CHORD MEMBER #6 Consists of 2 L's 2 x 1½ x .25" Angles

Construction Load Design Area = 1.80 sq. in.

Applicable Moment = _____ in. lbs. f_y = _____ psi

ℓ = _____ in. f_s = _____ psi

r_x = _____ in. f_{sc} = _____ psi

r_z = _____ in. (with fillers in middle 60% of span)

$\frac{\ell}{r_x}$ = _____

$\frac{\ell}{2r_z}$ = _____ $\frac{f_a}{F_a} + \frac{f_b\ C_m}{F_b\left(1 - \frac{f_a}{F'_e}\right)}$ = _____ less than 1

f_a = _____ psi

F_a = _____ psi

f_b = _____ psi

F_b = _____ psi

F'_e = _____ psi

Use _____ Area = _____ sq. in.

CHORD MEMBER #7 Consists of 2 L's 2 x 1½ x .25" Angles

Total Load Design Area = 1.80 sq. in.