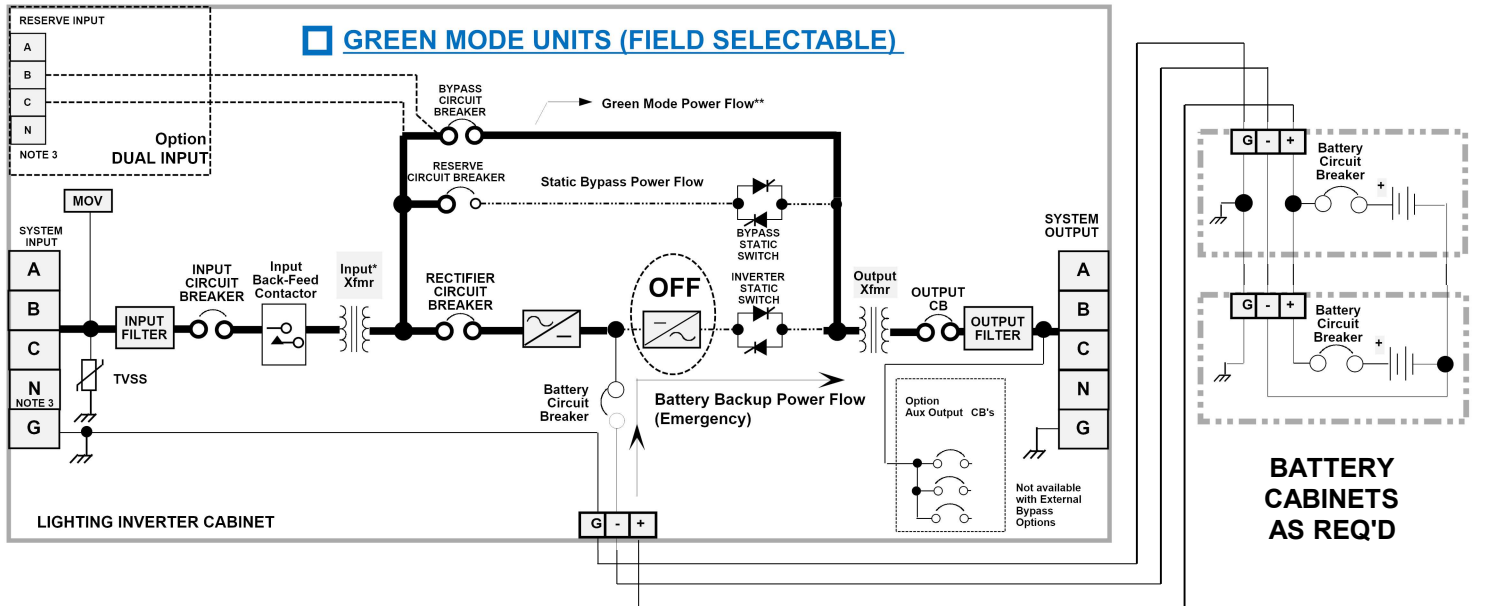
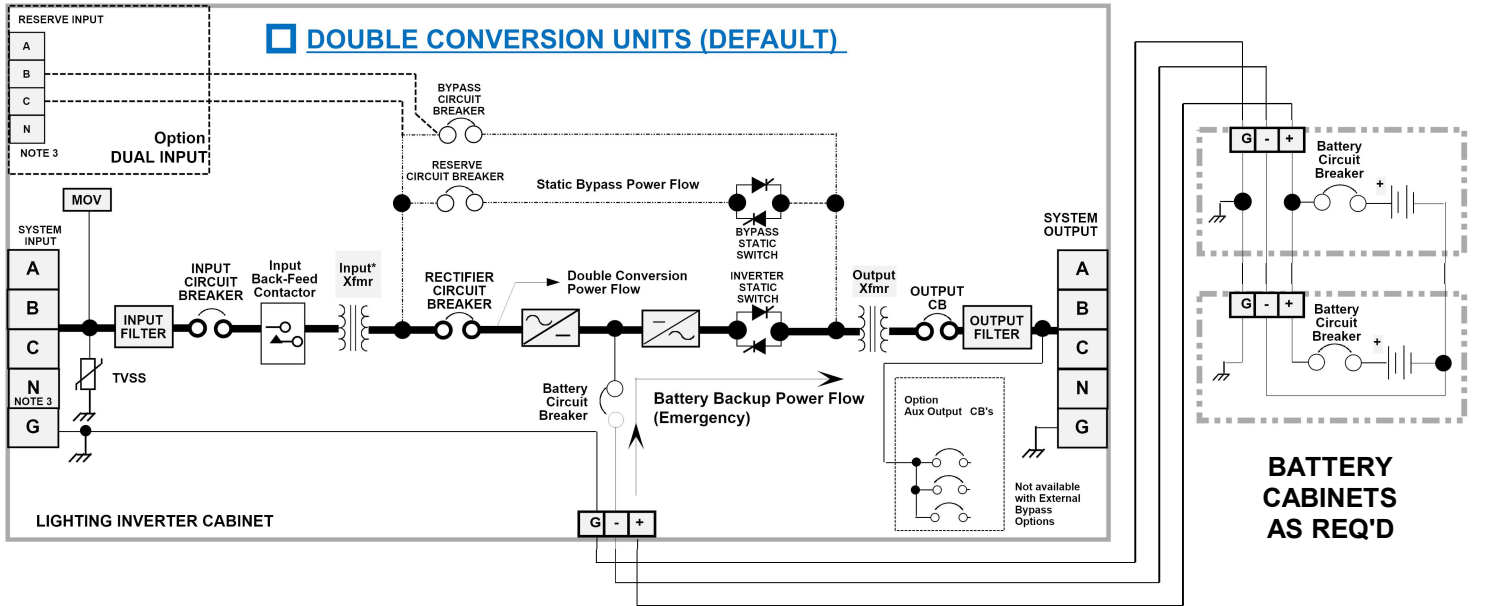


POWER WAVE 4 LIGHTING INVERTER TYPICAL SINGLE LINE DIAGRAM



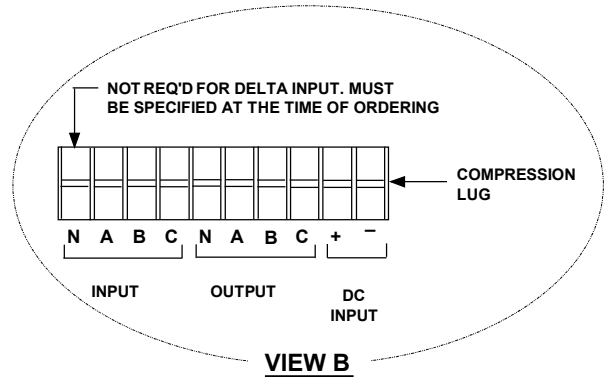
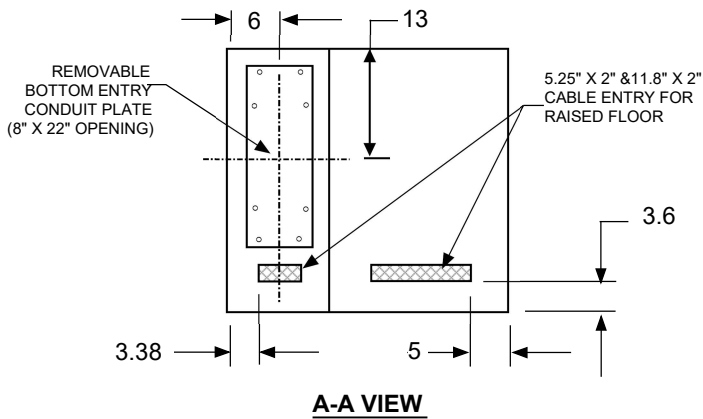
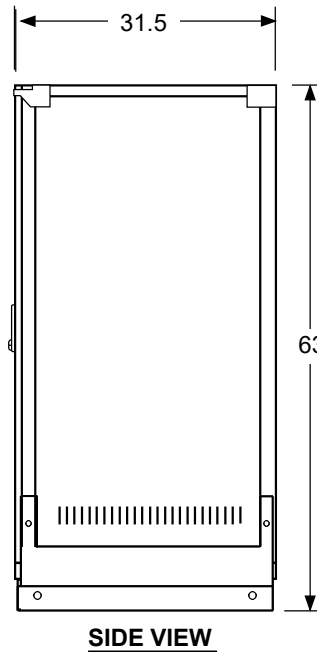
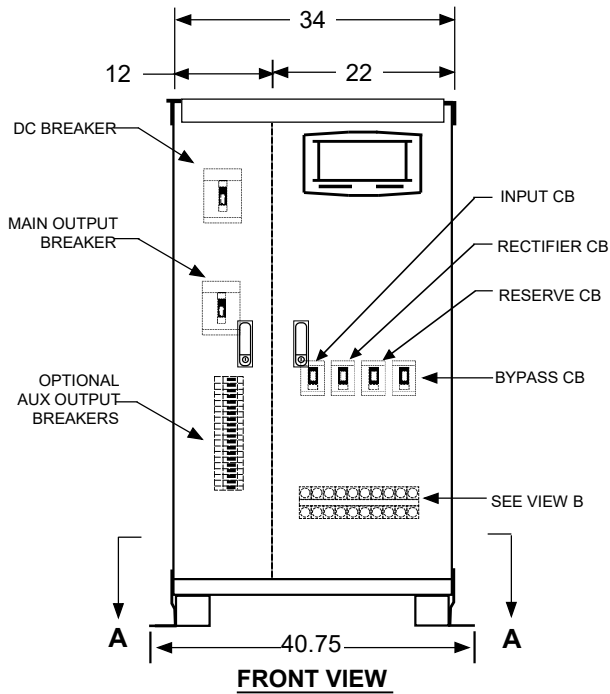
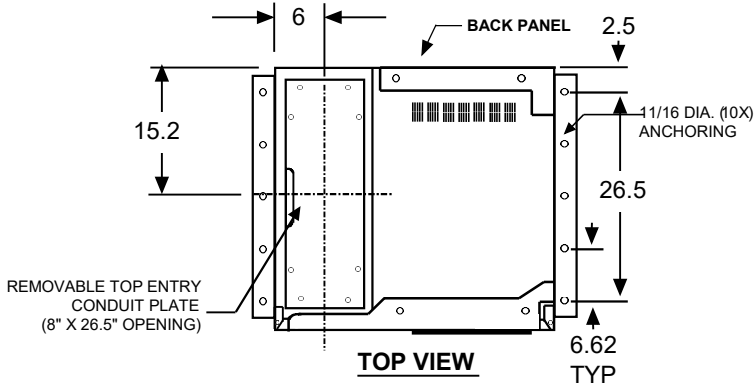
NOTES:

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 SHAKER TABLE TEST CERTIFIED BY (HCAI)

**ELECTRONIC CABINET ONLY
(10KVA/8KW - 60KVA/48KW)**



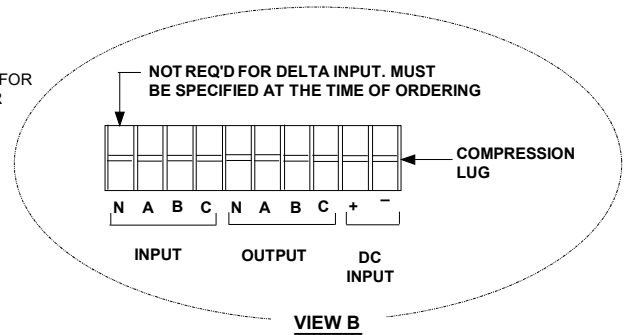
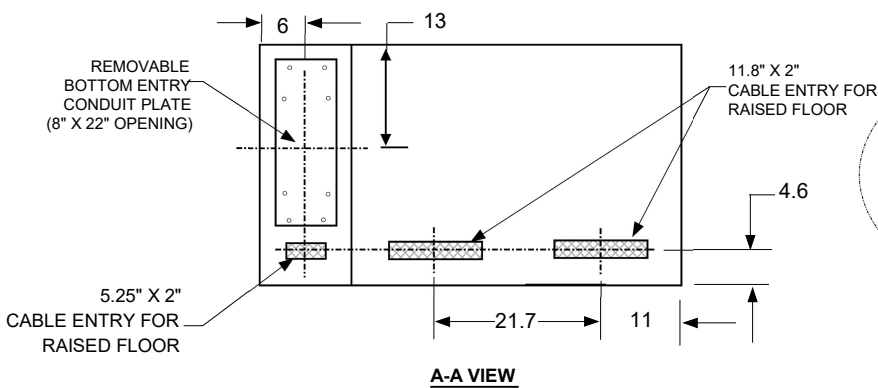
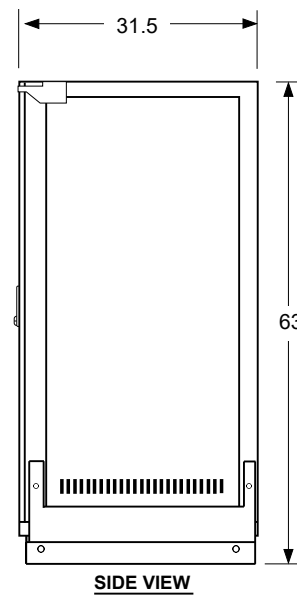
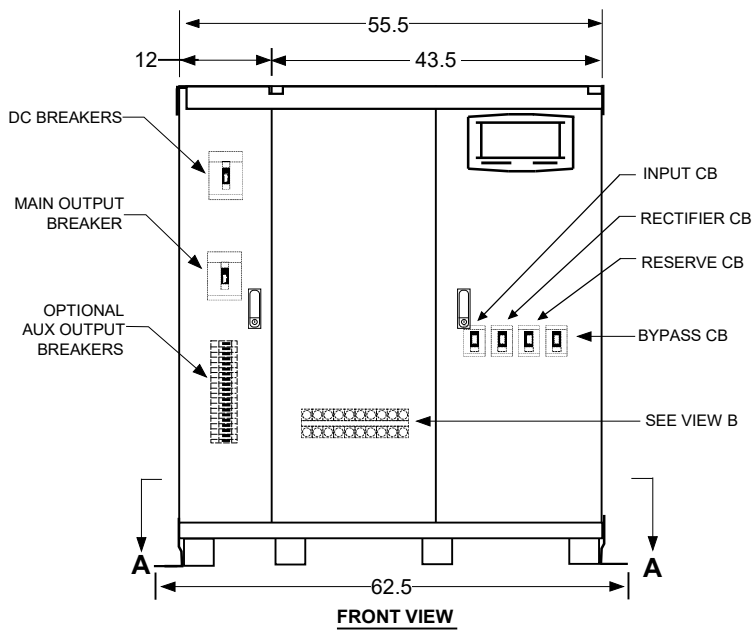
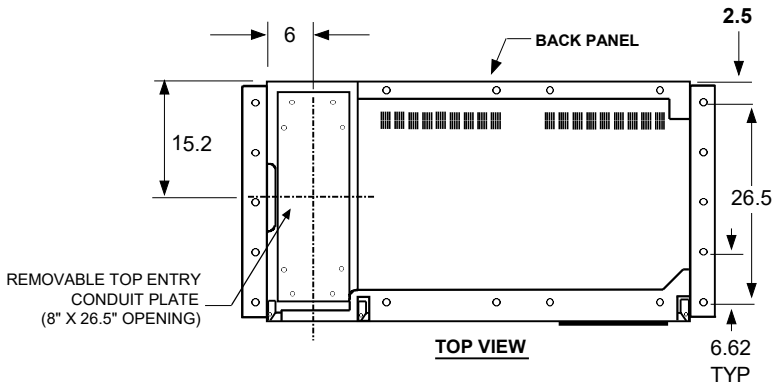
NOTES:

- 1) CONSTRUCTION: NEMA1 INDOOR.
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS IN INCHES

		POWER WAVE 4 SHAKER TABLE TESTED CENTRAL LIGHTING INVERTER	
SDR : SHERRIS	04/17/24	DWG NO.: 120-SV-TD-011	REV.: A
CHKD : M.T.	04/17/24		SHT 1 OF 1
APPVD : HN	04/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	

POWER WAVE 4 CENTRAL LIGHTING INVERTER SHAKER TABLE TEST CERTIFIED BY (HCAI)

ELECTRONIC CABINET ONLY
(80KVA/64KW - 160KVA/128KW)



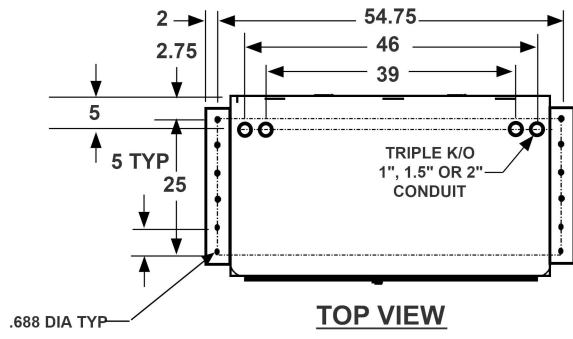
NOTES:

- 1) CONSTRUCTION: NEMA1 INDOOR.
- 2) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR
- 3) DIMENSIONS IN INCHES

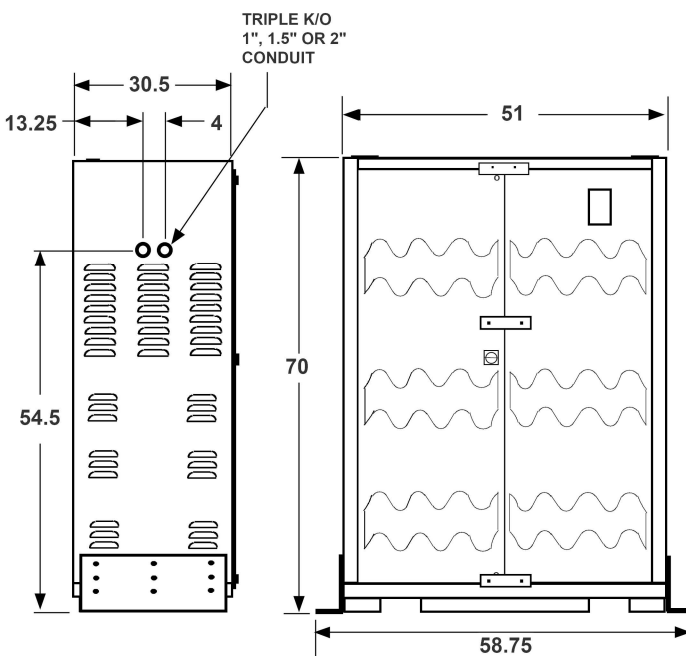
		POWER WAVE 4 SHAKER TABLE TESTED CENTRAL LIGHTING INVERTER	
SDR: SHERRIS	04/17/24	DWG NO.: 120-SV-TD-012	REV.: A
CHKD: M.T.	04/17/24		SHT 1 OF 1
APPVD: HN	04/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	

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

SHAKER TABLE TEST CERTIFIED BY (HCAI)



TOP VIEW

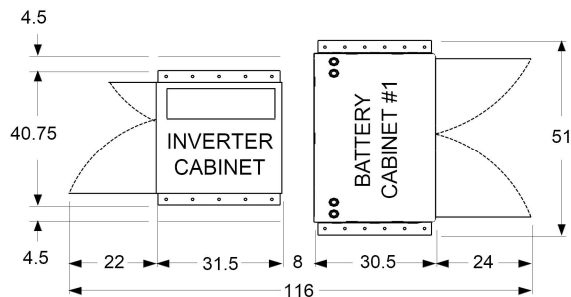
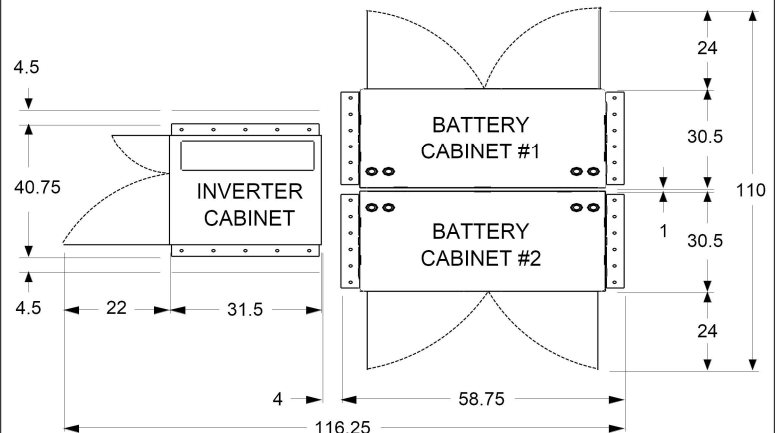
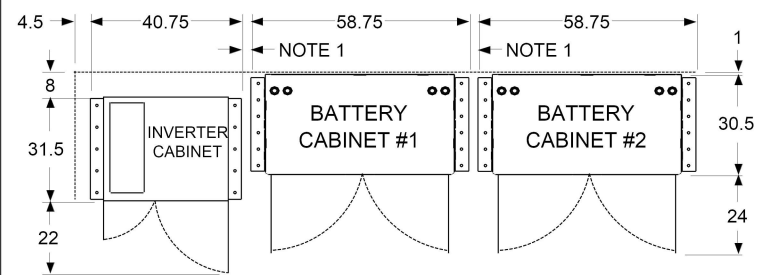


LEFT VIEW

FRONT VIEW

RECOMMENDED SYSTEM LAYOUTS

STANDARD VRLA BATTERY		
KVA/KW	BATTERY CABINET QTY 90 MIN.	BATTERY CABINET QTY 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



NOTES:

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES
- 4) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR

Line POWER

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

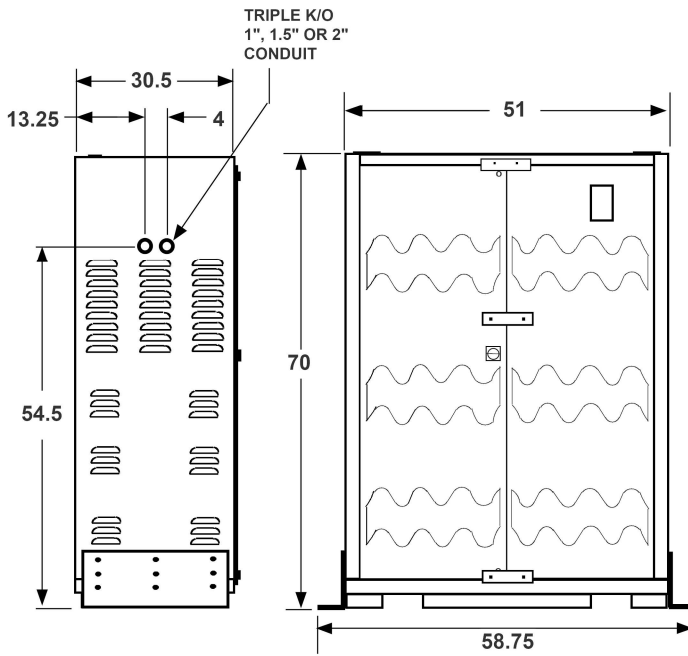
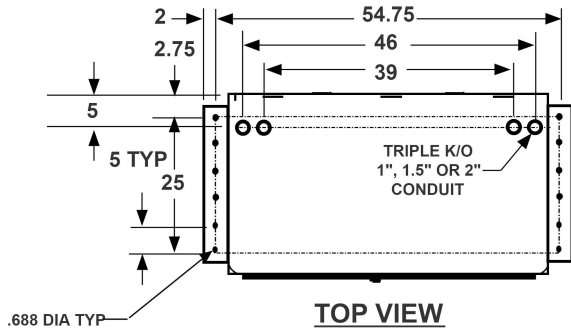
**POWER WAVE 4
SHAKER TABLE TESTED
BATTERY CABINET**

DWG NO.: 120-SV-TD-013
 REV.: A
 SHT 1 OF 1

SUBJECT TO CHANGE WITHOUT NOTICE

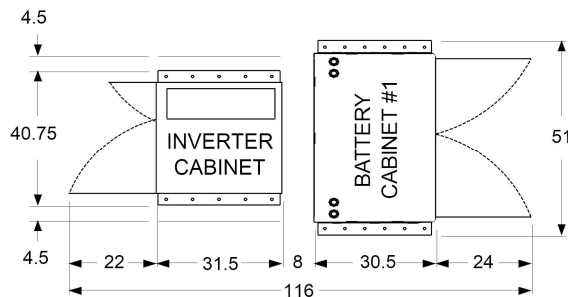
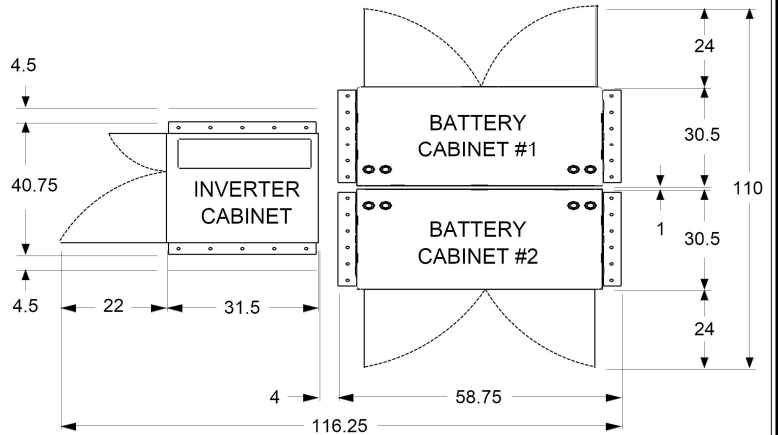
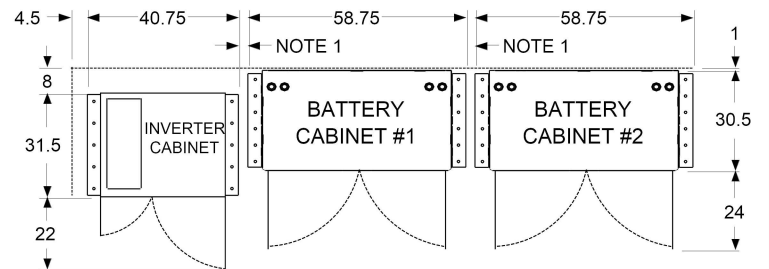
BATTERY CABINET (10 KVA - 60 KVA) LONG LIFE BATTERY

SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUTS

LONG LIFE BATTERY		
KVA/KW	BATTERY CABINET QTY 90 MIN.	BATTERY CABINET QTY 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



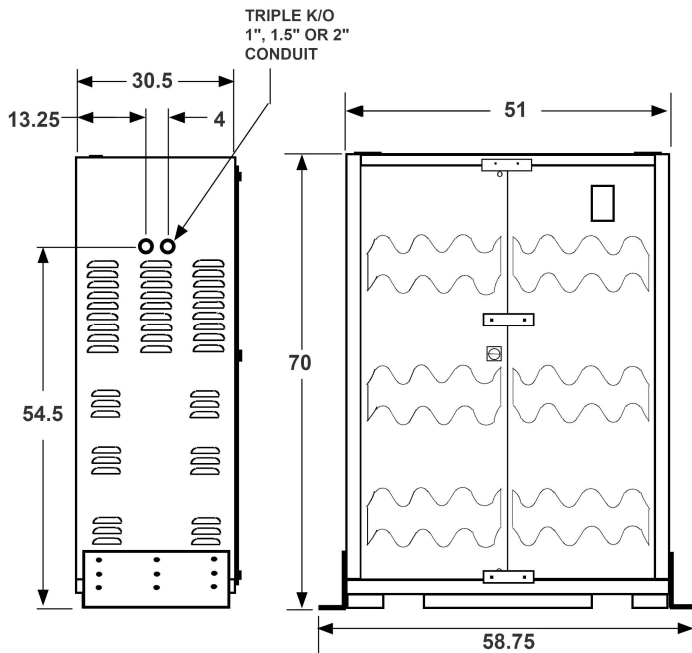
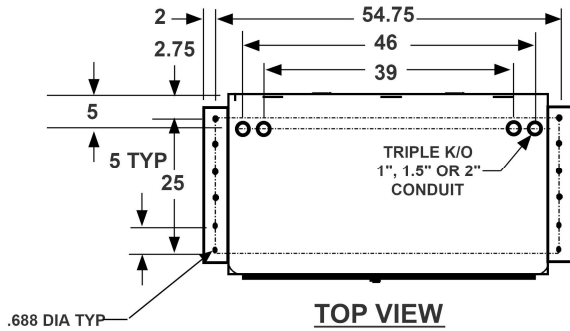
NOTES:

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES
- 4) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR

		POWER WAVE 4 SHAKER TABLE TESTED BATTERY CABINET	
		SDR : SHERRIS 04/17/24	DWG NO.: 120-SV-TD-014
CHKD : M.T. 04/17/24	APPVD : HN 04/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	

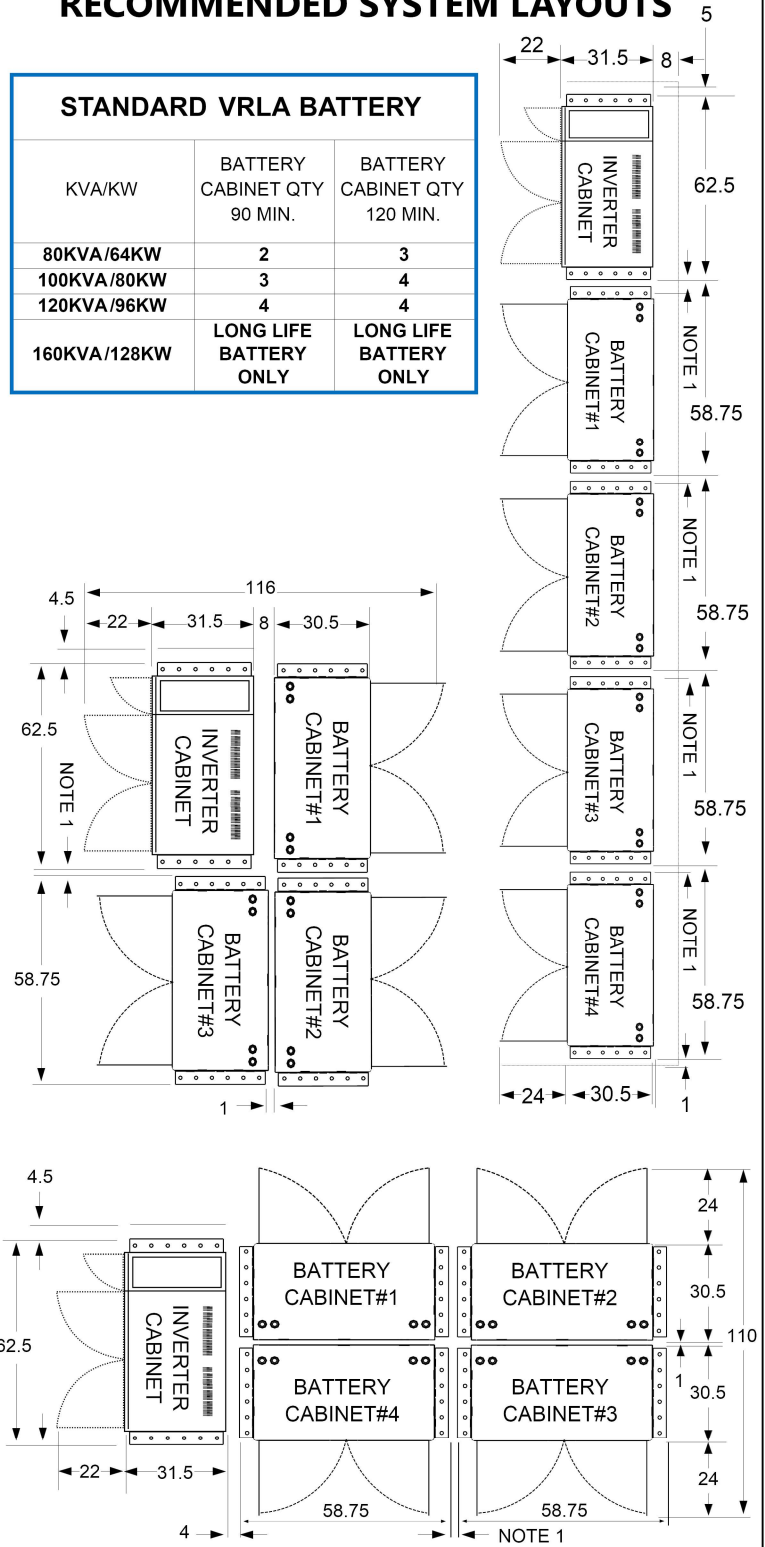
BATTERY CABINET (80 KVA - 160 KVA) STANDARD VRLA BATTERY

SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUTS

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



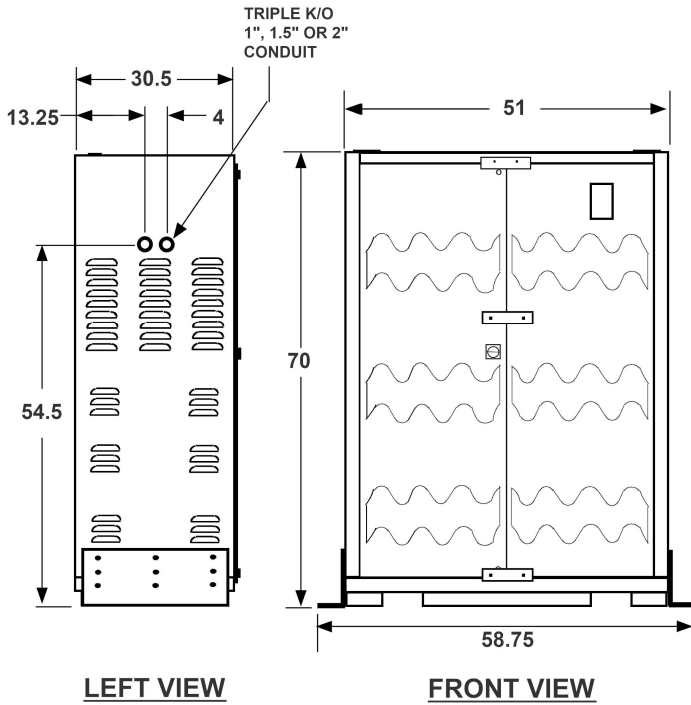
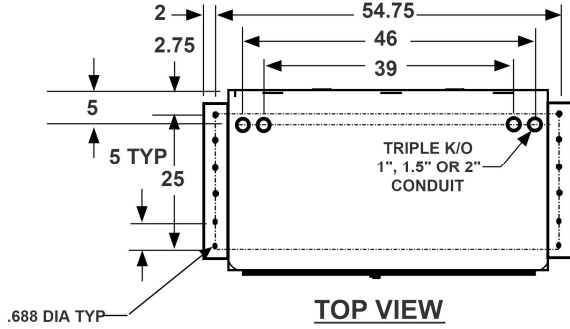
NOTES:

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES
- 4) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR

		POWER WAVE 4 SHAKER TABLE TESTED BATTERY CABINET	
		SDR : SHERRIS 04/17/24	DWG NO.: 120-SV-TD-015
CHKD : M.T. 04/17/24	APPVD : HN 04/17/24	SUBJECT TO CHANGE WITHOUT NOTICE	

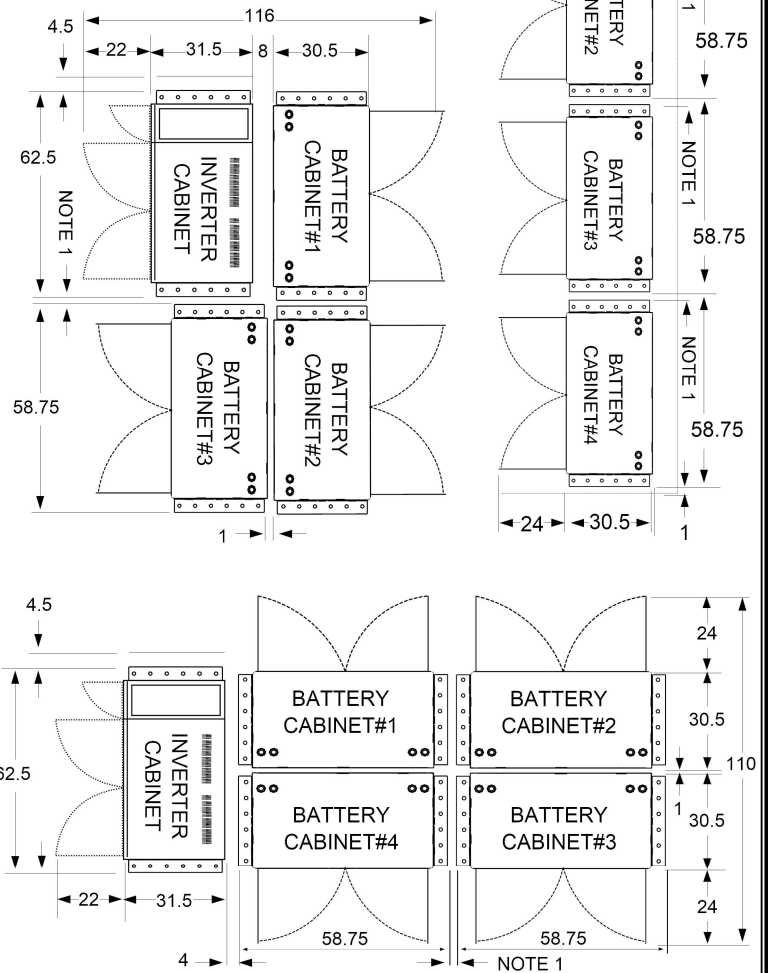
BATTERY CABINET (80 KVA - 160 KVA) LONG LIFE BATTERY

SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUTS

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



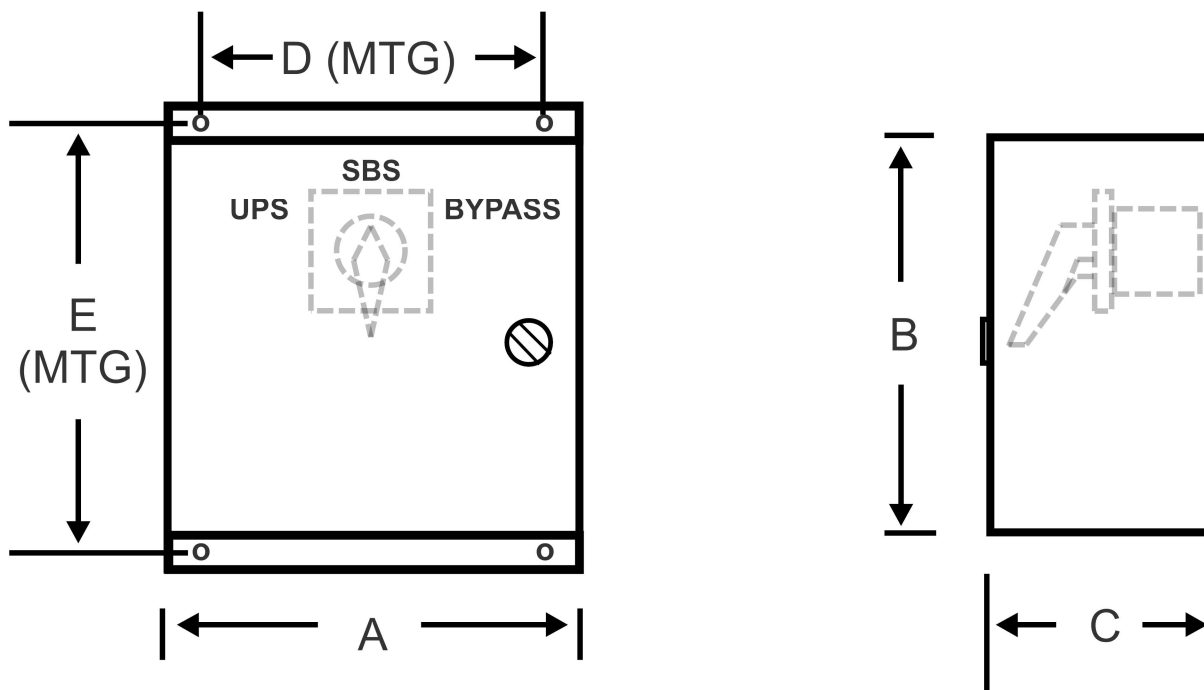
NOTES:

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES
- 4) KNOCKOUTS ON CONDUIT PLATES TO BE DONE BY INSTALLING CONTRACTOR

	POWER WAVE 4 SHAKER TABLE TESTED BATTERY CABINET		
	SDR : SHERRIS 04/17/24	DWG NO.: 120-SV-TD-016	REV.: A SHT 1 OF 1
CHKD : M.T. 04/17/24	APPVD : HN 04/17/24	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	SHT 1 OF 1		
APPVD : HN	4/17/24	SUBJECT TO CHANGE WITHOUT NOTICE		