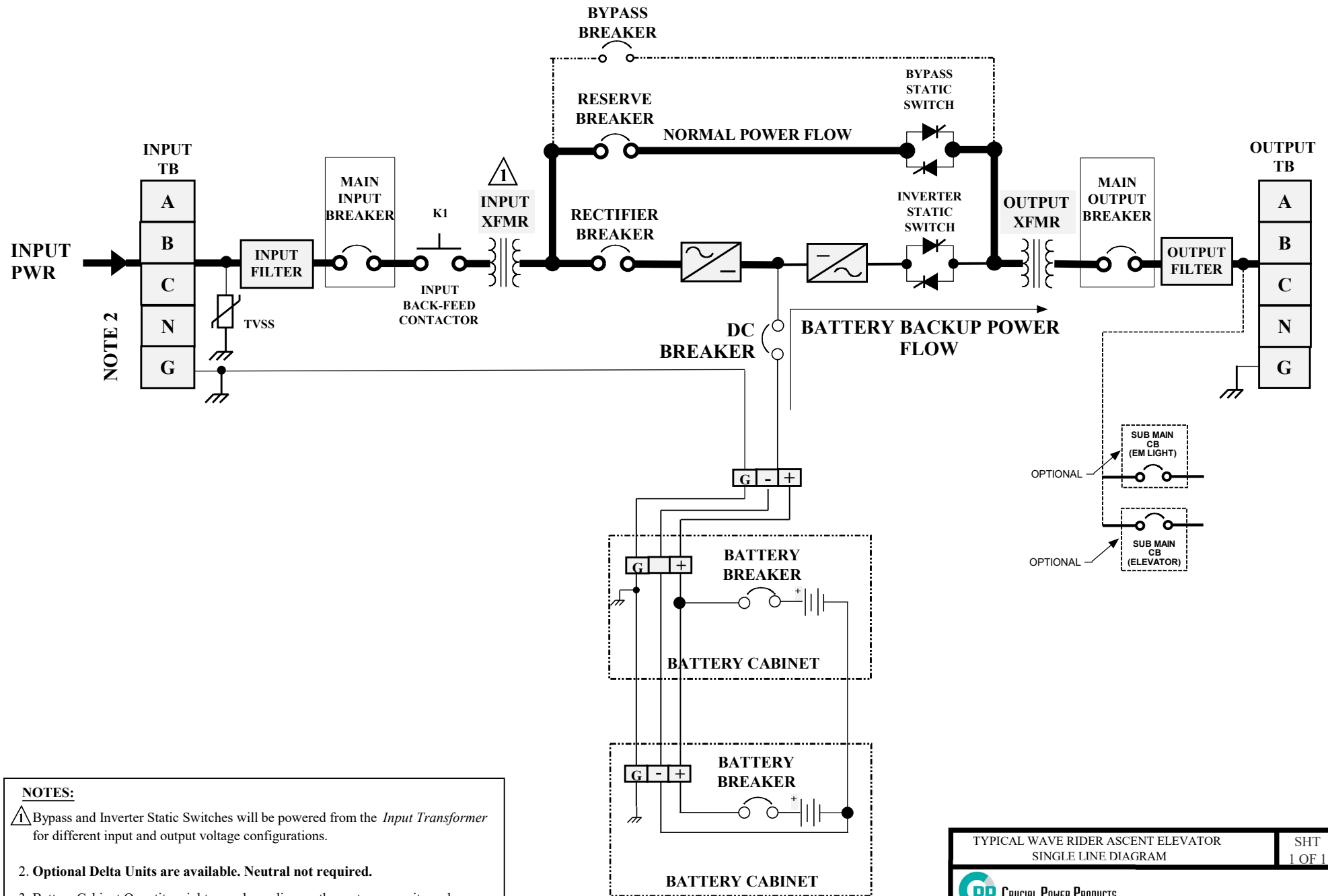


WAVE RIDER ASCENT ELEVATOR TYPICAL SINGLE LINE DIAGRAM



NOTES:

1. Bypass and Inverter Static Switches will be powered from the *Input Transformer* for different input and output voltage configurations.

