Project: ENCORE Date: 09/06/22 Engineer: BMH RBI ENCORE RB0850 INDOOR UNIT - SEISMIC ANCHORAGE (ASCE	page: 1 of 2
Slab on Grade Applications Only	
Equipment Parameters:	
weight, $W_p = \begin{array}{c} 625.83 \\ W = \begin{array}{c} 27.94 \\ 10.2 \\ 27.94 \\ 10.2 \\ 10.$	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 = D - Seismic Use Group = N -
$\begin{array}{c} {\sf R}_{\sf p} = \fbox{1.500} & (\text{Default value for Anchorage per ASCE 7-16 13.6-1}) \\ {\sf F}_{\sf a} = \fbox{1.032} & (\text{ASCE 7-16 Table 11.4-1}) \\ {\sf S}_{\sf MS} = {\sf F}_{\sf a}{}^{*}{\sf S}_{\sf s} = \fbox{1.858} & (\text{ASCE 7-16 Eqn. 11.4-1}) \\ {\sf S}_{\sf DS} = 2/3{}^{*}{\sf S}_{\sf MS} = \fbox{1.239} & (\text{ASCE 7-16 Eqn. 11.4-3}) \end{array}$	
Seismic Design Category = D	
Seismic Force:	
$F_{p} = (0.4*a_{p}*S_{DS}*W_{p})/(R_{p}/I_{p}) = \begin{bmatrix} Upper \ Limit: F_{pMAX} = 1.6*S_{DS}*I_{p}*W_{p} = \\ Lower \ Bound: F_{pMIN} = 0.3*S_{DS}*I_{p}*W_{p} = \begin{bmatrix} F_{p, \ DESIGN} = \end{bmatrix}$	310.1 LBS. (ASCE 7-16 Eqn. 13.3-1) 1860.9 LBS. (ASCE 7-16 Eqn. 13.3-2) 348.9 LBS. (ASCE 7-16 Eqn. 13.3-3) 348.9 LBS.

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Engineer:	BMH		

RBI ENCORE RB0850 INDOOR UNIT - SEISMIC ANCHORAGE (ASCE 7-16/IBC 2000)

Design Anchorage Force:

Horizontal Shear Force Per Anchor:

 $R_{H} = F_{p}/4 =$ 87.2 LBS.

Overturning Resistance About Point A:

