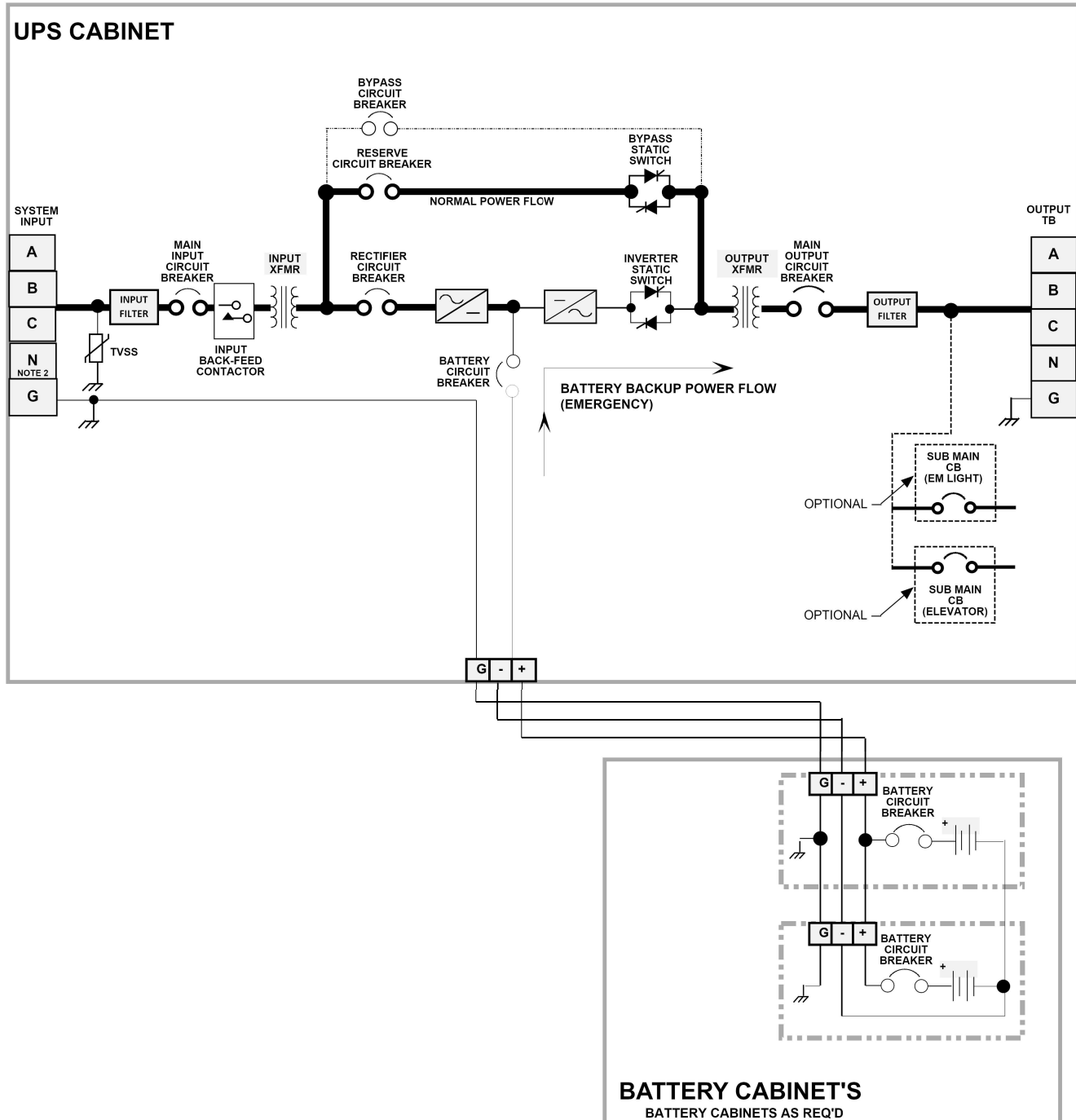


POWER WAVE ELEVATE SINGLE LINE DIAGRAM FOR ELEVATOR BACKUP SYSTEM



NOTES:

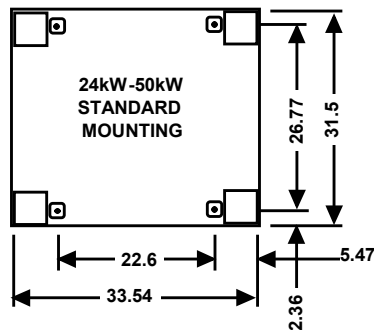
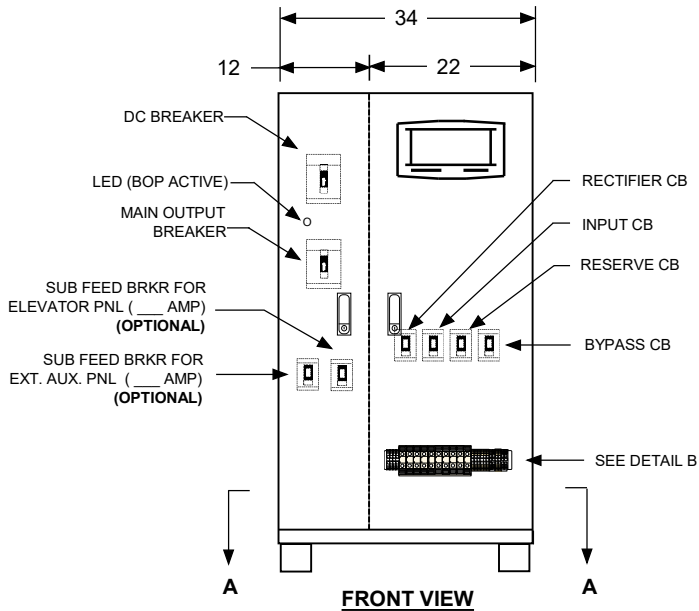
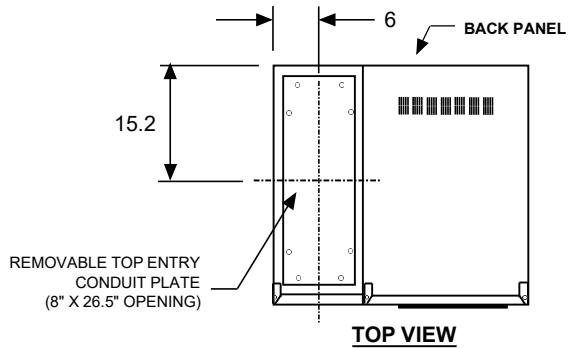
1. Static Switches will be powered from the *Input Transformer* for different input and output voltage configurations.
2. **Optional Delta Units are available. Neutral not required.**
3. Battery Cabinet Quantity might vary depending on the system capacity and battery type.

		POWER WAVE ELEVATE SINGLE LINE DIAGRAM ELEVATOR BACKUP SYSTEM	
SDR: SS	11/22/24	DWG NO.: 120-E-TD-010	REV.: B
CHKD: TH	11/22/24	SHT 1 OF 1	
APPVD: TH	11/22/24	SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE	

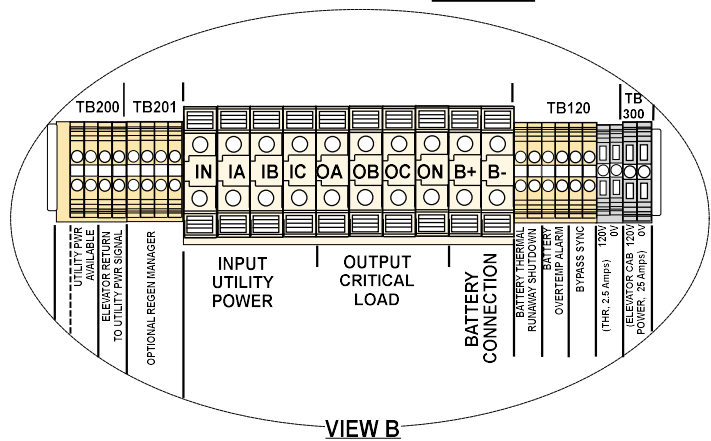
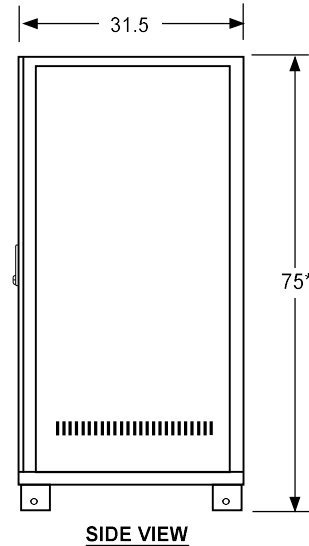
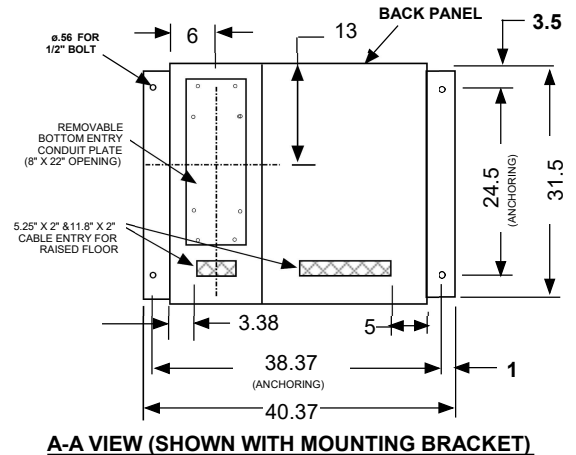
ELECTRONIC CABINET ONLY (24KW - 50KW)

POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP

□ STANDARD MOUNTING



□ SEISMIC BRACKETS FOR ZONE 4
(OPTIONAL)



NOTES:

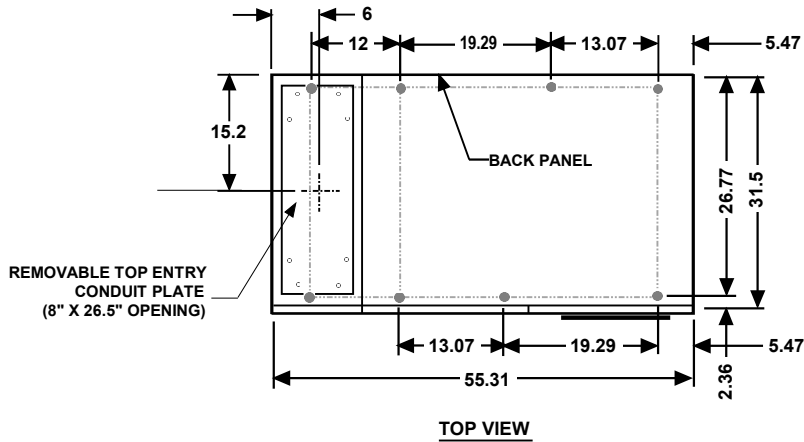
- 1) CONSTRUCTION: INDOOR, COLOR BLACK
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS ARE IN INCHES
- 4) *SHAKER TABLE TESTED (HCAI OSP) UNITS HAVE A HEIGHT OF 63". CONSULT THE FACTORY FOR MORE DETAILS

OnLine POWER		POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP ELECTRONIC CABINET	
SDR : SS	11/22/24	DWG NO.: 120-E-TD-011	REV.: B
CHKD : TH	11/22/24		SHT 1 OF 1
APPVD : TH	11/22/24	SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE	