2. Optional Delta Units are available. Neutral not required.

3. Battery Cabinet Quantity might vary depending on the system capacity and battery type.

BATTERY CABINETS AS NEEDED

TYPICAL WAVE RIDER ASCENT ELEVATOR
SINGLE LINE DIAGRAM

SHT
1 OF 1



CRUCIAL POWER PRODUCTS

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

DRAWN : TH

11/22/24

APPVD : SS

11/22/24

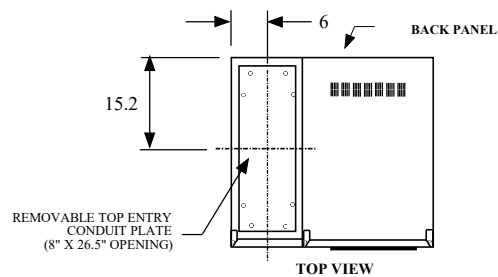
420-E-TD-010

REV
B

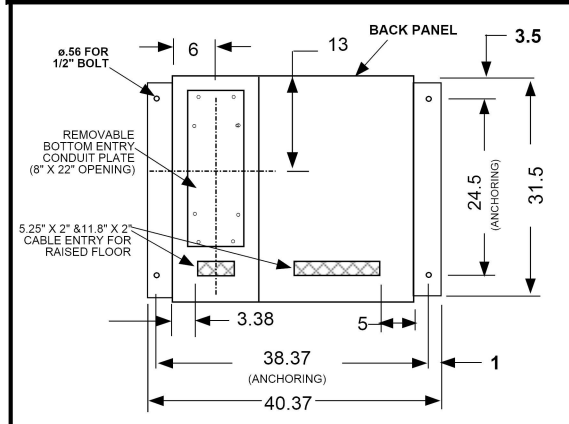
ELECTRONIC CABINET ONLY (24KW - 50KW)

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

□ STANDARD MOUNTING

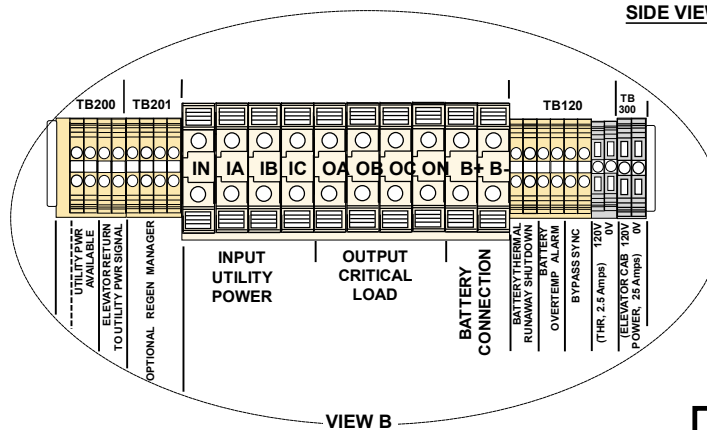
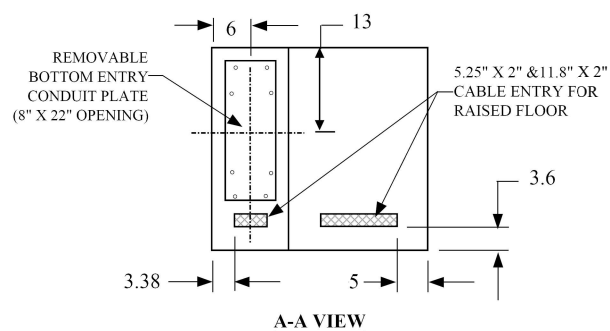
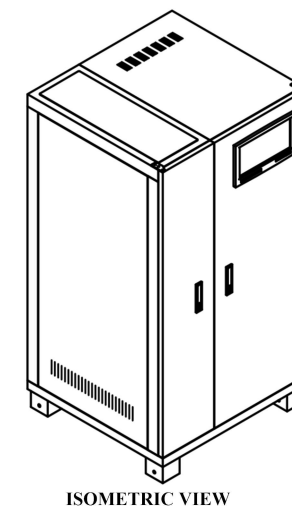
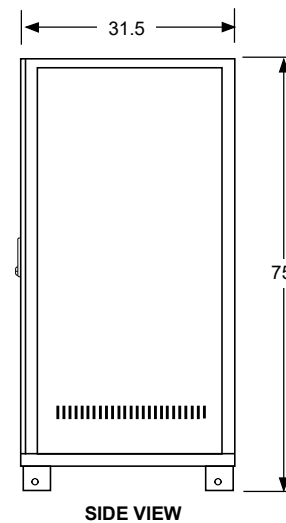
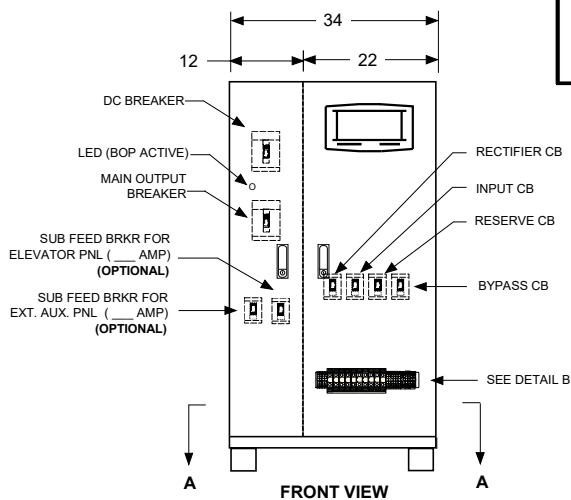


□ INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 TOP VIEW (OPTIONAL)

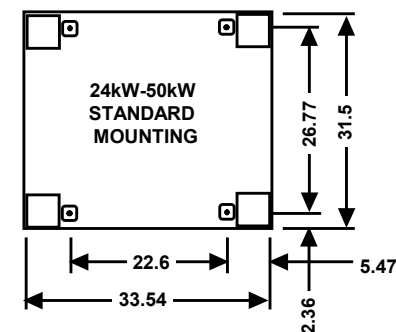


NOTES:

- 1) CONSTRUCTION: INDOOR, COLOR BLACK
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES
- 4) *SHAKER TABLE TESTED (HCAI OSP) UNITS HAVE A HEIGHT OF 63". CONSULT THE FACTORY FOR MORE DETAILS



INPUT NEUTRAL (IN) NOT REQ'D FOR DELTA INPUT.
MUST BE SPECIFIED AT THE TIME OF ORDERING

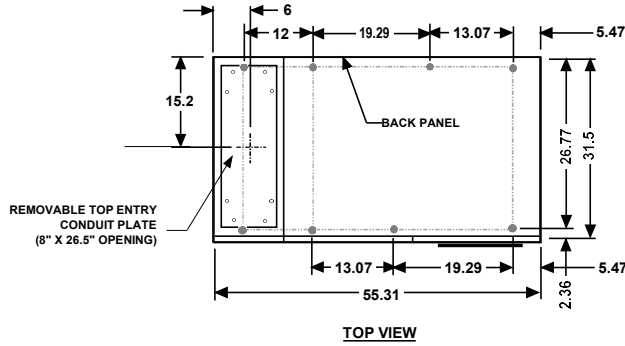


WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP ELECTRONIC CABINET		SHT 1 OF 1
 CRUCIAL POWER PRODUCTS SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE		
DRAWN : TH	11/22/24	420-E-TD-011
APPVD : SS	11/22/24	
		REV B

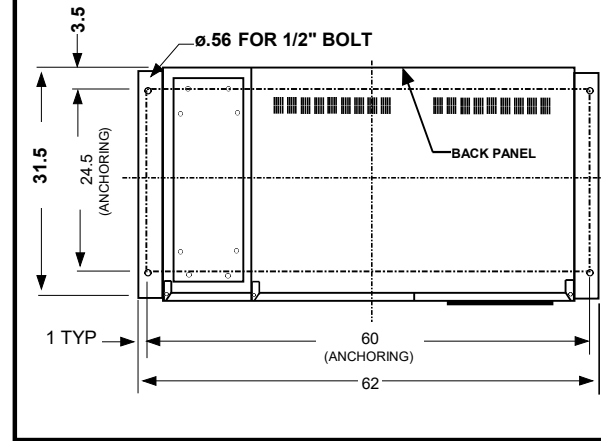
ELECTRONIC CABINET ONLY (64KW - 128KW)

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

□ STANDARD MOUNTING

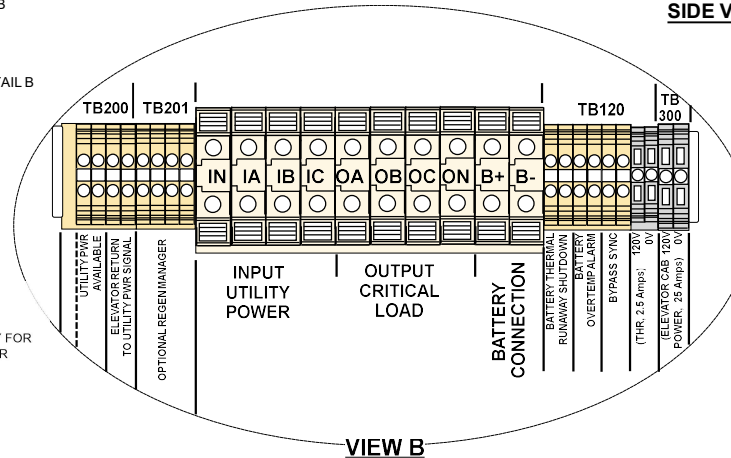
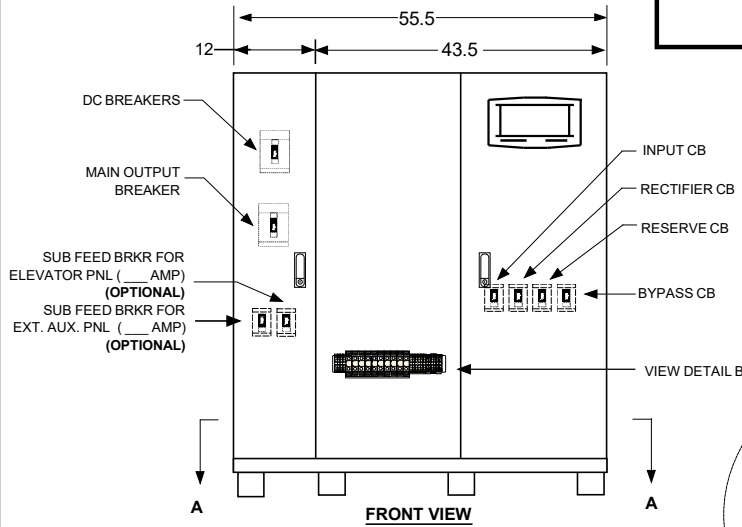
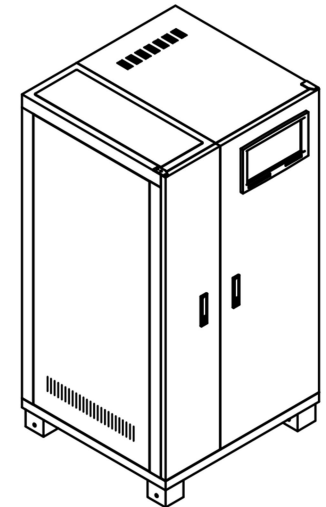
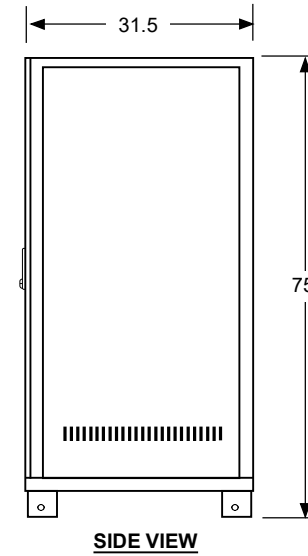


□ INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 TOP VIEW (OPTIONAL)

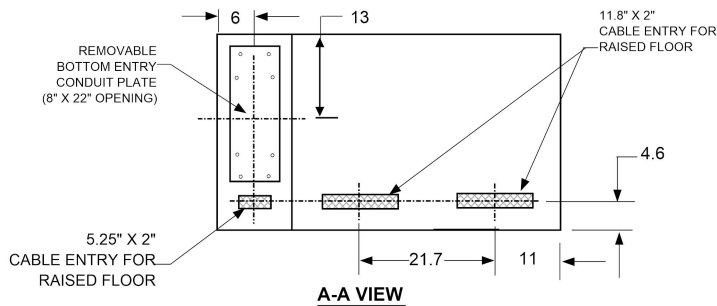


NOTES:

- 1) CONSTRUCTION: INDOOR, COLOR BLACK
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES
- 4) *SHAKER TABLE TESTED (HCAI OSP) UNITS HAVE A HEIGHT OF 63". CONSULT THE FACTORY FOR MORE DETAILS



INPUT NEUTRAL (IN) NOT REQ'D FOR DELTA INPUT.
MUST BE SPECIFIED AT THE TIME OF ORDERING



WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP
ELECTRONIC CABINET

SHT
1 OF 1

CP CRUCIAL POWER PRODUCTS
SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

DRAWN : TH 11/22/24
APPVD : SS 11/22/24

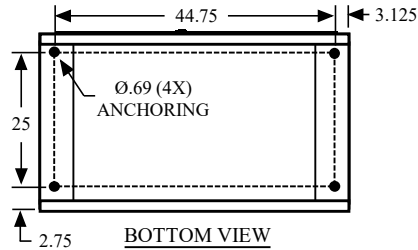
420-E-TD-012

REV
B

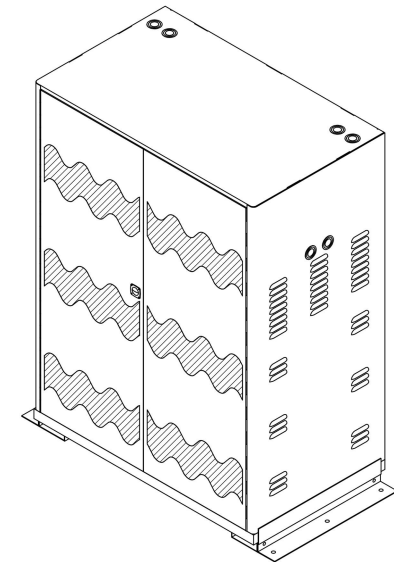
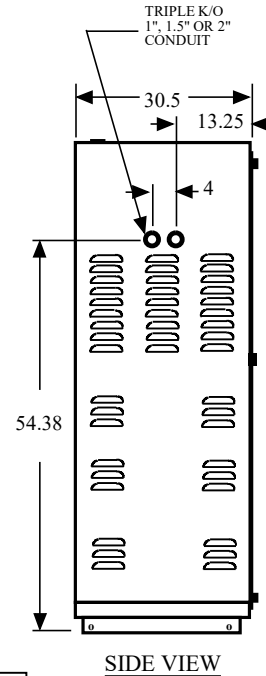
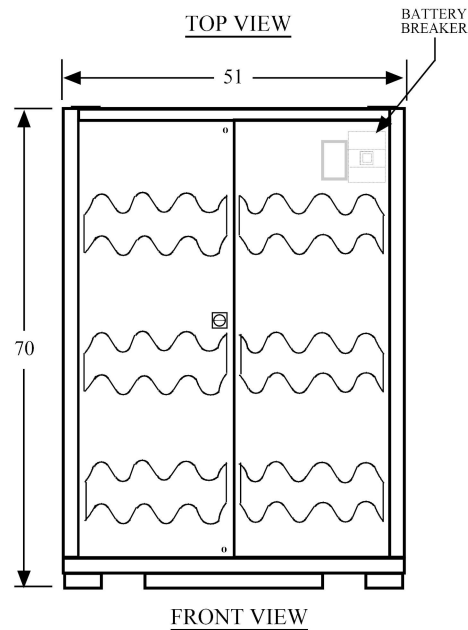
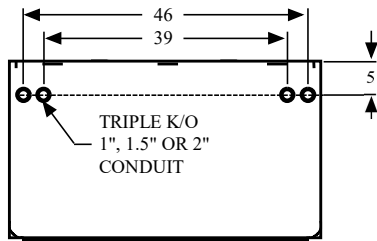
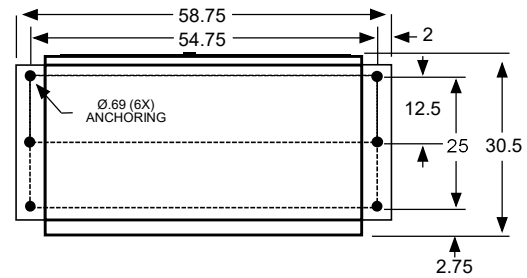
BATTERY CABINET, STANDARD VRLA/LONG LIFE (OPTIONAL) BATTERY

