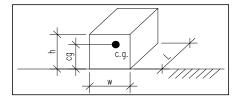
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Engineer:			
5			

RBI TORUS 0800 INDOOR - SEISMIC ANCHORAGE (ASCE 7-16/IBC 2000)

Slab on Grade Applications Only

Equipment Parameters:

weight, W _p =	468.68	LBS.
w =	25.09	in.
L =	52.12	in.
h =	40.94	in.
cg =	16.84	in.



Seismic Parameters:

S _S =	1.800	ASCE 7-16 Figure 22-1 using 84th percentile value	Site Class = D 🚽
a _p =	1.000	(ASCE 7-16 Table 13.6-1)	1
I _p =	1.500	(ASCE 7-16 Table 13.1.3)	Seismic Use Group = IV -

R _p =	1.500	(Default value for Anchorage per ASCE 7-16 13.6-1)	
F _a =	1.032	(ASCE 7-16 Table 11.4-1)	
$S_{MS} = F_a * S_s =$	1.858	(ASCE 7-16 Eqn. 11.4-1)	
$S_{DS} = 2/3*S_{MS} =$	1.239	(ASCE 7-16 Eqn. 11.4-3)	
		-	

Seismic Design Category = D

Seismic Force:

$F_p = (0.4*a_p*S_{DS}*W_p)/(R_p/I_p) =$	232.3	LBS. (ASCE 7-16 Eqn. 13.3-1)
Upper Limit: $F_{pMAX} = 1.6*S_{DS}*I_{p}*W_{p} =$	1393.6	LBS. (ASCE 7-16 Eqn. 13.3-2)
Lower Bound: $F_{pMIN} = 0.3*S_{DS}*I_p*W_p =$	261.3	LBS. (ASCE 7-16 Eqn. 13.3-3)
		- -

F_{p, DESIGN} = **261.3** LBS.

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Engineer:	BMH		

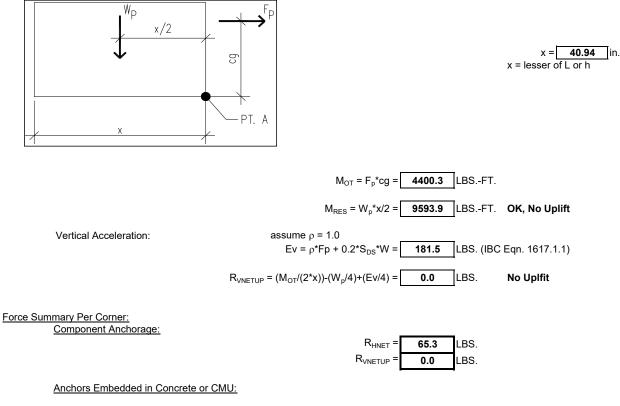
RBI TORUS 0800 INDOOR - SEISMIC ANCHORAGE (ASCE 7-16/IBC 2000)

Design Anchorage Force:

Horizontal Shear Force Per Anchor:

 $R_{\rm H} = F_{\rm p}/4 =$ **65.3** LBS.

Overturning Resistance About Point A:



$1.3^{*}R_{p}^{*}R_{HNET} =$	127.4	LBS. (IBC 1617.1.7 #2)
$1.3^{*}R_{p}^{*}R_{VNETUP} =$	0.0	LBS. (IBC 1617.1.7 #2)