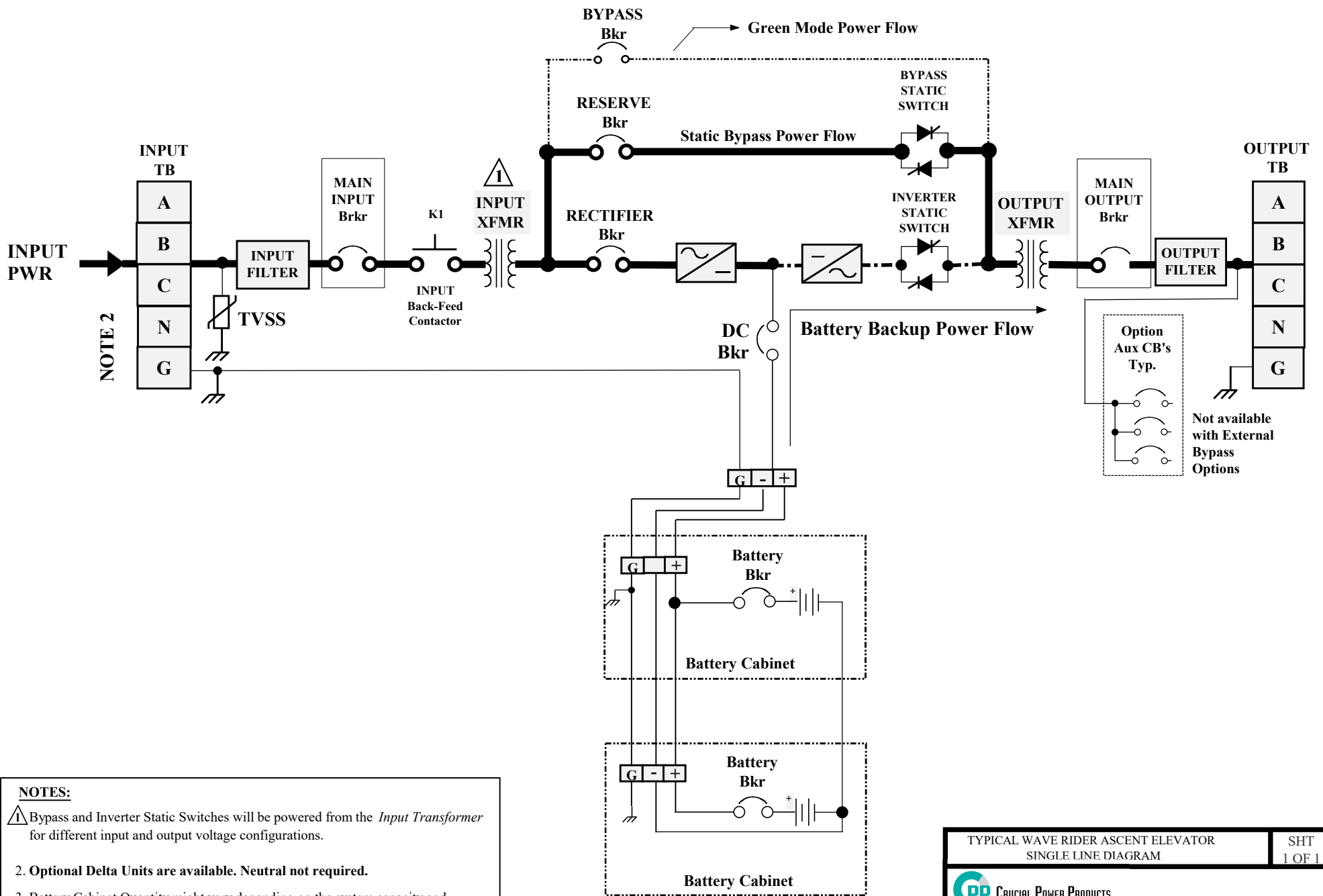


WAVE RIDER ASCENT ELEVATOR TYPICAL SINGLE LINE DIAGRAM



- 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.

