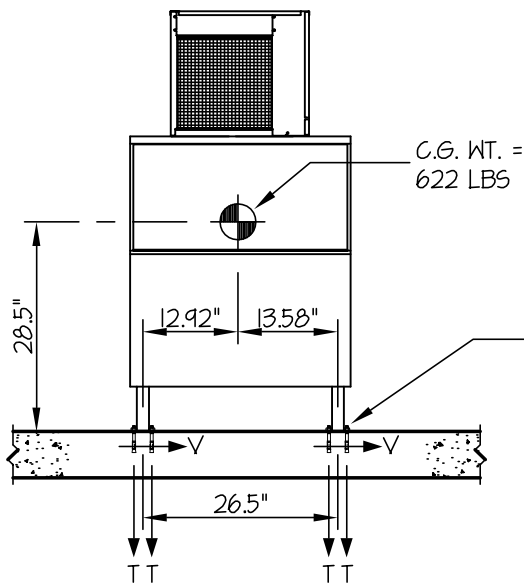


FOLLETT CORPORATION	DES. R. LA BRIE	SHEET 1
	JOB NO. 11-0502	OF 1 SHEET
T400A ON 425BIN DISPENSER	DATE 1/17/05	

SEISMIC ANCHORAGE CALCULATION

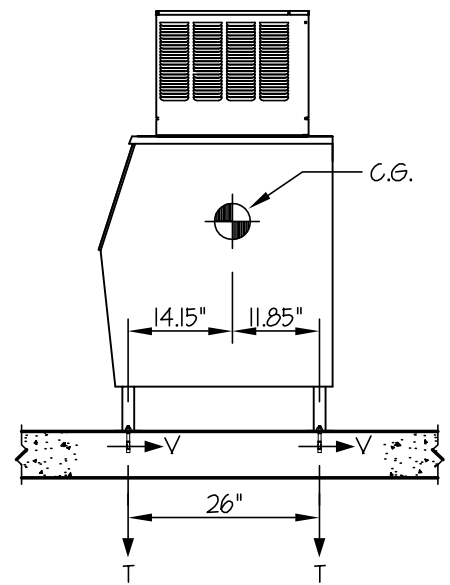
SLAB ON GRADE



FRONT ELEVATION

USE 8- 1/4"Φ HILTI KBII EXPANSION ANCHORS (MIN. EMBED. = 2")

T_{MAX} = 99 LBS/BOLT
V_{MAX} = 85 LBS/BOLT



SIDE ELEVATION

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

WEIGHT = 622 LBS

HORIZONTAL FORCE (V_H) = 0.50W = 311 LBS

VERTICAL FORCE (V_V) = 0.33(V_H) = 104 LBS

BOLT FORCES:

TENSION (T)

$$T_{\text{MAXIMUM}} = \left[\frac{311\#(28.5'')(11.85'')}{26.5''(26'')} \times (0.3) \right] + \frac{311\#(28.5'')(13.58'')}{26''(26.5'')} - \frac{(622\# - 104\#)(13.58'')(11.85'')}{26.5''(26'')} = 99 \text{ LBS/BOLT (MAX)}$$

(HORIZ - SIDE TO SIDE) (HORIZ - FRONT TO BACK) (VERTICAL LOAD)

SHEAR (V)

$$V = \frac{311\#(14.15'')}{2 \text{ BOLTS } (26'')} = 85 \text{ LBS/BOLT (MAX)}$$

NOTE:

ARCHITECT OR STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE SUPPORT STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN.

