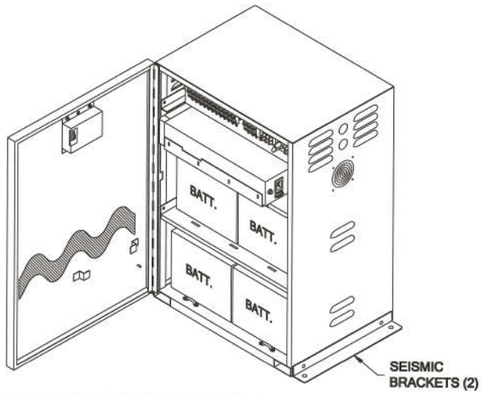
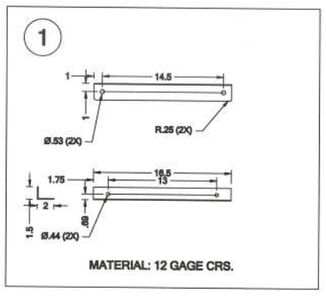
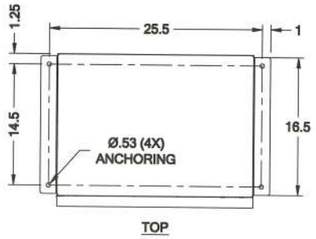
POWER COMPANY
CONFIDENTIAL INFORMATION

REVISION				
REV	ECO	DESCRIPTION	DATE	APPROVED
X1	N/A	PRELIMINARY	5/29/13	S.S.

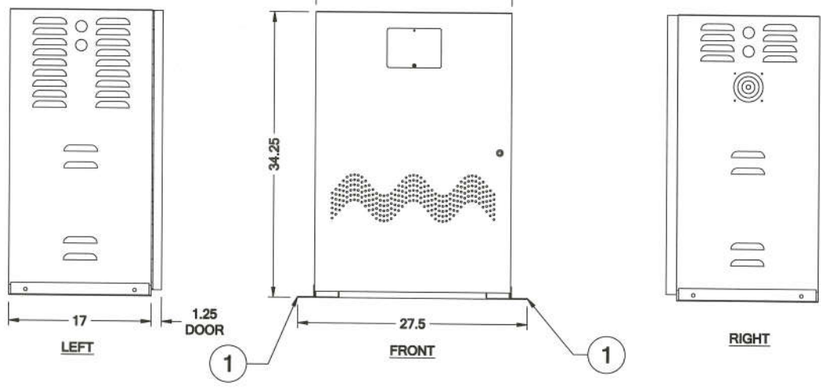




MATERIAL: 12 GAGE CRS.



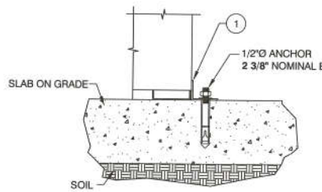
TOP



NOTES: (UNLESS OTHERWISE SPECIFIED)

1) ALL DIMENSIONS SHOWN ARE APPROXIMATE.
2) ENCLOSURE: INDOOR NEMA TYPE 1, COLOR BLACK.
3) DRAWING SHOWN WITH OPTIONAL SEISMIC.
4) RATING: FROM 500 W. TO 2100 W.
5) WEIGHT: FROM 265 LBS UP TO 760 LBS (WITH BATTERIES).

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .XX ± .03 .XXX ± .010 FRACTIONS ± 1/64 ANGLES ± 1/2°	TITLE	INVERTER
DRWN: S.S. 5/29/13	SIZE B	DWG 6001-278 REV X1
CHKD: SHERRI.S. 5/29/13	SCALE:	EST. WT: SHT 1 OF 2
APPVD: SS 5/29/13	SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE	



(2) ANCHORS REQ'D PER ANCHOR BRACKET
(4) ANCHORS REQ'D PER UNIT

2 ANCHOR DETAIL

NOTES:
1. DESIGNED PER THE 2018 IBC / 2019 CBC / 2020 LABC, Fa = 1.0 & Ss = 2.2
2. STORAGE CAPACITY: **760#** MAX. WEIGHT.
3. ANCHORS: HILTI KWIK BOLT TZ, ICC **#ESR-1917** W/ LABC SUPPLEMENT
4. CONCRETE: **5"** THICK x **2,500** PSI.
5. SOIL BEARING PRESSURE: **500** PSF. (MIN. REQ'D).
6. EVALUATION BASED ON NORTHRIDGE LOCATION (ONE OF THE HIGHEST LA FAULT AREAS) WITH THE FOLLOWING CALCULATION AS A TYPICAL EXAMPLE. (ASSUMED GROUND FLOOR INSTALLATION)

LOADS & DISTRIBUTION: MINI POWER WAVE

ANALYSIS BASED ON SECTION 13.3 OF THE ASCE 7-16 SPECIFICATION
REFERENCED IN CHAPTER 16 OF THE 2018 IBC/2019 CBC/2020 LABC

Fp (13.3-1)= 0.4 x ap x S_{DS} x Wp/ [Rp/ Ip]	0.234 x Wp	
Fp (13.3-2)= 1.6 x S_{DS} x Ip x Wp	2.336 x Wp	SHALL NOT BE GREATER THAN
Fp (13.3-3)= 0.3 x S_{DS} x Ip x Wp	0.438 x Wp	SHALL NOT BE LESS THAN

SITE CLASS = D
Fa = **1.2**
Ss = **1.83**
S_{DS} = 1.46
Ip = 1.00
Rp = 2.5 ASCE 7-16 Table 13.5-1
ap = 1 ASCE 7-16 Table 13.5-1

Wp = **760 LB**

0.7Fp = 0.7*0.438*Wp
= 0.31*760 LB
= 233 LB

OVERTURNING ANALYSIS:

CABINET HEIGHT, Ht = 34.0 IN
ANCHORS SPACING, D = 14.0 IN

Mot = Vtotal*(1/2 Ht)
= 233 LB * 34 IN * 1/2
= 3,961 IN-LB

Mst = Wp*D/2
= 760 LB * 14 IN/2
= 5,320 IN-LB

Puplift = (Mot - 0.6*Mst)/D
= (3961 IN-LB - 0.6 * 5320 IN-LB)/14 IN
= 55 LB <= UPLIFT

ANCHORS
ALLOWABLE CAPACITY PER ICC REPORT AND ACI 318-14 CHAPTER 17
PULLOUT : 830 LB $T_{allowable, ASD}$
SHEAR : 900 LB $V_{allowable, ASD}$

COMBINED STRESS = (55 LB/1660 LB) + (233 LB/3600 LB)
= 0.10 < 1.2 OK

USE 1/2"Ø x 2-3/8"MIN. EMBED. HILTI KB-TZ (ICC ESR-1917) OR APPROVED EQUAL
(4) PER CABINET

CALCULATIONS

ADDRESS:
POWER COMPANY
9301 TAMPA AVE.
NORTHRIDGE, CA 91324

REV.	DATE	BY	DESCRIPTION
△			
△			
△			
△			

SEIZMIC
EST. 1985
SEIZMIC ENGINEERING, INC.
1130 E. Cypress St.
Covina, California 91724
Tel.(909)869-0989

DRAWN BY:	M.V. / T.C.
DATE:	03/13/20
LAST REV. BY:	
REV. DATE:	
TYPE:	
SCALE:	N.T.S.
APRVD BY:	SAL E. FATEEN

REGISTERED PROFESSIONAL ENGINEER
SAL E. FATEEN
No. 25969
CIVIL
STATE OF CALIFORNIA
JAN 27 2022
EXPIRES
12-31-2023

DESCRIPTION:
CABINET DETAILS

DRAWING NUMBER:
20-0491-E