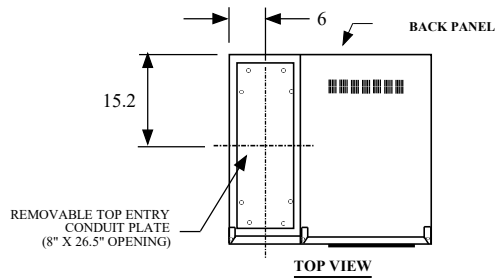
BATTERY CABINETS AS NEEDED

TYPICAL WAVE RIDER ASCENT ELEVATOR SINGLE LINE DIAGRAM		SHT 1 OF 1
CRUCIAL POWER PRODUCTS <small>SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE</small>		
DRAWN : TH	11/22/24	420-E-TD-010
APPVD : SS	11/22/24	
		REV A

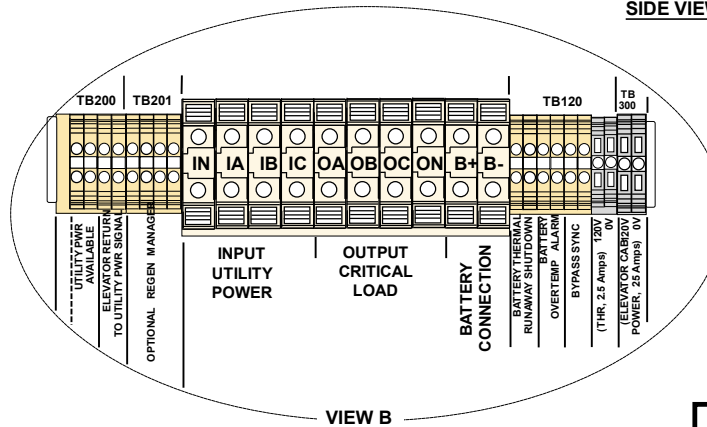
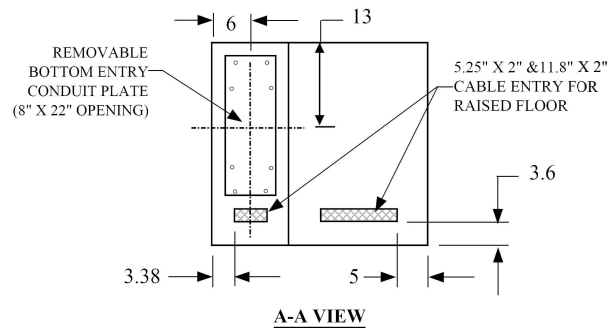
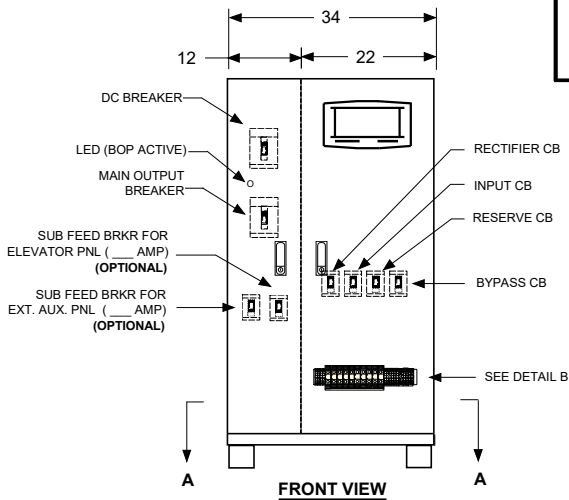
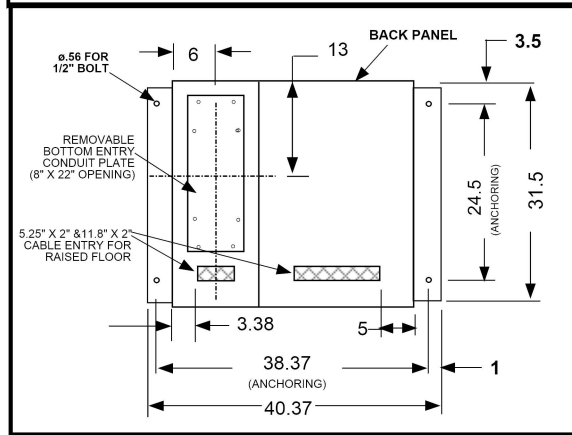
ELECTRONIC CABINET ONLY (24KW - 50KW)