SEE SHT 2 & SHT 3 FOR CABINET QTY, SELECTION, AND LAYOUT

□ STANDARD MOUNTING



□ INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 BOTTOM VIEW (OPTIONAL)



ISO VIEW SHOWN WITH SEISMIC BRACKETS

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).

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

3) DIMENSIONS ARE IN INCHES

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

SHT
1 OF 3



CRUCIAL POWER PRODUCTS

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

DRAWN : TH

11/22/24

420-E-TD-013

REV
B

APPVD : SS

11/22/24

BATTERY TYPE

☐ STANDARD VRLA

☐ LONG LIFE (OPTIONAL)

☐ HI-TEMP (OPTIONAL)

☐ US-MADE (OPTIONAL)

UNIT CAPACITY SELECTION

(BASED ON MAXIMUM INRUSH/STARTING CURRENT)

☐ 30KVA/24KW

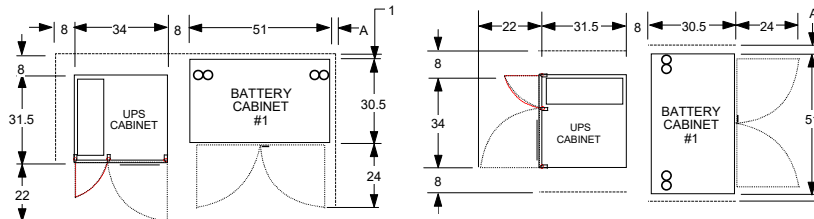
☐ 40KVA/32KW

☐ 50KVA/40KW

☐ 60KVA/50KW

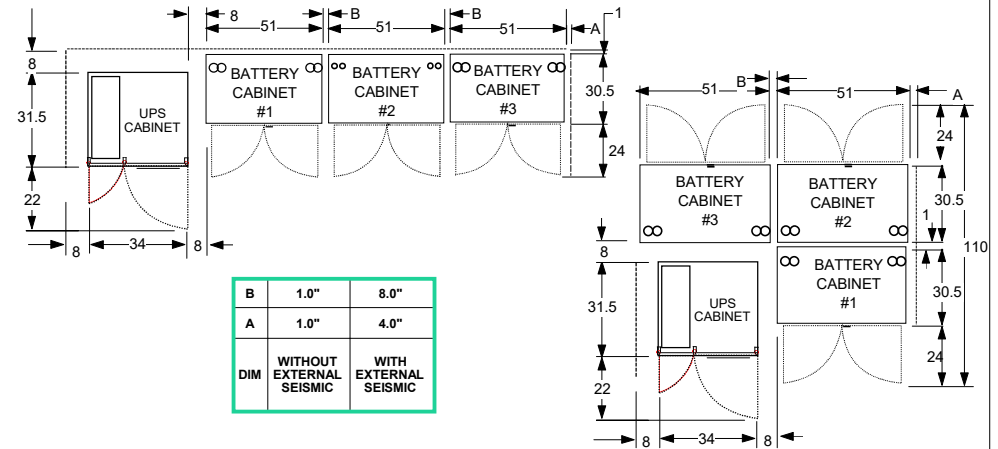
*BATTERY BACKUP IS BASED ON STEADY STATE CURRENT IN KW
(EACH CABINET TYPICALLY PROVIDES A MAXIMUM OF 48 KW FOR 60 MINUTES OR 24 KW FOR 120 MINUTES)

