Project: ENCORE Date: 09/06/22 Engineer: BMH	page: 1 of 2 AGE (ASCE 7-16/IBC 2000)
Equipment Parameters:	
weight, $W_p = 610.12$ LBS. w = 27.94 in. L = 39.31 in. h = 66.09 in. cg = 30.90 in.	C.g.
Seismic Parameters:	
$S_{s} = 1.800$ ASCE 7-16 Figure 22-1 using 84th percentile value $a_{p} = 1.000$ (ASCE 7-16 Table 13.6-1) $I_{p} = 1.500$ (ASCE 7-16 Table 13.1.3)	Site Class =
$\begin{array}{c} R_{p} = \fbox{1.500} \\ F_{a} = \fbox{1.032} \\ S_{MS} = F_{a}^{*}S_{s} = \fbox{1.858} \\ S_{DS} = 2/3^{*}S_{MS} = \fbox{1.239} \end{array} (Default value for Anchorage per ASCE 7-16 13.6-1) \\ (ASCE 7-16 Table 11.4-1) \\ (ASCE 7-16 Eqn. 11.4-1) \\ (ASCE 7-16 Eqn. 11.4-3) \end{array}$	
Seismic Design Category = D	
$F_{p} = (0.4*a_{p}*S_{DS}*W_{p})/(R_{p}/I_{p}) =$ $Upper Limit: F_{pMAX} = 1.6*S_{DS}*I_{p}*W_{p} =$ $Lower Bound: F_{pMIN} = 0.3*S_{DS}*I_{p}*W_{p} =$	302.4 LBS. (ASCE 7-16 Eqn. 13.3-1) 1814.2 LBS. (ASCE 7-16 Eqn. 13.3-2) 340.2 LBS. (ASCE 7-16 Eqn. 13.3-3)

F_{p, DESIGN} = **340.2** LBS.

RBI ENCORE RB0725 INDOOR DUAL FUEL UNIT - SEISMIC ANCHORAGE (ASCE 7-16/IBC 2000)

Design Anchorage Force:

Horizontal Shear Force Per Anchor:

 $R_{H} = F_{p}/4 =$ 85.0 LBS.

Overturning Resistance About Point A:

