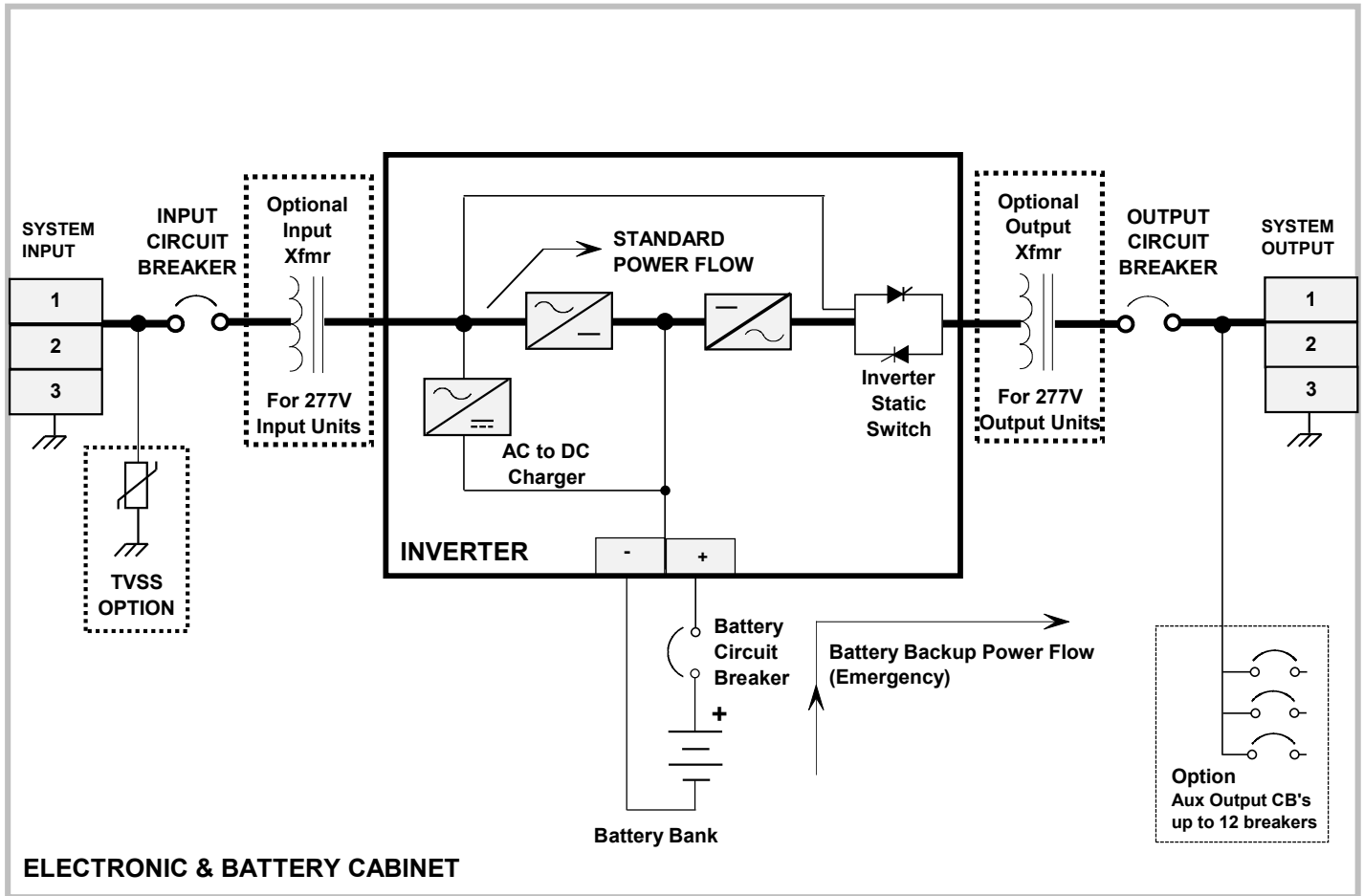


# MINI POWER LIGHTING INVERTER SINGLE LINE DIAGRAM

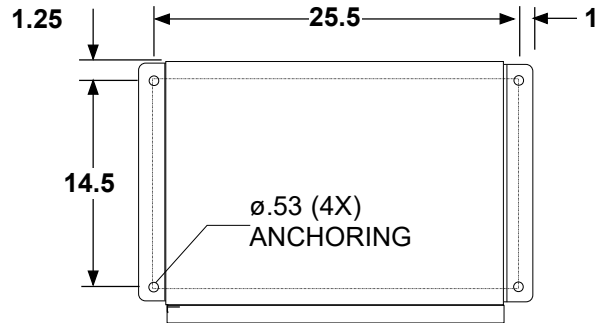


## NOTES:

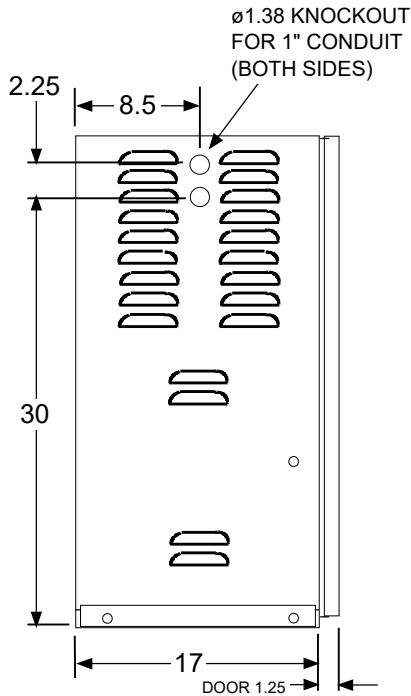
1. Dotted blocks are optional features.

|               |          |                                                |            |
|---------------|----------|------------------------------------------------|------------|
|               |          | <b>MINI POWER WAVE<br/>SINGLE LINE DIAGRAM</b> |            |