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

STANDARD MOUNTING



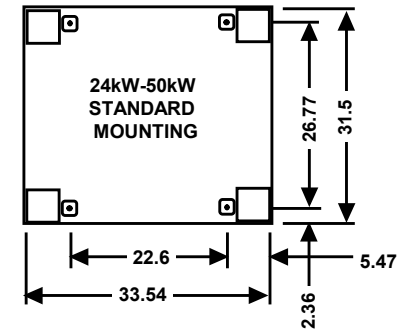
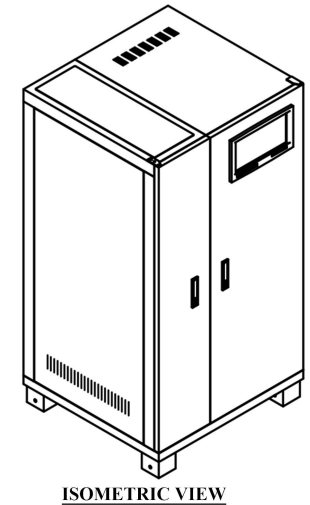
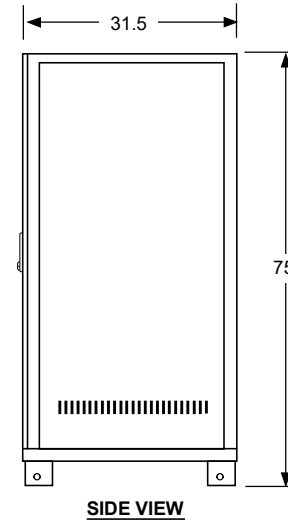
INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 TOP VIEW (OPTIONAL)



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

NOTES:

- 1) CONSTRUCTION: INDOOR, COLOR BLACK.
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES
* HEIGHT GOES DOWN TO 63 IN. FOR SHOCK VIBRATION. FOR HCAI OSP, PLEASE CONSULT FACTORY

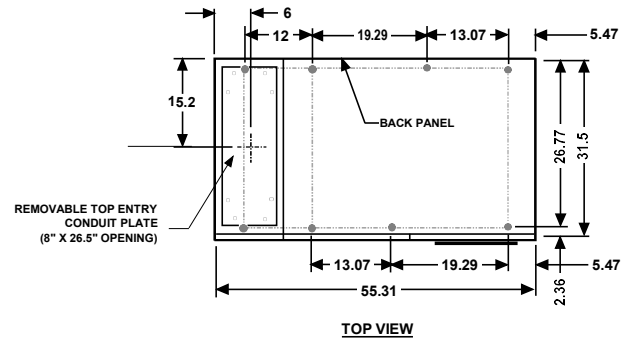


WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP ELECTRONIC CABINET		SHT 1 OF 1	
CP CRUCIAL POWER PRODUCTS SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE			
DRAWN : TH	11/22/24	420-E-TD-011	REV A
APPVD : SS	11/22/24		

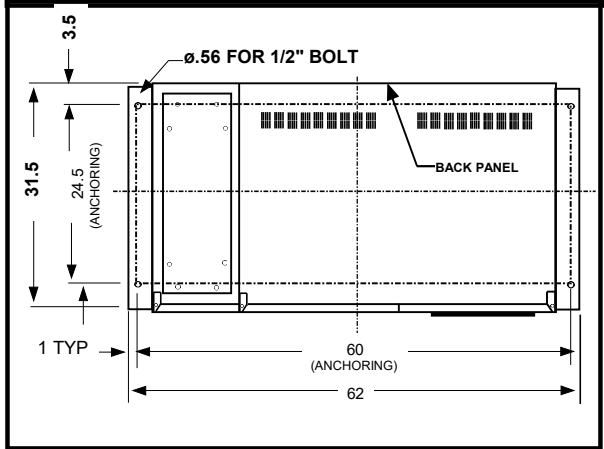
**ELECTRONIC
CABINET ONLY
(64KW - 128KW)**

WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP

STANDARD MOUNTING

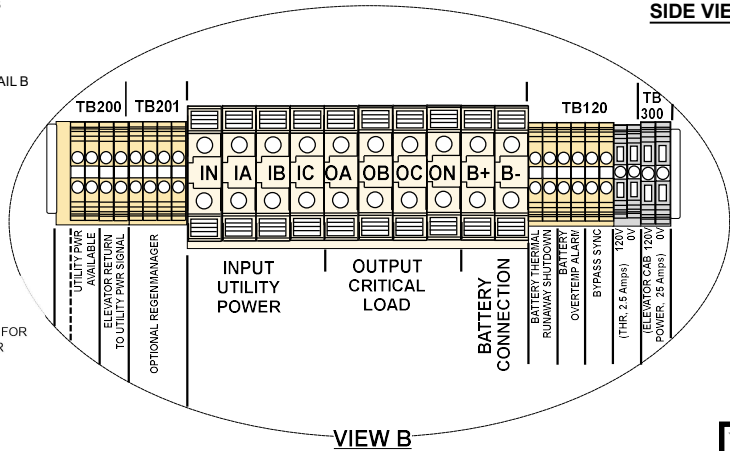
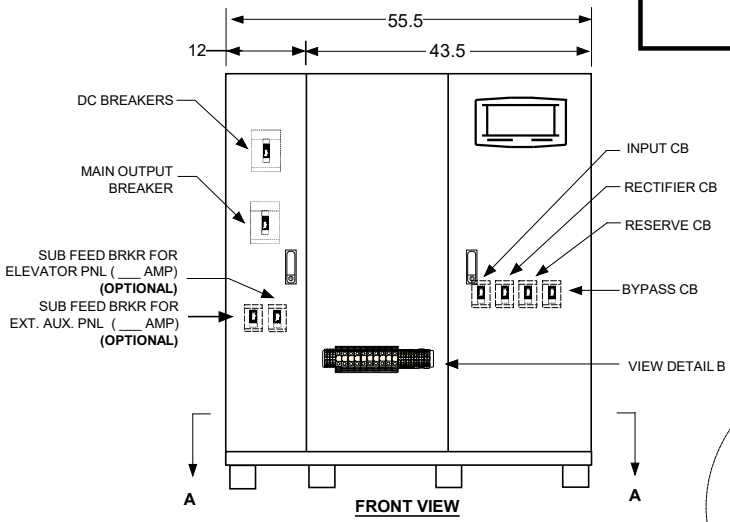
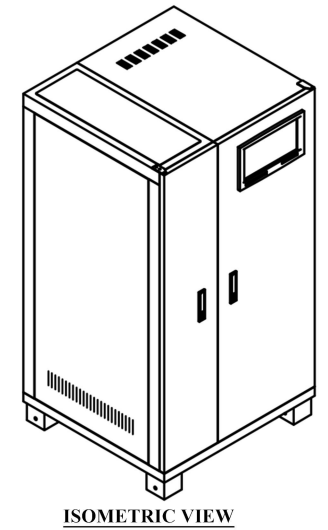
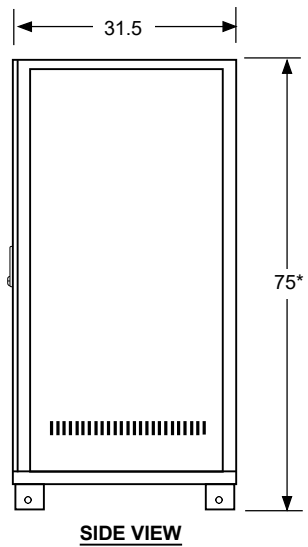


INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4 TOP VIEW (OPTIONAL)

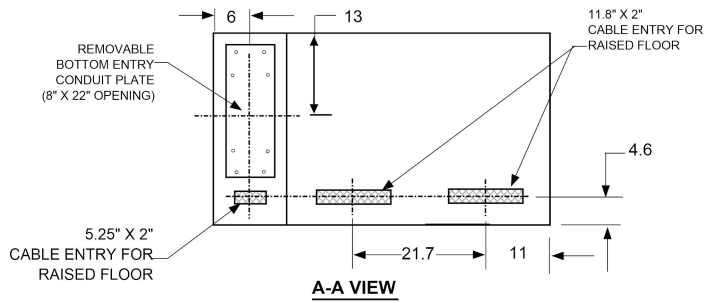


NOTES:

- 1) CONSTRUCTION: INDOOR, COLOR BLACK.
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES
*HEIGHT GOES DOWN TO 63 IN. FOR SHOCK VIBRATION. FOR HCAI OSP, PLEASE CONSULT FACTORY



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

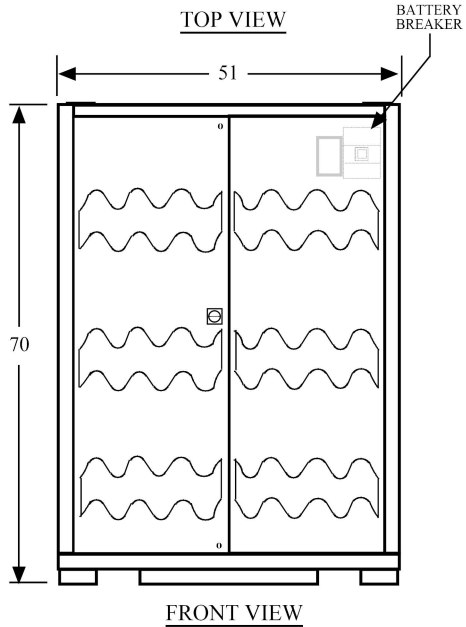
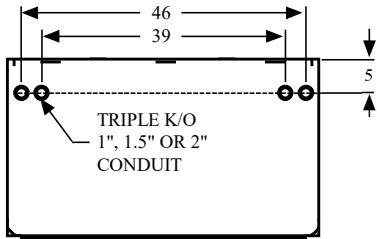
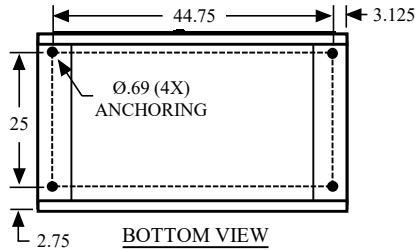