☐ 1 CABINET ☐ 2 CABINETS ☐ 3 CABINETS ☐ 4 CABINETS



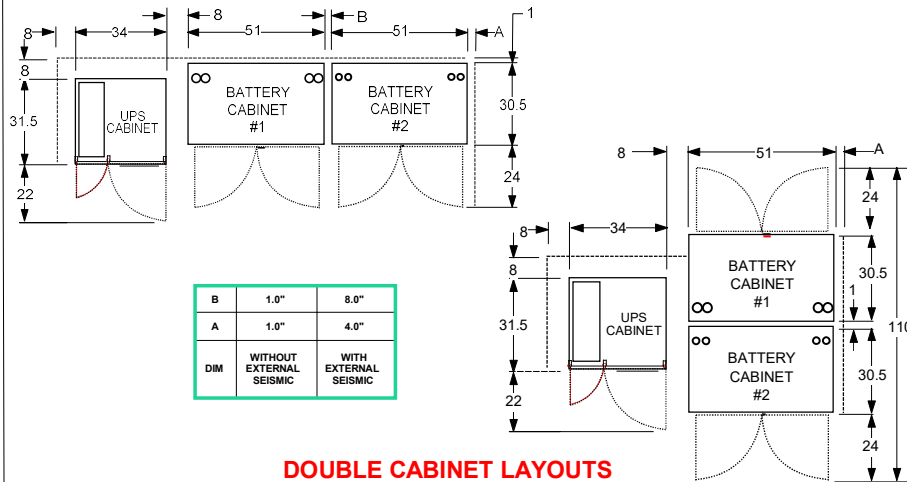
B	1.0"	8.0"
A	1.0"	4.0"
DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC

SINGLE CABINET LAYOUTS



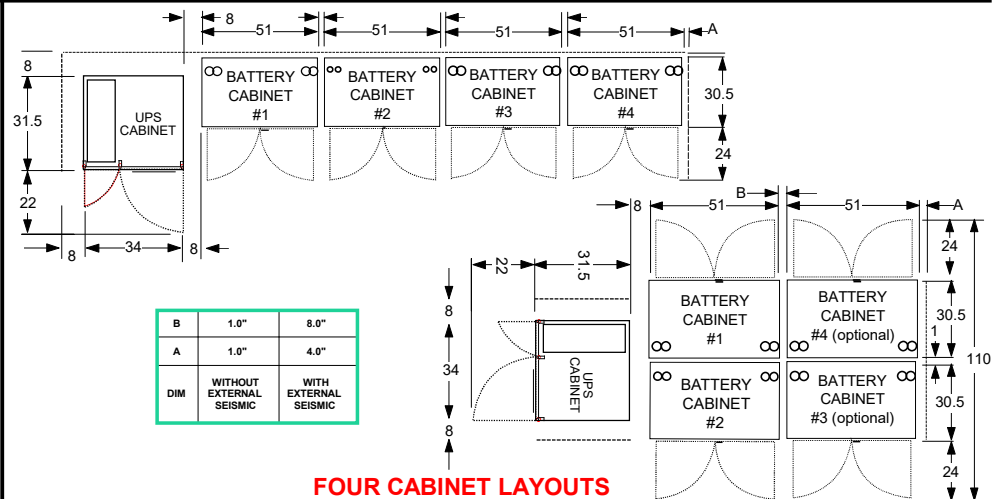
B	1.0"	8.0"
A	1.0"	4.0"
DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC

THREE CABINET LAYOUTS



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

DOUBLE CABINET LAYOUTS



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

FOUR CABINET LAYOUTS

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

SHT
2 OF 3



CRUCIAL POWER PRODUCTS

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

DRAWN : TH

11/22/24

420-E-TD-013

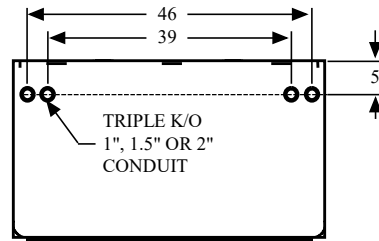
REV

APPVD : SS

11/22/24

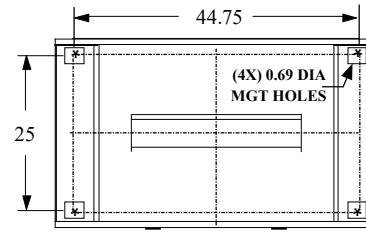
B

OPTIONAL INTEGRATED BRACKETS FOR BATTERY CABINET ONLY



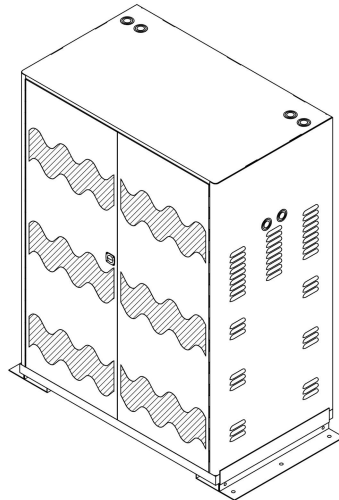
TOP VIEW

□ INSTALLATION WITH INTEGRATED SEISMIC BRACKETS FOR ZONE 4 BOTTOM VIEW

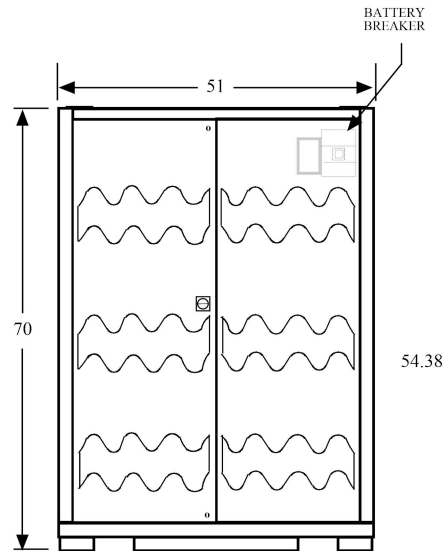


BOTTOM VIEW

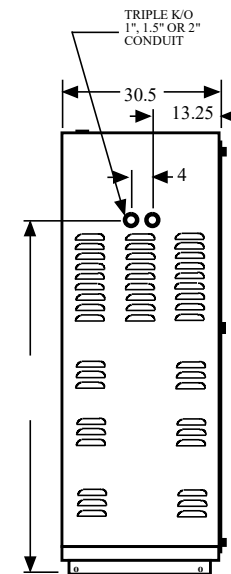
*- DENOTES ANCHOR LOCATION



ISO VIEW SHOWN WITH SEISMIC BRACKETS



FRONT VIEW



SIDE VIEW

NOTES:

1) CONSTRUCTION: NEMA1 INDOOR

ANCHORS FOR INTEGRATED SEISMIC MOUNTING:

1. USE 5/8" DIA x 3-3/4" MIN. EMBEDMENT KB-TZ ANCHORS, ICCESR-1917 (LARR#25701) OR APPROVED EQUAL (4) TOTAL PER CABINET, (2) PER ANCHOR BRACKET
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

2) DIMENSIONS ARE IN INCHES

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

SHT
1 OF 1



CRUCIAL POWER PRODUCTS

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

DRAWN : TH

11/22/24

420-E-TD-014

REV
A

APPVD : SS

11/22/24