



SUBJECT

FILE

BY

BA

DATE

June 15, 2012

JOB

Cable with Point Load

(A) Cable Wt, 4 @ $a = 262'$

Load

Factor

P (8.75#)

V 1.5 0.5 -0.5 -1.5

M ϕ 1.5 20 1.5 ϕ

M ϕ 860 1146 860 ϕ

Sag ϕ 1.5 2.0

H 573

Diag. 65.5172 65.5019 $\Sigma = 131.0191$

P
Pa

1#

#

(B) Point Load

V 10 10 -10 -10

M ϕ 10 20 10 ϕ

M ϕ 655 1310 655 ϕ

20

#

#

a

1#

(C) Combined

V 25.75 14.375 -14.375 -25.75

M ϕ 1515 2456 1515 ϕ

Sag(1) 2.467 4.0 2.467

Diag(1) 65.5464 65.5179 $\Sigma = 131.0644$

H(1) 614 $\Delta H = 41$

#

Sag(2) 1.85 3.0

Diag(2) 65.5261 65.5101 $\Sigma = 131.0362$

H(2) 819 $\Delta H = 246$

Sag(3) 2.16 3.5

Diag(3) 65.5356 65.5137 $\Sigma = 131.0493$

H(3) 702 $\Delta H = 129$



CABLE PROFILE