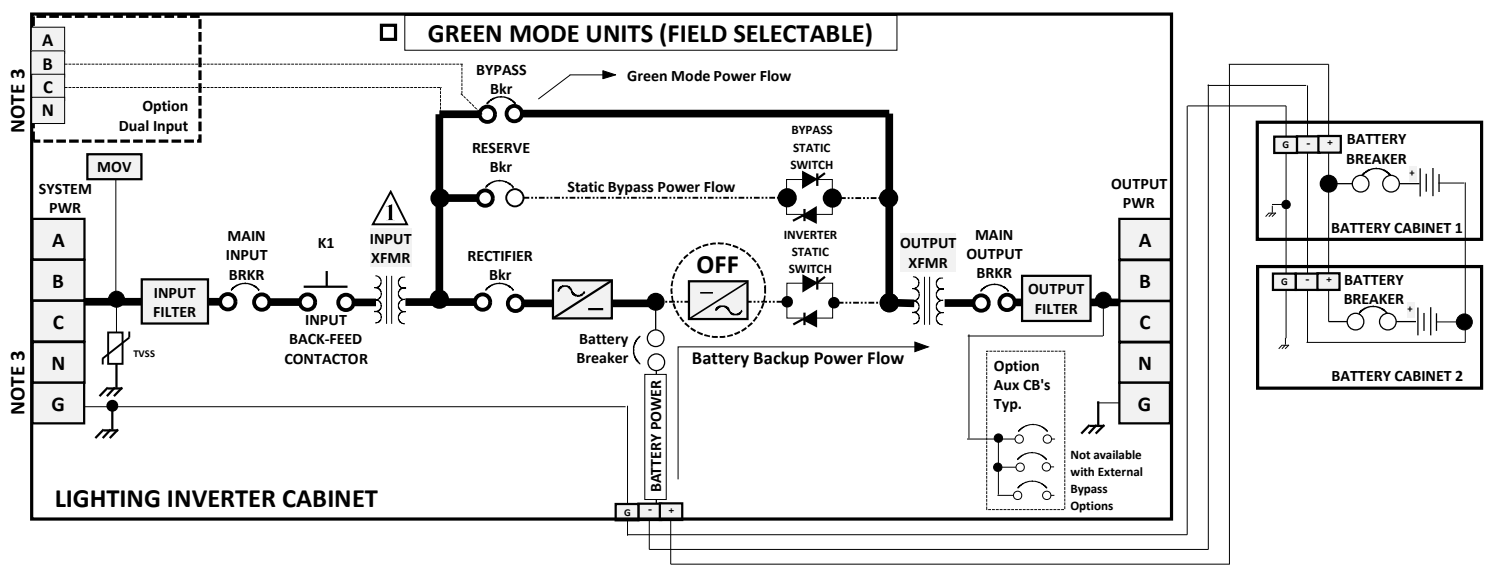
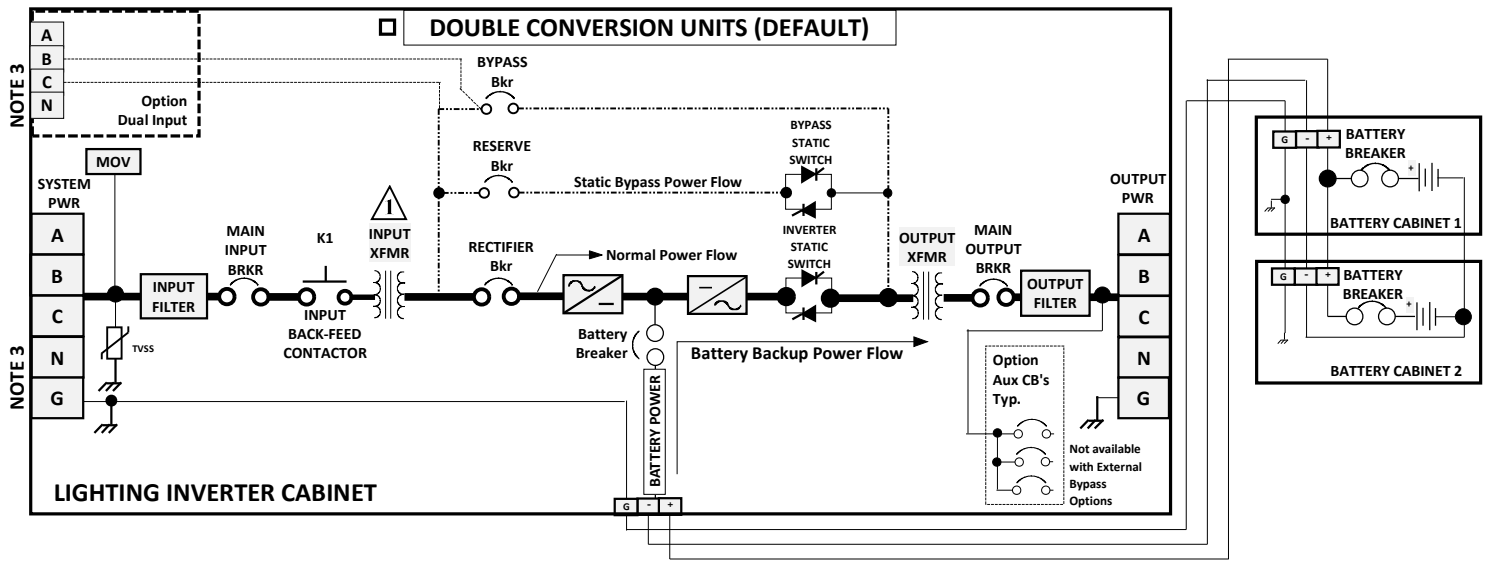


