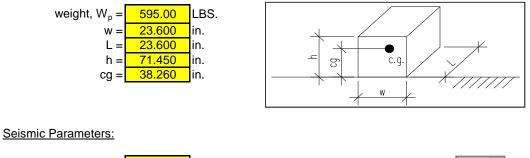
Equipment Parameters:



-		ASCE 7-05 Figure 22-1)	Site Class =	В	-
a <sub>p</sub> =	1.000	(ASCE 7-05 Table 13.6-1)			
lp =	1.000	(ASCE Table 11.5-1)	Seismic Use Group =	II	-

$R_p =$	2.500	(Default value for Anchorage per ASCE 7-05 Table 13.6-1)	
F <sub>a</sub> =	1.000	(ASCE 7-05 Table 11.4-1)	
$S_{MS} = F_a * S_s =$	1.798	(ASCE 7-05 Eqn. 11.4-1)	
$S_{DS} = 2/3^*S_{MS} =$	1.199	(ASCE 7-05 Eqn. 11.4-3)	

Seismic Design Category = D

Seismic Force:

$F_p = (0.4^*a_p^*S_{DS}^*W_p)/(R_p/I_p) =$	114.1	LBS. (ASCE 7-05 Eqn. 13.3-1)
Upper Limit: $F_{pMAX} = 1.6^*S_{DS}^*I_p^*W_p =$	1141.1	LBS. (ASCE 7-05 Eqn. 13.3-2)
Lower Bound: $F_{pMIN} = 0.3^*S_{DS}^*I_p^*W_p =$	214.0	LBS. (ASCE 7-05 Eqn. 13.3-3)
F <sub>p, DESIGN</sub> =	214.0	LBS.

2 of 2

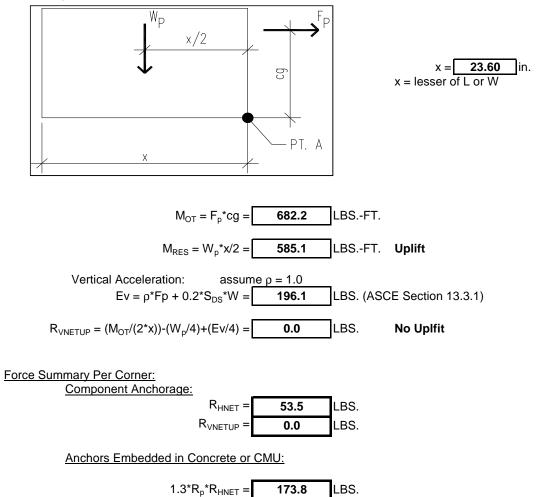
## IE2-1000 BOILER SEISMIC ANCHORAGE (ASCE 7-05)

Design Anchorage Force:

Horizontal Shear Force Per Anchor:

$$R_{\rm H} = F_{\rm p}/4 =$$
 **53.5** LBS.

Overturning Resistance About Point A:



0.0

LBS.

 $1.3^{*}R_{p}^{*}R_{VNETUP} =$