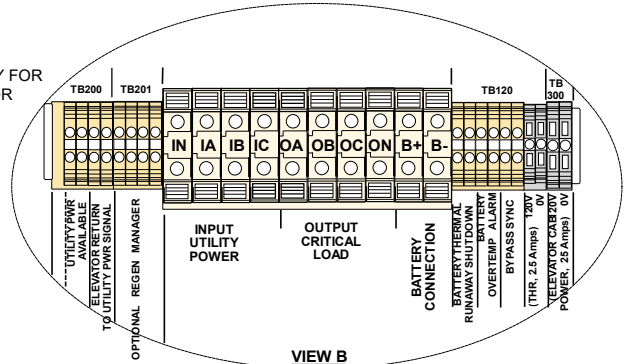
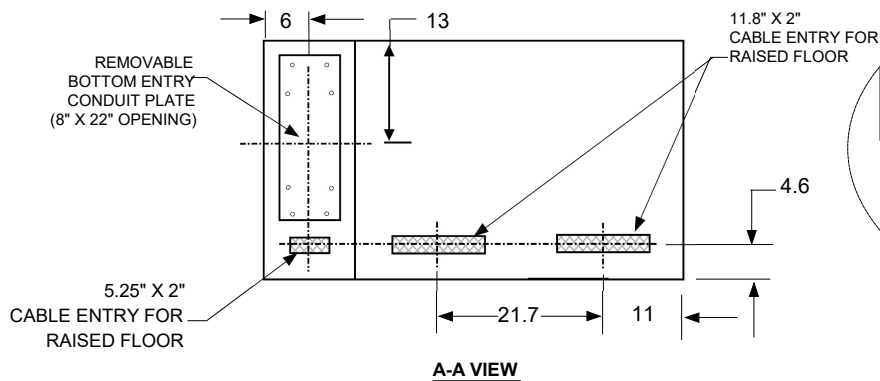
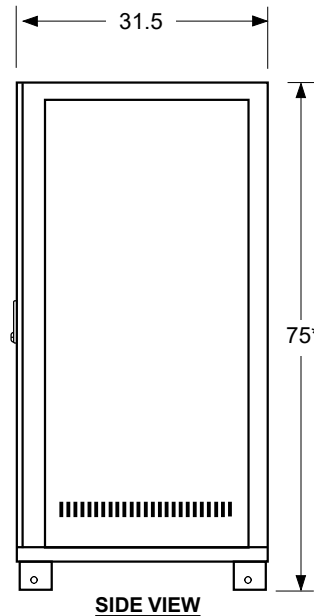
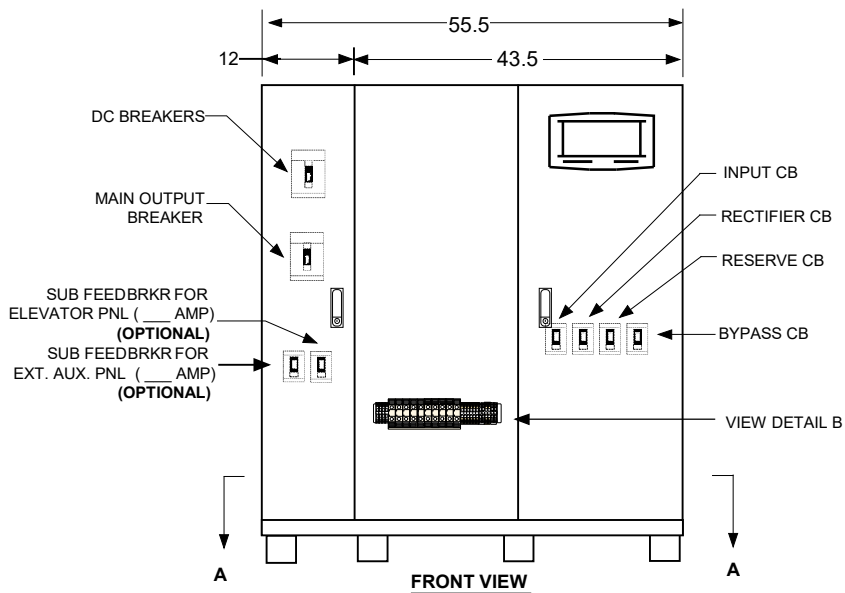
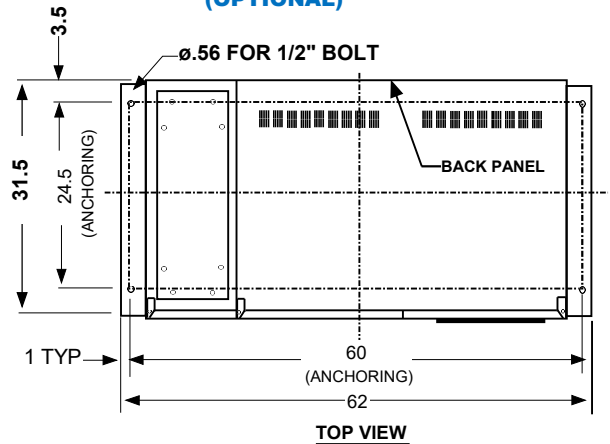
POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP

ELECTRONIC CABINET ONLY (64KW - 128KW)

STANDARD MOUNTING



SEISMIC BRACKETS FOR ZONE 4 (OPTIONAL)



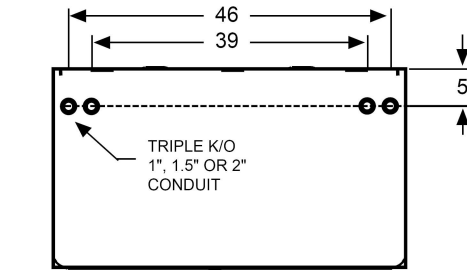
NOTES:

- 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

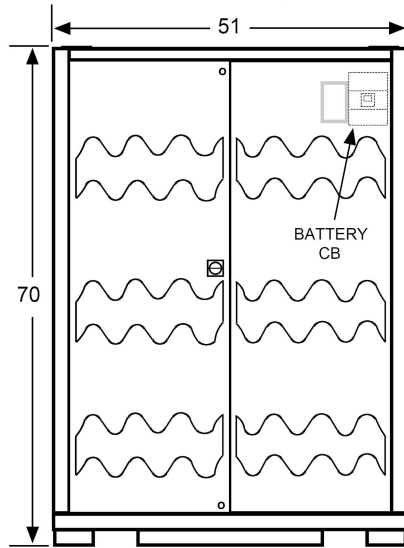
C-Line POWER		POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP ELECTRONIC CABINET	
SDR: SS	11/22/24	DWG NO.: 120-E-TD-012	REV.: B
CHKD: TH	11/22/24		SHT 1 OF 1
APPVD: TH	11/22/24	SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE	

BATTERY CABINET STANDARD VRLA/LONG LIFE (OPTIONAL) BATTERY

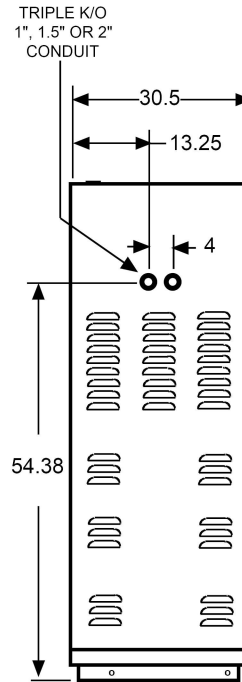
(SEE SHT 2 & SHT 3 FOR CABINET QTY, SELECTION AND LAYOUT)



TOP VIEW

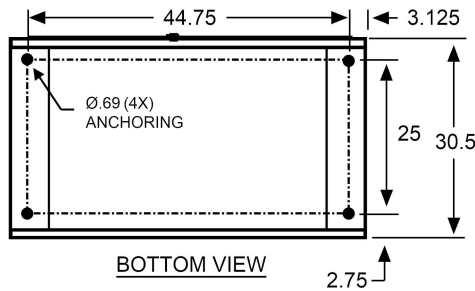


FRONT VIEW



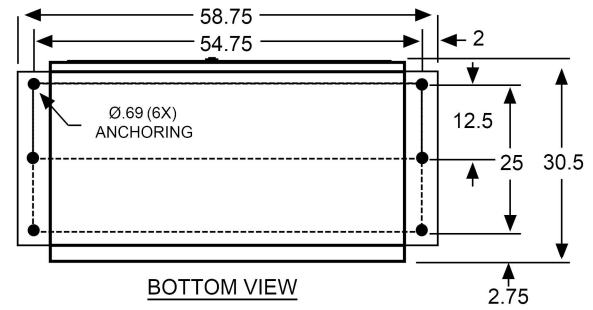
SIDE VIEW

INSTALLATION WITH SEISMIC BRACKETS FOR ZONE 4



BOTTOM VIEW

□ STANDARD MOUNTING



BOTTOM VIEW

□ SEISMIC MOUNTING SEE NOTE #2

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

		POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP LAYOUT	
SDR: SS	11/22/24	DWG NO.: 120-E-TD-013	REV.: B
CHKD: TH	11/22/24		SHT 1 OF 3
APPVD: TH	11/22/24		
SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE			

BATTERY TYPE

☐ STANDARD VRLA

☐ LONG LIFE (OPTIONAL)

☐ HI-TEMP (OPTIONAL)

☐ US-MADE (OPTIONAL)

UNIT CAPACITY SELECTION

(BASED ON MAXIMUM INRUSH/STARTING CURRENT)

☐ 30KVA/24KW

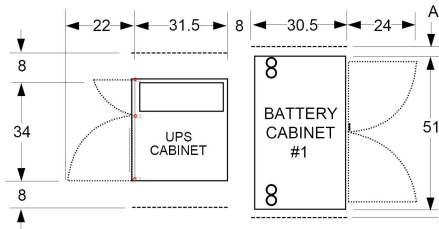
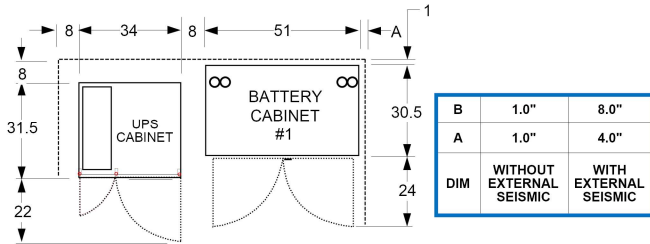
☐ 40KVA/32KW