WAVE RIDER ASCENT ELEVATOR BATTERY BACKUP ELECTRONIC CABINET		SHT 1 OF 1
CRUCIAL POWER PRODUCTS SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE		
DRAWN : TH	11/22/24	420-E-TD-012
APPVD: SS	11/22/24	
		REV A

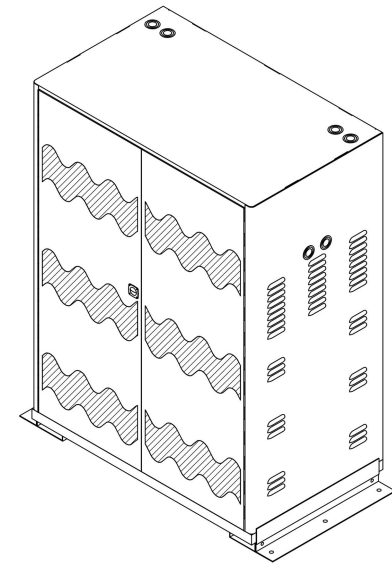
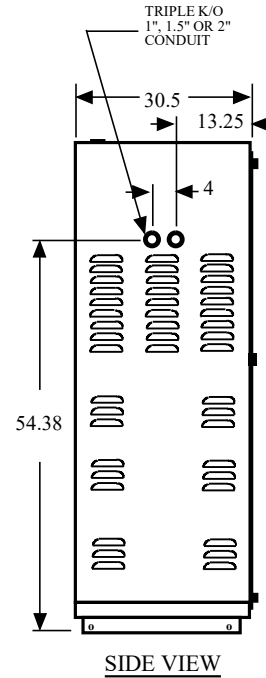
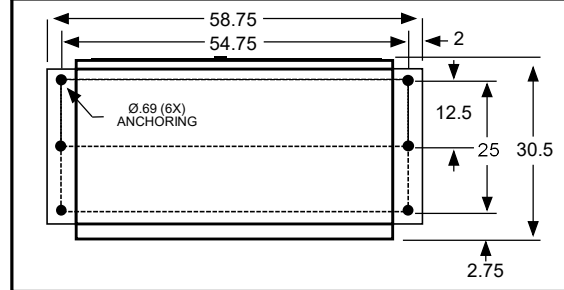
BATTERY CABINET, STANDARD VRLA/LONG LIFE (OPTIONAL) BATTERY

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 NEMA 1 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 A
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

