hergo®
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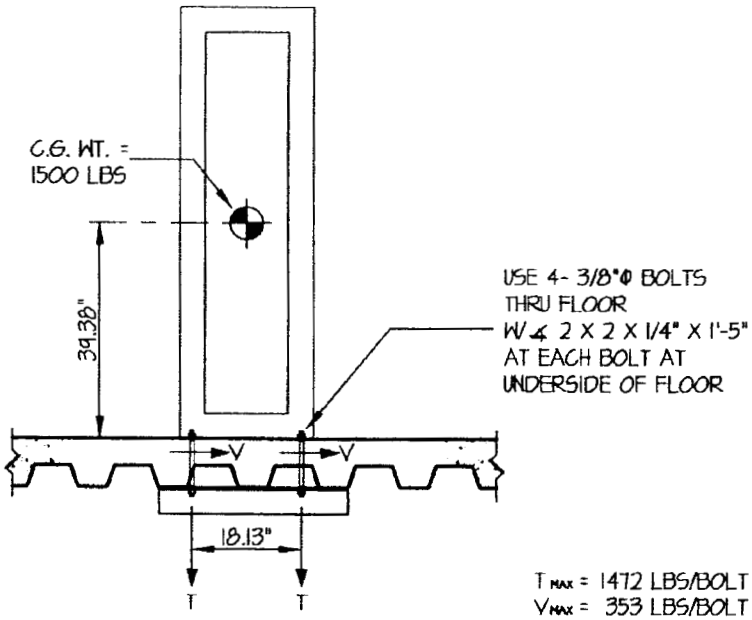
MASPETH, NY 11378
888.222.7270
www.hergo.com

EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

HERGO INC.	DES. R. LA BRIE	SHEET 1
	JOB NO. 11-0235	
SATURN ENCLOSURE	DATE 10/3/02	OF 1 SHEET

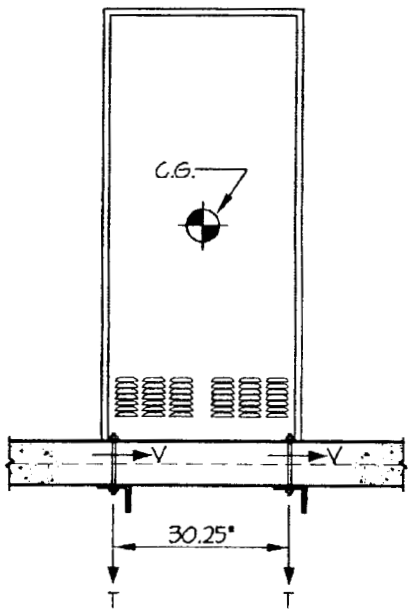
SEISMIC ANCHORAGE



FRONT ELEVATION

T_{MAX} = 1472 LBS/BOLT
V_{MAX} = 353 LBS/BOLT

UPPER FLOOR



SIDE ELEVATION

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

WEIGHT = 1500 LBS

HORIZONTAL FORCE (V_H) = 0.94W = 1410 LBS

VERTICAL FORCE (V_V) = 0.33(V_H) = 470 LBS

BOLT FORCES:

TENSION (T)

$$T_{\substack{\text{SIDE}\\\text{TO SIDE}}} = \frac{1410\#(39.38")}{2\ \text{BOLTS}\ (18.13")} - \frac{1500\# - 470\#}{4\ \text{BOLTS}} = 1274\ \text{LBS/BOLT}$$

$$T_{\substack{\text{FRONT}\\\text{TO BACK}}} = \frac{1410\#(39.38")}{2\ \text{BOLTS}\ (30.25")} - \frac{1500\# - 470\#}{4\ \text{BOLTS}} = 660\ \text{LBS/BOLT}$$

$$T = 1274\# + 660\#\ (0.3) = 1472\ \text{LBS/BOLT (MAX)}$$

SHEAR (V)

$$V = \frac{1410\#}{4\ \text{BOLTS}} = 353\ \text{LBS/BOLT (MAX)}$$

REGISTERED PROFESSIONAL ENGINEER
JAMES H. THOMPSON
No. 1369
10-3-02
STRUCTURAL
STATE OF CALIFORNIA
License fee due 3-31-2005

NOTE:

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES 2 PL DECIMALS ± .01 3 PL DECIMALS ± .005	NEXT ASS'Y:	HERGO
	95-Saturn	
	DATE: 06/14/06	