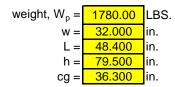
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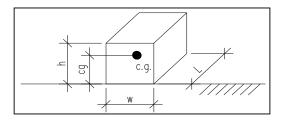
Date: 8/1/2016 Engineer: XXX

RBI FLEXCORE 1500 BOILER SEISMIC ANCHORAGE (ASCE 7-10)

Slab on Grade Applications Only

Equipment Parameters:





Seismic Parameters:

Seismic Design Category = D

Seismic Force:

Project: LIVERMORE, CA 94550

Date: 8/1/2016 Engineer: XXX

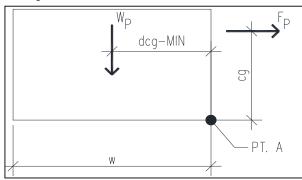
RBI FLEXCORE 1500 BOILER SEISMIC ANCHORAGE (ASCE 7-10)

Design Anchorage Force:

Horizontal Shear Force Per Anchor:

$$R_H = F_p/4 =$$
 240.0 LBS.

Overturning Resistance About Point A:



 $x = \boxed{ 32.00 } \text{in.}$ x = lesser of L or W $\text{dcg - Min=} \qquad 14.9 \qquad \text{in.}$

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$$M_{OT} = F_p^* cg =$$
 2904.4 LBS.-FT.

$$M_{RES} = W_p^* dcg - MIN =$$
 1105.1 LBS.-FT. Uplift

$$R_{VNETUP} = (M_{OT}/(2*x))-(W_p/4)+(Ev/4) =$$
 LBS. No Uplfit

Force Summary Per Corner:

Component Anchorage:

$$R_{HNET} =$$
 240.0 LBS. $R_{VNETUP} =$ 0.0 LBS.

Anchors Embedded in Concrete or CMU:

$$1.3^*R_p^*R_{HNET} =$$
 780.1 LBS.
 $1.3^*R_p^*R_{VNETUP} =$ **0.0** LBS.