

EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

FOLLETT CORPORATION

50CT400A & 50CT400W DISPENSER

DES. R. LA BRIE

JOB 11-0407

DATE 2/3/04

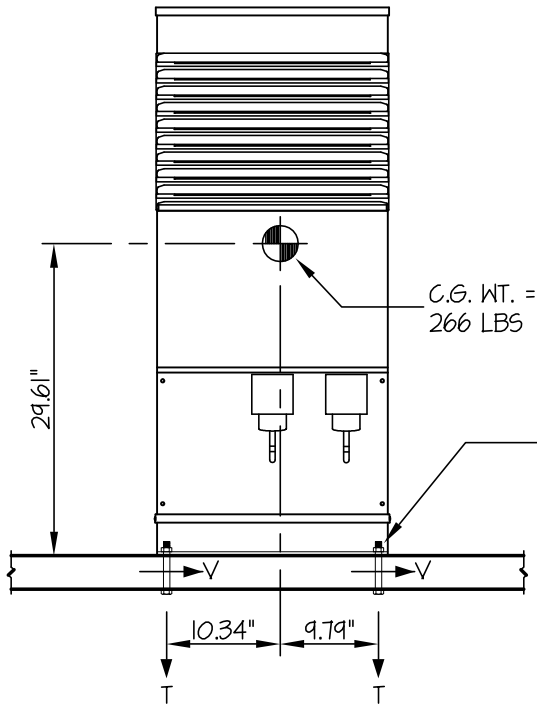
SHEET

1

OF 1 SHEETS

SEISMIC ANCHORAGE

COUNTERTOP MOUNTED

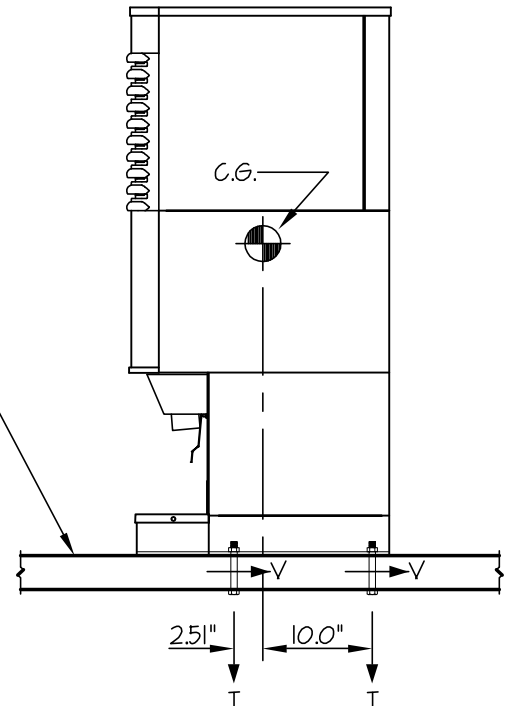


FRONT ELEVATION

COUNTERTOP
(BY OTHERS)

USE 4- 1/4"φ A307
BOLTS THRU
COUNTERTOP

T_{MAX} = 320 LBS/BOLT
V_{MAX} = 100 LBS/BOLT



SIDE ELEVATION

LOADS: PER 2001 CALIFORNIA BUILDING CODE - SECTION 1632A (WORKING LOADS, NOT ULTIMATE)

WEIGHT = 266 LBS

HORIZONTAL FORCE (V_H) = 0.94W = 250 LBS

VERTICAL FORCE (V_V) = 0.33(V_H) = 83 LBS

BOLT FORCES:

TENSION (T)

$$T_{\text{SIDE TO SIDE}} = \frac{250\#(29.61") - (266\# - 83\#)9.79"}{2\text{BOLTS}(20.13")} = 139 \text{ LBS/BOLT}$$

$$T_{\text{FRONT TO BACK}} = \frac{250\#(29.61") - (250\# - 83\#)2.51"}{2\text{BOLTS}(12.51")} = 278 \text{ LBS/BOLT}$$

$$T = 278\# + 139\#(0.3) = 320 \text{ LBS/BOLT (MAX)}$$

SHEAR (V)

$$V = \frac{250\#(10")}{12.51(2)} = 100 \text{ LBS/BOLT (MAX)}$$

NOTE:

COUNTERTOP STRUCTURE SHALL BE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN BY OTHERS.

MODEL NO.	WEIGHT (LBS)	T _{MAX} (LBS/BOLT)	V _{MAX} (LBS/BOLT)
50CT400A/W	266	320	100
50CR400A/W	116	139	44
25CT400A/W	241	290	91
25CR400A/W	91	110	34

