

EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

FOLLETT CORPORATION

50HT400A & 50HT400W DISPENSER W/ DRAIN PAN

DES. **RBL**

JOB **11-0112**

DATE **4/9/01**

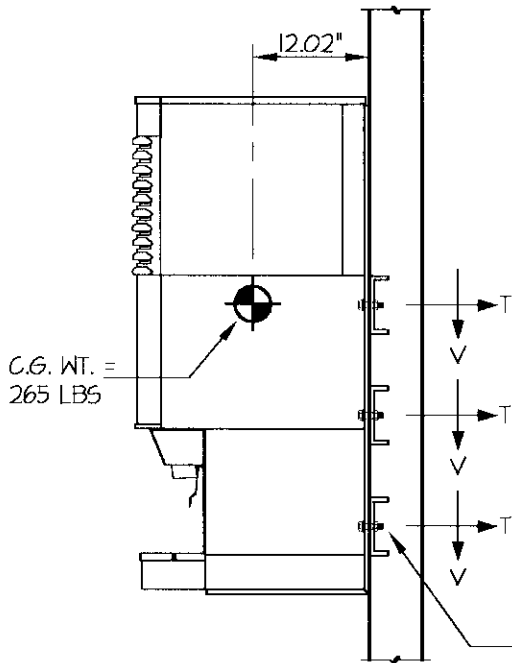
SHEET

1

OF **1** SHEETS

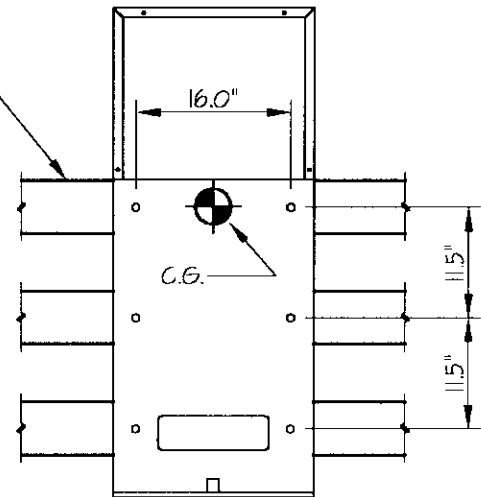
SEISMIC ANCHORAGE

WALL MOUNTED



SIDE ELEVATION

BACKING PLATE (16 GA. MIN.)
DESIGNED AND CONNECTED
TO WALL STRUCTURE BY
ENGINEER OF RECORD (TYP)



PLAN AT WALL

$T_{MAX} = 215 \text{ LBS/BOLT}$
 $V_{MAX} = 183 \text{ LBS/BOLT}$

LOADS: PER 1998 CALIFORNIA BUILDING CODE - SECTION 1632A

WEIGHT = 265 LBS

HORIZONTAL FORCE (V_H) = $0.94W = 249 \text{ LBS}$

VERTICAL FORCE (V_V) = $0.33(V_H) = 83 \text{ LBS}$

MODEL NO.	WEIGHT (LBS)	T _{MAX} (LBS/BOLT)	V _{MAX} (LBS/BOLT)
50HT400A/W	265	215	183
50HR400A/W	115	93	79
25HT400A/W	240	195	167
25HR400A/W	90	73	62

BOLT FORCES:

TENSION (T)

$$T = \frac{249\#(23.0") + (265\# + 83\#)12.02"}{2 \text{ BOLTS } (23.0")} = 215 \text{ LBS/BOLT (MAX)}$$

SHEAR (V)

$$V = \frac{249\#(23.0")}{2 \text{ BOLTS } (23.0")} + \frac{265\# + 83\#}{6 \text{ BOLTS}} = 183 \text{ LBS/BOLT (MAX)}$$

NOTE:

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