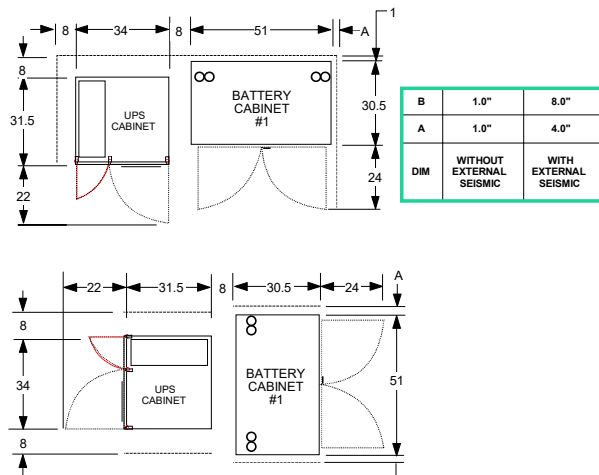
 40KVA/32KW

 50KVA/40KW

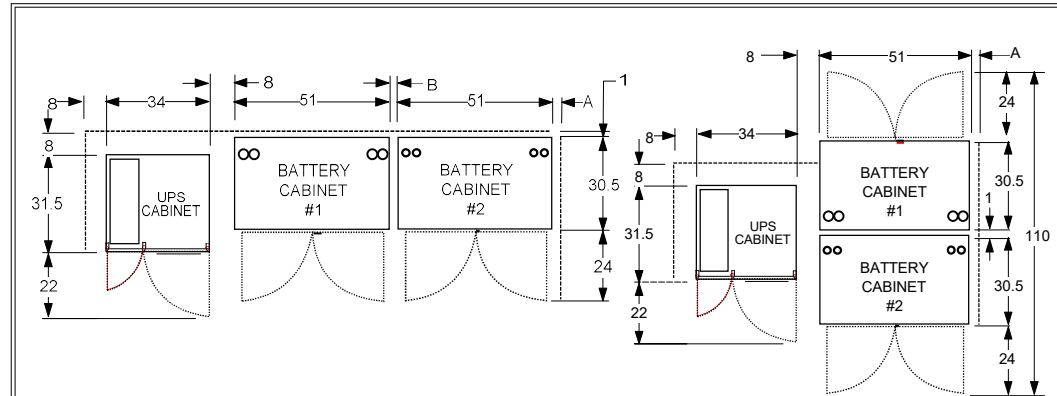
 60KVA/50KW

*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)

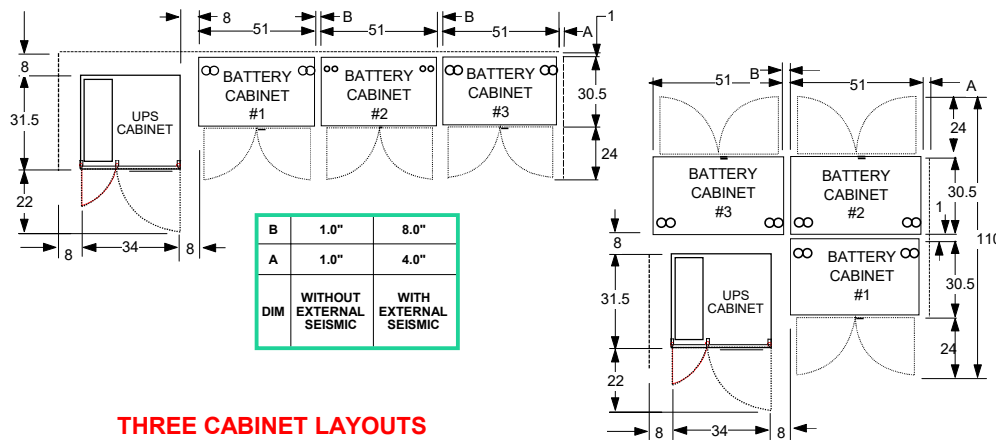
1 CABINET 2 CABINETS 3 CABINETS 4 CABINETS



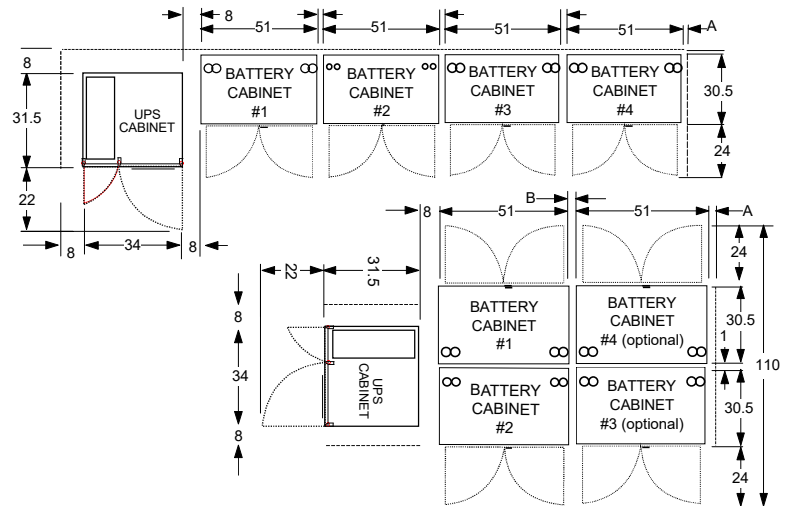
SINGLE CABINET LAYOUTS



DOUBLE CABINET LAYOUTS



THREE CABINET LAYOUTS



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

A

BATTERY TYPE

STANDARD VRLA

LONG LIFE (OPTIONAL)

HI-TEMP (OPTIONAL)

US-MADE (OPTIONAL)

UNIT CAPACITY SELECTION

(BASED ON MAXIMUM INRUSH/STARTING CURRENT)

80KVA/64KW

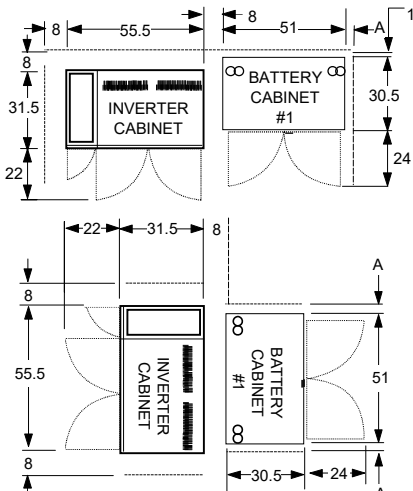
100KVA/80KW

120KVA/96KW

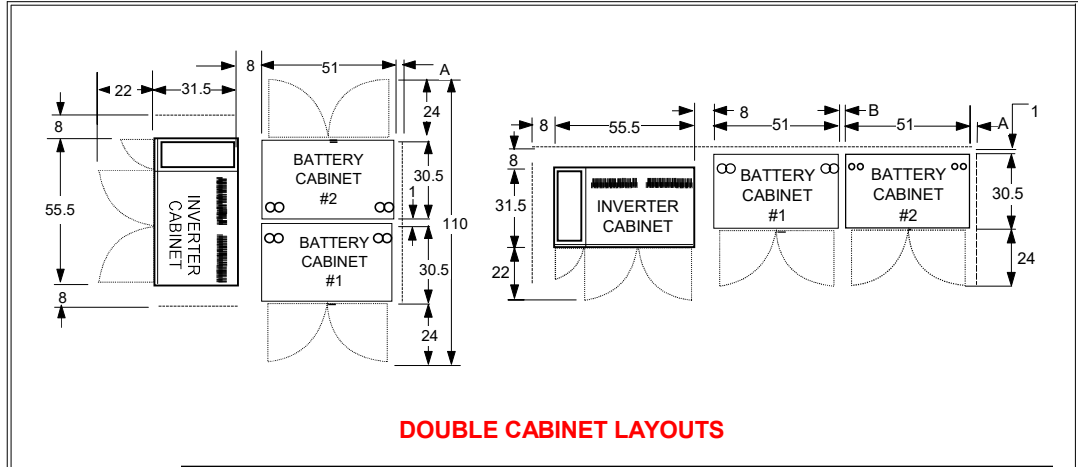
160KVA/128KW

*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)

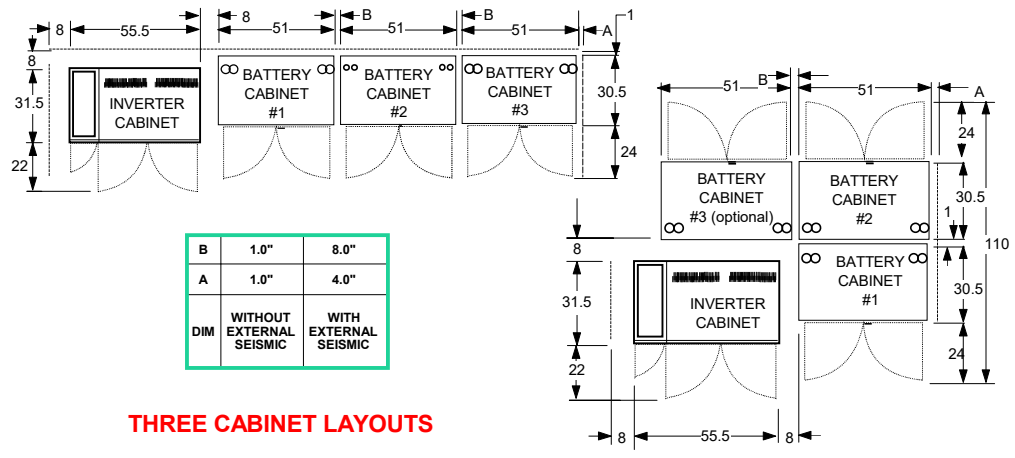
1 CABINET 2 CABINETS 3 CABINETS 4 CABINETS 5 CABINETS



