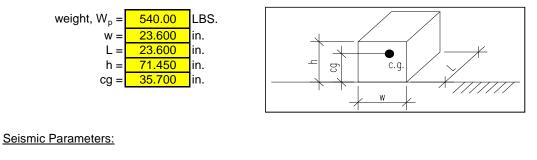
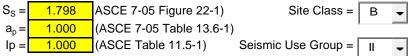
Project:	LIVERMORE, CA 94550	page:	
Date:	5/5/2015		
Engineer:	XXX		

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IE2-750 BOILER SEISMIC ANCHORAGE (ASCE 7-05) Slab on Grade Applications Only

Equipment Parameters:





$R_p =$	2.500	(Default value for Anchorage per ASCE 7-05 Table 13.6-1)
F _a =	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:

$F_p = (0.4^*a_p^*S_{DS}^*W_p)/(R_p/I_p) =$	103.6	LBS. (ASCE 7-05 Eqn. 13.3-1)
Upper Limit: $F_{pMAX} = 1.6^*S_{DS}^*I_p^*W_p =$	1035.6	LBS. (ASCE 7-05 Eqn. 13.3-2)
Lower Bound: $F_{pMIN} = 0.3^*S_{DS}^*I_p^*W_p =$	194.2	LBS. (ASCE 7-05 Eqn. 13.3-3)
F _{p, DESIGN} =	194.2	LBS.

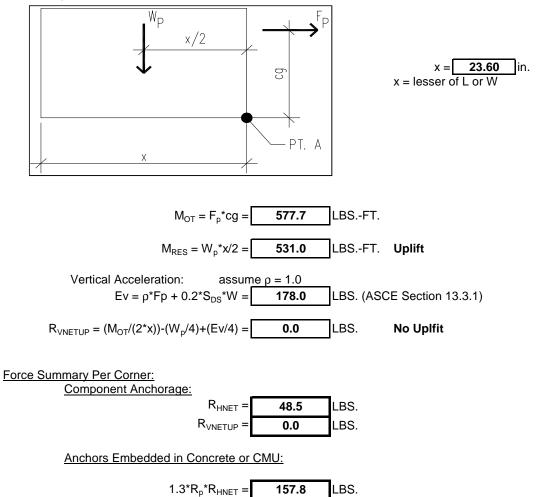
IE2-750 BOILER SEISMIC ANCHORAGE (ASCE 7-05)

Design Anchorage Force:

Horizontal Shear Force Per Anchor:

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

Overturning Resistance About Point A:



0.0

LBS.

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