POWER RIDE 4 LIGHTING INVERTER TYPICAL SINGLE LINE DIAGRAM



NOTE(S):

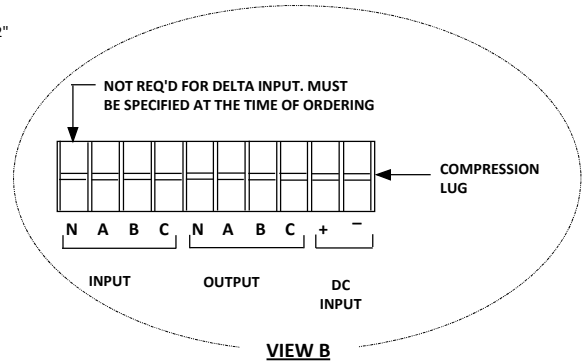
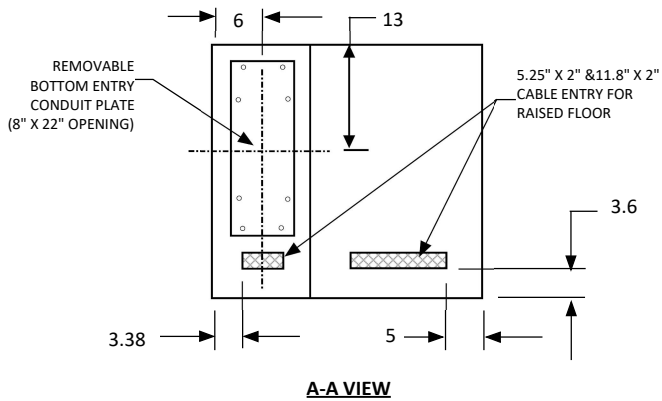
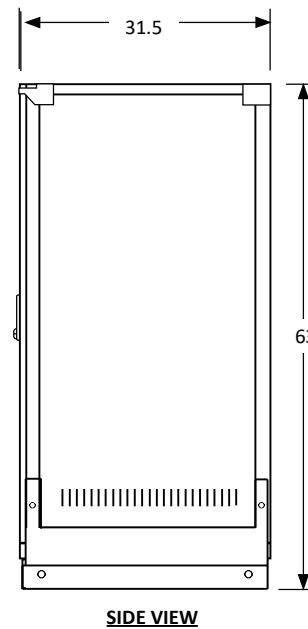
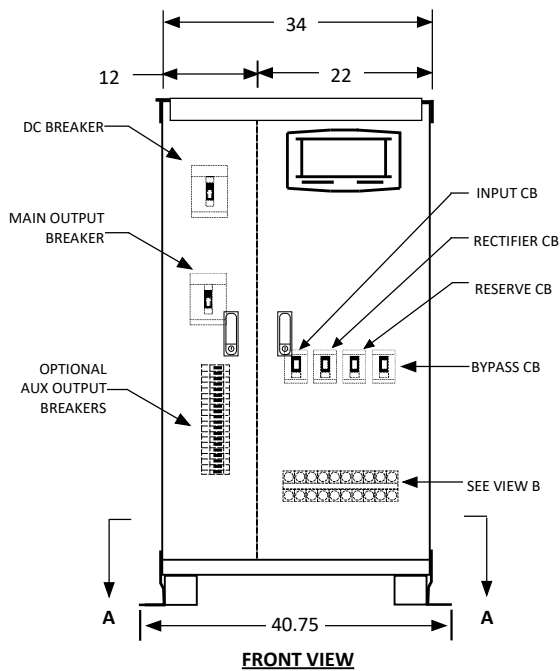
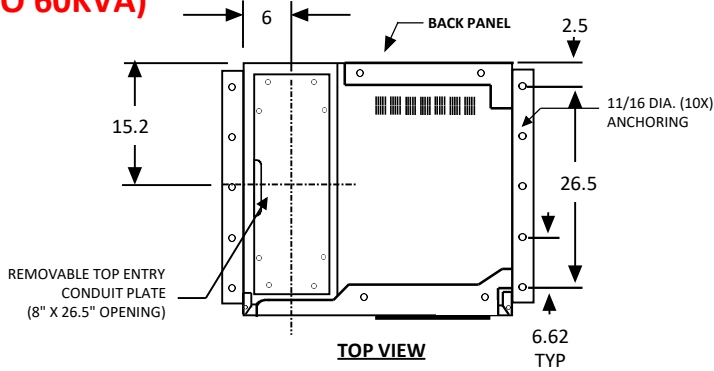
- 1. Bypass and Inverter Static Switches will be powered from the *Input Transformer* for different input and output voltage configurations.
- 2. Power Flow is through Static Bypass Switch (**WHEN IN GREEN MODE**) during Input Power Drop
- 3. **Optional Delta Units are available. Neutral not required.**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

SUBJECT TO CHANGE WITHOUT NOTICE

POWER RIDE 4 CENTRAL LIGHTING INVERTER

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

SHAKER TABLE TEST CERTIFIED BY (HCAI)



NOTE(S):

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

SUBJECT TO CHANGE WITHOUT NOTICE



POWER RIDE 4
SHAKER TABLE TESTED
INVERTER CABINET

DRAWN : SHERRI S.

4/17/24

APPVD : HN

4/17/24

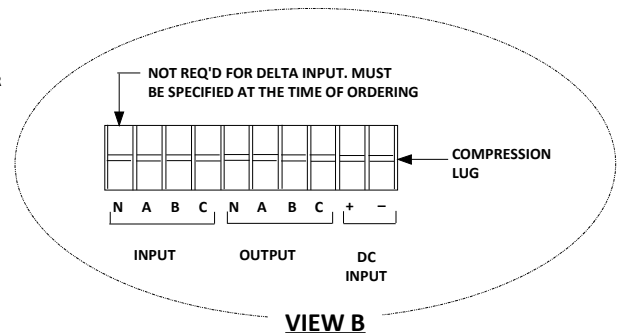
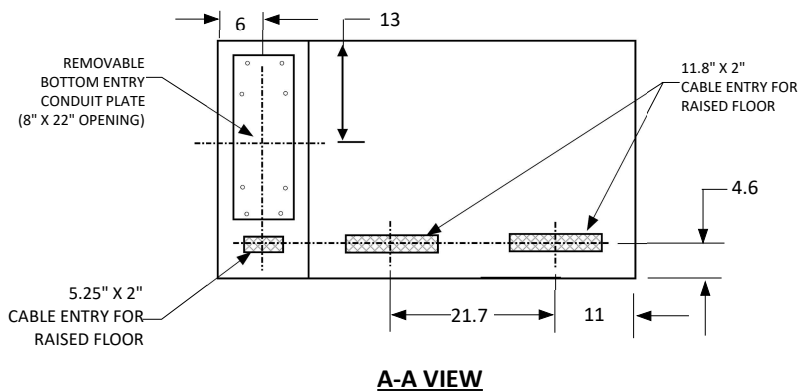
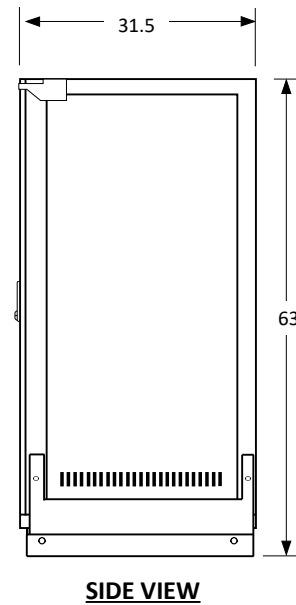
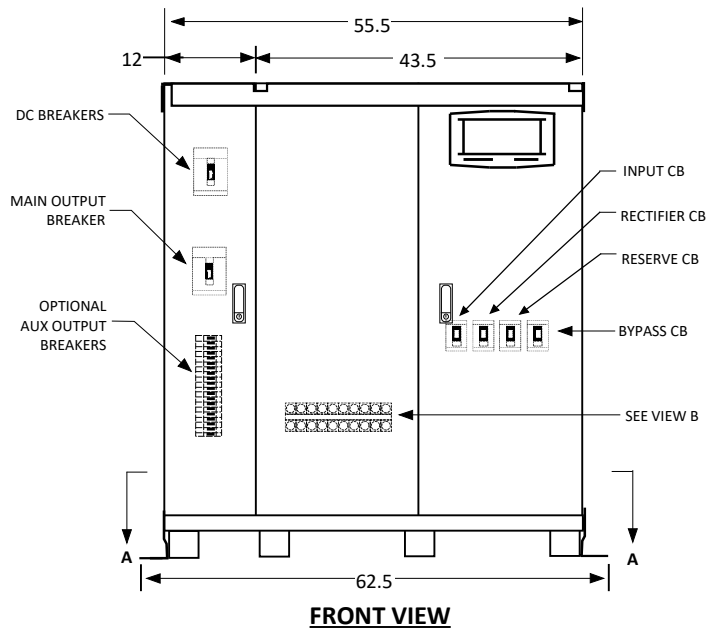
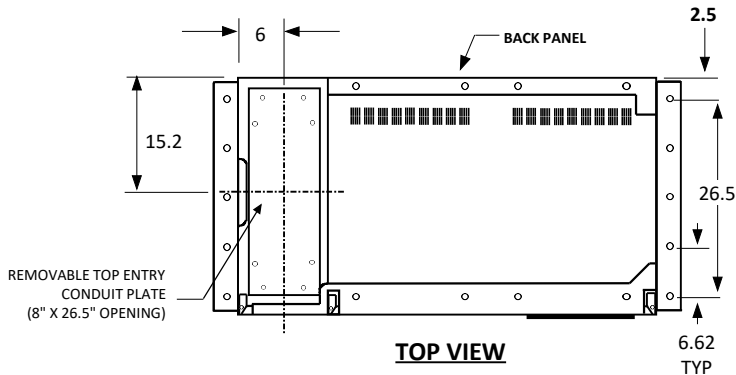
720-SV-TD-011

REVISION
A

SHEET
1 OF 1

POWER RIDE 4 CENTRAL LIGHTING INVERTER

ELECTRONIC CABINET ONLY
(80KVA TO 160KVA)
SHAKER TABLE TEST CERTIFIED BY (HCAI)



NOTE(S):

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

SUBJECT TO CHANGE WITHOUT NOTICE



POWER RIDE 4
 SHAKER TABLE TESTED
 INVERTER CABINET

DRAWN : SHERRI S.

4/17/24

APPVD : HN

4/17/24

720-SV-TD-012

REVISION

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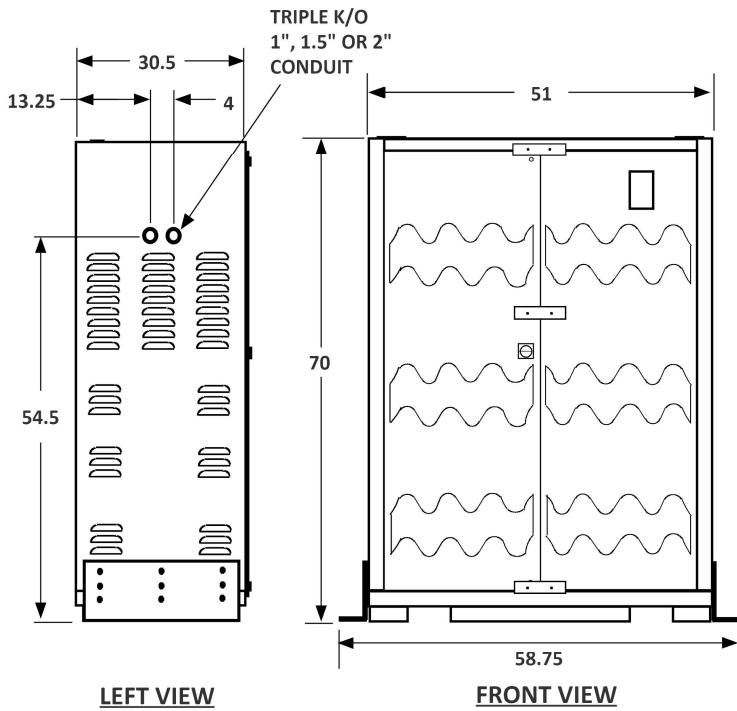
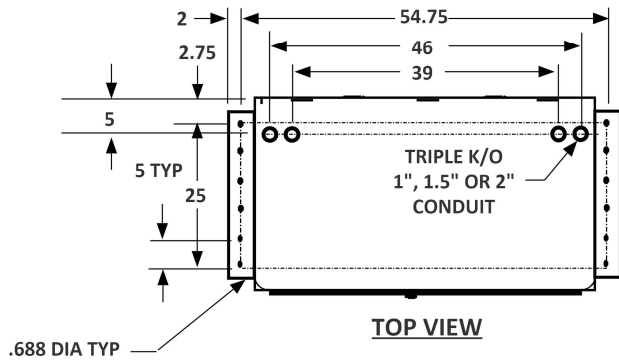
SHEET

1 OF 1

BATTERY CABINET (10 KVA TO 60 KVA)

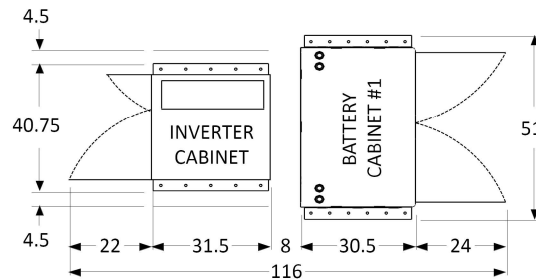
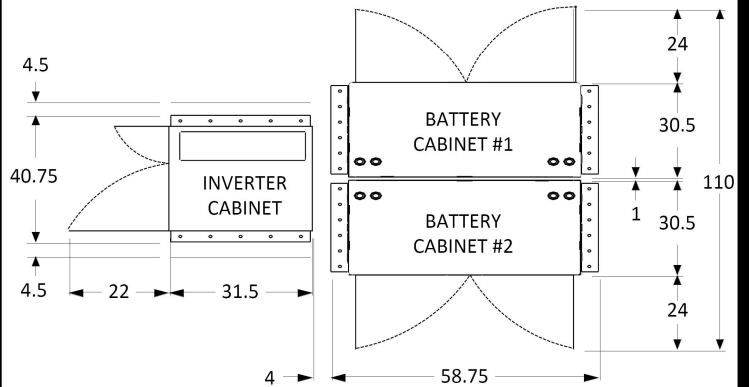
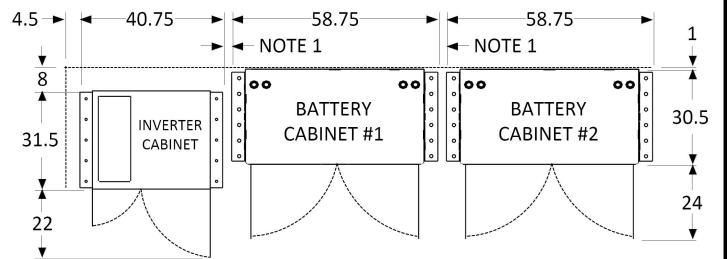
STANDARD VRLA BATTERY

SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUT

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



NOTE(S):

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES.



POWER RIDE 4
SHAKER TABLE TESTED
BATTERY CABINET (51" WIDE)

DRAWN : MT
APPVD : SHERRI S.

4/17/24
4/17/24

720-SV-TD-013

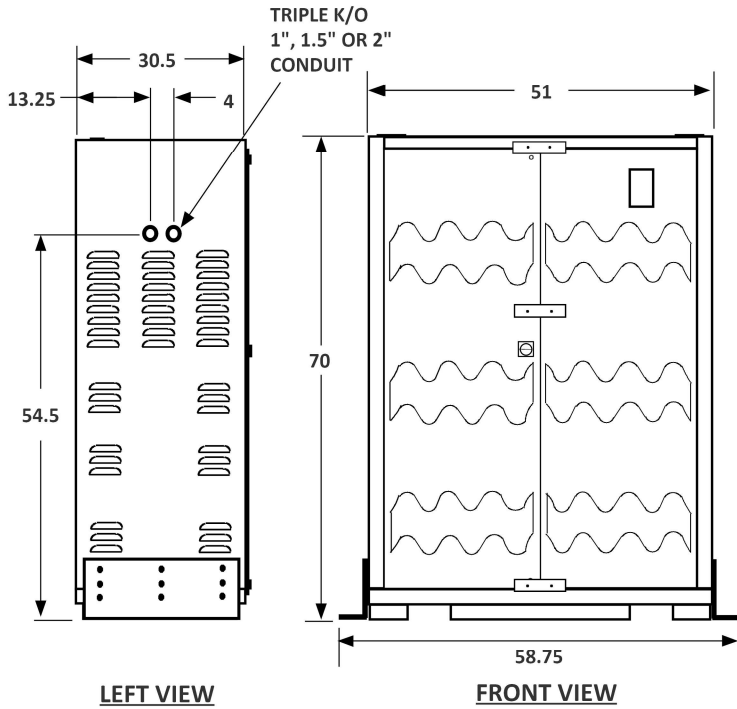
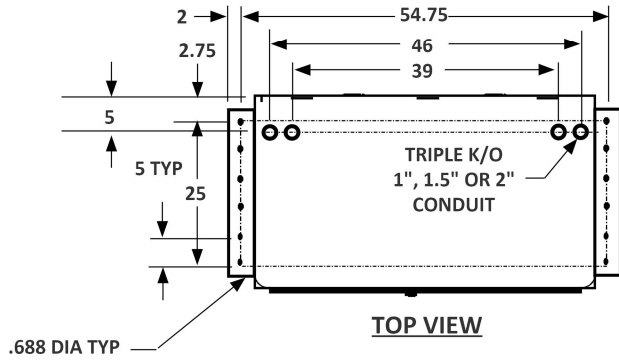
REVISION
A

SHEET
1 OF 1

BATTERY CABINET (10 KVA TO 60 KVA)

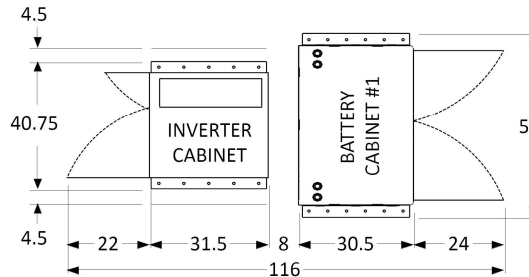
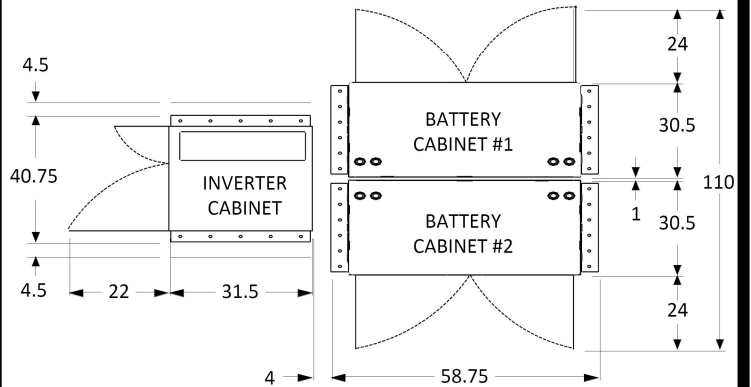
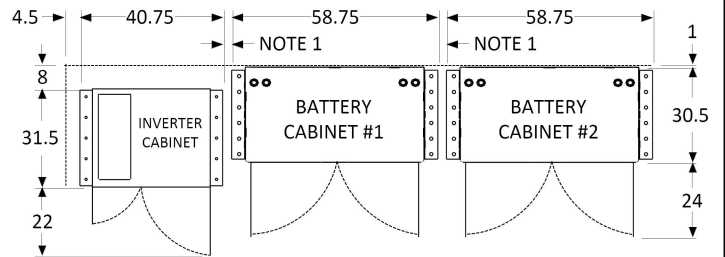
LONG LIFE BATTERY

SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUT

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



NOTE(S):

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES.



POWER RIDE 4
SHAKER TABLE TESTED
BATTERY CABINET (51" WIDE)

DRAWN : MT

4/17/24

APPVD : SHERRI S.

4/17/24

720-SV-TD-014

REVISION

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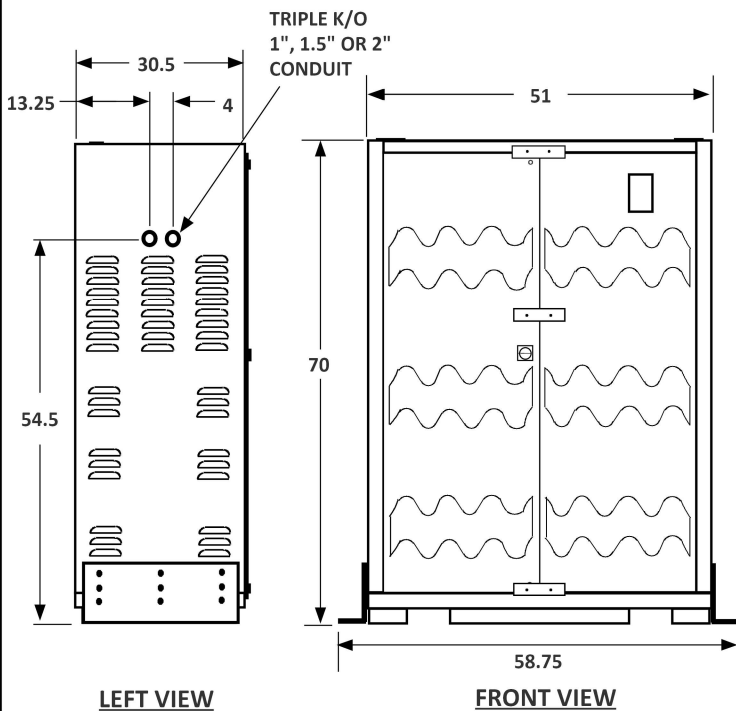
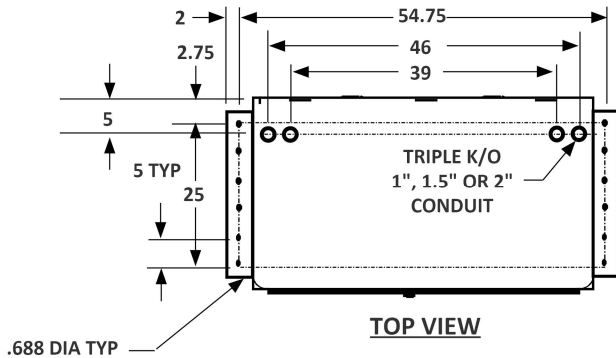
SHEET

1 OF 1

BATTERY CABINET (80 KVA TO 160 KVA)

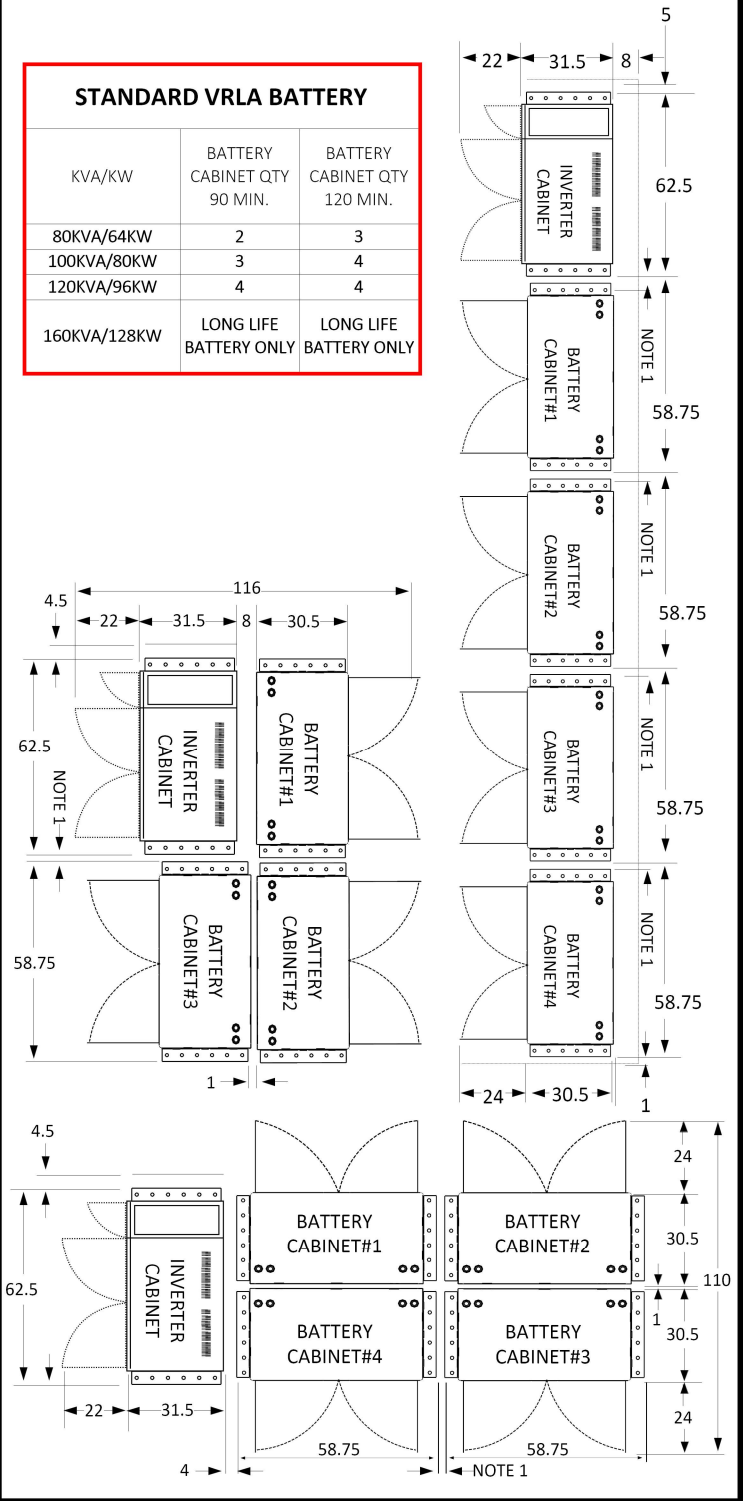
STANDARD VRLA BATTERY

SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUT

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



NOTE(S):

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES.



