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

Applicable Shear V_x = 6,327 lbs. f_y = 50,000 psi

Slope = 1.162 f_s = _____ psi

l = 30.0 in. f_{sc} = 9,970 psi

Reqd. Area = .762 sq. in. Use 78"S 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 = 50g in. f_{sc} = _____ psi

Reqd. Area = .509 sq. in. Use .92"S 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)

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

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