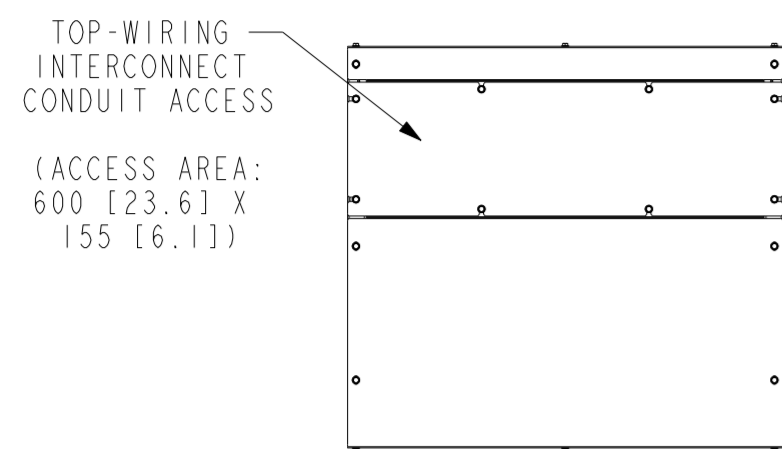
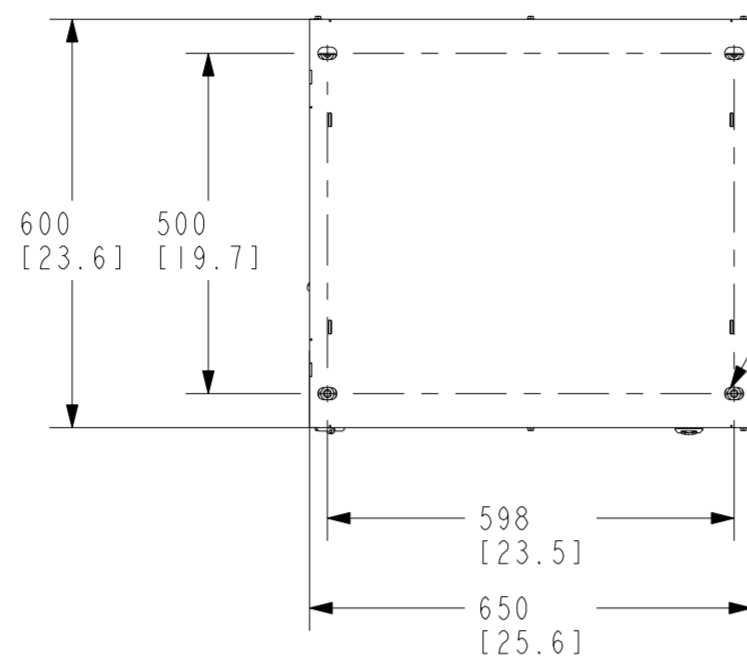


TOP VIEW  
TOP WIRING INTERCONNECT  
ASSEMBLY / BATTERY CABINET



BOTTOM VIEW  
BATTERY CABINET  
(FLOOR MOUNTING)



SECURE CABINET TO FLOOR WITH M16 OR 5/8" BOLTS (4X CORNERS) \*\* CUSTOMER SUPPLIED \*\*

WEIGHT AND CENTER OF GRAVITY (INSTALLED)				
	A	B	C	WEIGHT kg (lbs)
128S	325 [12.8]	326 [12.8]	958.9 [37.8]	482 [1063]
136S	325 [12.8] ≈	326 [12.8] ≈	958.9 [37.8] ≈	500 [1102]

PACKAGED WEIGHT: ADD 27.2 kg [60 lbs] FOR PACKAGING MATERIALS.

