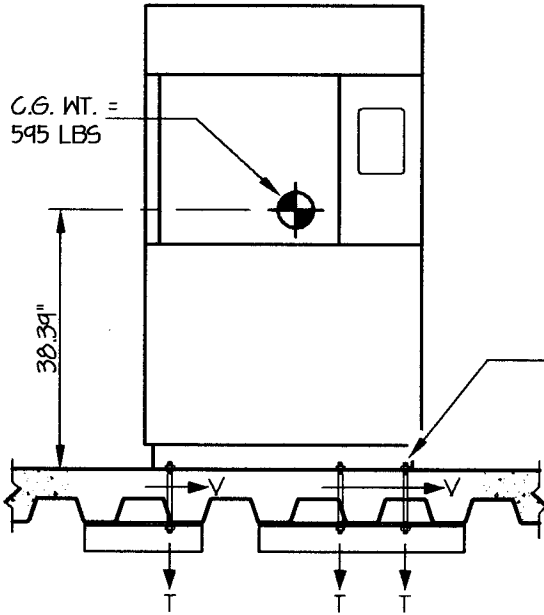


EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

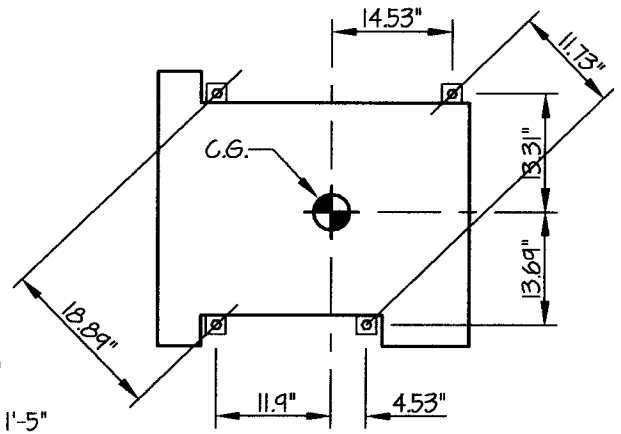
BELIMED, INC.	DES. R. LA BRIE	SHEET 1
	JOB NO. 11-0211	
WD230 WASHER	DATE 4/8/02	OF 1 SHEET

SEISMIC ANCHORAGE

UPPER FLOOR



FRONT ELEVATION



PLAN AT BASE

USE 4- 3/8"Φ BOLTS
THRU FLOOR
W/ 2 X 2 X 1/4" X 1'-5"
AT EACH BOLT AT
UNDERSIDE OF FLOOR

T_{max} = 186 LBS/BOLT
V_{max} = 82 LBS/BOLT

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

WEIGHT = 595 LBS

HORIZONTAL FORCE (V_H) = 0.94W = 559 LBS

VERTICAL FORCE (V_V) = 0.33(V_H) = 186 LBS

BOLT FORCES:

TENSION (T)

$$T = \frac{559\#(38.39") - (595\# - 186\#)11.37"}{30.62"} = 549 \text{ LBS/BOLT (MAX)}$$

SHEAR (V)

$$V = \frac{559\#(14.53")}{2_{\text{BOLTS}}(26.43")} = 154 \text{ LBS/BOLT (MAX)}$$

NOTE:

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

