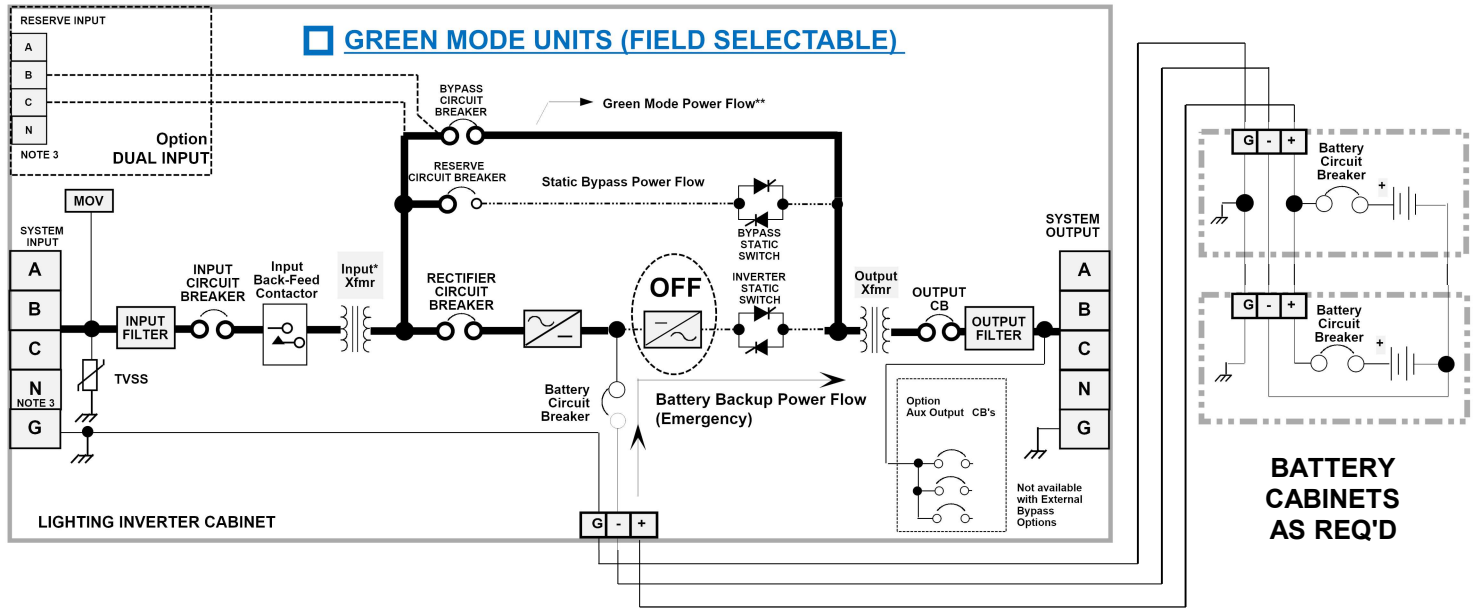
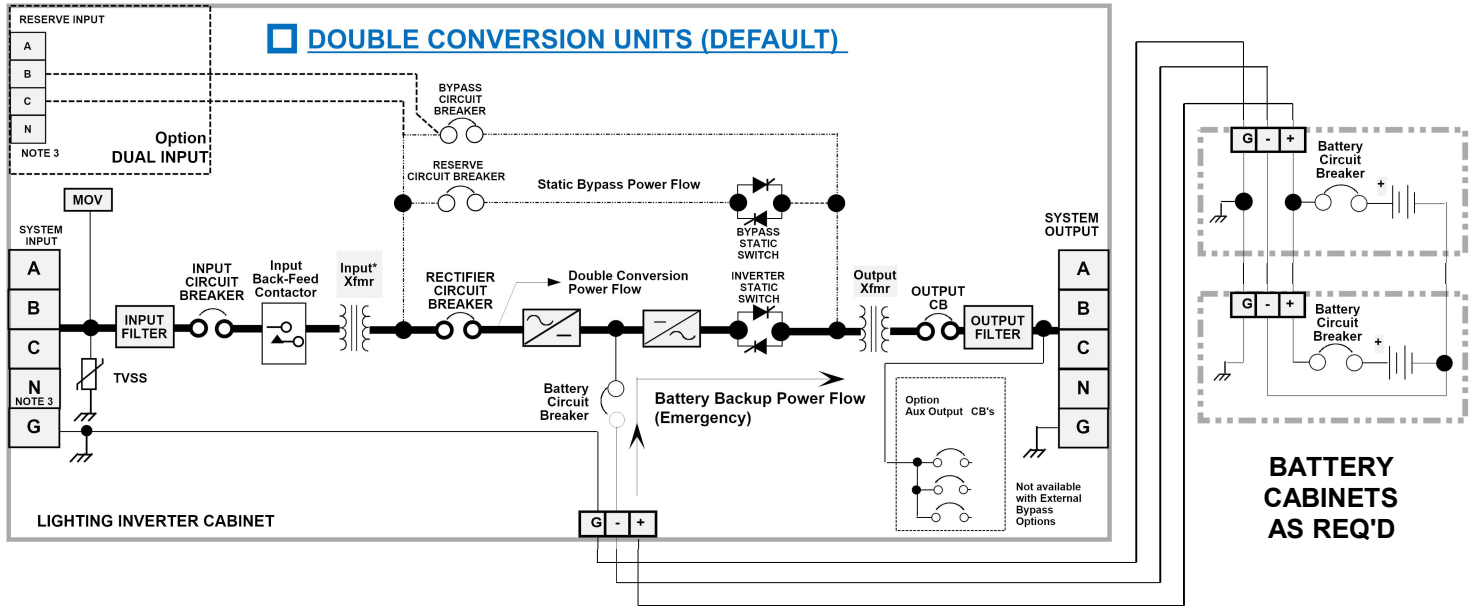


POWER WAVE 4 LIGHTING INVERTER TYPICAL SINGLE LINE DIAGRAM



NOTES:

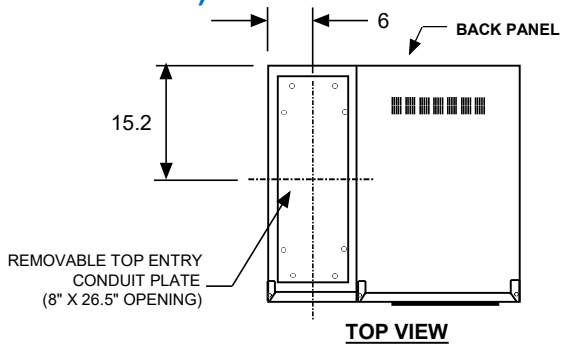
1. * Bypass and Inverter Static Switches will be powered from the Input Transformer for different input and output voltage configurations.
2. ** Power Flow is through Static Bypass Switch **(WHEN IN GREEN MODE)** during Input Power Drop
3. **Optional Delta Units are available. Neutral not required.**
4. Battery Cabinet Quantity might vary depending on the Battery type.

		TYPICAL PW4 LIGHTING INVERTER SINGLE LINE DIAGRAM	
SDR : SS	4/17/24	DWG NO.: 120-TD-010	REV.: A
CHKD : BC	4/17/24		SHT 1 OF 1
APPVD : BC	4/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	

POWER WAVE 4 CENTRAL LIGHTING INVERTER

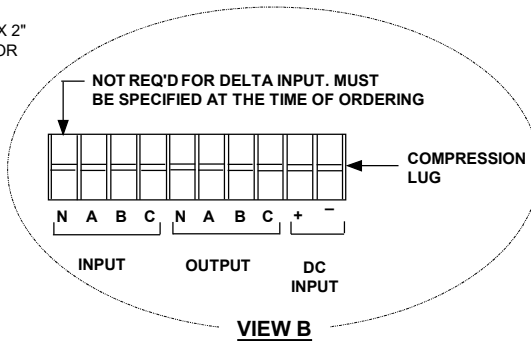
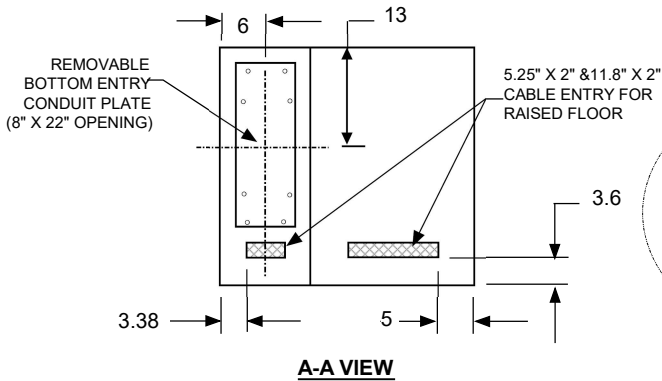
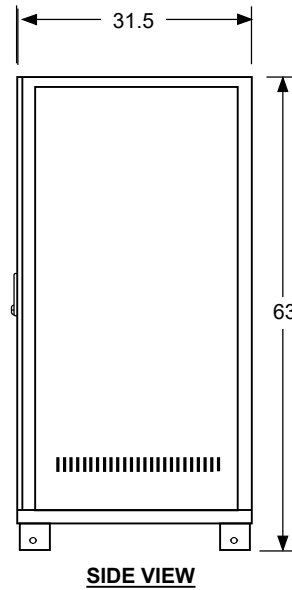
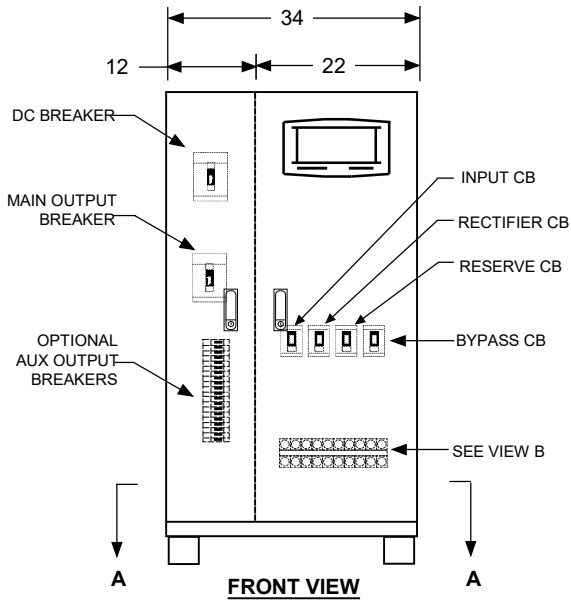
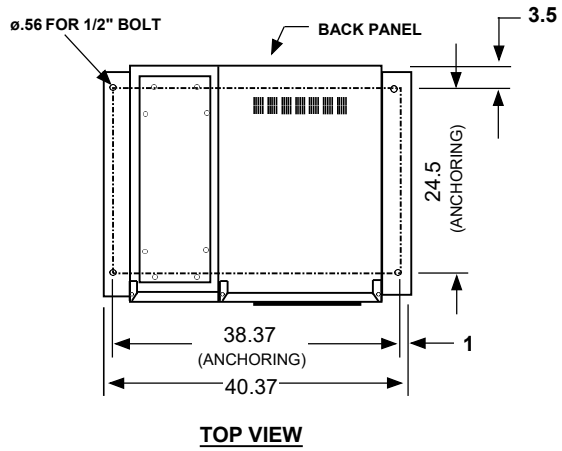
**ELECTRONIC CABINET ONLY
(10 KVA - 60 KVA)**

□ STANDARD MOUNTING



INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4

□ SEISMIC MOUNTING



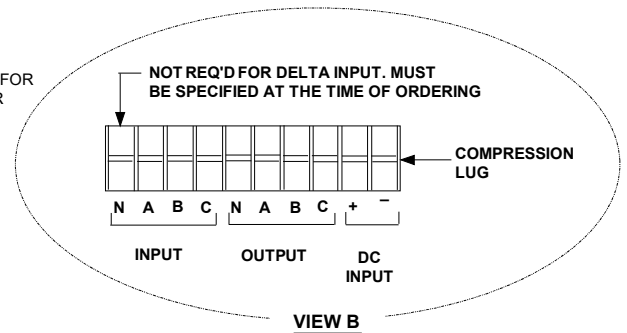
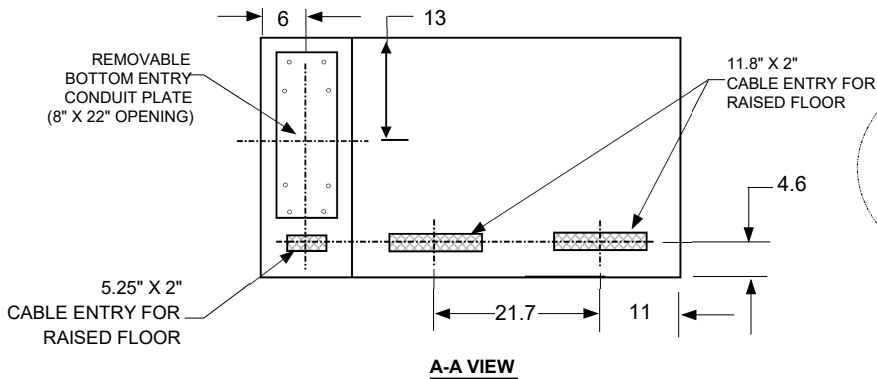
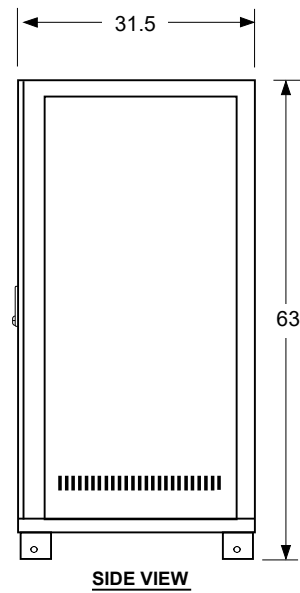
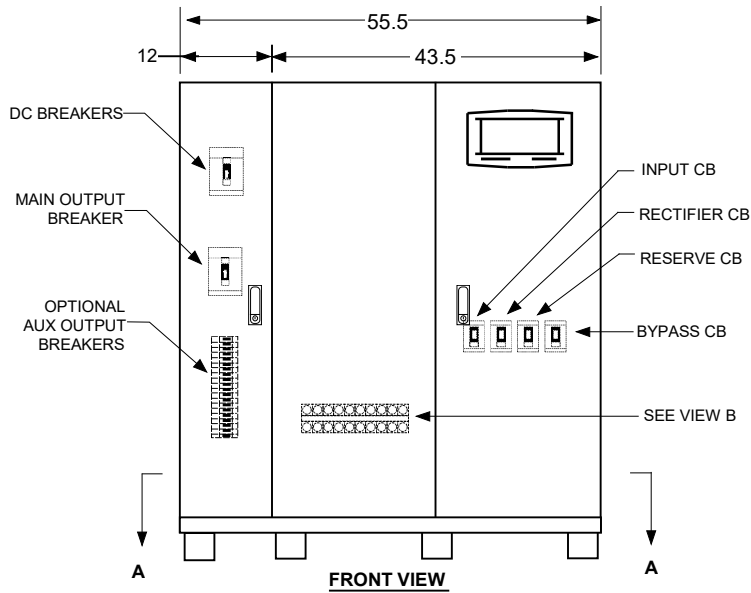
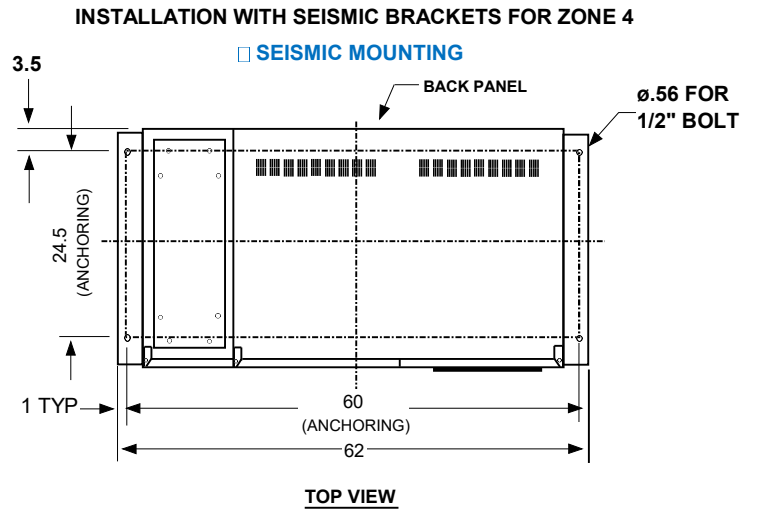
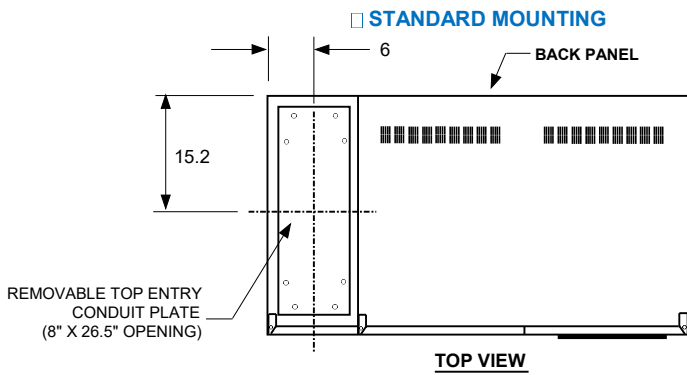
NOTES:

- 1) CONSTRUCTION: INDOOR, COLOR BLACK
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES

		POWER WAVE 4 CENTRAL LIGHTING INVERTER	
		SDR : SHERRIS 04/17/24 CHKD : M.T. 04/17/24 APPVD : HN 04/17/24	DWG NO.: 120-TD-011
SUBJECT TO CHANGE WITHOUT NOTICE			

POWER WAVE 4 CENTRAL LIGHTING INVERTER

**ELECTRONIC
CABINET ONLY
(80 KVA - 160 KVA)**

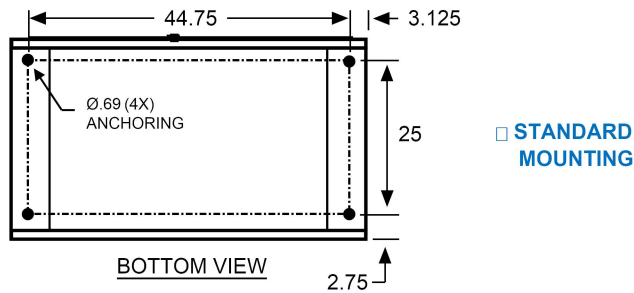
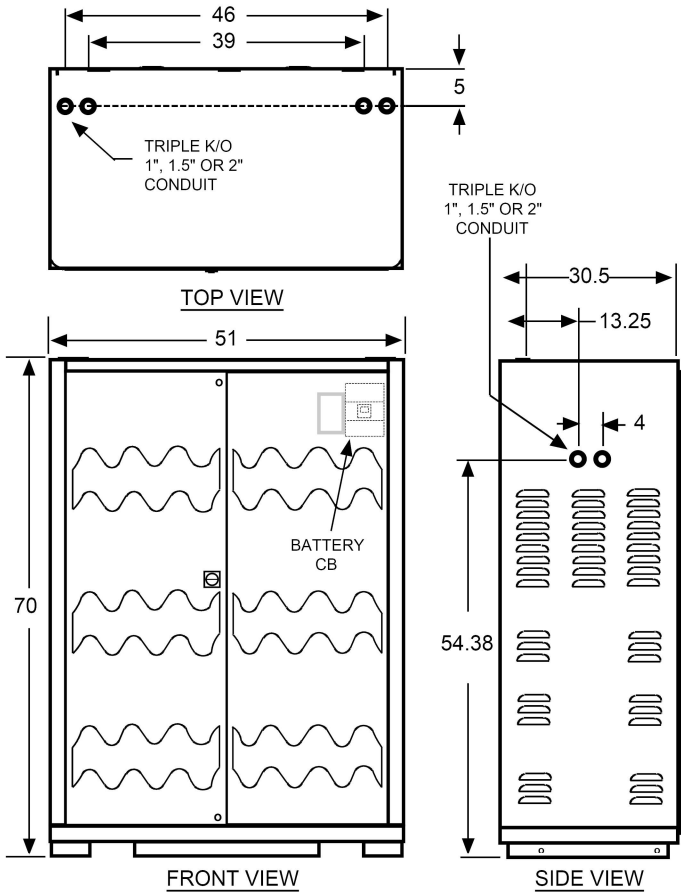


NOTES:

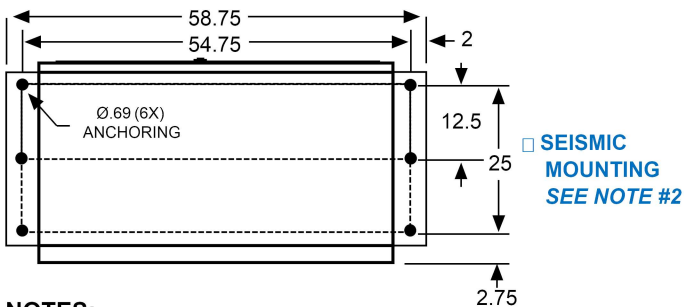
- 1) CONSTRUCTION: INDOOR, COLOR BLACK
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES

		POWER WAVE 4 CENTRAL LIGHTING INVERTER	
		SDR : SHERRIS 04/17/24 CHKD : M.T. 04/17/24 APPVD : HN 04/17/24	DWG NO.: 120-TD-012 SUBJECT TO CHANGE WITHOUT NOTICE

BATTERY CABINET (10 KVA - 60 KVA) STANDARD VRLA BATTERY



INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 BOTTOM VIEW



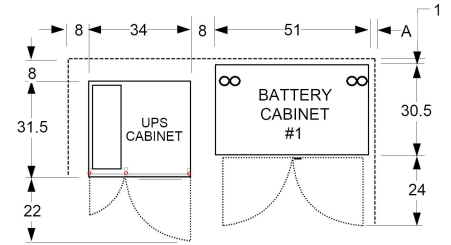
NOTES:

- CONSTRUCTION: NEMA1 INDOOR
- OPTIONAL SEISMIC BRACKETS AVAILABLE:
ANCHORS FOR EXTERNAL SEISMIC BRACKET:
1. USE 1/2" DIA x 2-3/8" MIN. EMBED. HILTI KB-TZ, ICC ESR-1917 OR APPROVED EQUAL (6) TOTAL PER CABINET.
2. CONCRETE: 5" THICK x 2,500 PSI. (MIN. REQ'D).
3. SOIL BEARING PRESSURE: 500 PSF. (MIN. REQ'D).
FOR ALL DETAILS REFER TO SEISMIC DWG. FOR EACH CABINET MOUNTING
- DIMENSIONS ARE IN INCHES

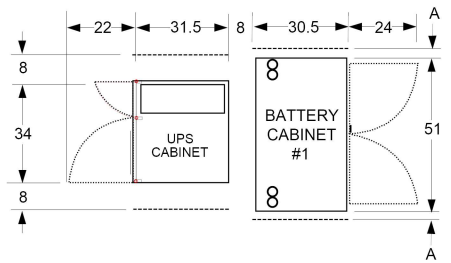
RECOMMENDED SYSTEM LAYOUTS

STANDARD VRLA BATTERY				
KVA/KW	BATTERY CABINET QTY 90 MIN.	SELECTION BOX 90 MIN.	BATTERY CABINET QTY 120 MIN.	SELECTION BOX 120 MIN.
10KVA/8KW	1		1	
20KVA/16KW	1		1	
30KVA/24KW	1		1	
40KVA/32KW	2		2	
50KVA/40KW	2		2	
60KVA/48KW	2		2	

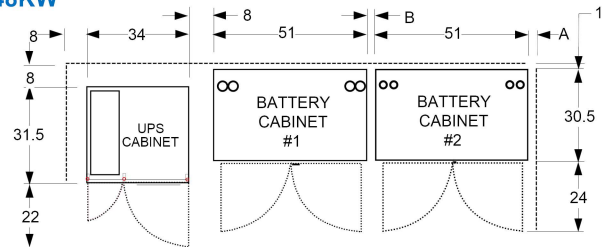
- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW



- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW

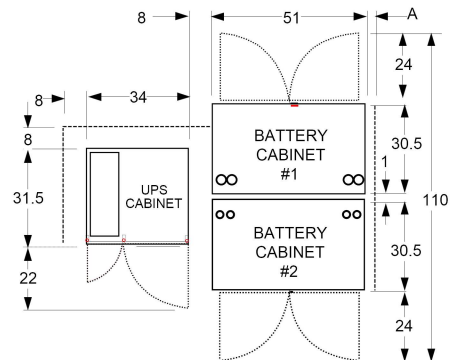


- 40KVA / 32KW
- 50KVA / 40KW
- 60KVA / 48KW



- 40KVA / 32KW
- 50KVA / 40KW
- 60KVA / 48KW

DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC
B	1.0"	8.0"
A	1.0"	4.0"



POWER WAVE 4 BATT CAB, 51" WIDE

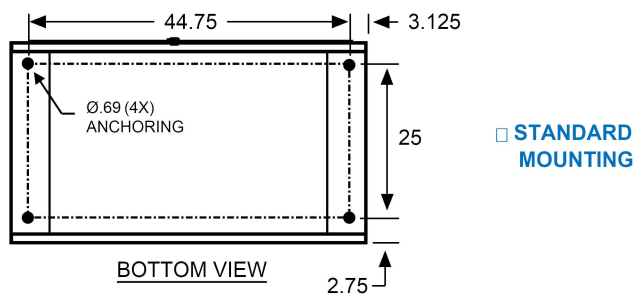
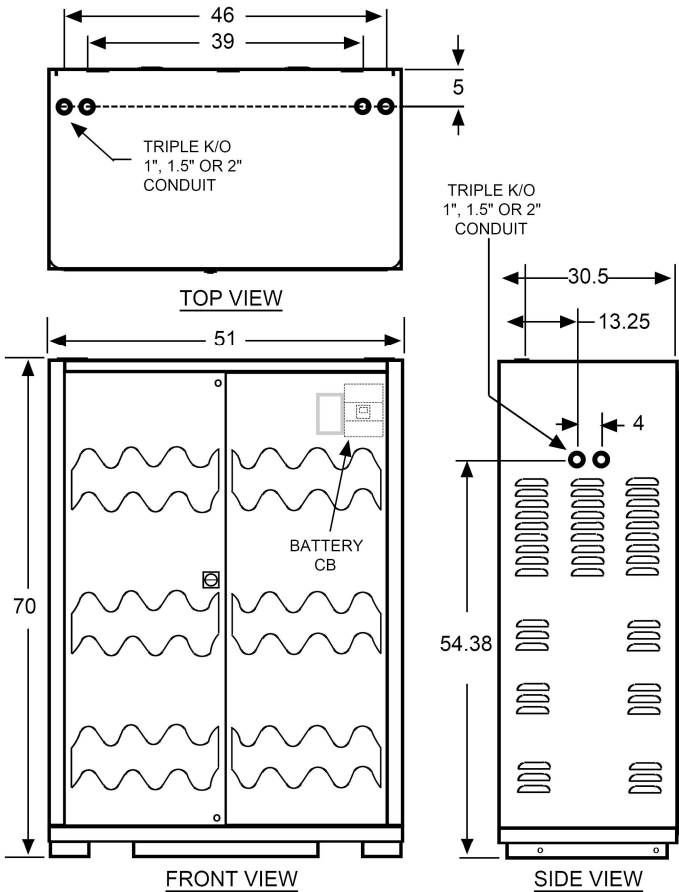
SDR: SHERRIS	04/17/24
CHKD: M.T.	04/17/24
APPVD: HN	04/17/24

DWG NO.: 120-TD-013

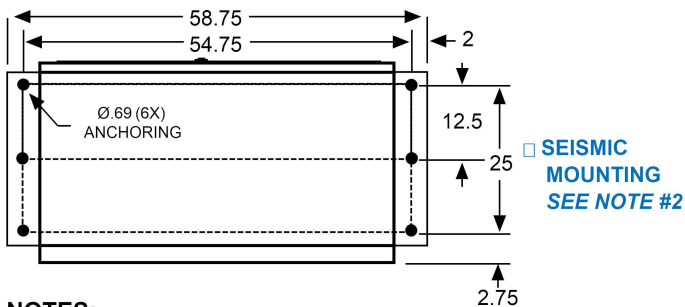
REV.: A
SHT 1 OF 1

SUBJECT TO CHANGE WITHOUT NOTICE

BATTERY CABINET (10 KVA - 60 KVA) LONG LIFE BATTERY



INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 BOTTOM VIEW



NOTES:

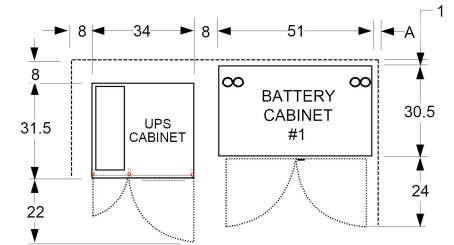
- CONSTRUCTION: NEMA1 INDOOR
- OPTIONAL SEISMIC BRACKETS AVAILABLE:
ANCHORS FOR EXTERNAL SEISMIC BRACKET:
1. USE 1/2" DIA x 2-3/8" MIN. EMBED. HILTI KB-TZ, ICC ESR-1917 OR APPROVED EQUAL (6) TOTAL PER CABINET.
2. CONCRETE: 5" THICK x 2,500 PSI. (MIN. REQ'D).
3. SOIL BEARING PRESSURE: 500 PSF. (MIN. REQ'D).
FOR ALL DETAILS REFER TO SEISMIC DWG. FOR EACH CABINET MOUNTING
- DIMENSIONS ARE IN INCHES

RECOMMENDED SYSTEM LAYOUTS

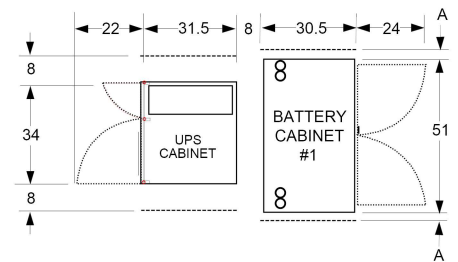
LONG LIFE BATTERY

KVA/KW	BATTERY CABINET QTY 90 MIN.	SELECTION BOX 90 MIN.	BATTERY CABINET QTY 120 MIN.	SELECTION BOX 120 MIN.
10KVA/8KW	1		1	
20KVA/16KW	1		1	
30KVA/24KW	1		1	
40KVA/32KW	1		2	
50KVA/40KW	2		2	
60KVA/48KW	2		2	

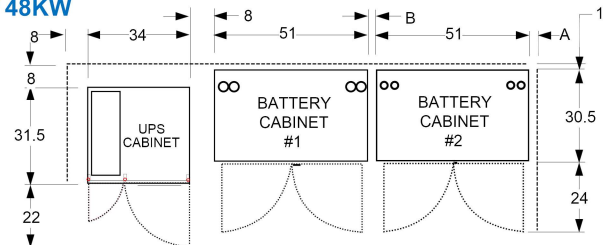
- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW
- 40KVA / 32KW



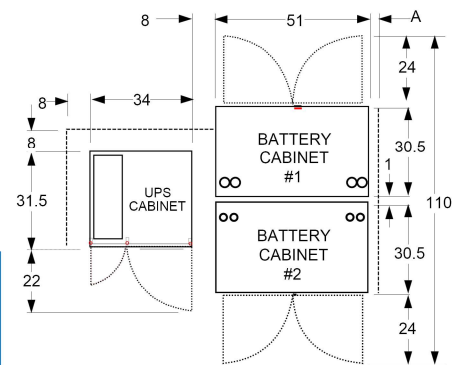
- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW
- 40KVA / 32KW



- 40KVA / 32KW
- 50KVA / 40KW
- 60KVA / 48KW



- 40KVA / 32KW
- 50KVA / 40KW
- 60KVA / 48KW



DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC
B	1.0"	8.0"
A	1.0"	4.0"



POWER WAVE 4 BATT CAB, 51" WIDE

SDR: SHERRIS	04/17/24
CHKD: M.T.	04/17/24
APPVD: HN	04/17/24

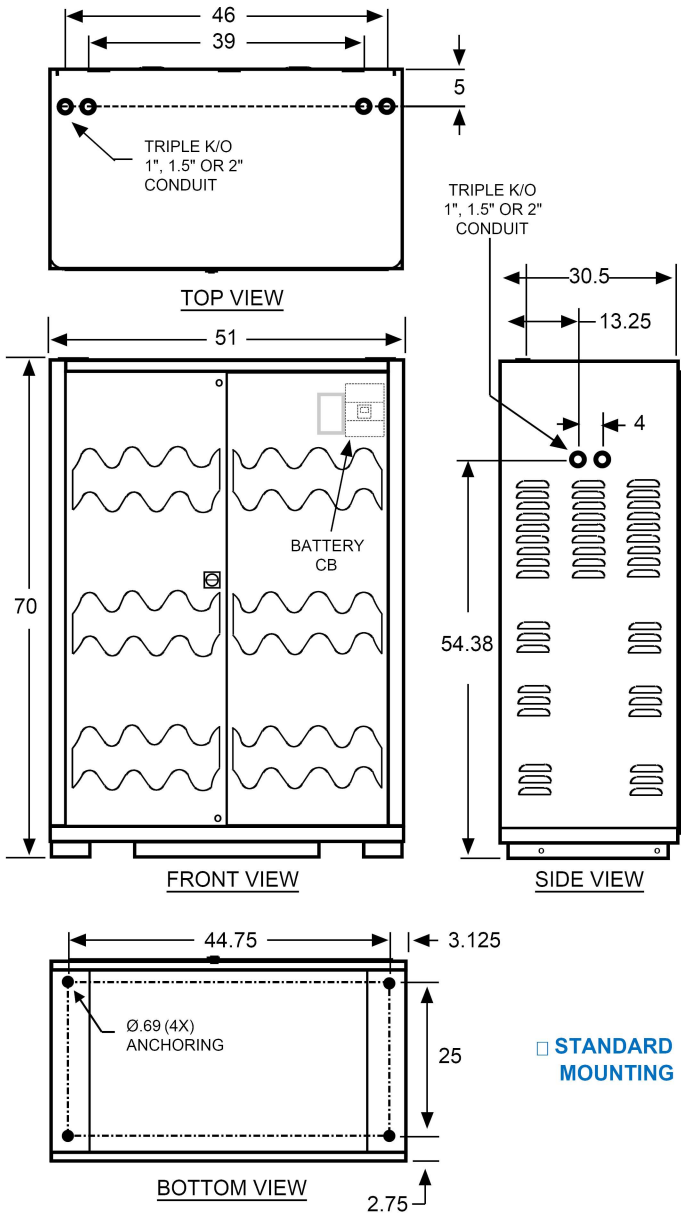
DWG NO.: 120-TD-014

REV.: A

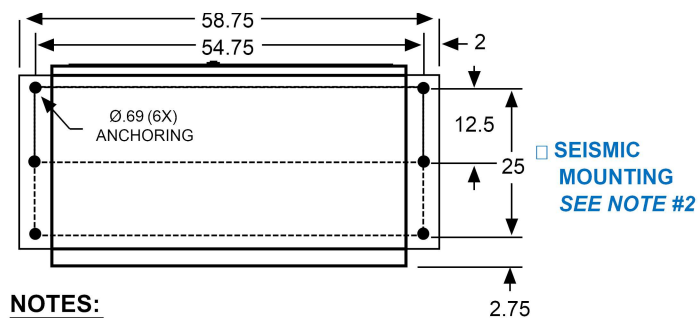
SHT 1 OF 1

SUBJECT TO CHANGE WITHOUT NOTICE

BATTERY CABINET (80 KVA - 160 KVA) STANDARD VRLA BATTERY



INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 BOTTOM VIEW



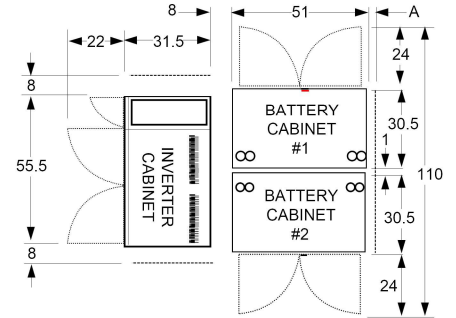
NOTES:

- CONSTRUCTION NEMA1 INDOOR
- OPTIONAL SEISMIC BRACKETS AVAILABLE:
ANCHORS FOR EXTERNAL SEISMIC BRACKET:
1. USE 1/2" DIA x 2-3/8" MIN. EMBED. HILTI KB-TZ, ICC ESR-1917 OR APPROVED EQUAL (6) TOTAL PER CABINET.
2. CONCRETE: 5" THICK x 2,500 PSI. (MIN. REQ'D).
3. SOIL BEARING PRESSURE: 500 PSF. (MIN. REQ'D).
FOR ALL DETAILS REFER TO SEISMIC DWG. FOR EACH CABINET MOUNTING
- DIMENSIONS ARE IN INCHES

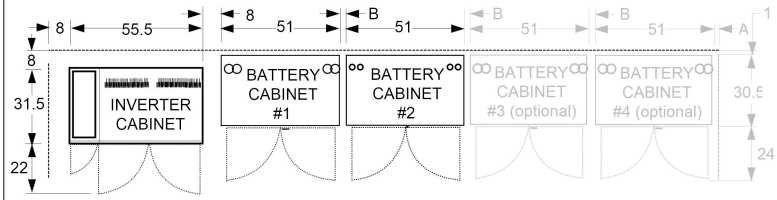
RECOMMENDED SYSTEM LAYOUTS

STANDARD VRLA BATTERY				
KVA/KW	BATTERY CABINET QTY 90 MIN.	SELECTION BOX 90 MIN.	BATTERY CABINET QTY 120 MIN.	SELECTION BOX 120 MIN.
80KVA/64KW	2		3	
100KVA/80KW	3		4	
120KVA/96KW	4		4	
160KVA/128KW	LONG LIFE BATTERY ONLY		LONG LIFE BATTERY ONLY	

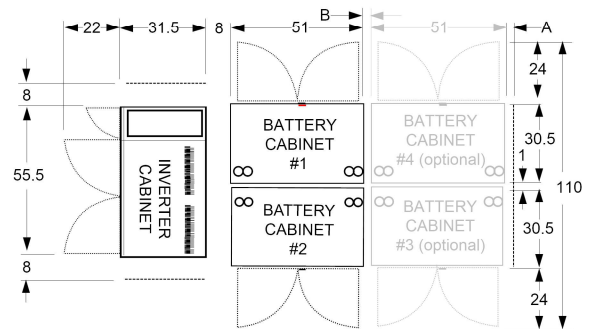
80KVA



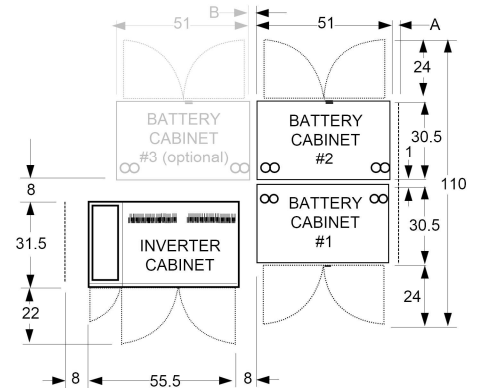
80KVA 100KVA 120KVA



80KVA
100KVA
120KVA



80KVA
100KVA



DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC
B	1.0"	8.0"
A	1.0"	4.0"