POWER RIDE 4
SHAKER TABLE TESTED
BATTERY CABINET (51" WIDE)

DRAWN : MT 4/17/24
APPVD : SHERRI S. 4/17/24

720-SV-TD-015

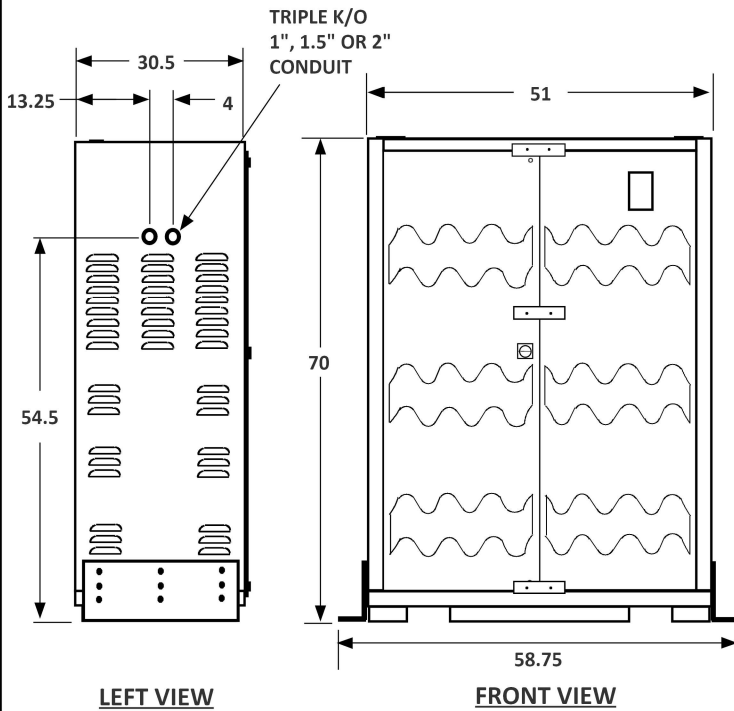
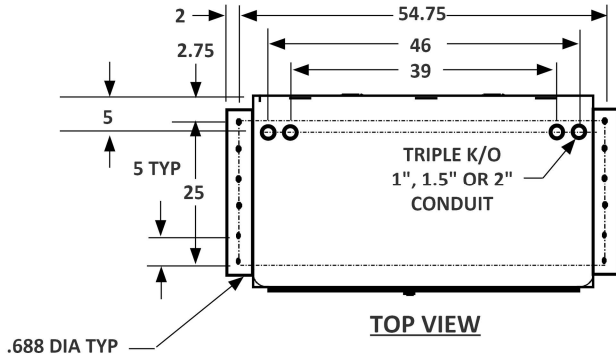
REVISION A

SHEET 1 OF 1

BATTERY CABINET (80 KVA TO 160 KVA)

LONG LIFE BATTERY

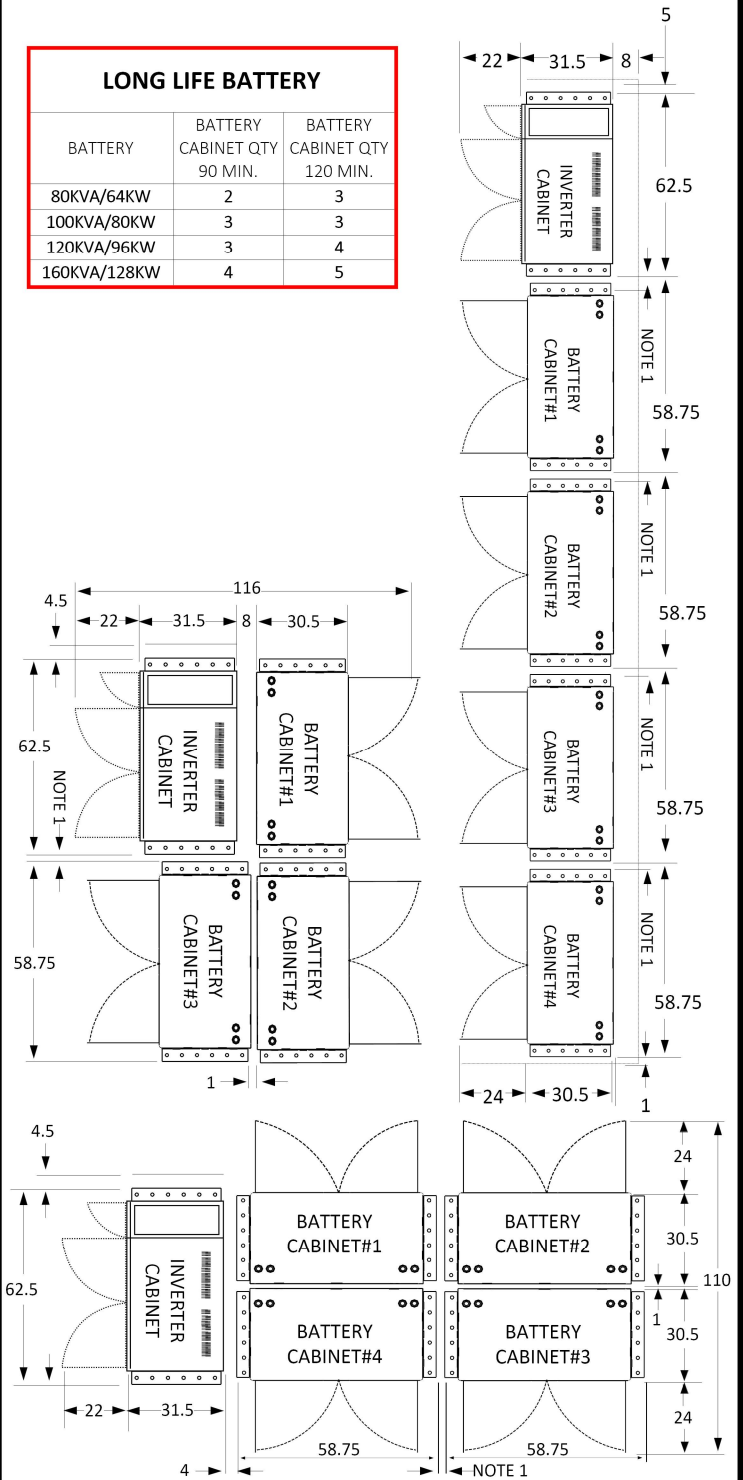
SHAKER TABLE TEST CERTIFIED BY (HCAI)



RECOMMENDED SYSTEM LAYOUT

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



NOTE(S):

- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) DIMENSIONS IN INCHES.



POWER RIDE 4
SHAKER TABLE TESTED
BATTERY CABINET (51" WIDE)

DRAWN : MT
APPVD : SHERRI S.

4/17/24
4/17/24

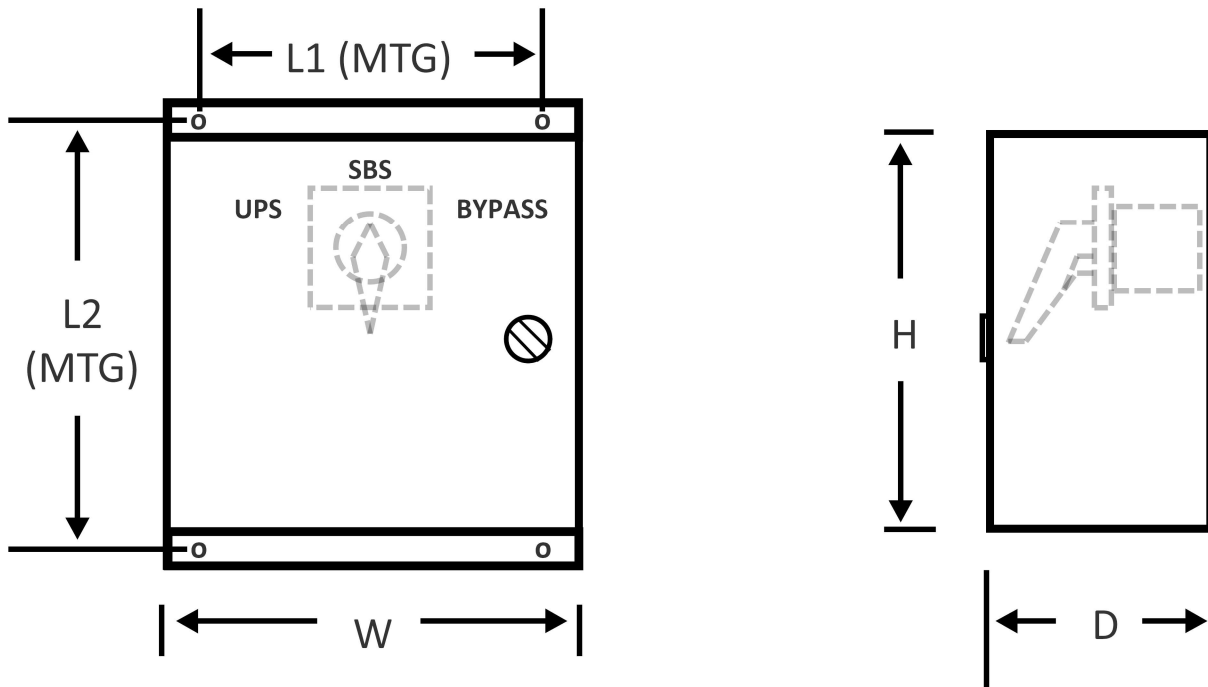
720-SV-TD-016

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SHEET
1 OF 1

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 W	DIM H	DIM D	DIM L1 (MTG)	DIM L2 (MTG)



NOTE(S):

- 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

SUBJECT TO CHANGE WITHOUT NOTICE



POWER RIDE 3 / 4 EXTERNAL
BYPASS SWITCH

DRAWN : SS
APPVD : HN

4/17/24
4/17/24

715-TD-016

REVISION
A

SHEET
1 OF 1