☐ 50KVA/40KW

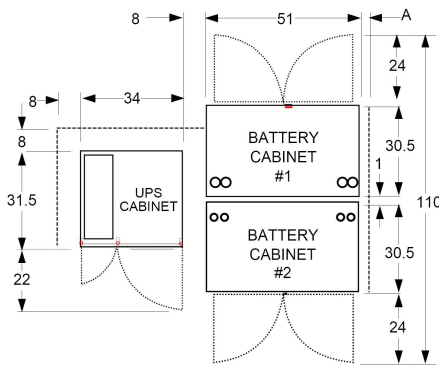
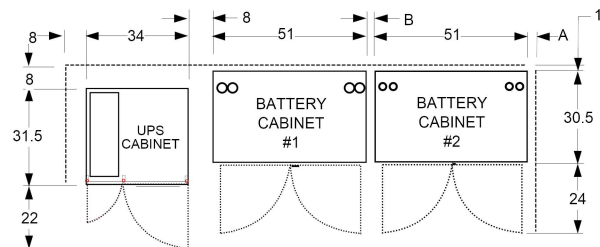
☐ 60KVA/50KW

*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

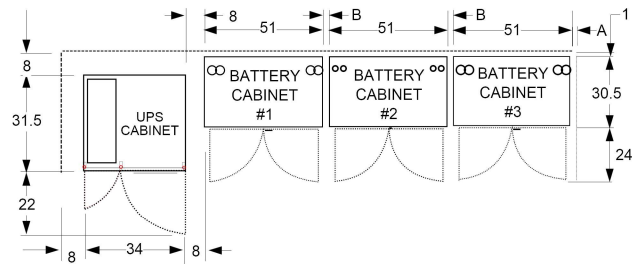
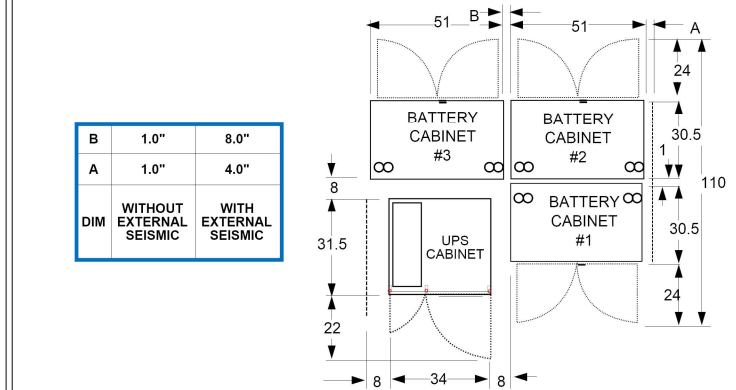


SINGLE CABINET LAYOUTS

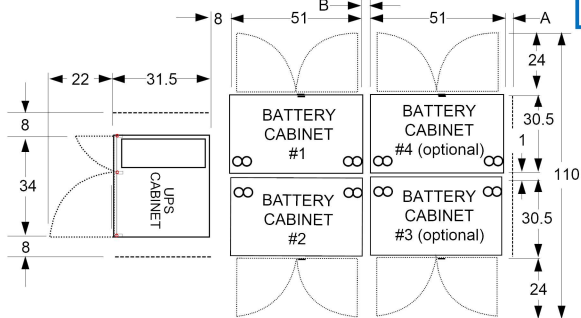
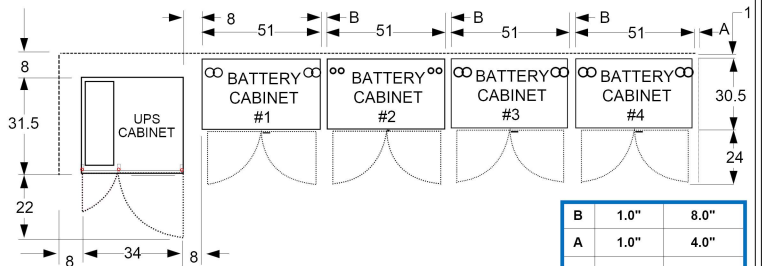