POWER WAVE 4
BATT CAB, 51" WIDE

SDR: SHERRIS	04/17/24
CHKD: M.T.	04/17/24
APPVD: HN	04/17/24

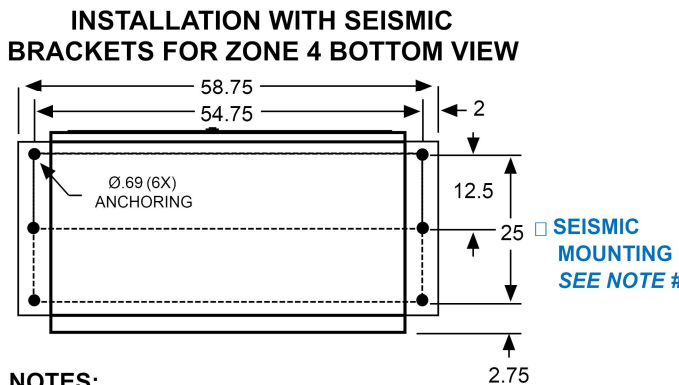
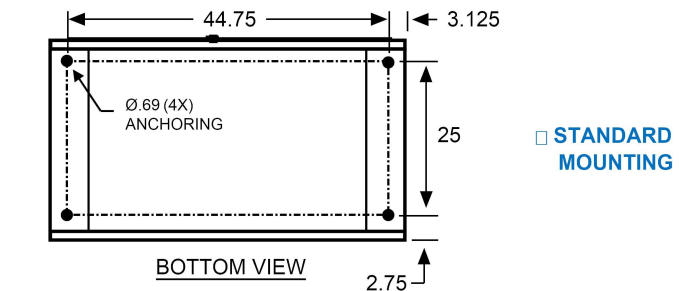
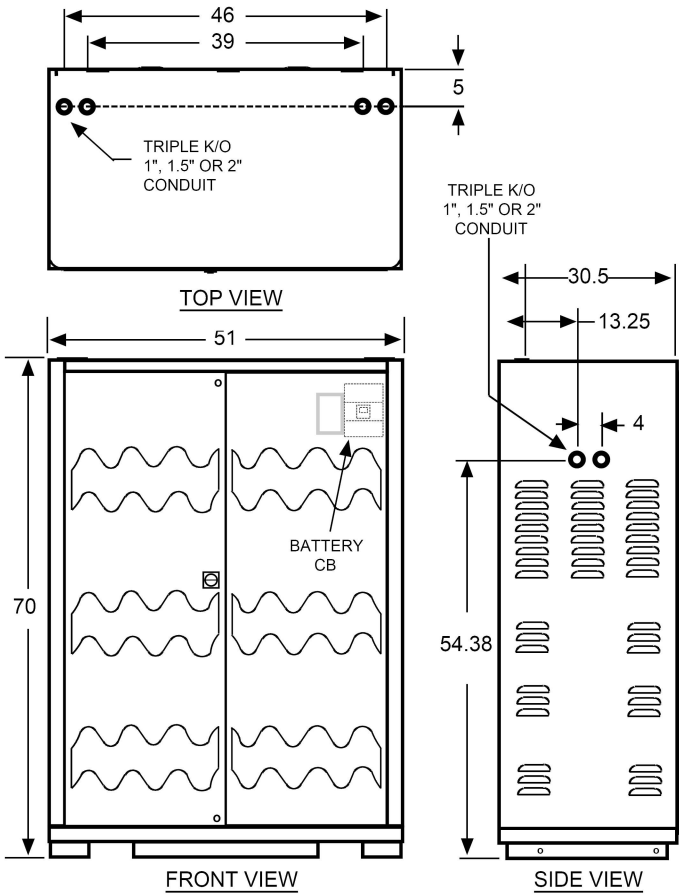
DWG NO.: 120-TD-015

REV.: A

SHT 1 OF 1

SUBJECT TO CHANGE WITHOUT NOTICE

BATTERY CABINET (80 KVA - 160 KVA) LONG LIFE BATTERY

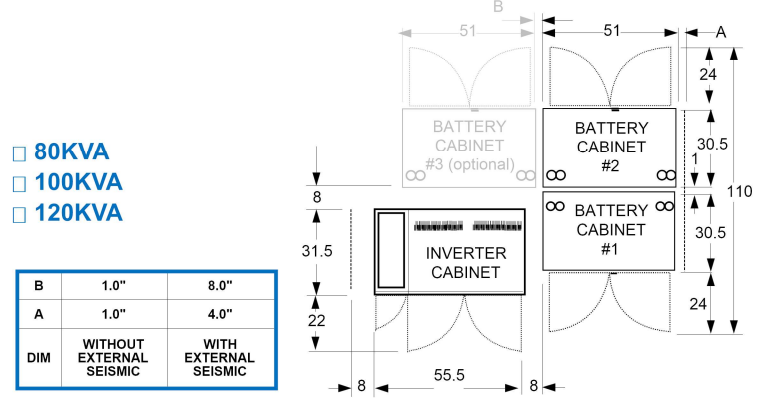
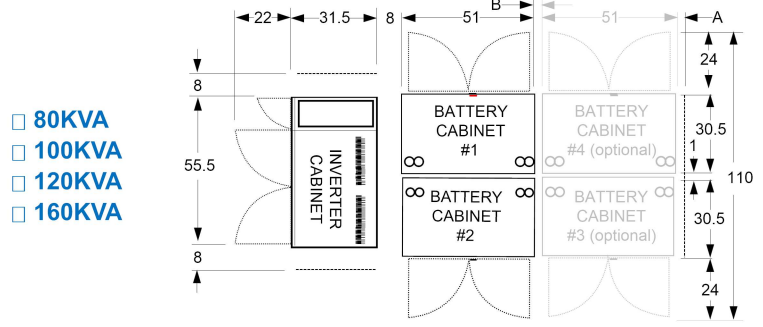
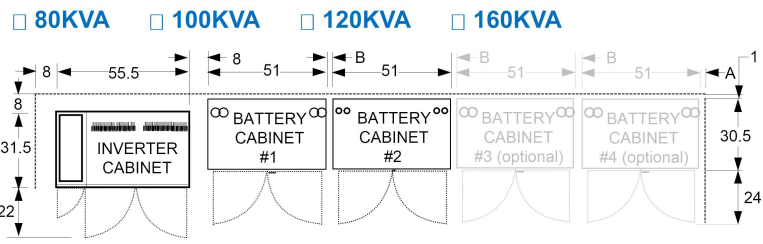
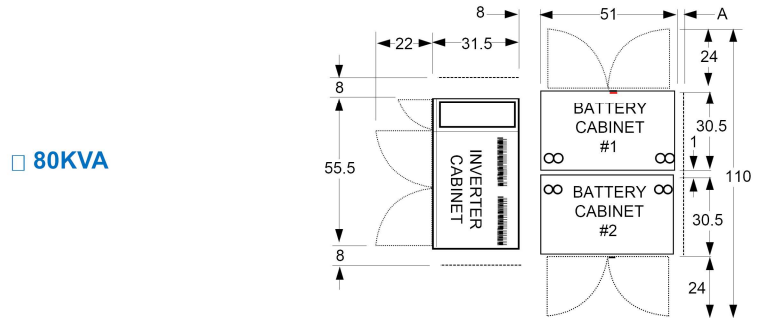


NOTES:

- 1) CONSTRUCTION NEMA1 INDOOR
 - 2) OPTIONAL SEISMIC BRACKETS AVAILABLE:
ANCHORS FOR EXTERNAL SEISMIC BRACKET:
1. USE 1/2" DIA x 2-3/8" MIN. EMBED. HILTI KB-TZ, ICC ESR-1917 OR APPROVED EQUAL (6) TOTAL PER CABINET.
2. CONCRETE: 5" THICK x 2,500 PSI. (MIN. REQ'D).
3. SOIL BEARING PRESSURE: 500 PSF. (MIN. REQ'D).
 - 3) DIMENSIONS ARE IN INCHES
- FOR ALL DETAILS REFER TO SEISMIC DWG. FOR EACH CABINET MOUNTING

RECOMMENDED SYSTEM LAYOUTS

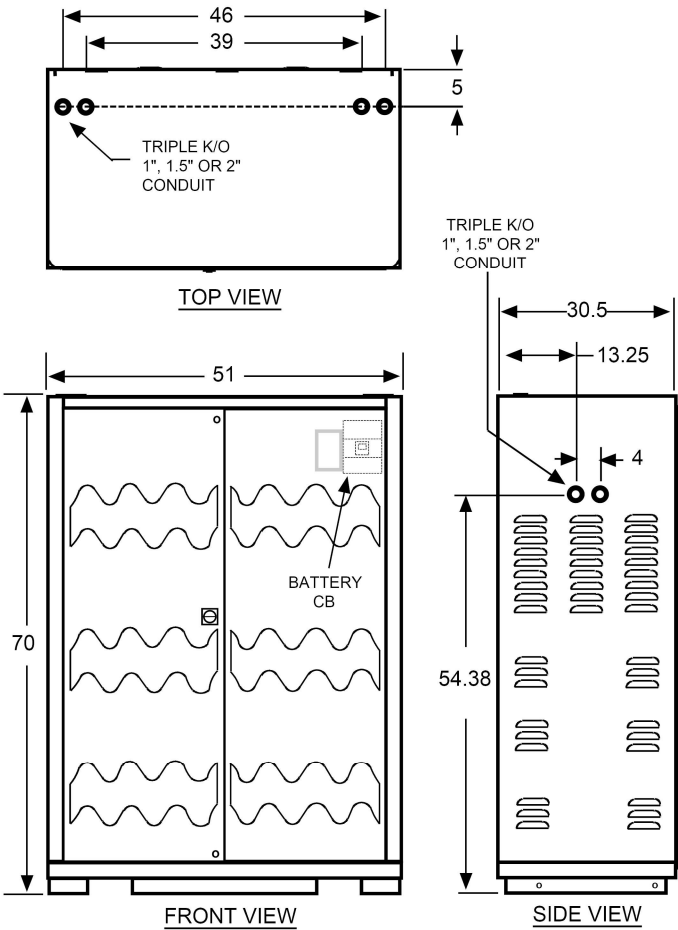
LONG LIFE BATTERY				
KVA/KW	BATTERY CABINET QTY 90 MIN.	SELECTION BOX 90 MIN.	BATTERY CABINET QTY 120 MIN.	SELECTION BOX 120 MIN.
80KVA/64KW	2		3	
100KVA/80KW	3		3	
120KVA/96KW	3		4	
160KVA/128KW	4		5	



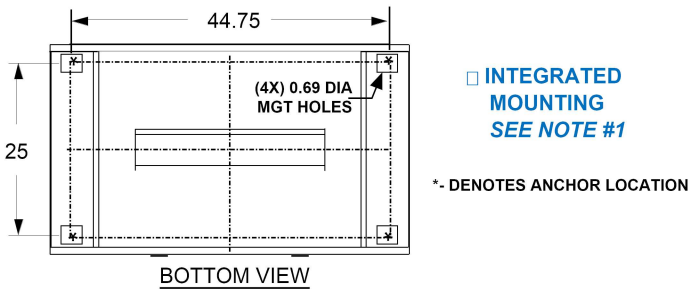
		POWER WAVE 4 BATT CAB, 51" WIDE	
		SDR : SHERRIS, 04/17/24	REV.: A
CHKD : M.T., 04/17/24		DWG NO.: 120-TD-016	SHT 1 OF 1
APPVD : HN, 04/17/24		SUBJECT TO CHANGE WITHOUT NOTICE	

BATTERY CABINET (10 KVA - 60 KVA)

INTEGRATED BRACKETS



INSTALLATION WITH INTEGRATED SEISMIC MOUNTING FOR ZONE 4



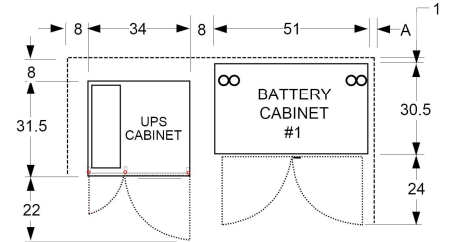
NOTES:

- CONSTRUCTION: NEMA1 INDOOR
- ANCHORS FOR INTEGRATED SEISMIC MOUNTING:**
 - USE 5/8" DIA x 3-3/4" MIN. EMBED HILTI KB-TZ ANCHORS, ICCESR-1917 (LARR#25701) OR APPROVED EQUAL (4) TOTAL PER CABINET, (2) PER ANCHOR BRACKET
 - CONCRETE 5" THICK x 2,500 PSI (MIN. REQ'D)
 - SOIL BEARING PRESSURE 500PSF (MIN. REQ'D)
- FOR ALL DETAILS REFER TO SEISMIC DWG. FOR EACH CABINET MOUNTING
- DIMENSIONS ARE IN INCHES

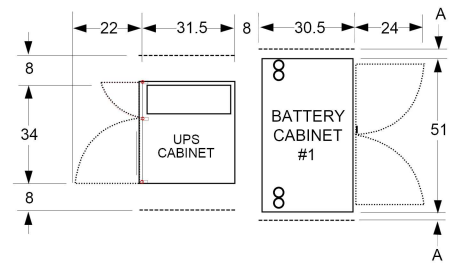
RECOMMENDED SYSTEM LAYOUTS

STANDARD VRLA BATTERY				
KVA/KW	BATTERY CABINET QTY 90 MIN.	SELECTION BOX 90 MIN.	BATTERY CABINET QTY 120 MIN.	SELECTION BOX 120 MIN.
10KVA/8KW	1		1	
20KVA/16KW	1		1	
30KVA/24KW	1		1	
40KVA/32KW	2		2	
50KVA/40KW	2		2	
60KVA/48KW	2		2	

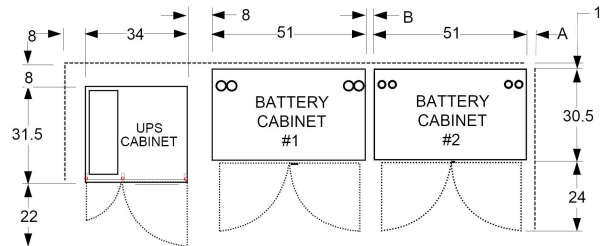
- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW



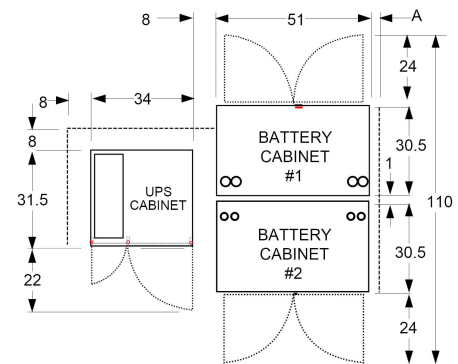
- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW



- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW
- 40KVA / 32KW
- 50KVA / 40KW
- 60KVA / 48KW



- 10KVA / 8KW
- 20KVA / 16KW
- 30KVA / 24KW
- 40KVA / 32KW
- 50KVA / 40KW
- 60KVA / 48KW

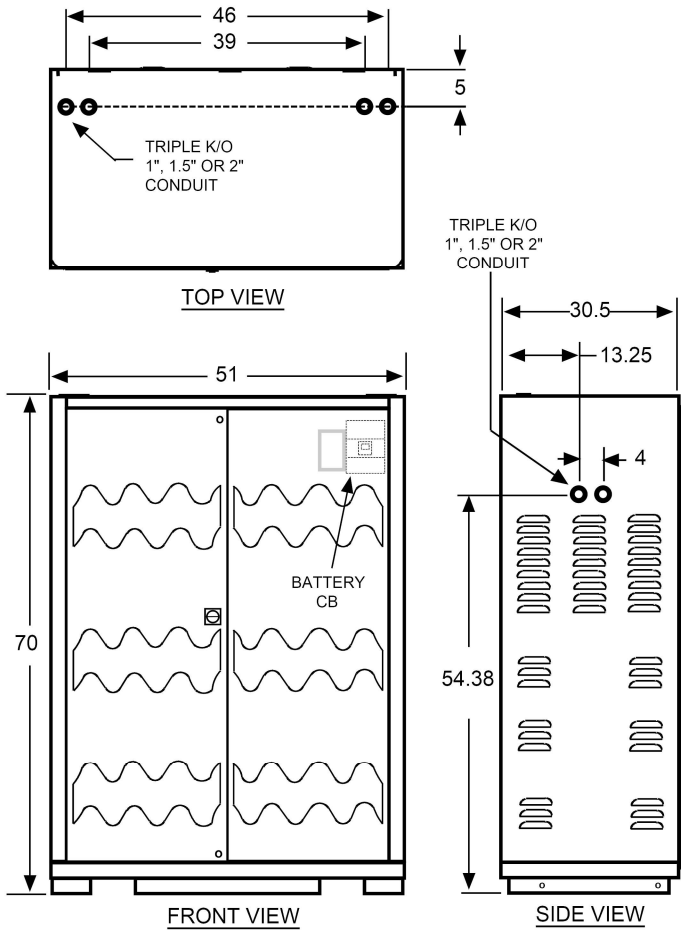


B	1.0"
A	1.0"
DIM	WITH INTEGRATED SEISMIC

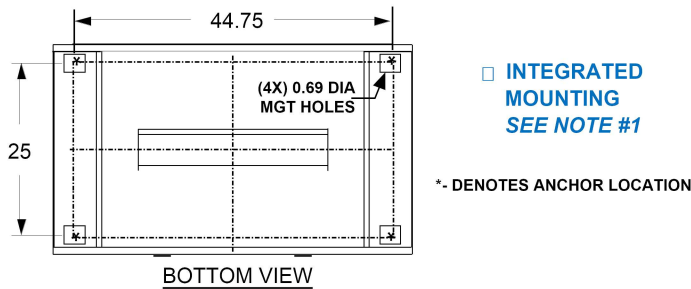
	POWER WAVE 4 BATT CAB, 51" WIDE	
	SDR : SHERRIS 04/17/24	DWG NO.: 120-TD-017
CHKD : M.T. 04/17/24	SHT 1 OF 1	
APPVD : HN 04/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	

BATTERY CABINET (80 KVA - 160 KVA)

INTEGRATED BRACKETS



INSTALLATION WITH INTEGRATED SEISMIC MOUNTING FOR ZONE 4



NOTES:

1) CONSTRUCTION: NEMA1 INDOOR

ANCHORS FOR INTEGRATED SEISMIC MOUNTING:

- USE 5/8" DIA x 3-3/4" MIN. EMBED HILTI KB-TZ ANCHORS, ICCESR-1917 (LARR#25701) OR APPROVED EQUAL (4) TOTAL PER CABINET, (2) PER ANCHOR BRACKET
- CONCRETE 5" THICK x 2,500 PSI (MIN. REQ'D).
- SOIL BEARING PRESSURE 500PSF (MIN. REQ'D)

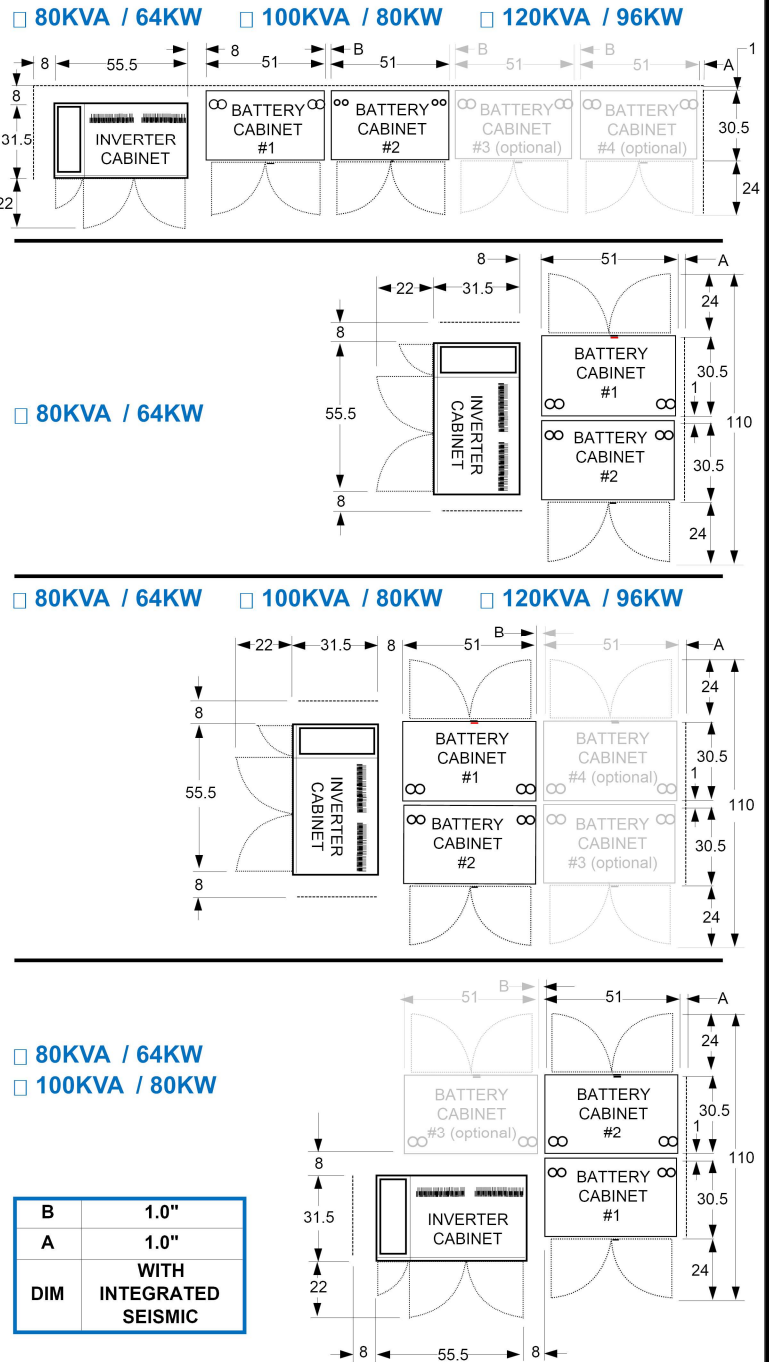
FOR ALL DETAILS REFER TO SEISMIC DWG. FOR EACH CABINET MOUNTING

2) DIMENSIONS ARE IN INCHES

RECOMMENDED SYSTEM LAYOUTS

STANDARD VRLA BATTERY

KVA/KW	BATTERY CABINET QTY 90 MIN.	SELECTION BOX 90 MIN.	BATTERY CABINET QTY 120 MIN.	SELECTION BOX 120 MIN.
80KVA/64KW	2		3	
100KVA/80KW	3		4	
120KVA/96KW	4		4	
160KVA/128KW	LONG LIFE BATTERY ONLY		LONG LIFE BATTERY ONLY	



POWER WAVE 4
BATT CAB, 51" WIDE

SDR : SHERRIS	04/17/24
CHKD : M.T.	04/17/24
APPVD : HN	04/17/24

DWG NO.: 120-TD-018

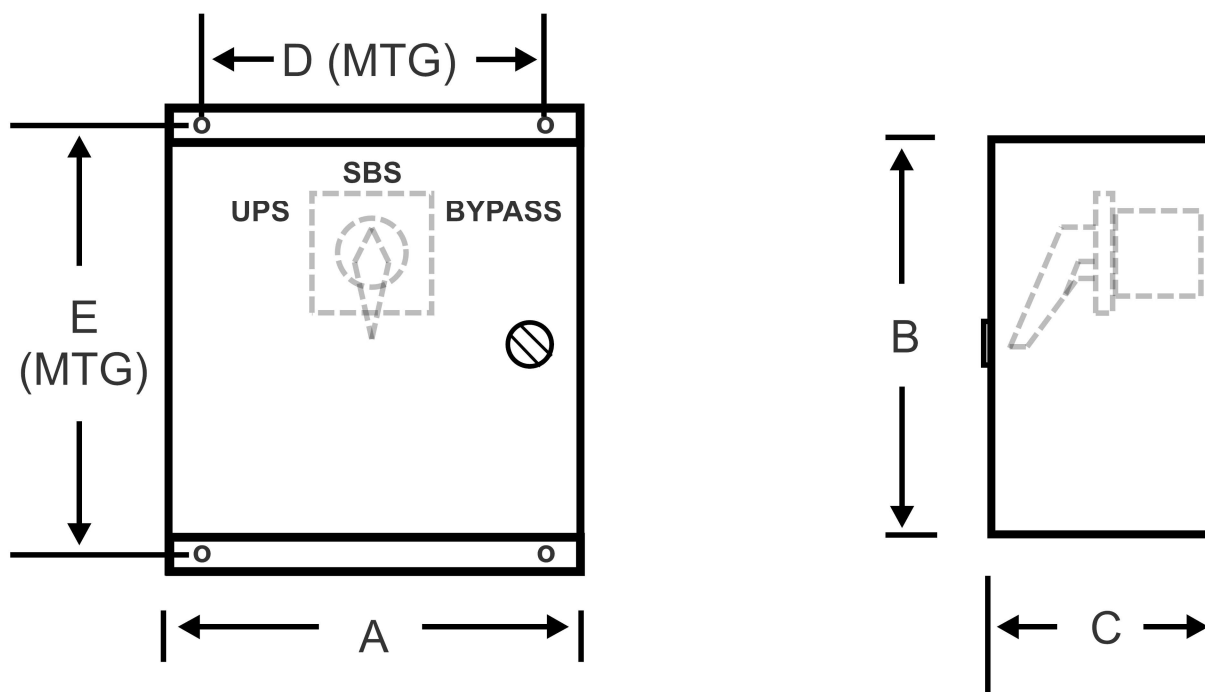
REV.: A

SHT 1 OF 1

SUBJECT TO CHANGE WITHOUT NOTICE

MAKE BEFORE BREAK EXTERNAL WRAP AROUND BY-PASS SWITCH

350 AMPS	600V	30	36	16	28.5	34.5
240 AMPS	600V	30	30	12	28.5	28.5
175 AMPS	600V	20	20	12	18.5	18.5
110 AMPS	600V	14	16	10	12	16.75
55 AMPS	600V	14	16	8	12	16.75
RATING	VOLTAGE	DIM A	DIM B	DIM C	DIM D (MTG)	DIM E (MTG)

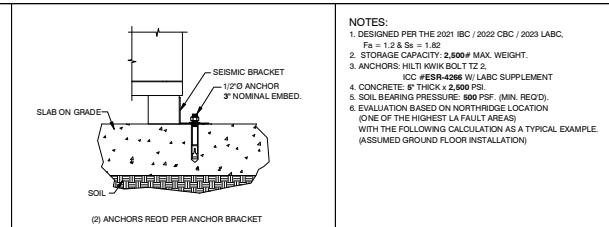
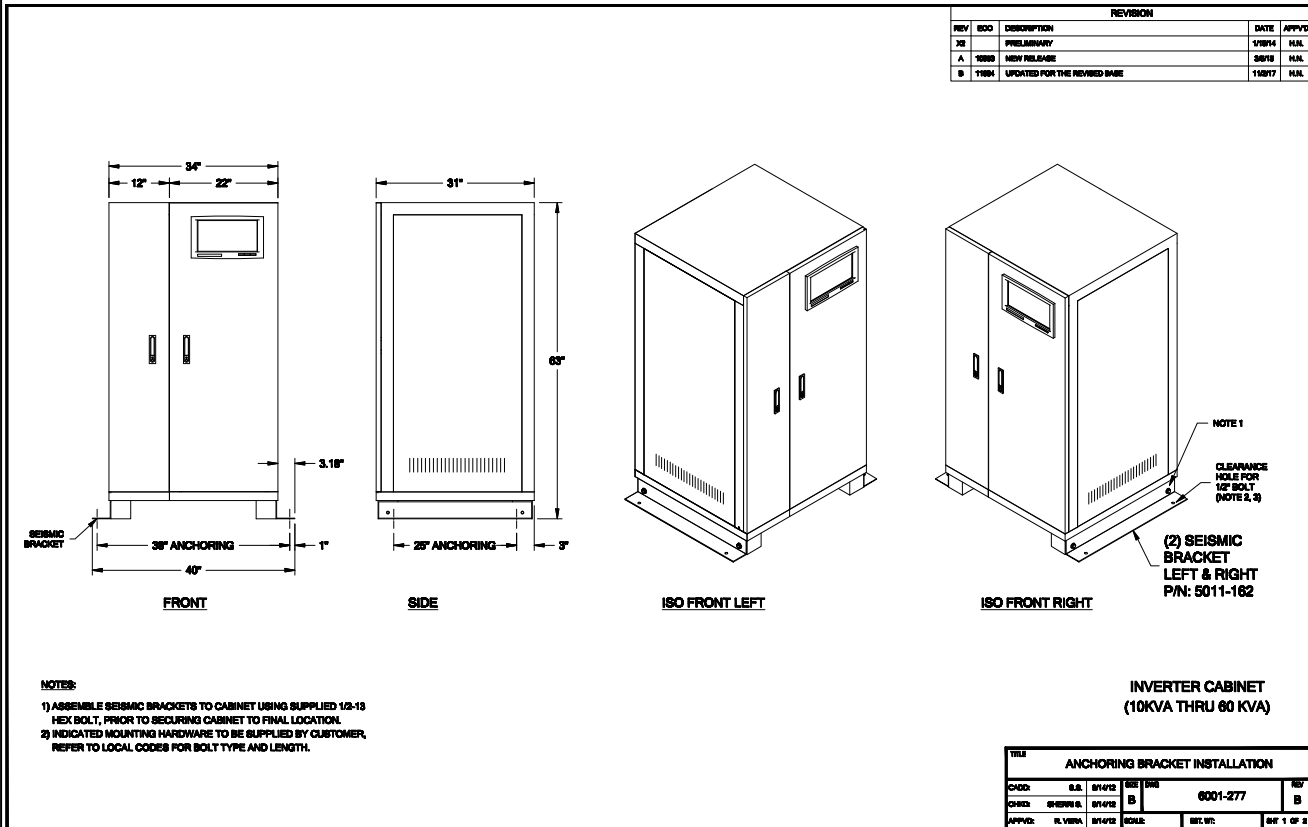


NOTES:

- 1) SWITCH CONTACTS ARE THREE PHASE L-NEUTRAL "MAKE BEFORE-BREAK"
- 2) CONTACTS MARKED "UPS" ARE CLOSED IN THE "UPS" POSITION
- 3) CONTACTS MARKED "BYPASS" ARE CLOSED IN THE "BYPASS" POSITION
- 4) CONTACTS MARKED "SBS" ARE CLOSED IN THE "SBS" POSITION
- 5) WRAP AROUND BY-PASS SWITCH IS FOR SAME INPUT/OUTPUT VOLTAGES ONLY
- 6) WRAP AROUND BY-PASS SWITCH CAN ONLY BE USED WITHOUT ANY BUILT-IN SECONDARY DISTRIBUTION CIRCUIT BREAKERS IN UPS

		POWER WAVE 3 / 4 EXTERNAL WRAP AROUND BYPASS SWITCH	
		SDR : SS 4/17/24	DWG NO.: 115-TD-016
CHKD : BC 4/17/24	APPVD : HN 4/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	
		SHT 1 OF 1	

REVISION					
REV	ISS	DESCRIPTION	DATE	APPROV	
00		PRELIMINARY	1/18/14	HAL	
A	10000	NEW RELEASE	06/18	HAL	
B	11004	UPDATED FOR THE REVISED BASE	11/21/17	HAL	



NOTES:
 1. DESIGNED PER THE 2021 IBC / 2022 CBC / 2023 IABC.
 Fa = 1.2 & Ss = 1.82
 2. STORAGE CAPACITY: 2,500# MAX. WEIGHT.
 3. ANCHORS: HILTI KWIK-BOLT T 22.
 ICC #ESR-4266 W/ IABC SUPPLEMENT
 4. CONCRETE: 6" THICK x 2,500 PSI.
 5. SOIL BEARING PRESSURE: 600 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: INVERTER CABINET
 ANALYSIS BASED ON SECTION 16.3 OF THE AISC 7-16 SPECIFICATION
 REFERENCED IN CHAPTER 16 OF THE 2021 IBC/2022 CBC/2023 IABC

$F_p (13.3-3) = 0.4 \times w_p \times S_{ps} \times W_p (W_p / I_p)$ $0.236 \times W_p$
 $F_p (13.3-2) = 1.6 \times S_{ps} \times 15 \times W_p$ $2.388 \times W_p$ SHALL NOT BE GREATER THAN
 $F_p (13.3-3) = 0.2 \times S_{ps} \times 15 \times W_p$ $0.438 \times W_p$ SHALL NOT BE LESS THAN

SITE CLASS = D
 Fe = 1.2
 Ss = 1.82
 Sps = 1.45
 Ip = 1.00
 Rp = 2.5 ASCE 7-16 Table 13.5-1
 wp = 1 ASCE 7-16 Table 13.5-1

Wp = 2500 LB
 $0.77F_p = 0.77 \times 0.438 \times W_p$
 = 0.31×2500 LB
 = 767 LB

OVERTURNING ANALYSIS:
 CABINET HEIGHT, Hc = 63.0 IN
 ANCHORS SPACING, D = 25.0 IN

$M_{ot} = W_{ps} H_c (1/2 H_c)$
 = $767 \text{ LB} \times 63 \text{ IN} \times 1/2$
 = 24,145 IN-LB
 $M_{res} = W_p D/2$
 = $2500 \text{ LB} \times 25 \text{ IN} / 2$
 = 31,250 IN-LB
 $P_{ullover} = (M_{ot} - 0.8 M_{res}) / D$
 = $(24,145 \text{ IN-LB} - 0.8 \times 31,250 \text{ IN-LB}) / 25 \text{ IN}$
 = 216 LB < UPLIFT

ANCHORS
 ALLOWABLE CAPACITY PER ICC REPORT AND AISC 318-14 CHAPTER 17
 PULLOUT: 1170 LB T_{nominal, nio}
 SHEAR: 2340 LB V_{nominal, nio}

COMBINED STRESS = $(216 \text{ LB} / 2340 \text{ LB}) + (767 \text{ LB} / 9560 \text{ LB})$
 = 0.17 < 1.7 OK

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

INVERTER CABINET
 (10KVA THRU 60 KVA)

TITLE					
CHDR	D.S.	DATE	REV	DATE	REV
CHDR	01/18/14		B	06/01-277	B
CHDR	06/18/18	01/18/18	B		
APPROV:	KL VERA	01/18/18	SCALE	DATE	SHEET 1 OF 3

POWER COMPANY
 NORTHRIDGE, CA 91324

NO.	DATE	BY	DESCRIPTION

NO.	DATE	BY	DESCRIPTION

SEIZMIC
 EST. 1993
 ENGINEERING, INC.
 1130 E. Cypress St.
 Covina, California
 91724
 Tel: (909) 869-0989

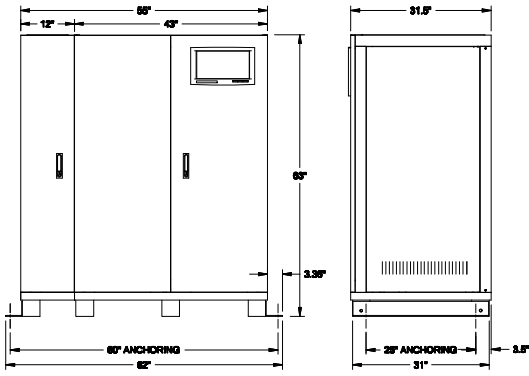
DRAWN BY: M.V. / T.C.
 DATE: 01/25/24
 CHECKED BY:
 REV. DATE:
 TYPE:
 SCALE: N.T.S.
 APPROV BY: DALE PATERN



CABINET
 DETAILS

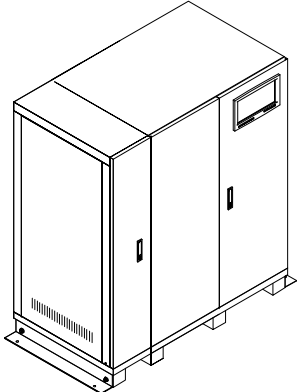
DRAWING NUMBER:
 24-0186-C

CALCULATIONS

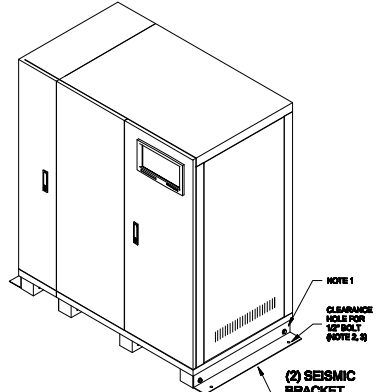


FRONT

SIDE



ISO FRONT LEFT

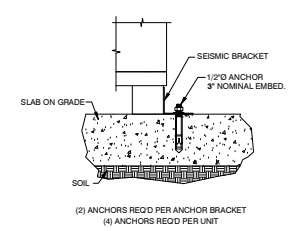


ISO FRONT RIGHT

(80KVA THRU 180 KVA)

- NOTES:**
- 1) ASSEMBLE SEISMIC BRACKETS TO CABINET USING SUPPLIED 1/2-13 HEX BOLT, PRIOR TO RELOCATING CABINET TO FINAL LOCATION.
 - 2) INDICATED MOUNTING HARDWARE TO BE SUPPLIED BY CUSTOMER. REFER TO LOCAL CODES FOR BOLT TYPE AND LENGTH.

REV	DATE	DESCRIPTION
B	0601-277	
SCALE: DR. W. OF 1 OF 2		



1 ANCHOR DETAIL

LOADS & DISTRIBUTION: INVERTER CABINET

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

Fp (13.3-1) = 0.4 x ap x Suo / (Rp / Ic)	0.234 x Wp	
Fp (13.3-2) = 1.6 x Suo x Ip x Wp	2.336 x Wp	SHALL NOT BE GREATER THAN
Fp (13.3-3) = 0.3 x Suo x Ip x Wp	0.438 x Wp	SHALL NOT BE LESS THAN

SITE CLASS = D
 Fa = 1.2
 Ss = 1.83
 Suo = 1.46
 Ip = 1.00
 Rp = 2.5 ASCE 7-16 Table 13.5-1
 a0 = 1 ASCE 7-16 Table 13.5-1

Wp = 4000 LB
 0.7Fp = 0.7 * 0.438 * Wp = 0.317 * 4000 LB = 1,228 LB

OVERTURNING ANALYSIS:

CABINET HEIGHT, H = 63.0 IN
 ANCHORS SPACING, D = 25.0 IN

Mot = V * (H / 12) H
 = 1228 LB * 63 IN * 1/2
 = 38,632 IN-LB

Mst = Wp * D / 2
 = 4000 LB * 25 IN / 2
 = 50,000 IN-LB

Puplft = (Mot - 0.6 * Mst) / D
 = (38632 IN-LB - 0.6 * 50000 IN-LB) / 25 IN
 = 345 LB = -ve UPLIFT

ANCHORS
 ALLOWABLE CAPACITY PER ICC REPORT AND ACI 318-14 CHAPTER 17
 PULLOUT: 1170 LB $\sqrt{A_{bracket, net}}$
 SHEAR: 2300 LB $\sqrt{A_{bracket, net}}$

COMBINED STRESS = (345 LB / 2340 LB) = (1226 LB / 9560 LB) = 0.28 < 1.2 OK

USE 1/2" x 3" MIN. EMBED. H.L.T.I. K8-T22 (ICC ESR-4266) OR APPROVED EQUAL (4) PER CABINET

- NOTES:**
1. DESIGNED PER THE 9021 IBC / 2022 CBC / 2023 IABC. Fa = 1.2 & Ss = 1.82.
 2. STORAGE CAPACITY: 4,000# MAX. WEIGHT.
 3. ANCHORS: MULTI-ROW BOLT T22, ICC #ESR-4266 W/ LABC SUPPLEMENT
 4. CONCRETE: 6" THICK x 2,800 PSI.
 5. SOIL BEARING PRESSURE: 100 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)

POWER COMPANY
 NORTHBRIDGE, CA 91324

NO.	DATE	DESCRIPTION

REV.	DATE	BY	DESCRIPTION

SEIZMIC
 EST. 1990
 SEIZMIC
 ENGINEERING, INC.
 1100 S. Cypress St.
 Covina, California
 91724
 Tel. (909) 869-0999

DRAWN BY: M.V. J.T.C.
 DATE: 01/25/24
 JOB REV. BY:
 REV. DATE:
 TYPE:
 SCALE: N.T.S.
 APPROV BY: SALE PATREY



12-31-2025

DESCRIPTION:
CABINET DETAILS

DRAWING NUMBER:
24-0186-D

CALCULATIONS

