

EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

FOLLETT CORPORATION

50CT400A & 50CT400W DISPENSER WITH BASE STAND ACCESSORY

DES. R. LA BRIE

JOB NO. 11-0407

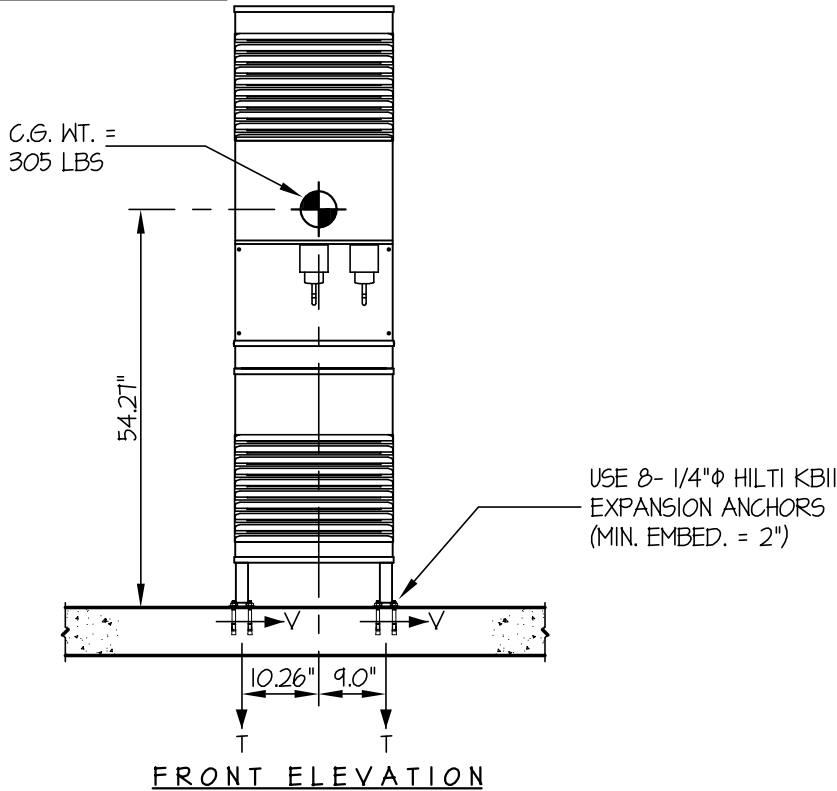
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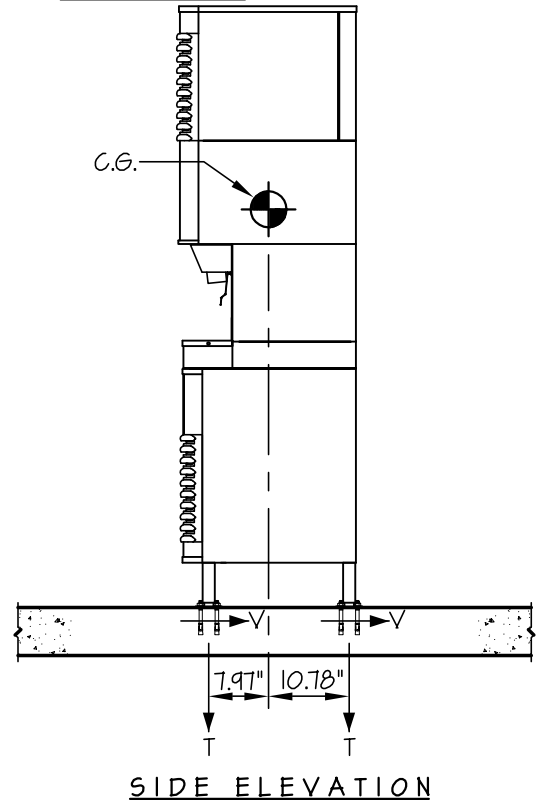
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OF 1 SHEET

SEISMIC ANCHORAGE



SLAB ON GRADE



LOADS: PER 2001 CALIFORNIA BUILDING CODE - SECTION I632A (WORKING LOADS, NOT ULTIMATE)

WEIGHT = 305 LBS

HORIZONTAL FORCE (V_H) = $0.50W$ = 153 LBS

VERTICAL FORCE (V_V) = $0.33(V_H)$ = 51 LBS

BOLT FORCES:

TENSION (T)

$$T_{\text{SIDE TO SIDE}} = \frac{153\#(54.27") - (305\# - 51\#)9.0"}{2(19.26")} = 156 \text{ LBS/BOLT}$$

$$T_{\text{FRONT TO BACK}} = \frac{153\#(54.27") - (305\# - 51\#)7.97"}{2(18.75")} = 167 \text{ LBS/BOLT}$$

$$T = 167\# + 156\#(0.3) = 214 \text{ LBS/BOLT (MAX)}$$

SHEAR (V)

$$V = \frac{153\#(10.78")}{2(18.75")} = 44 \text{ LBS/BOLT (MAX)}$$

NOTE:

PROVIDE FLOOR STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN.
(BY ENGINEER OF RECORD FOR THE BUILDING)

MODEL NO.	WEIGHT (LBS)	T _{MAX} (LBS/BOLT)	V _{MAX} (LBS/BOLT)
50CT400A/W	305	214	44
25CT400A/W	280	196	40