| SDR : SHERRIS | 01/25/23 | <b>DWG NO.: 105-TD-010</b>                     | REV.: A    |
| CHKD : M.T.   | 01/25/23 |                                                | SHT 1 OF 1 |
| APPVD : HN    | 01/25/23 | SUBJECT TO CHANGE WITHOUT NOTICE               |            |

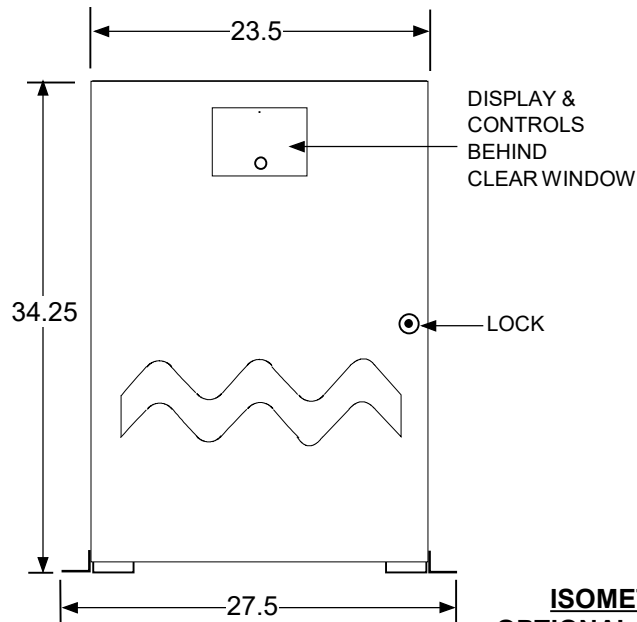
# MINI POWER WAVE CENTRAL LIGHTING INVERTER



**TOP VIEW**

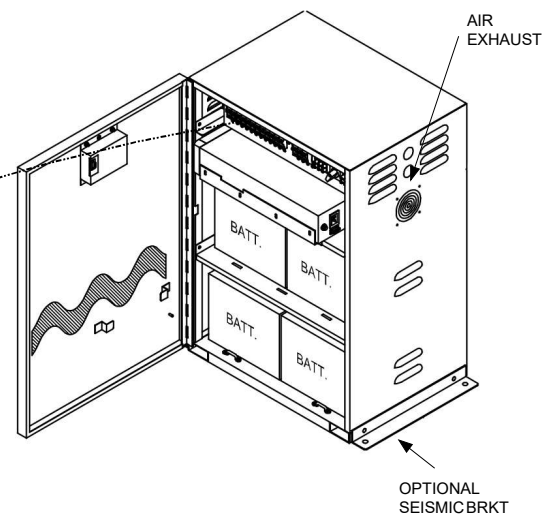
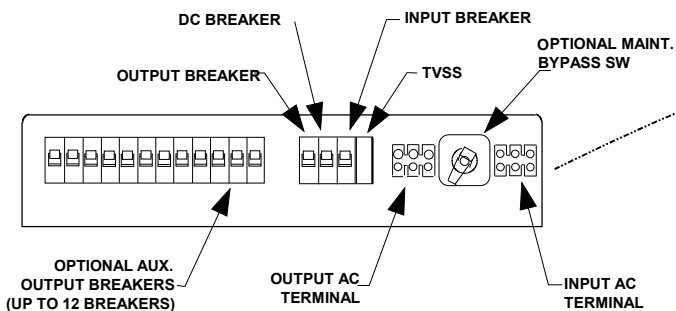


**SIDE VIEW**



**FRONT VIEW**

**ISOMETRIC VIEW WITH  
OPTIONAL SEISMIC MOUNTING**



## NOTES:

- 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 2700 W.
- 5) WEIGHT: FROM 265 LBS UP TO 760 LBS (WITH BATTERIES).



|               |          |
|---------------|----------|
| SDR : SHERRIS | 01/25/23 |
| CHKD : M.T.   | 01/25/23 |
| APPVD : HN    | 01/25/23 |

## MINI POWER WAVE CENTRAL LIGHTING INVERTER

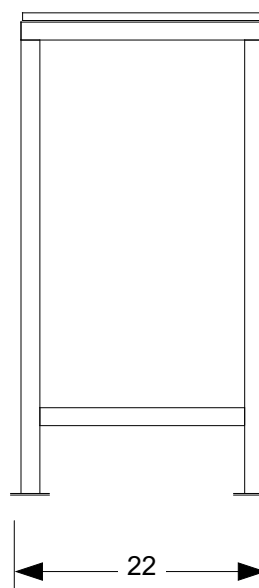
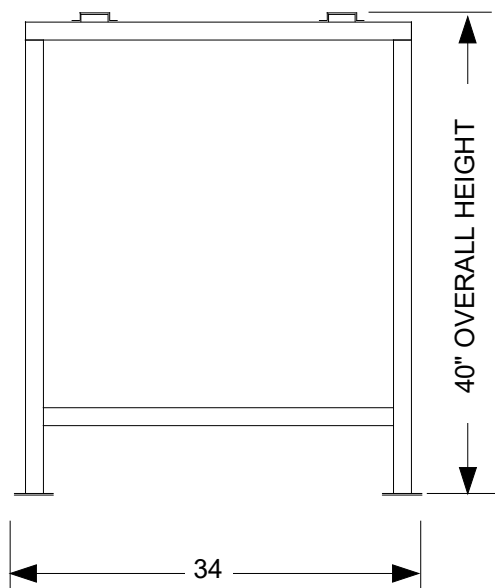
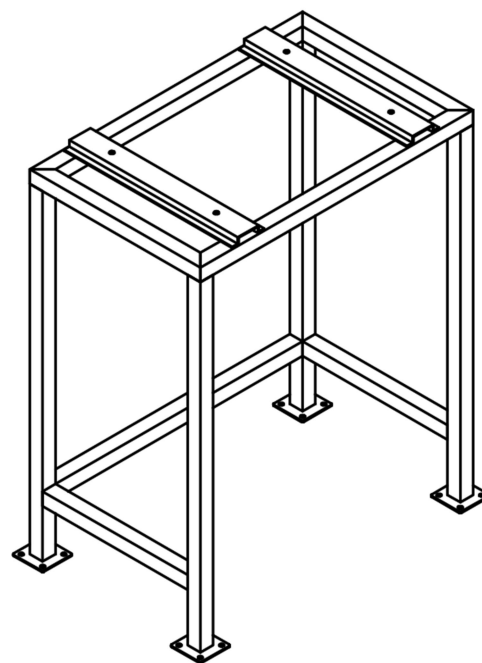
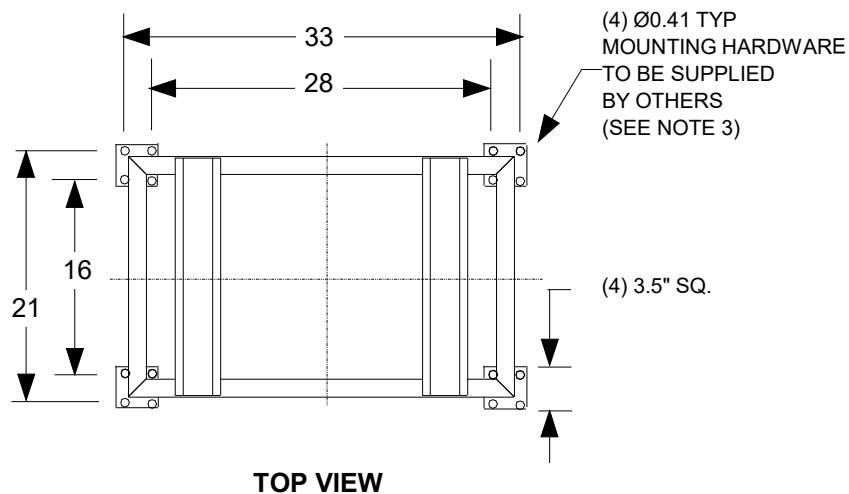
**DWG NO.: 105-TD-011**

**REV.: A**

SHT 1 OF 1

SUBJECT TO CHANGE WITHOUT NOTICE

# MINI POWER WAVE OPTIONAL 40" HIGH STAND (STACKABLE)

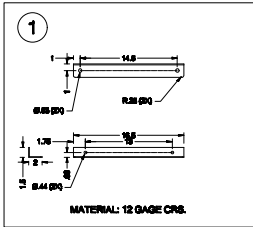
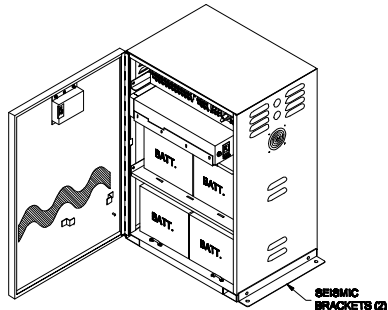


## NOTES:

- 1) FINISH: POWDER COAT BLACK FINE TEXTURE.
- 2) MOUNTING HARDWARE TO INSTALL UNIT TO STAND IS PROVIDED WITH THE KIT.
- 3) MOUNTING HARDWARE FOR STAND TO THE FLOOR TO BE SUPPLIED BY OTHERS, (CONSULT APPLICABLE CODES, FOR HARDWARE TYPE AND LENGTH BASED ON TYPE OF FLOOR).
- 4) DIMENSIONS ARE IN INCHES.

|                                                                                      |          |                                               |            |
|--------------------------------------------------------------------------------------|----------|-----------------------------------------------|------------|
|  |          | MINI POWER WAVE<br>INVERTER TECHNICAL DRAWING |            |
| SDR : SHERRIS                                                                        | 01/25/23 | DWG NO.: 105-TD-012                           | REV.: A    |
| CHKD : M.T.                                                                          | 01/25/23 |                                               | SHT 1 OF 1 |
| APPVD : HN                                                                           | 01/25/23 | SUBJECT TO CHANGE WITHOUT NOTICE              |            |

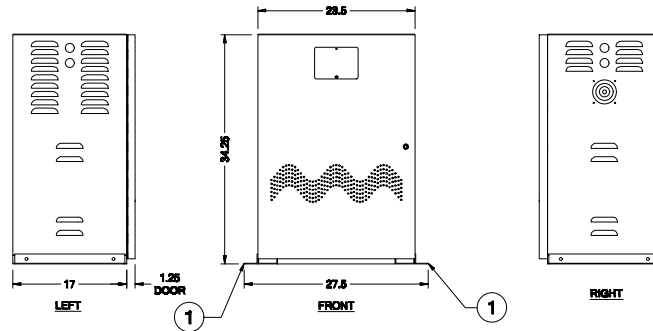
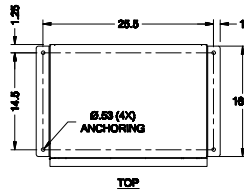
ONLINE POWER PROPRIETARY  
CONFIDENTIAL INFORMATION



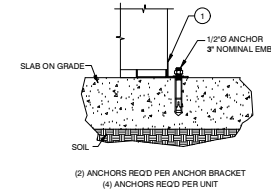
**NOTES: (UNLESS OTHERWISE SPECIFIED)**

- 1) ALL DIMENSIONS SHOWN ARE APPROXIMATE.
- 2) ENCLOSURE: INDOOR NEMA TYPE 1, COLOR BLACK.
- 3) DRAWING SHOWN WITH OPTIONAL SEISMIC.
- 4) RATING: FROM 800 W. TO 2100 W.
- 5) WEIGHT: FROM 285 LBS UP TO 780 LBS (WITH BATTERIES).

| REVISION |     |             |          |
|----------|-----|-------------|----------|
| REV      | ECO | DESCRIPTION | DATE     |
| X1       | NA  | PRELIMINARY | 02/25/24 |



|                                                                       |             |                 |             |
|-----------------------------------------------------------------------|-------------|-----------------|-------------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: |             | COMMERCIAL, GA. |             |
| FINISH                                                                | FINISH      | FINISH          | FINISH      |
| 1/2" ± 0.01                                                           | 1/2" ± 0.01 | 1/2" ± 0.01     | 1/2" ± 0.01 |
| TITLE                                                                 |             | MINI POWER WAVE |             |
| QTY                                                                   | QTY         | QTY             | QTY         |
| 1                                                                     | 1           | 1               | 1           |
| 0001-278                                                              | 0001-278    | 0001-278        | 0001-278    |
| APPV: 00                                                              | 0001-278    | 0001-278        | 0001-278    |
| SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE                       |             |                 |             |



**2 ANCHOR DETAIL**

**LOADS & DISTRIBUTION: MINI POWER WAVE**

ANALYSIS BASED ON SECTION 13.3 OF THE ASCE 7-16 SPECIFICATION  
REFERENCED IN CHAPTER 16 OF THE 2021 IBC/2022 CBC/2023 IABC

|                                                                  |                    |                           |
|------------------------------------------------------------------|--------------------|---------------------------|
| $F_p (13.3-1) = 0.4 \times w_p \times S_{DS} \times W_p / (R/I)$ | $0.234 \times W_p$ | SHALL NOT BE GREATER THAN |
| $F_p (13.3-2) = 1.6 \times S_{DS} \times I_p \times W_p$         | $2.336 \times W_p$ | SHALL NOT BE LESS THAN    |
| $F_p (13.3-3) = 0.3 \times S_{DS} \times I_p \times W_p$         | $0.438 \times W_p$ |                           |

SITE CLASS = D

$F_a = 1.2$

$S_a = 1.83$

$S_{DS} = 1.56$

$I_p = 1.00$

$R_p = 2.5$

$w_p = 1$

ASCE 7-16 Table 13.5-1  
ASCE 7-16 Table 13.5-1

$W_p = 760 \text{ LB}$

$0.77p = 0.77 \times 0.438 \times W_p$   
 $= 0.31 \times 760 \text{ LB}$   
 $= 233 \text{ LB}$

**OVERTURNING ANALYSIS:**

CABINET HEIGHT,  $H_C = 34.0 \text{ IN}$   
ANCHORS SPACING,  $D = 14.0 \text{ IN}$

$M_{ot} = V_{total} \times (H_C/2)$   
 $= 233 \text{ LB} \times 34 \text{ IN} \times 1/2$   
 $= 3,961 \text{ IN-LB}$

$M_{st} = W_p \times D/2$   
 $= 760 \text{ LB} \times 14 \text{ IN}/2$   
 $= 5,320 \text{ IN-LB}$

$P_{uallft} = (M_{ot} - 0.6 \times M_{st})/D$   
 $= (3,961 \text{ IN-LB} - 0.6 \times 5,320 \text{ IN-LB})/14 \text{ IN}$   
 $= 55 \text{ LB} \quad \leftarrow \text{UPLIFT}$

**ANCHORS**

ALLOWABLE CAPACITY PER ICC REPORT AND ACI 318-14 CHAPTER 17

PULLOUT: 1170 LB  
SHEAR: 2390 LB

$T_{allowable, ICC}$   
 $V_{allowable, ICC}$

COMBINED STRESS =  $(55 \text{ LB}/2340 \text{ LB}) + (233 \text{ LB}/9560 \text{ LB})$   
 $= 0.05 < 1.2 \text{ OK}$

USE 1/2" Ø × 3" MIN. EMBED. HILTI KB-T22 (ICC ESR-4266) OR APPROVED EQUAL  
(4) PER CABINET

**NOTES:**

1. DESIGNED PER THE 2021 IBC / 2022 CBC / 2023 IABC.  
 $F_a = 1.2$  &  $S_a = 1.82$
2. STORAGE CAPACITY: 760# MAX. WEIGHT.
3. ANCHORS: HILTI KB-T22.
- ICC # ESR-4266 W/ IABC SUPPLEMENT
4. CONCRETE: 8" THICK & 2,800 PSI.
5. SOIL BEARING PRESSURE: 600 PSF. (MIN. REQ'D).
6. EVALUATION BASED ON NORTH BRIDGE LOCATION  
(ONE OF THE HIGHEST LA FAULT AREAS)  
WITH THE FOLLOWING CALCULATION AS A TYPICAL EXAMPLE.  
(ASSUMED GROUND FLOOR INSTALLATION)

POWER COMPANY  
NORTHBRIDGE, CA 91324

ADDRESS

DESCRIPTION

BY

DATE

REV



EST. 1980  
SEIZMIC  
ENGINEERING, INC.  
1130 E. Cypress St.  
Covina, California  
91724  
Tel. (909) 869-0989

DRAWN BY: M.V. / T.C.

DATE: 01/25/24

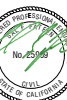
ADD REV BY:

REV. DATE:

TYPE:

SCALE: N.T.S.

APPROVED BY: SALE PATTERSON



12-31-2025

COPIES

DESCRIPTION:

CABINET

DETAILS

DRAWING NUMBER:

24-0186-E

**CALCULATIONS**