PACKAGED RACK DIMENSIONS

PALLET WIDTH	PALLET DEPTH	OVERALL HEIGHT
1110 [43.7]	1130 [44.5]	2190 [86.2]

PRODUCT SPECIFICATIONS

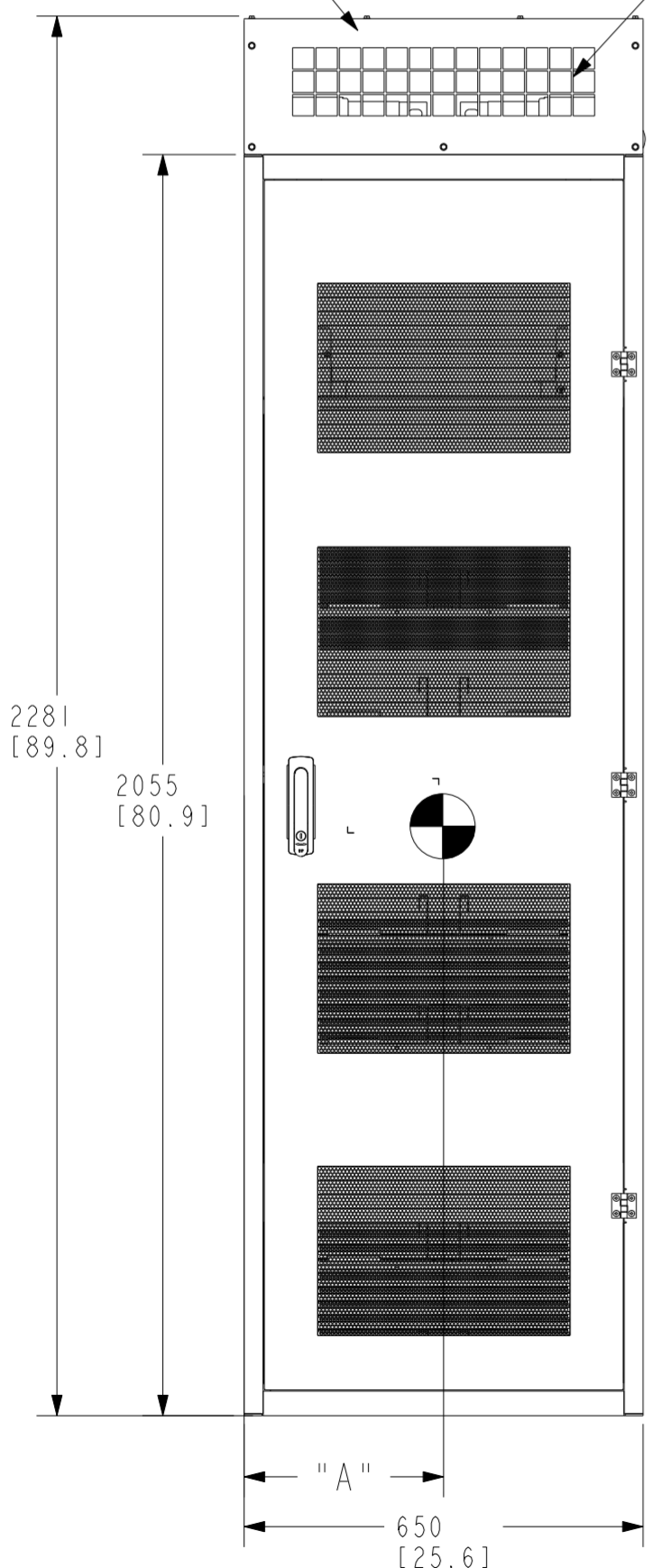
BATTERY CABINET MODEL	DC VOLTAGE OUTPUT, V (NOMINAL)	BATTERY NAMEPLATE kWh
128SIP	486.4 V	32.6 kWh
136SIP	516.8 V	34.6 kWh

TOP WIRING INTERCONNECT ASSEMBLY

128SIP	P-103003285
136SIP	P-103003512

HEAT OUTPUT: 567 BTU

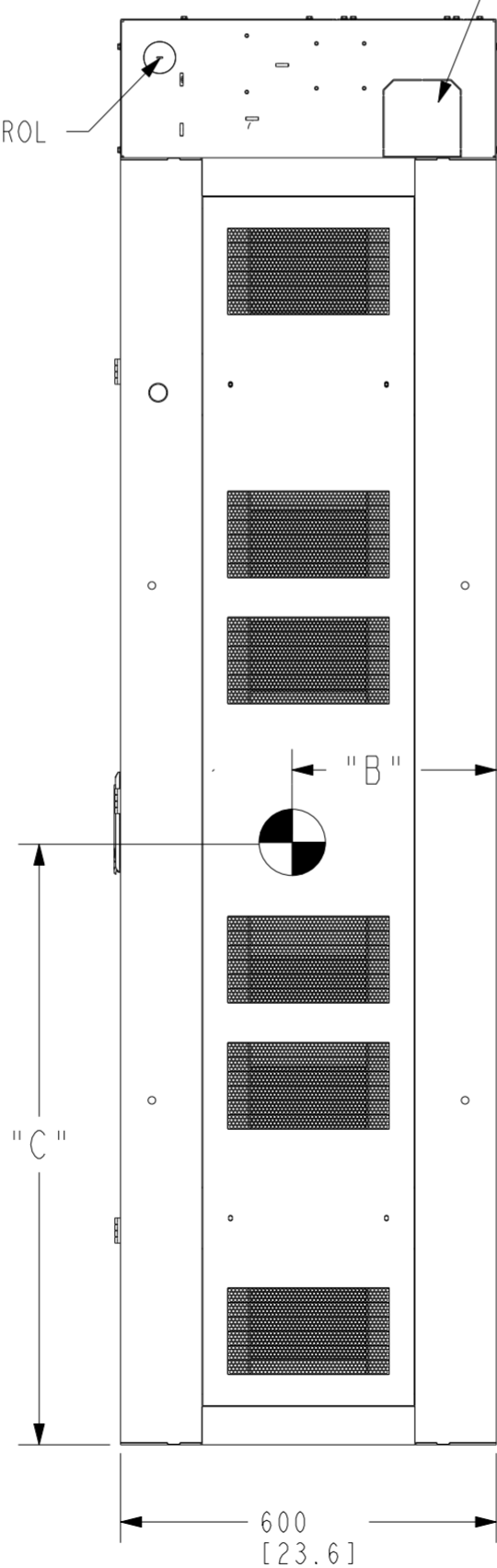
FRONT VIEW  
TOP-WIRING INTERCONNECT ASSEMBLY \* FIELD INSTALLED \*



ASSEMBLY VENTILATION

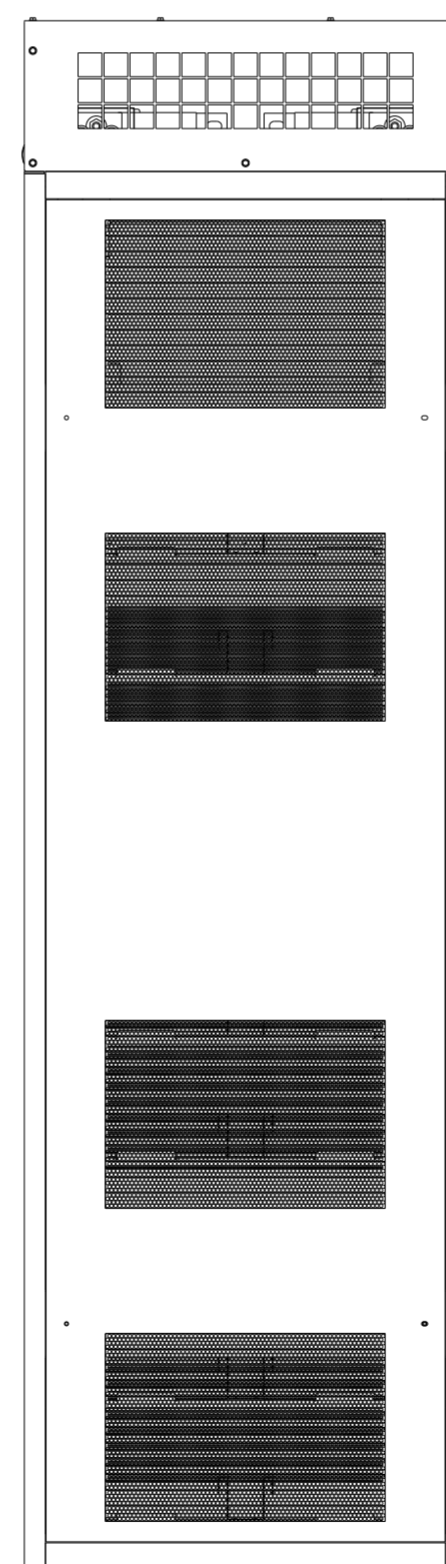
INTER-CABINET CONTROL WIRING ACCESS (BOTH SIDES)

SIDE VIEW



INTER-CABINET POWER WIRING ACCESS (BOTH SIDES)

REAR VIEW



NOTES

1. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR COMPUTER OR ELECTRONIC EQUIPMENT.
2. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
3. AMBIENT TEMPERATURE RANGE 18-28degC [64-83degF], RELATIVE HUMIDITY: 5%-95% NON-CONDENSING.
4. WEIGHT: WEIGHTS DO NOT INCLUDE CUSTOMER WIRING.
5. MINIMUM 914mm [36"] FRONT ACCESS NEEDED FOR SERVICING.
6. VENTILATION IS BY MEANS OF NATURAL CONVECTION
7. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
8. POWER HOOKUP TO UPS: POSITIVE, NEGATIVE, GROUND.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE.
10. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

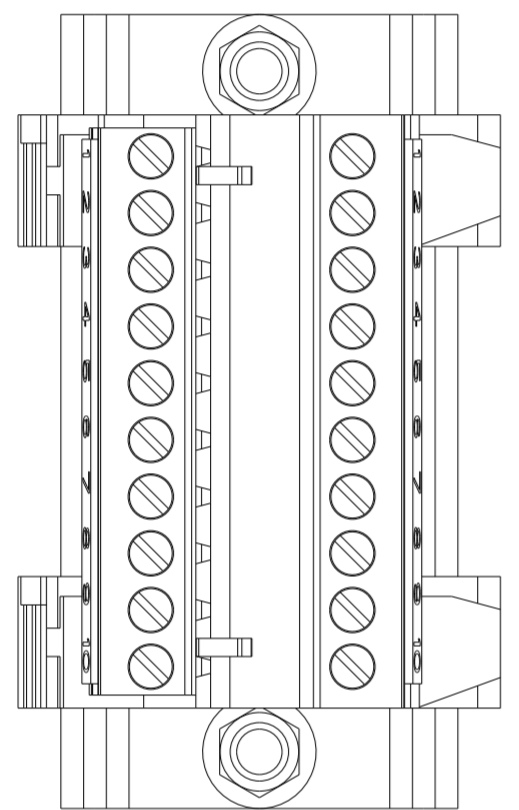
METRIC	THIRD ANGLE PROJECTION	EATON CORPORATION		<b>EATON</b>	
DIMENSIONS ARE IN MILLIMETERS AFTER PLATING. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.					
DESCRIPTION: SAMSUNG BATTERY CABINET / TOP WIRING INTERCONNECT SITE PLAN					
ORIGINATED: GOLDEN_D	04-JAN-18	ECO: ECO-163819	NAME:	REVISION: 04	SIZE: A2
MODIFIED: MULE_V	06-MAY-19			STATE: Release	SCALE: 1:20
CHECKED:		DOCUMENT TYPE:	P-110000621		SHEET: 1 OF 3
SAFETY:		PRO-E DRAWING			
APPROVED:					

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CUSTOMER SUPPLIED WIRING, TOP INTERCONNECT ASSEMBLY		
	RECOMMENDED MINIMUM WIRE SIZE FOR 75 deg C COPPER STRANDED WIRE	RECOMMENDED TORQUE
BATTERY WIRES	3/0 AWG (2X PER POLE)	519 IN-LB
GROUND WIRES	3/0 AWG	519 IN-LB
CONTROL WIRES (TB1)	18 AWG	5 IN-LB
480 VAC AUX POWER (TB2) (2 SOURCES)**	14 AWG	10 IN-LB

- \*\*NOTE:**
1. EACH TYPE S BATTERY SYSTEM REQUIRES A MINIMUM OF ONE 400-500 VAC THREE-PHASE CIRCUIT TO PROVIDE AUXILIARY POWER TO THE SYSTEM BMS.
  2. FOR 480 VAC UPS APPLICATIONS, THE BATTERY CABINET IS WIRED DIRECTLY TO A 480 VAC SOURCE.
  3. FOR 208/220 VAC UPS APPLICATIONS, THE TOP WIRING KIT INCLUDES TRANSFORMERS TO STEP UP TO 480 VAC.
  4. THESE CIRCUITS MUST BE PROVIDED FROM THE CUSTOMER'S ELECTRICAL DISTRIBUTION AND SHOULD BE PROTECTED BY A LISTED 15A DEVICE (CIRCUIT BREAKER OR FUSE), WITH A RECOMMENDED WIRE SIZE OF 14 AWG.
  5. SOURCE 1 (REQUIRED) SHALL BE PROVIDED FROM THE UPS OUTPUT DISTRIBUTION; SOURCE 2 (OPTIONAL) SHALL BE PROVIDED FROM THE UPS BYPASS INPUT.
  6. FOR PARALLEL BATTERY CABINETS, THE AC SOURCES CAN BE PROVIDED TO ONLY THE "MASTER" CABINET TOP WIRING KIT AND FROM THERE TO THE PARALLEL CABINETS USING THE SUPPLIED INTERCONNECT HARNESSING.

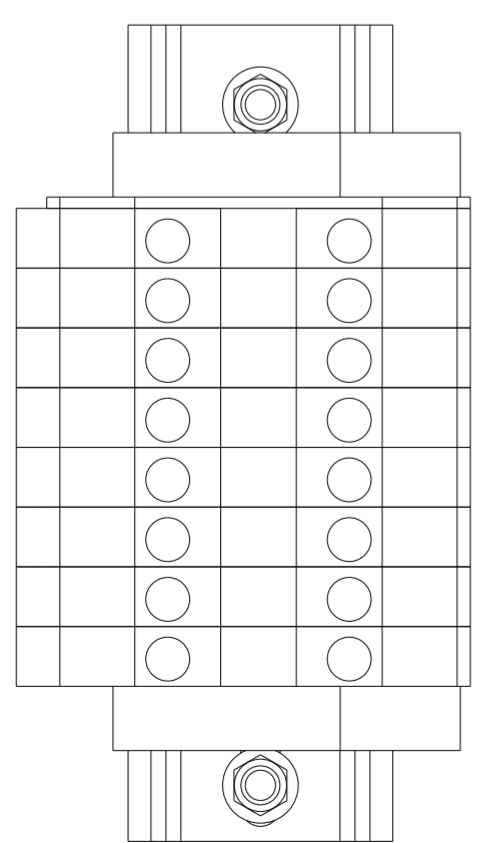
TERMINAL BLOCK (TB-1)



SCALE 3:2

CONTROL WIRING TO UPS (TB1)	
TB1-1	MCCB NORMALLY CLOSED
TB1-2	MCCB COMMON
TB1-3	MAJOR ALARM NORMALLY OPEN
TB1-4	MAJOR COMMON
TB1-5	MINOR ALARM NORMALLY OPEN
TB1-6	MINOR COMMON
TB2-7	INPUT, OPEN BREAKER, CONTACT CLOSE >3 SEC
TB1-8	GND, OPEN BREAKER, CONTACT CLOSE >3 SEC
TB1-9	NOT USED
TB1-10	NOT USED

TERMINAL BLOCK (TB-2)



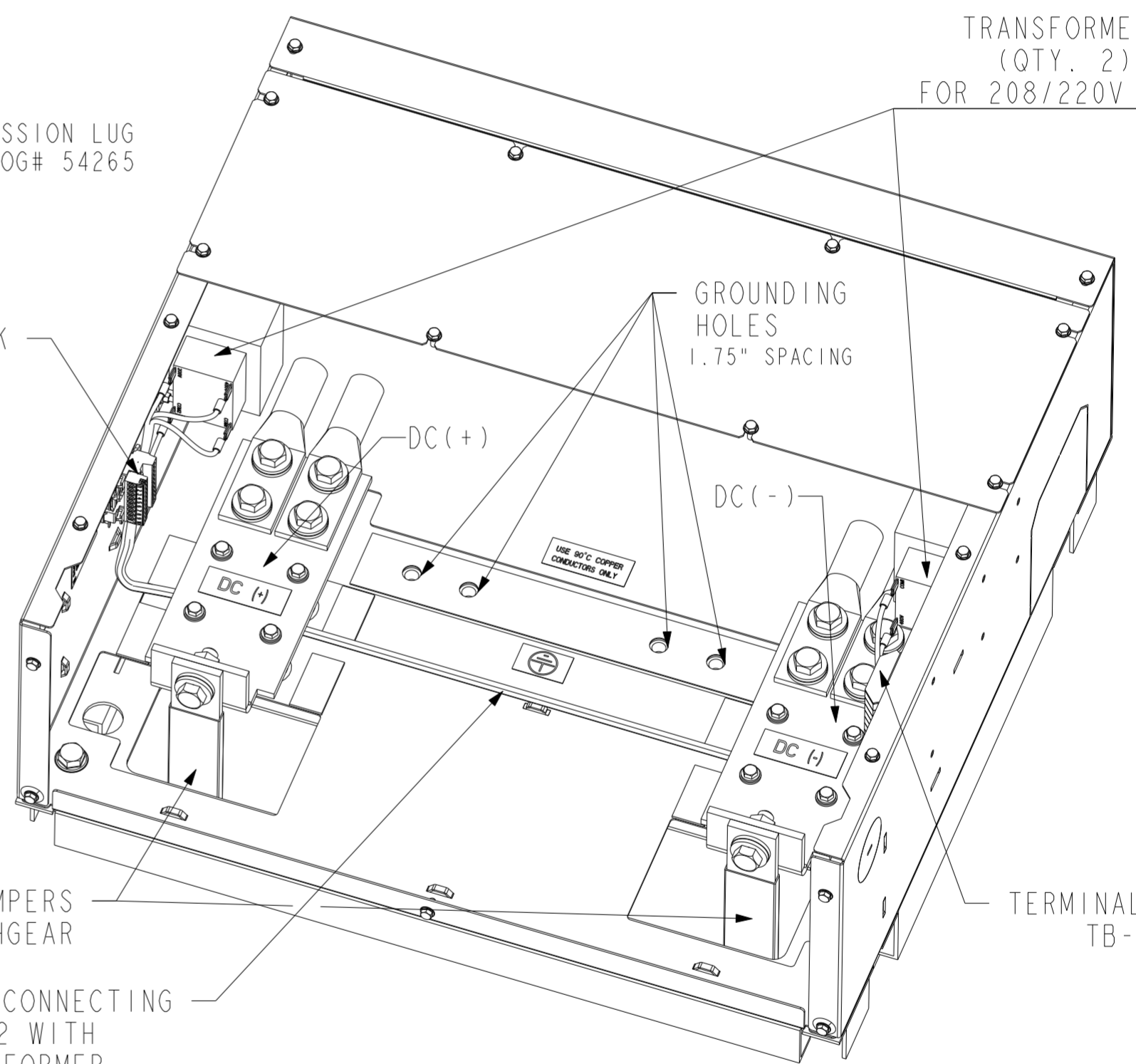
SCALE 1:1

480 VAC AUX POWER (TB2)	
TB2-1	SOURCE 1 L1
TB2-2	SOURCE 1 L2
TB2-3	SOURCE 1 L3
TB2-4	SOURCE 1 PE
TB2-5	SOURCE 2 L1
TB2-6	SOURCE 2 L2
TB2-7	SOURCE 2 L3
TB2-8	SOURCE 2 PE

\*14 AWG AC AUXILIARY POWER SHOULD BE PROTECTED BY A LISTED 15A BREAKER OR FUSE.

TOP WIRING INTERCONNECT ASSEMBLY

NOTE:  
RECOMMEND 3/0 COMPRESSION LUG  
THOMAS & BETTS CATALOG# 54265



TRANSFORMERS  
(QTY. 2)  
FOR 208/220V ONLY

TERMINAL BLOCK TB-1

DC BUS JUMPERS TO SWITCHGEAR

14 AWG HARNESS CONNECTING TB-1 & TB-2 WITH AUTO TRANSFORMER (P-152002119) (FOR 208/220V ONLY)

GROUNDING HOLES  
1.75" SPACING

FRONT

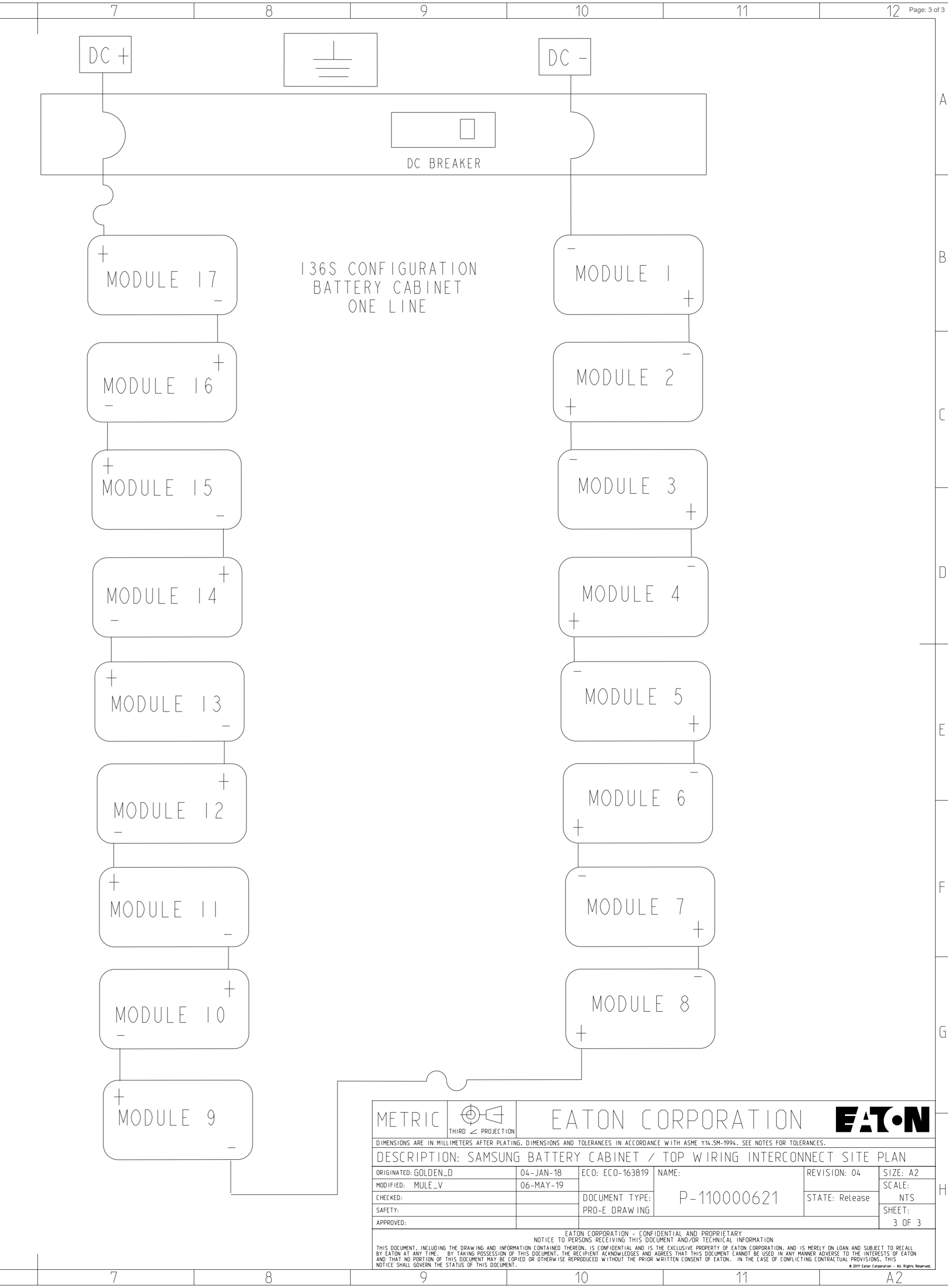
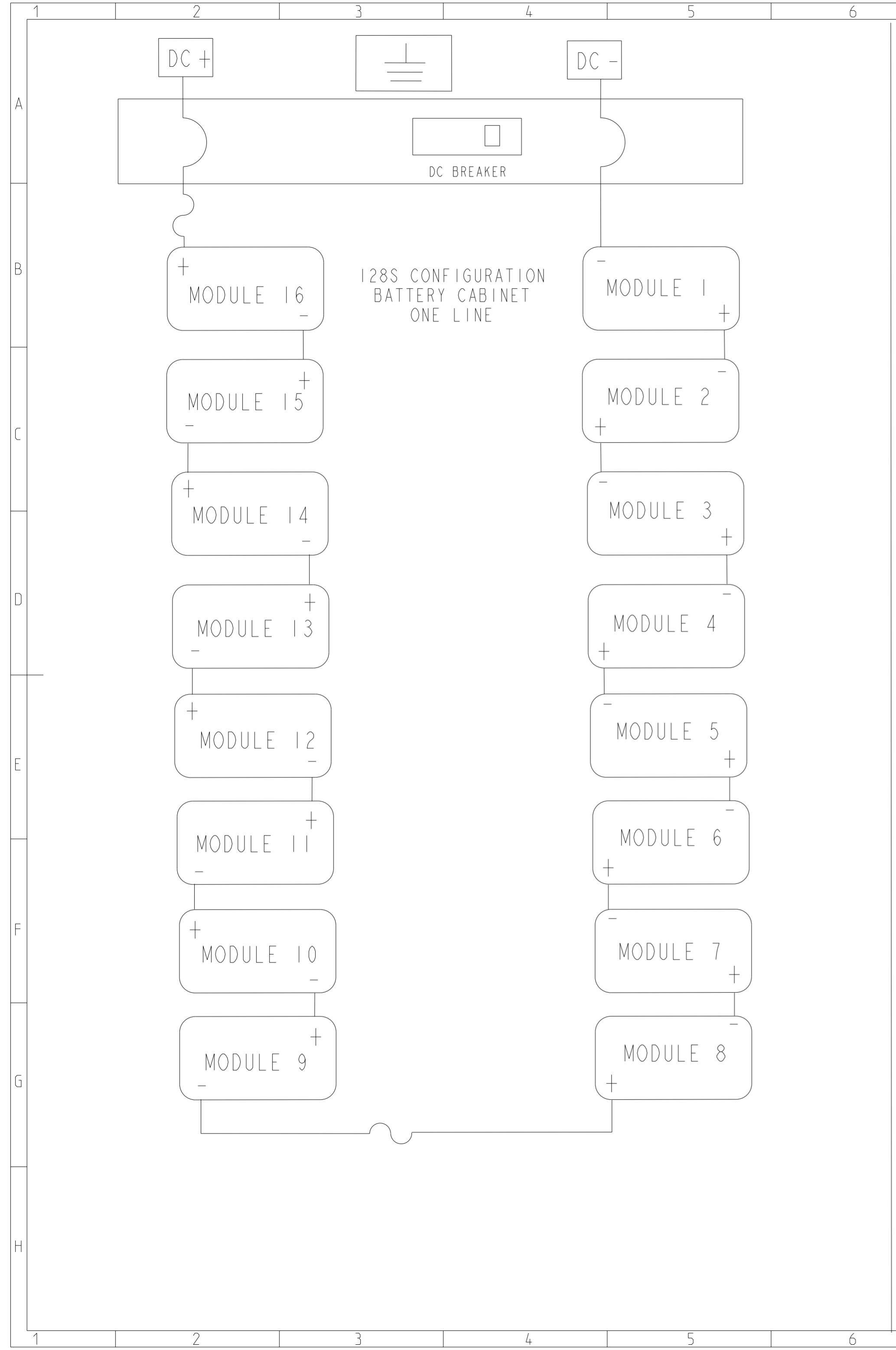
SCALE 1:4

\*\*COVER AND BUS BAR INSULATORS REMOVED FOR CLARITY\*\*

TOP WIRING INTERFACE BOX ASSEMBLY	
480 VAC UPS APPLICATIONS	P-103003275
208/220 VAC UPS APPLICATIONS	P-103003630

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SAFETY:		PRO-E DRAWING			3 OF 3		
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