SINGLE CABINET LAYOUTS

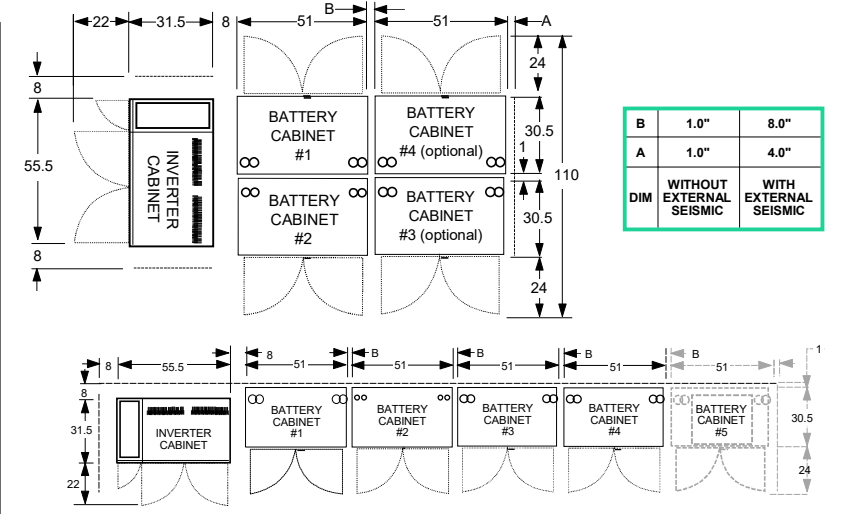


DOUBLE CABINET LAYOUTS



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

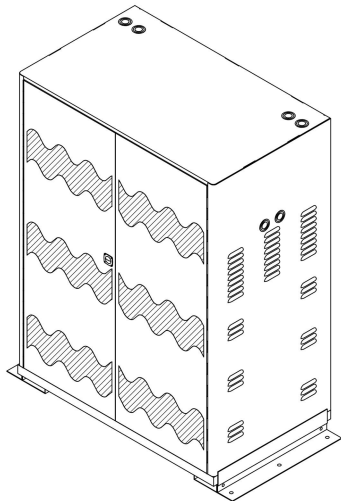
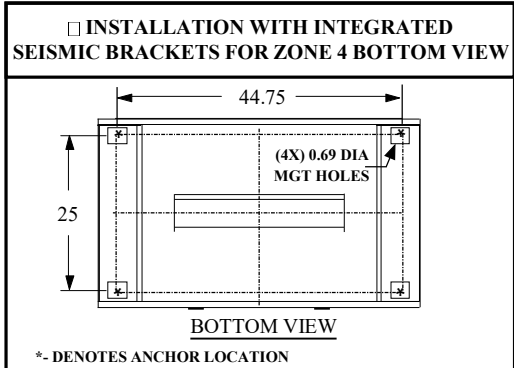
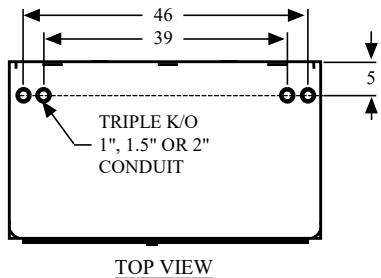
THREE CABINET LAYOUTS



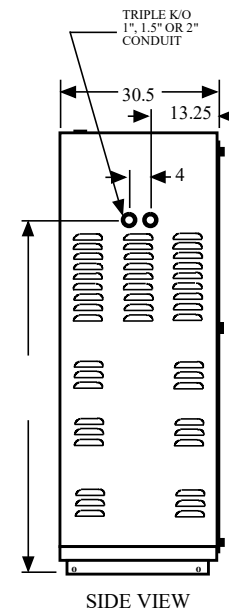
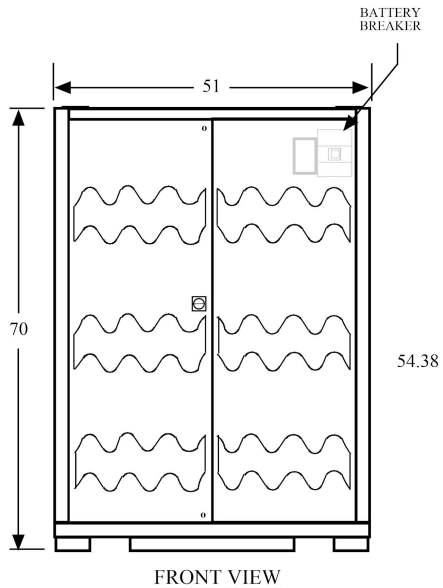
B	1.0"	8.0"
A	1.0"	4.0"
DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC

FOUR/FIVE CABINET LAYOUTS

OPTIONAL INTEGRATED BRACKETS FOR BATTERY CABINET ONLY



ISO VIEW SHOWN WITH SEISMIC BRACKETS



NOTES:

1) CONSTRUCTION NEMA 1 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
APPVD : SS	11/22/24	