B	1.0"	8.0"
A	1.0"	4.0"
DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC

DOUBLE CABINET LAYOUTS



THREE CABINET LAYOUTS



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

FOUR CABINET LAYOUTS



**POWER WAVE ELEVATE
ELEVATOR BATTERY
BACKUP LAYOUT**

SDR : SS 11/22/24
CHKD : TH 11/22/24
APPVD : TH 11/22/24

DWG NO.: 120-E-TD-013

REV.: B

SHT 2 OF 3

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

BATTERY TYPE

☐ STANDARD VRLA

☐ LONG LIFE (OPTIONAL)

☐ HI-TEMP (OPTIONAL)

☐ US-MADE (OPTIONAL)

UNIT CAPACITY SELECTION

(BASED ON MAXIMUM INRUSH/STARTING CURRENT)

☐ 80KVA/64KW

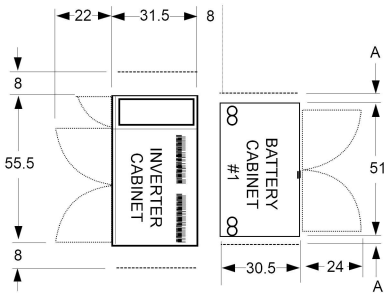
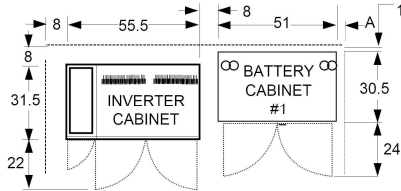
☐ 100KVA/80KW

☐ 120KVA/96KW

☐ 160KVA/128KW

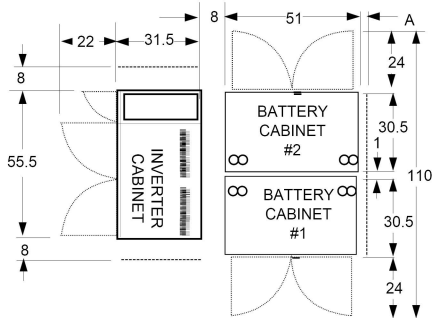
*BATTERY BACKUP IS BASED ON STEADY STATE CURRENT IN KW
(EACH CABINET TYPICALLY PROVIDES A MAXIMUM OF 48 KW FOR 60 MINUTES OR 24 KW FOR 120 MINUTES)

☐ 1 CABINET ☐ 2 CABINETS ☐ 3 CABINETS ☐ 4 CABINETS ☐ 5 CABINETS

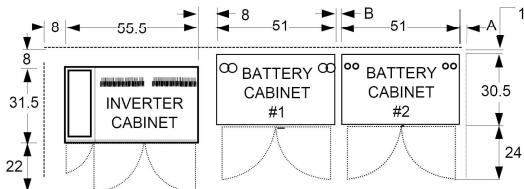


B	1.0"	8.0"
A	1.0"	4.0"
DIM	WITHOUT EXTERNAL SEISMIC	WITH EXTERNAL SEISMIC

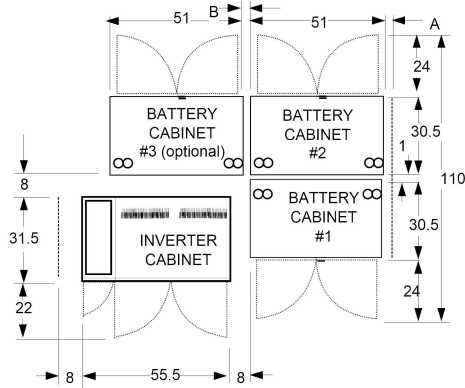
SINGLE CABINET LAYOUTS



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

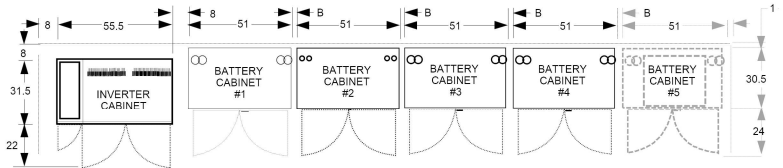
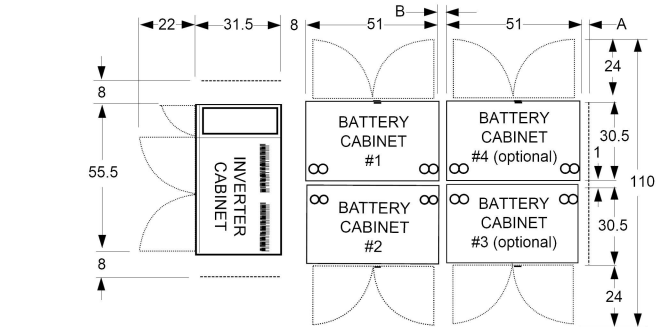


