

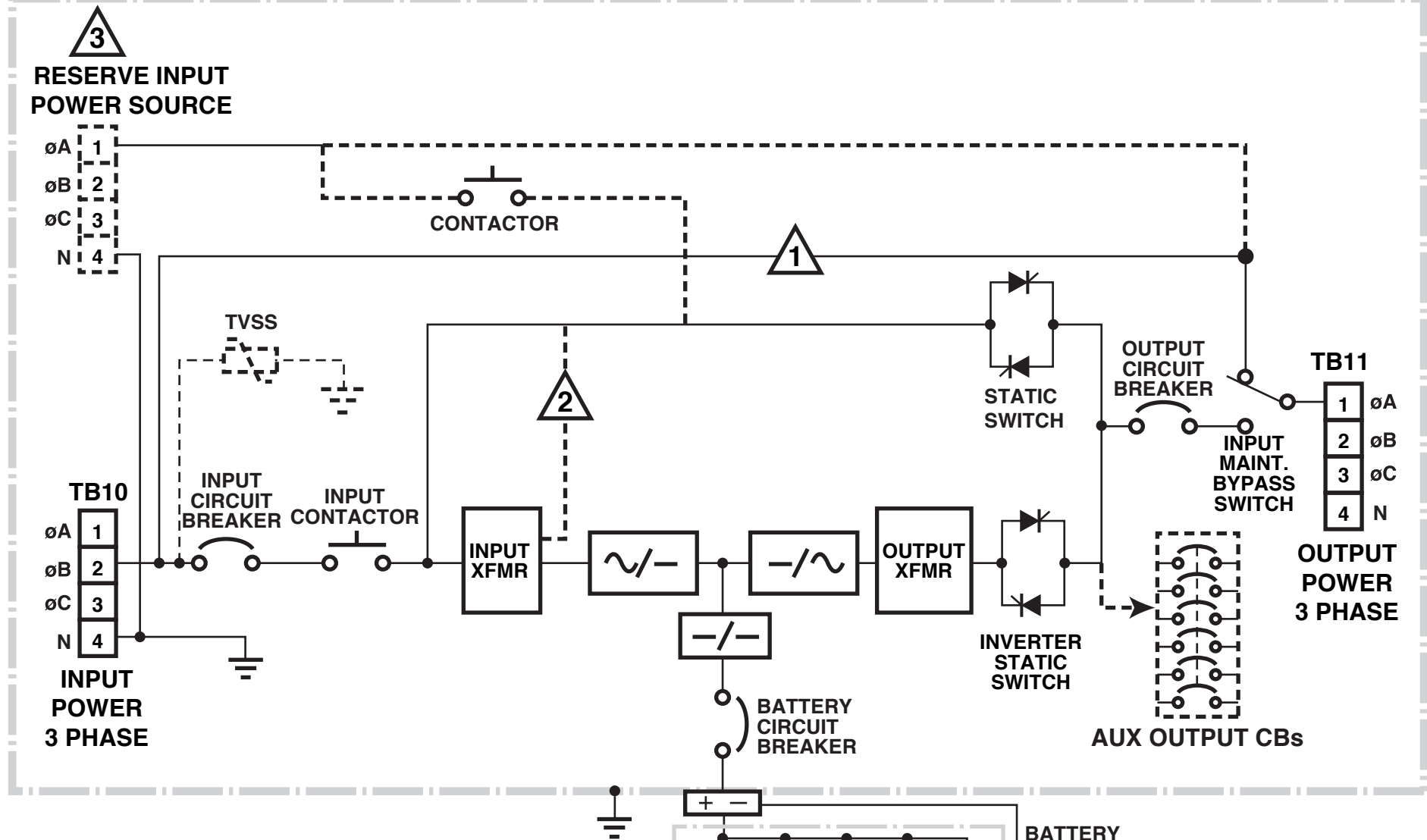
--- Optional

⚠ Line removed when External Reserve Input Power is in use.

⚡ Use for different Input and Output Voltage unit.

**NOTE:** Optional External Wrap-around Bypass Switch is available.

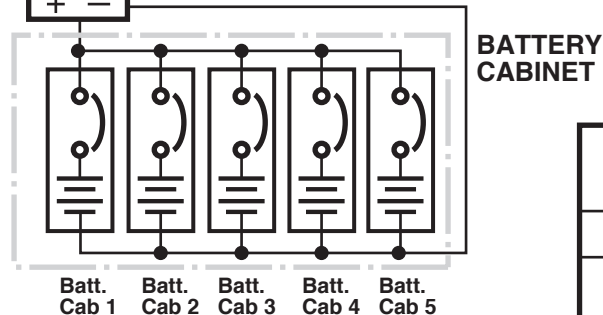
3 Phase Inverter Functional Block Diagram	
Single Input	CPP4604B



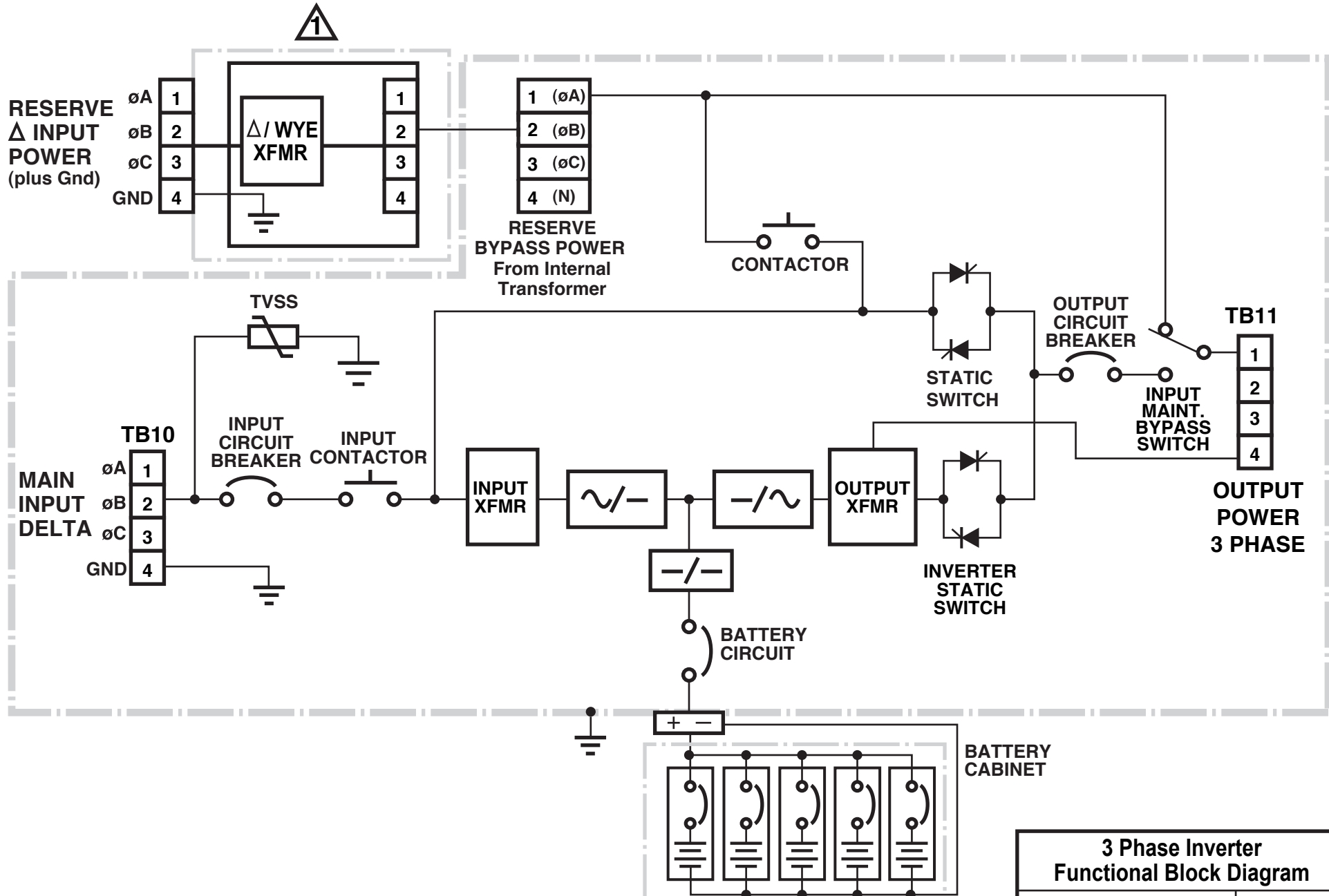
--- Optional

- ① Line removed when External Reserve Input Power is in use.
- ② Use for different Input and Output Voltage unit.
- ③ Reserve input voltage must be same as Inverter output voltage.

**NOTE:** Optional External Wrap-around Bypass Switch is available.

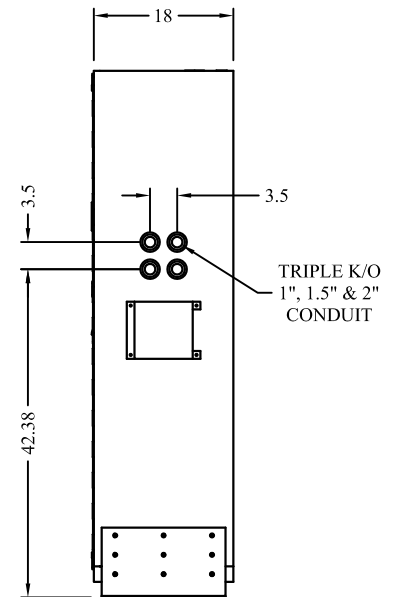
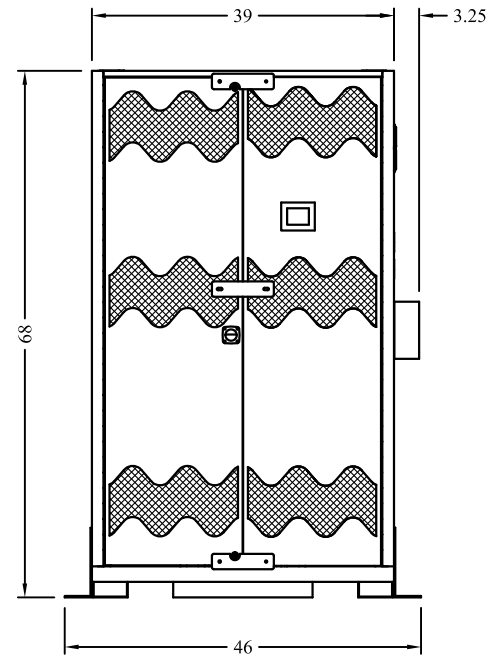
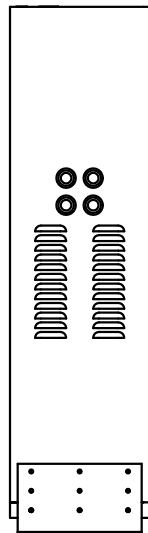
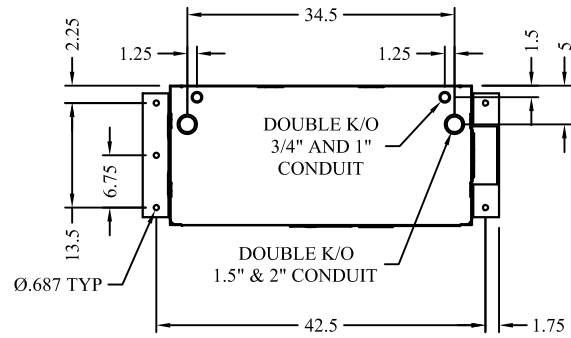
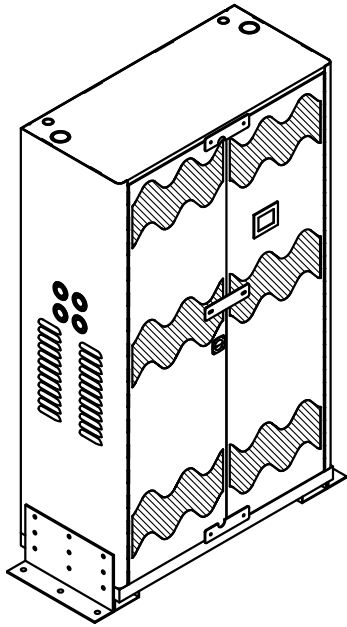


3 Phase Inverter Functional Block Diagram	
Dual Input Wye/Wye	CPP4605C
<b>CPP CRUCIAL POWER PRODUCTS</b>	



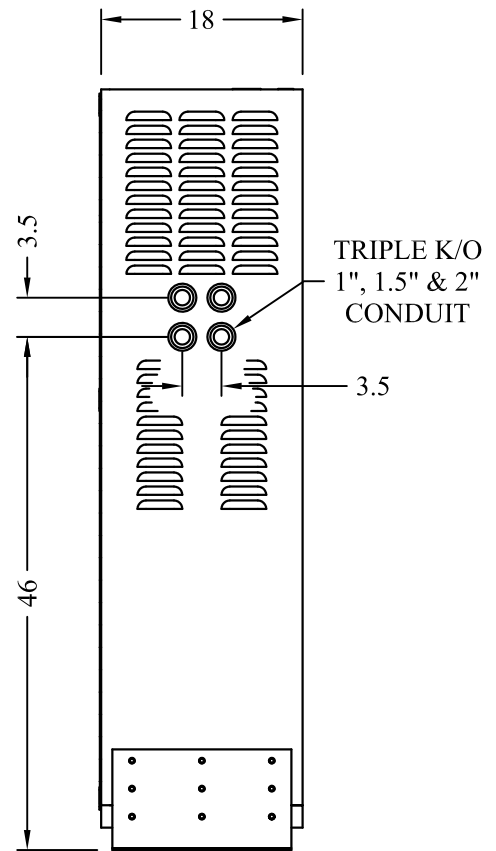
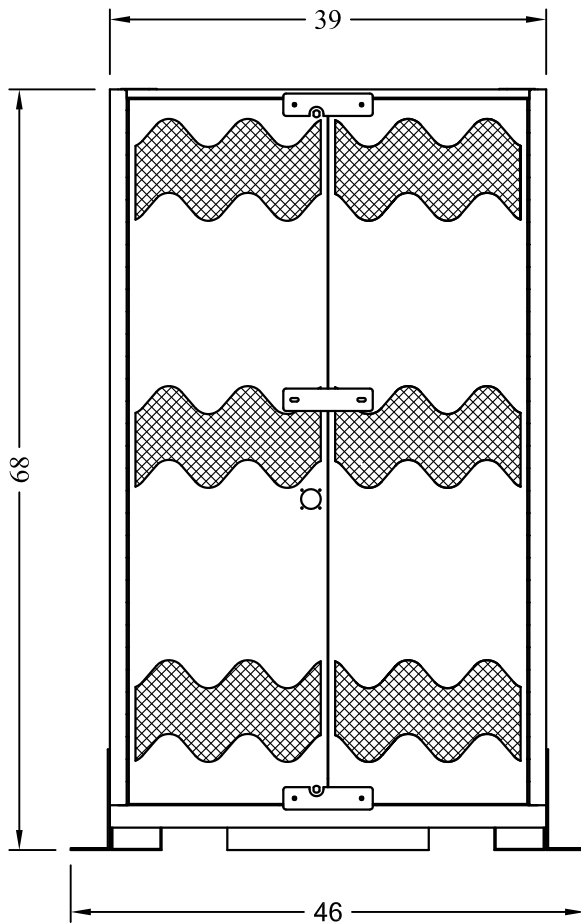
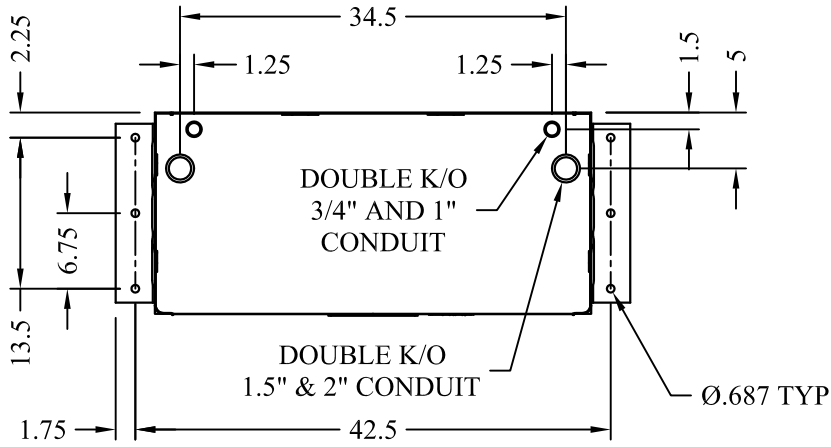
⚠ Optional External Δ - WYE XFMR when the reserve is 3 wire Delta input.

<b>3 Phase Inverter Functional Block Diagram</b>	
Dual Input Delta/Delta	CPP4612B
<b>CRUCIAL POWER PRODUCTS</b>	



8 KW THRU 50 KW  
OSHPD CERTIFIED

<b>CRUCIAL POWER PRODUCTS</b>			
WAVE RIDER 3 CENTRAL LIGHTING INVERTER			
DRAWN:	SHERRI	7/26/18	415-SV-TD-A
APPVD:	HENRY	7/26/18	
			REV A



OSHPD CERTIFIED

CRUCIAL POWER PRODUCTS

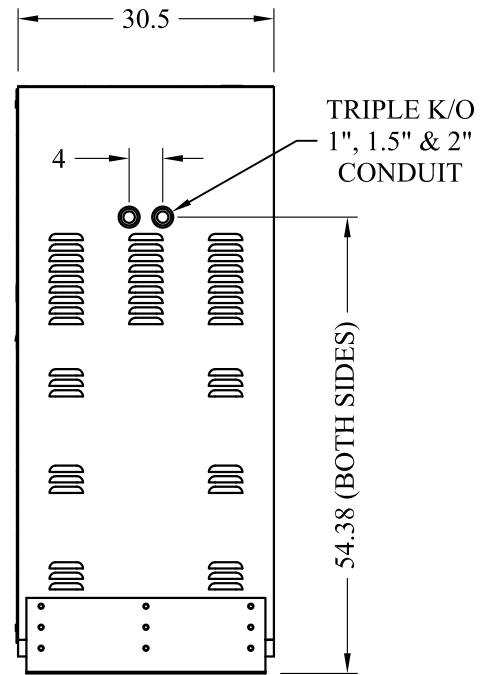
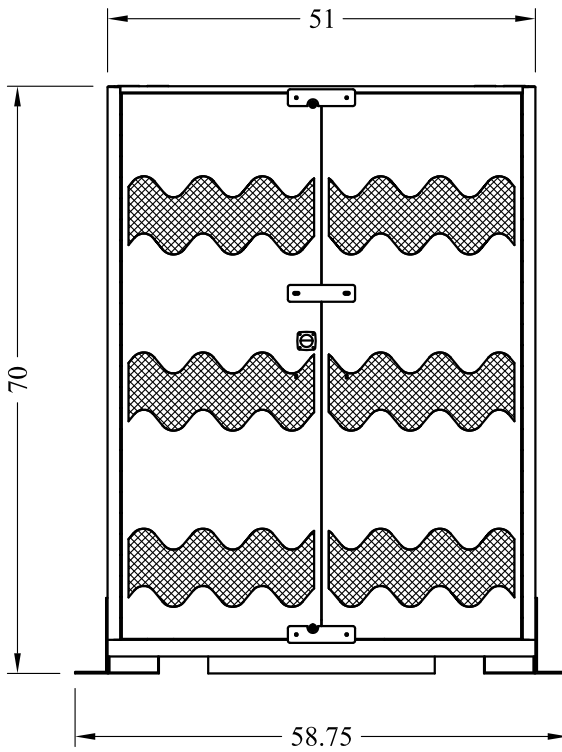
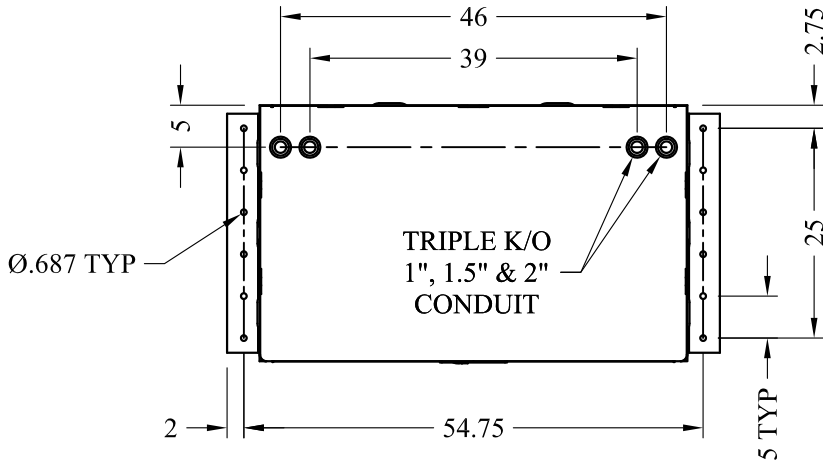
WAVE RIDER 3  
BATTERY CABINET

8 KW

DRAWN:	SHERRI	7/26/18
APPVD:	HENRY	7/26/18

415-SV-TD-B

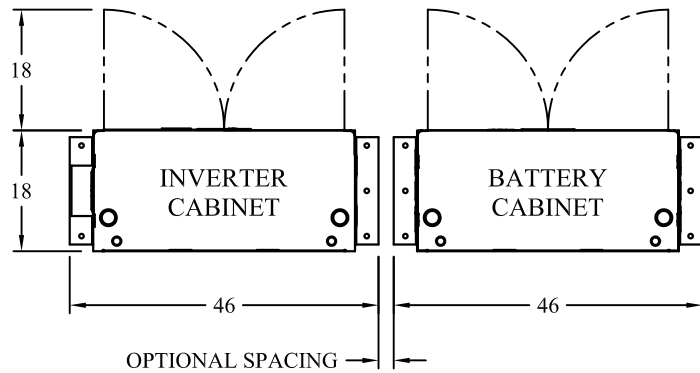
REV  
A



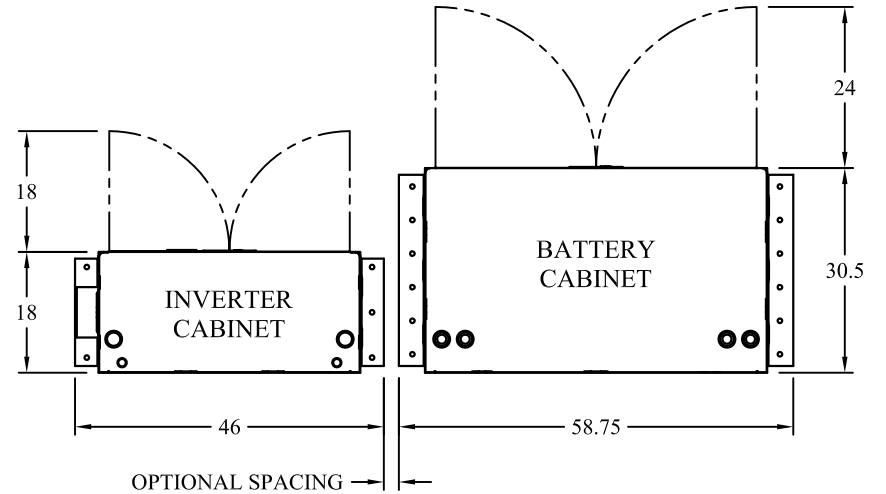
12 KW THRU 50 KW

OSHPD CERTIFIED

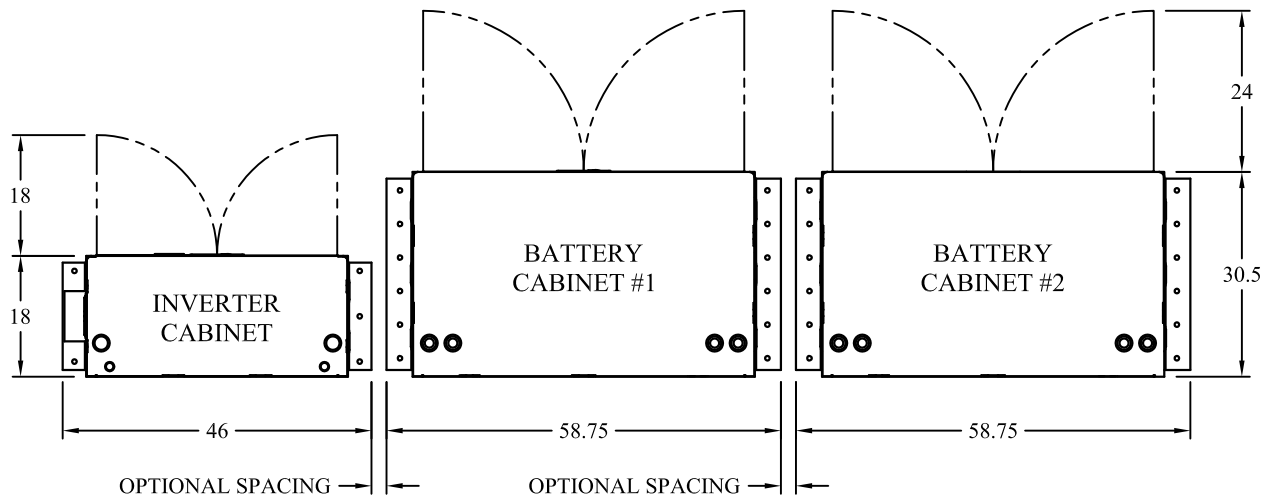
CRUCIAL POWER PRODUCTS			
WAVE RIDER 3 BATTERY CABINET			
DRAWN:	SHERRI	7/26/18	415-SV-TD-C
APPVD:	HENRY	7/26/18	
			REV A



8 KW



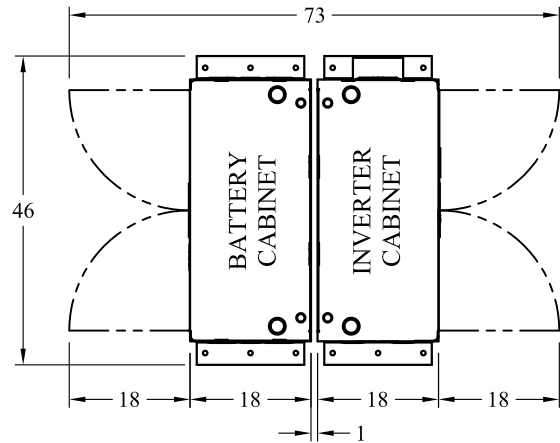
12 KW THRU 24 KW



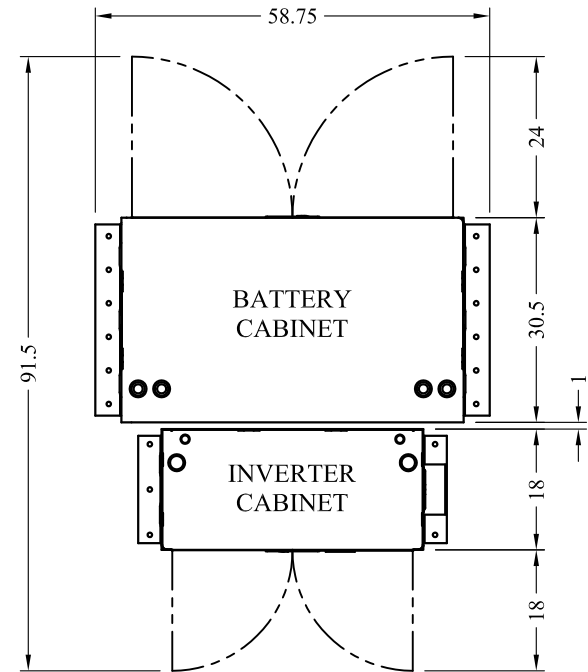
32 KW THRU 50 KW

STD VRLA BATTERY  
LAYOUT CONFIG #1

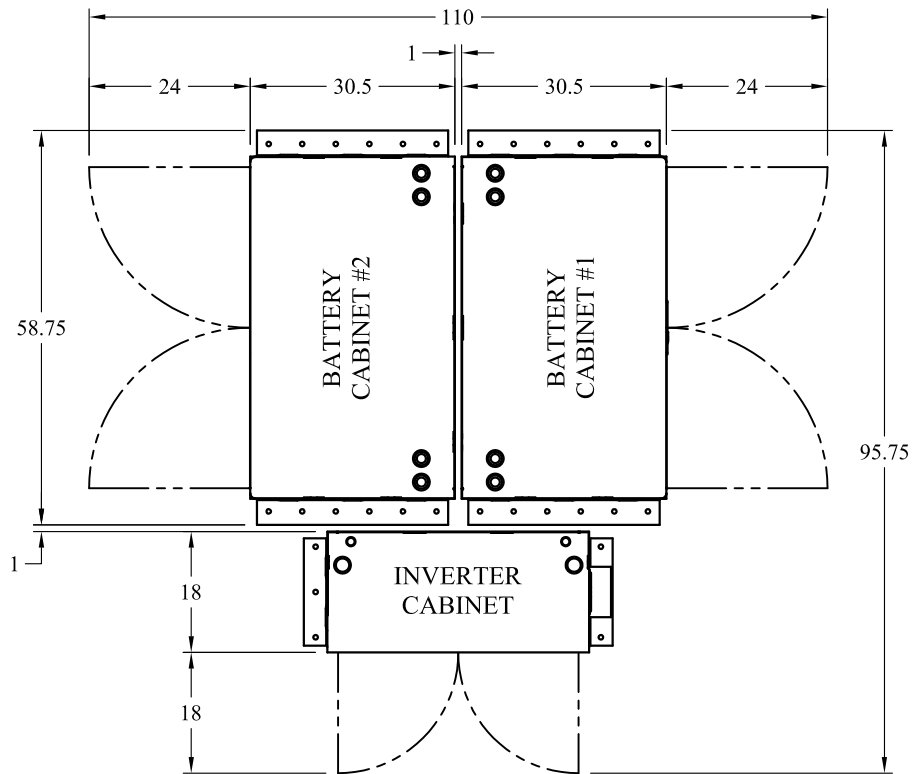
CRUCIAL POWER PRODUCTS			
WAVE RIDER 3 OSHPD CERTIFIED			
DRAWN:	SHERRI	7/27/18	415-SV-TD-D
APPVD:	HENRY	7/27/18	
			REV B



8 KW



12 KW THRU 24 KW



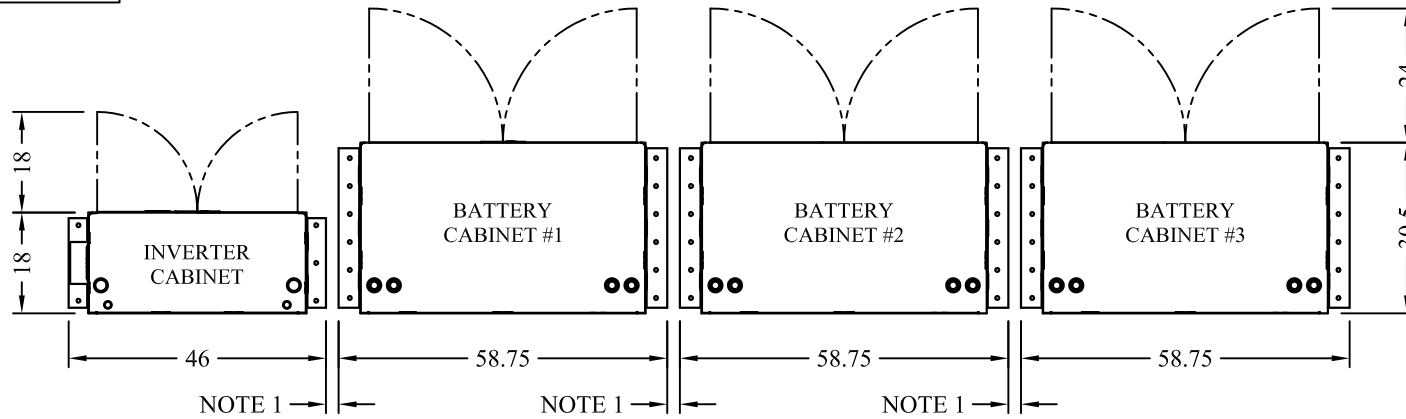
32 KW THRU 50 KW

STD VRLA BATTERY  
LAYOUT CONFIG #2

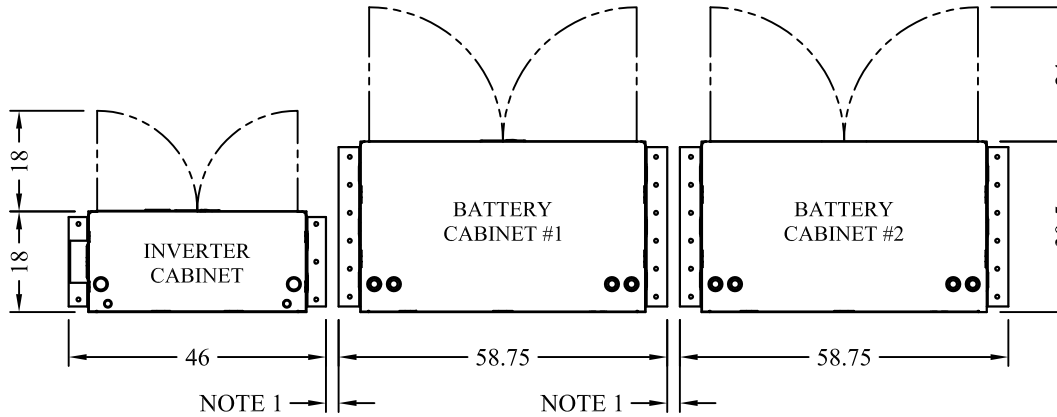
CRUCIAL POWER PRODUCTS			
WAVE RIDER 3 OSHPD CERTIFIED			
DRAWN:	SHERRI	10/1/19	415-SV-TD-E
APPVD:	HENRY	10/1/19	
			REV A



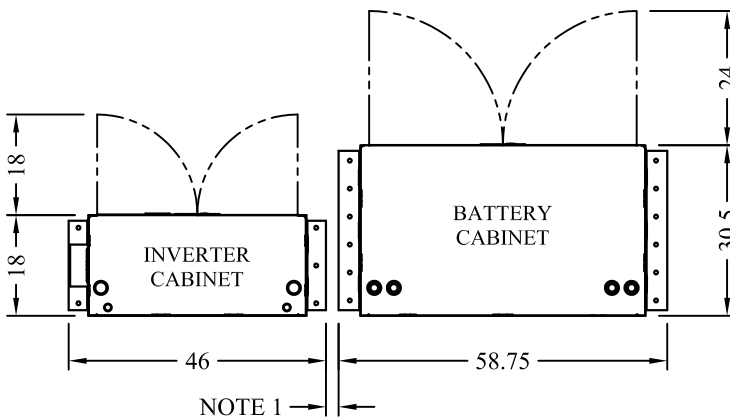
50 KW



32 KW  
THRU  
40 KW



8 KW  
THRU  
24 KW

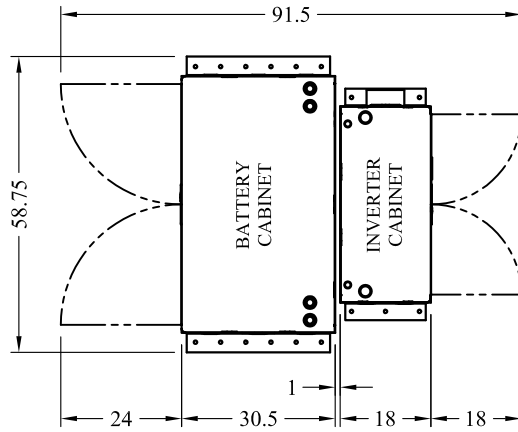


NOTES:

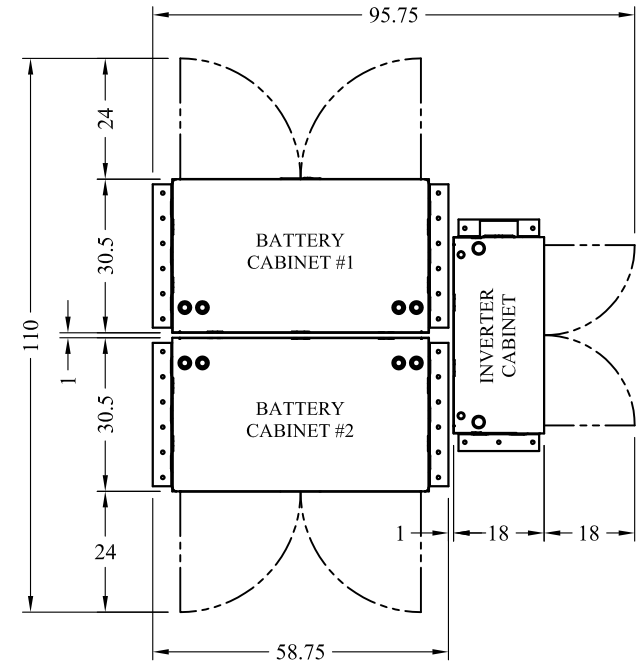
1) SPACING IS OPTIONAL  
NOT REQUIRED BY MFG.

FRONT TERMINAL BATTERY  
LAYOUT CONFIG #1

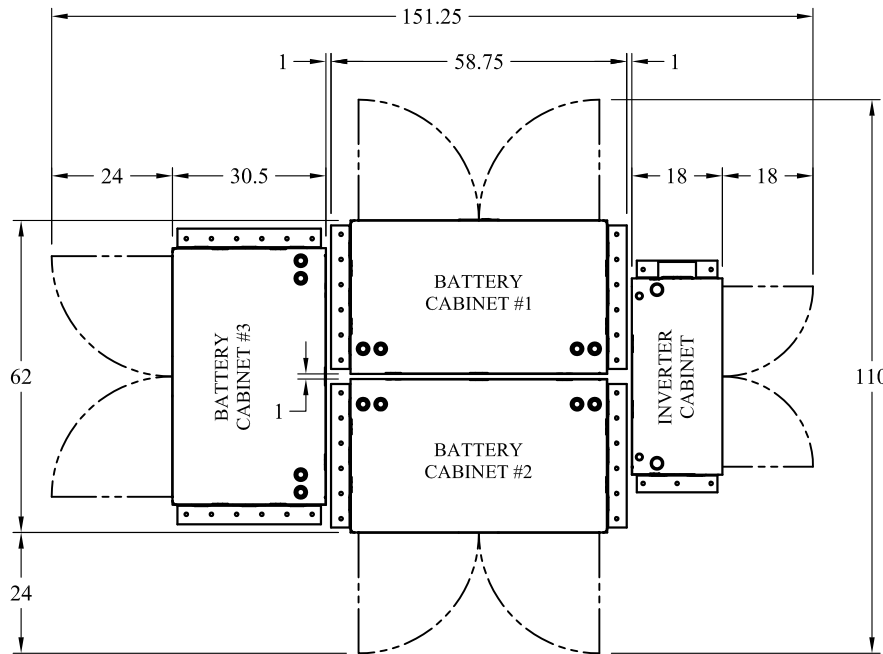
CRUCIAL POWER PRODUCTS			
WAVE RIDER 3 OSHPD CERTIFIED			
DRAWN:	SHERRI	10/2/19	415-SV-TD-F
APPVD:	HENRY	10/2/19	
			REV A



8 KW THRU 24 KW



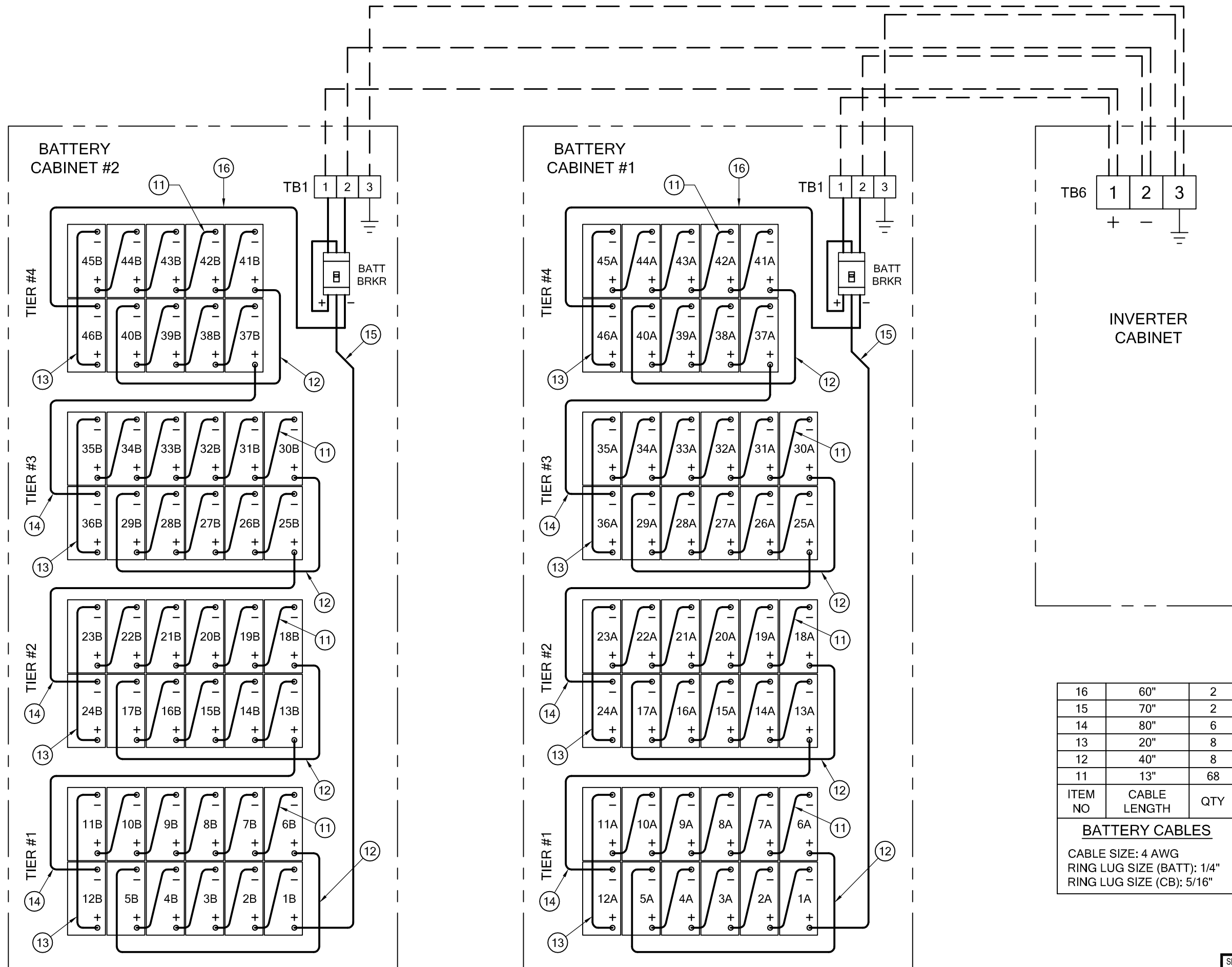
32 KW THRU 40 KW



50 KW

FRONT TERMINAL BATTERY  
LAYOUT CONFIG #2

CRUCIAL POWER PRODUCTS				
WAVE RIDER 3				
OSHPD CERTIFIED				
DRAWN:	SHERRI	10/2/19	415-SV-TD-G	REV
APPVD:	HENRY	10/2/19		A

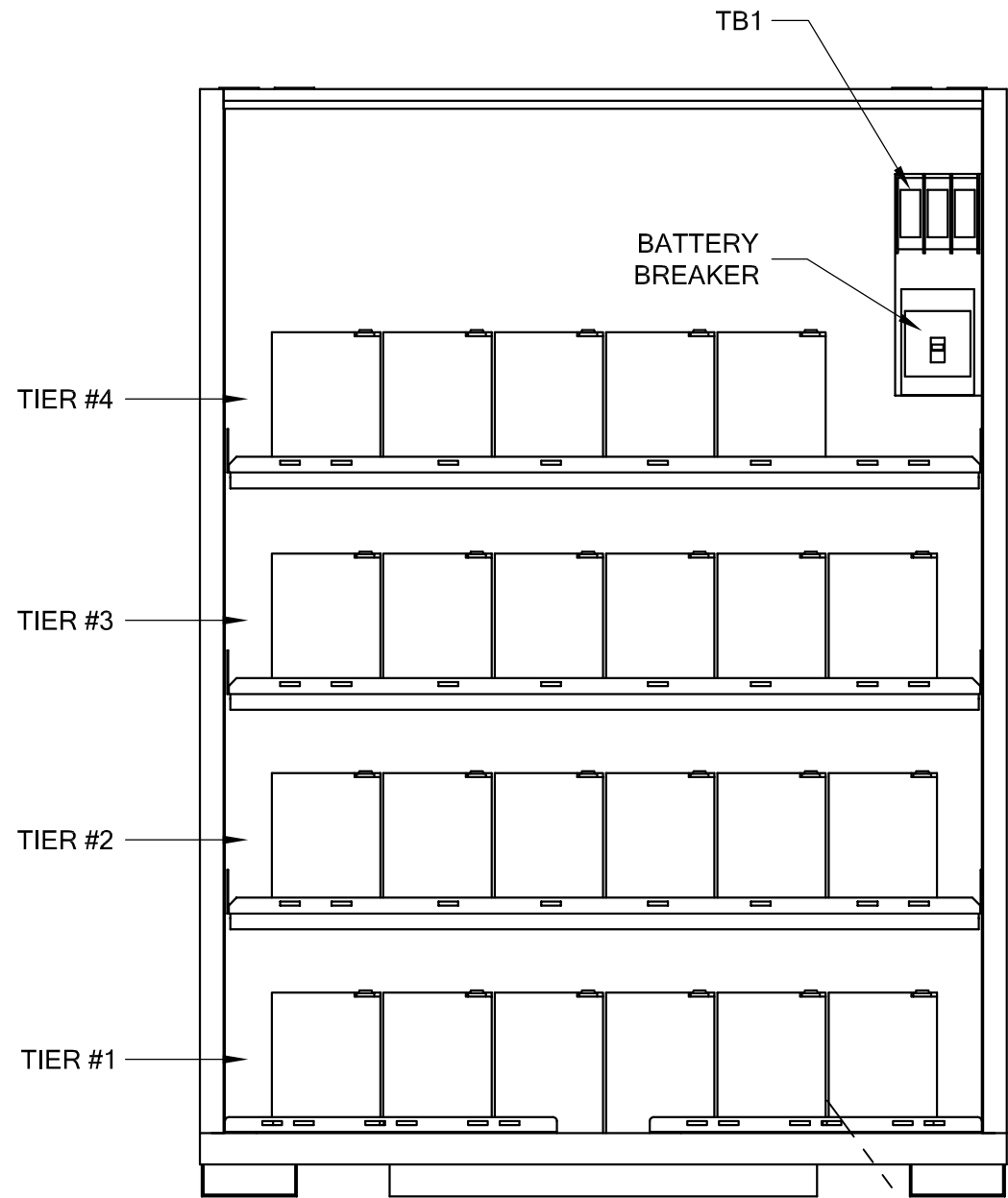


ITEM NO	CABLE LENGTH	QTY
16	60"	2
15	70"	2
14	80"	6
13	20"	8
12	40"	8
11	13"	68

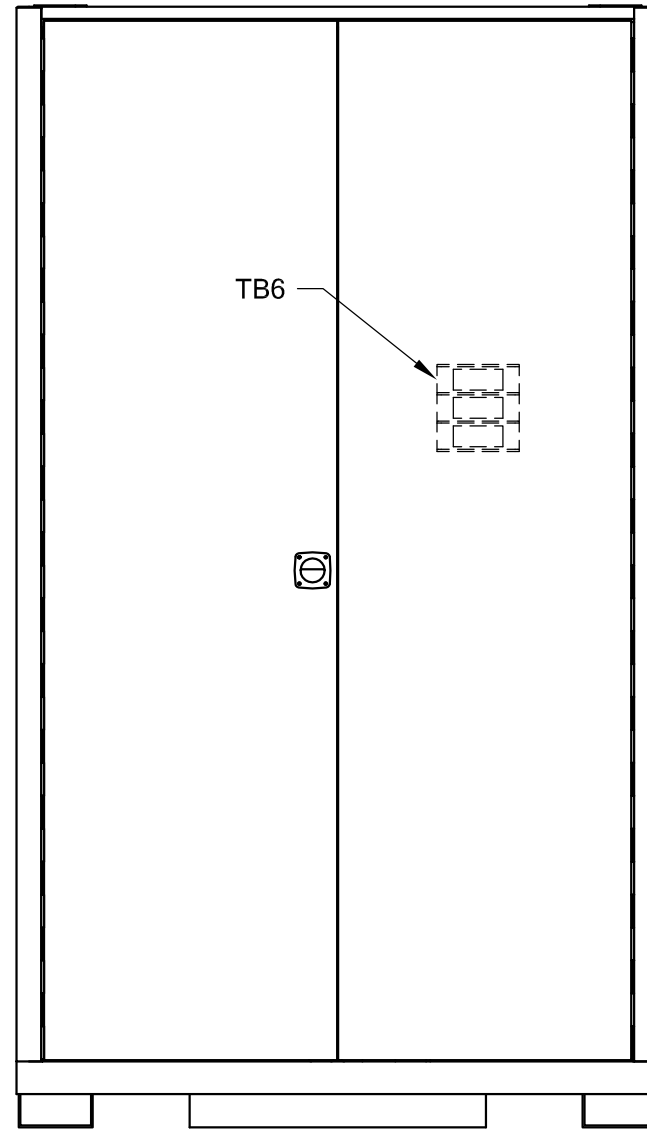
**BATTERY CABLES**

CABLE SIZE: 4 AWG  
RING LUG SIZE (BATT): 1/4"  
RING LUG SIZE (CB): 5/16"

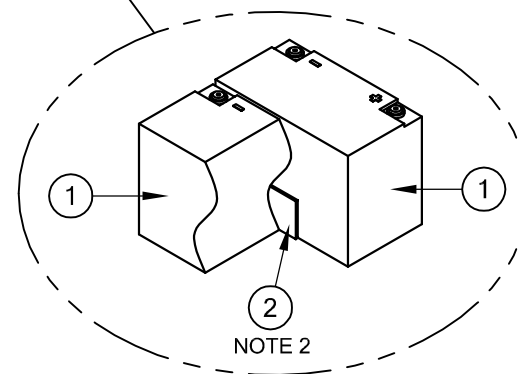
REVISION				
REV	ECO	DESCRIPTION	DATE	APPVD
A	11078	RELEASE	2/18/16	



BATTERY CABINET  
#1 AND #2



INVERTER  
CABINET



**NOTES:**

- 1) POSITION ALL BATTERIES AS SHOWN.
- 2) PLACE SPACER (ITEM 2) IN BETWEEN THE LONG SIDE OF BATTERIES.
- 3) CAREFULLY OBSERVE BATT POLARITY WHEN MAKING BATTERY CONNECTION.
- 4) ALL CONNECTIONS SHOWN IN DOTTED LINES TO BE PROVIDED BY CUSTOMER.
- 5) MAX. DC CURRENT: 150 AMPS
- 6) BATTERY STRINGS:  
STRING A = BATTERY 1A THRU 46A  
STRING B = BATTERY 1B THRU 46B
- 7) LABEL BATTERY NUMBERS AS SHOWN.
- 8) BATTERY TORQUE: 100 IN-LBS.

ITEM 3 THRU ITEM 10 ARE NOT BEING USED			
ITEM	PART NO	DESCRIPTION	QTY
2	5008-806	BATTERY SPACER	76
1	UNA12-420	BATTERY	92

**PARTS LIST**

TITLE					
BATTERY CONNECTION DIAGRAM 2 STRINGS OF 46 EACH					
CADD:	HN	2/18/16	SIZE	DWG	REV
CHKD:	HN	2/18/16	B	6005-400	A
APPVD:	H. BAIK	2/18/16	SCALE:	EST. WT:	SHT 1 OF 2