DOUBLE CABINET LAYOUTS



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



POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP LAYOUT

SDR : SS

11/22/24

CHKD : TH

11/22/24

APPVD : TH

11/22/24

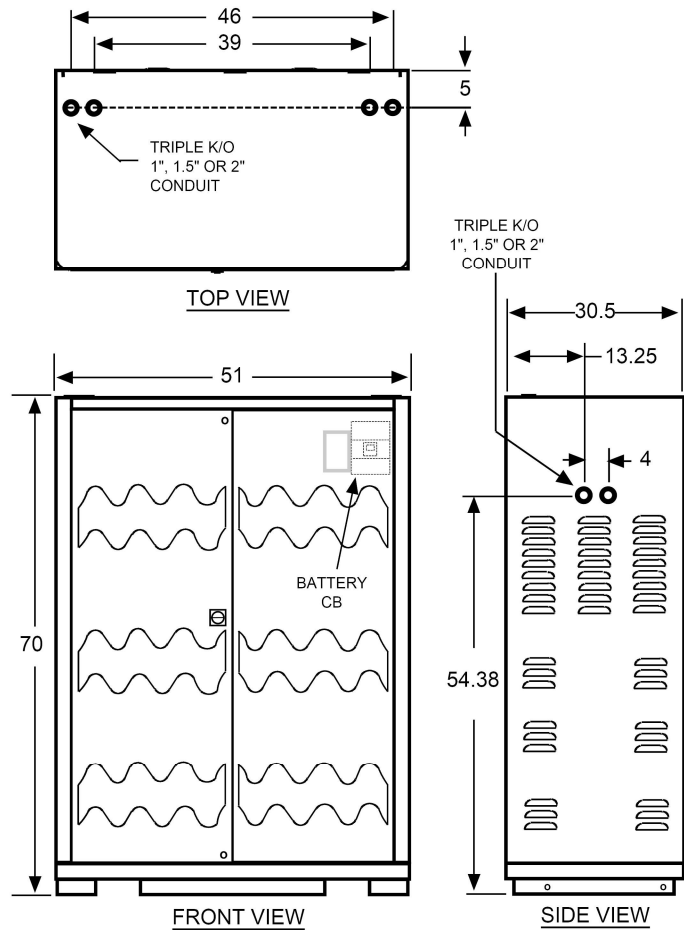
DWG NO.: 120-E-TD-013

REV.: B

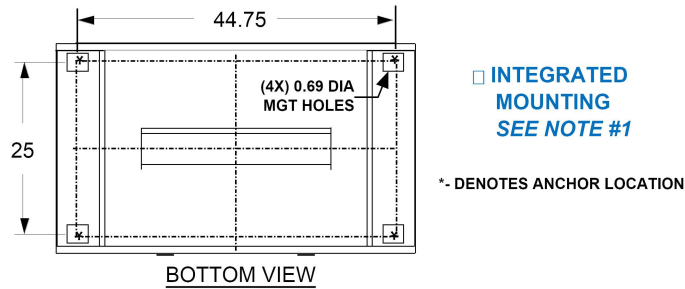
SHT 3 OF 3

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

OPTIONAL INTEGRATED BRACKETS FOR BATTERY CABINET ONLY



INSTALLATION WITH INTEGRATED SEISMIC MOUNTING FOR ZONE 4



NOTES:

1) CONSTRUCTION: NEMA1 INDOOR

ANCHORS FOR INTEGRATED SEISMIC MOUNTING:

1. USE 5/8" DIA x 3-3/4" MIN. EMBED HILTI KB-TZ ANCHORS, ICCES ESR-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

		POWER WAVE ELEVATE ELEVATOR BATTERY BACKUP LAYOUT	
SDR : SS	11/22/24	DWG NO.: 120-E-TD-014	REV.: A
CHKD : TH	11/22/24		SHT 1 OF 1
APPVD : TH	11/22/24	SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE	