

WEIGHT AND CENTER OF GRAVITY	DIMENSIONS MM (IN)			MAX. INSTALLED WEIGHT kg [lbs]
	A	B	C	
300kVA / kW UPS	1085 [42.7]	360 [14.2]	914 [36.0]	1447 [3184]
600 kVA /kW UPS	1085 [42.7]	360 [14.2]	914 [36.0]	1447 [3184]

UPS RATING		AC INPUT VOLTAGE	AC OUTPUT VOLTAGE	AC INPUT CURRENT	AC BYPASS CURRENT (NOT ON IOM)	AC OUTPUT CURRENT	MAX HEAT DISSIPATION AT 100% LOAD	DC INPUT VOLTAGE	DC INPUT CURRENT
KVA	KW	V	V	AMP	AMP	AMP	KW [kBTU/HR]	V	AMP
225	225	480	480	334	271	271	7.9 [27.04]	480	493
250	250			371	301	301	9.3 [31.88]		548
275	275			408	331	331	10.6 [36.08]		603
300	300			445	361	361	11.5 [39.36]		658
450	450			668	541	541	15.8 [54.09]		987
500	500			742	601	601	18.7 [63.77]		1096
550	550			817	662	662	21.1 [72.16]		1206
600	600			891	722	722	23.1 [78.73]		1316

WIRES	ACCEPTED WIRE RANGE	TORQUE RATING N*M [LB.FT]	RECOMMENDED WIRE SIZE FOR 90 DEG C COPPER STRANDED WIRE			
			300kVA/300kW (N+1)		600kVA/600kW	
			WIRE	CONDUIT	WIRE	CONDUIT
INPUT PHASE WIRES (PER PHASE)	COMPRESSION TERMINAL (TWO HOLE, M12, 44.5MM CENTERS)	76 [56]	(3) 2/0 AWG	(3) 2 in	(4) 350 MCM	(4) 2.5 in
BYPASS PHASE WIRES (PER PHASE)	COMPRESSION TERMINAL (TWO HOLE, M12, 44.5MM CENTERS)	76 [56]	(3) 2/0 AWG	(3) 2 in	(3) 350 MCM	(3) 2.5 in
OUTPUT PHASE WIRES (PER PHASE)	COMPRESSION TERMINAL (TWO HOLE, M12, 44.5MM CENTERS)	76 [56]	(3) 2/0 AWG	(3) 2 in	(3) 350 MCM	(3) 2.5 in
DC INPUT FROM BATTERY (PER POLE)	COMPRESSION TERMINAL (TWO HOLE, M12, 44.5MM CENTERS)	76 [56]	(3) 500 MCM	(1) 4 in	(6) 500 MCM	(2) 4 in
GROUND WIRES INPUT BYPASS AND OUTPUT	COMPRESSION TERMINAL (TWO HOLE, M12, 44.5MM CENTERS)	76 [56]	(3) 2 AWG (6) 3 AWG		(4) 2/0 AWG (6) 1/0 AWG	
GROUND WIRES (BATTERY)	COMPRESSION TERMINAL (TWO HOLE, M12, 44.5MM CENTERS)	76 [56]	(1) 1/0 AWG		(2) 4/0 AWG	
CONTROL WIRE	14-22 AWG	0.56-0.79 [5-7 LB.IN]				

PRODUCT PROTECTION		
9395P	BYPASS FUSE	CB1 (OPTIONAL)
300	BUSSMANN 170M4467	EATON LGC360033W
600	BUSSMANN 170M6417	EATON NGC312033M

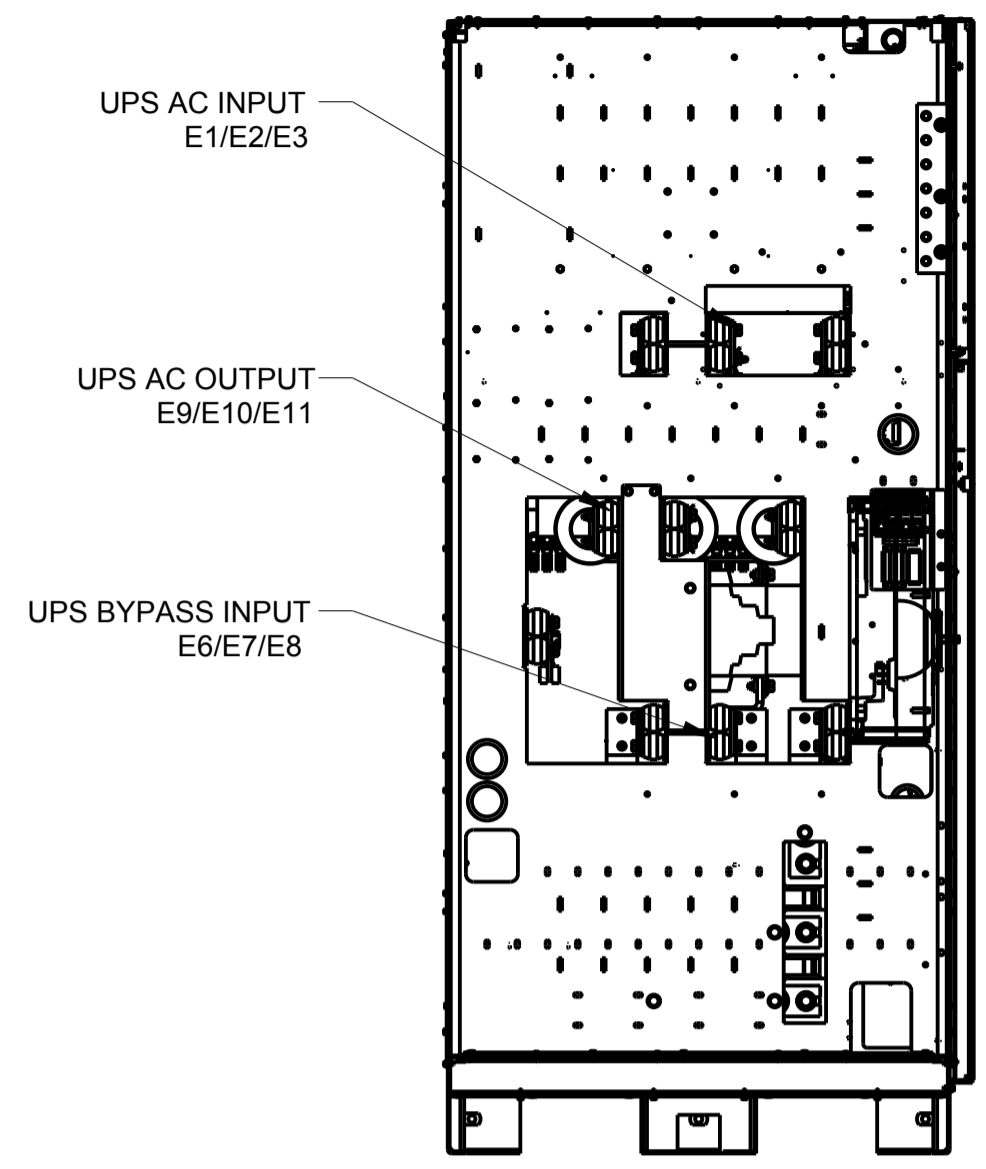
- NOTES:
- MUST BE INSTALLED ON A LEVEL SURFACE SUITABLE FOR ELECTRONIC EQUIPMENT.
  - UPS INCLUDES REMOVABLE TOP AND BOTTOM CONDUIT LANDING PLATES FOR POWER WIRE ENTRY.
  - CONTROL WIRE ENTRY THROUGH REMOVABLE CONDUIT LANDING PLATES.
  - THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
  - AMBIENT TEMPERATURE:  
ALL RATINGS EXCEPT 300kW AND 600kW: 0 TO 40° C AT ELEVATION UP TO 1000M WITHOUT DERATING  
FOR 300kW AND 600kW: 0 TO 35° C AT ELEVATION UP TO 1000M WITHOUT DERATING.  
STORAGE TEMPERATURE -25 TO +60° C.  
RELATIVE HUMIDITY (OPERATING AND STORAGE) 5% TO 95% MAX.  
WITH NO CONDENSATION BASED ON THE ASHRAE STANDARD 90.1-2013.
  - CLEARANCES:  
FROM FRONT OF THE CABINETS: 1067mm [42.0"] WORKING SPACE.  
FROM TOP OF THE CABINETS: 457mm [18.0"] MINIMUM.  
FROM BACK OF THE CABINETS: NONE REQUIRED.  
FROM RIGHT SIDE OF THE CABINETS: NONE REQUIRED.  
FROM LEFT SIDE OF THE CABINETS: NONE REQUIRED.
  - MINIMUM REQUIRED AIR FLOW FOR UPS AT FULL LOAD IS 5000 CFM.
  - ALL WIRING IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
  - WEIGHT OF THE CABINET DOES NOT INCLUDE CUSTOMER WIRING.
  - AC INPUT TO UPS RECTIFIER: 3 PHASES, GROUND.
  - AC INPUT TO UPS BYPASS: 3 PHASES, GROUND (NOT ON IOM VERSION).
  - DC INPUT TO UPS (EXTERNAL BATTERY ONLY): POSITIVE, NEGATIVE, GROUND.
  - AC OUTPUT TO LOAD: 3 PHASES, GROUND.
  - SPECIFICATIONS ARE SUBJECT TO CHANGE.

METRIC		EATON CORPORATION		EATON	
DIMENSIONS ARE IN MILLIMETERS AFTER PLATING. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.					
DESCRIPTION: 9395 HIGH PERFORMANCE 300+1 FACTORY/600 UPS SITE PLAN					
ORIGINATED: A. CHAVAN	17-MAR-2016	ECCO: ECO-139199	NAME:	REVISION: 02	SIZE: A1
MODIFIED: C. CHETAN	22-MAY-2018				SCALE:
CHECKED: N/A		DOCUMENT TYPE	P-110000488	STATE: RELEASE	1:10
SAFETY: N/A		PRO-E DRAWING			SHEET:
APPROVED: N/A					1 OF 2

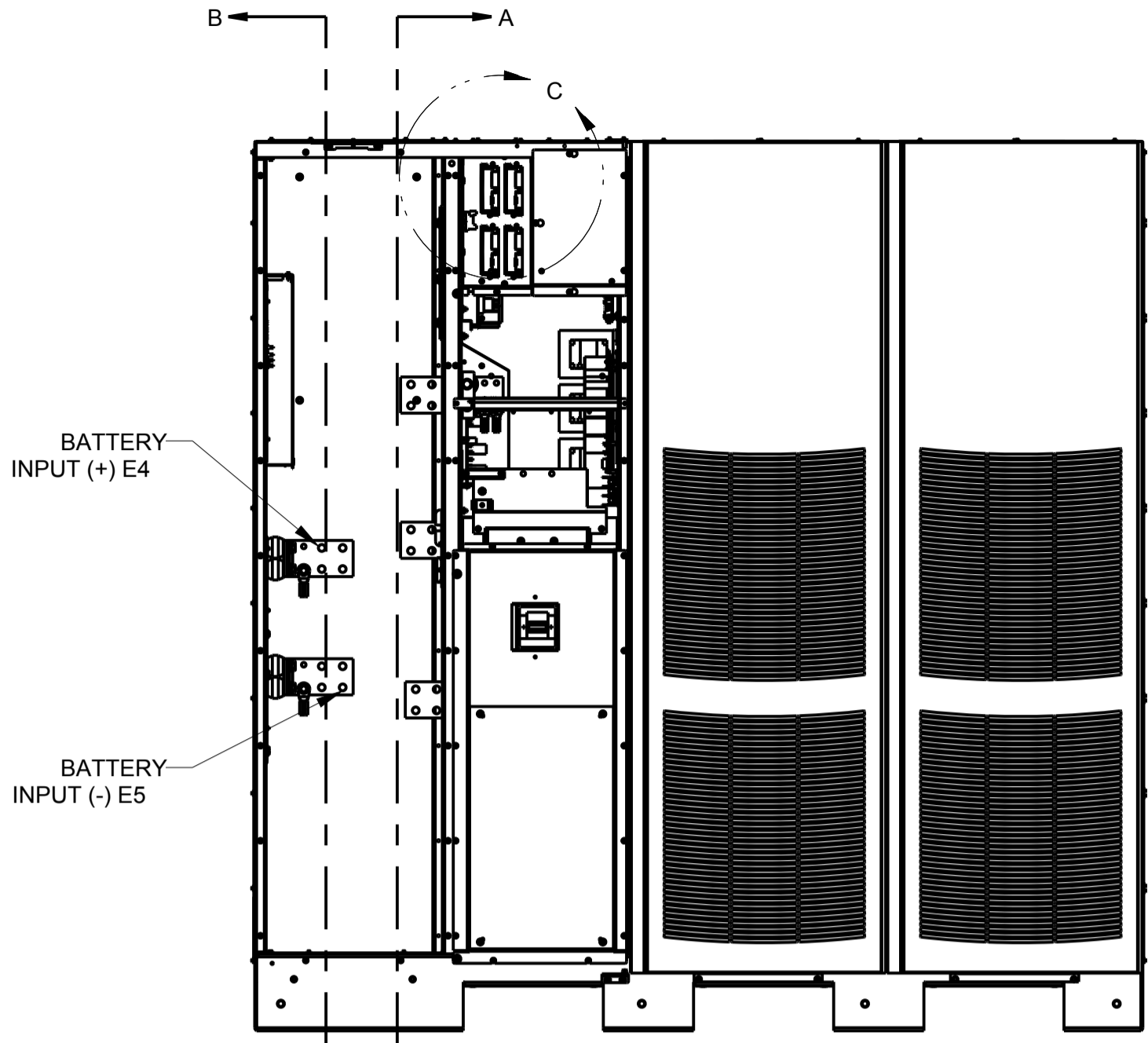
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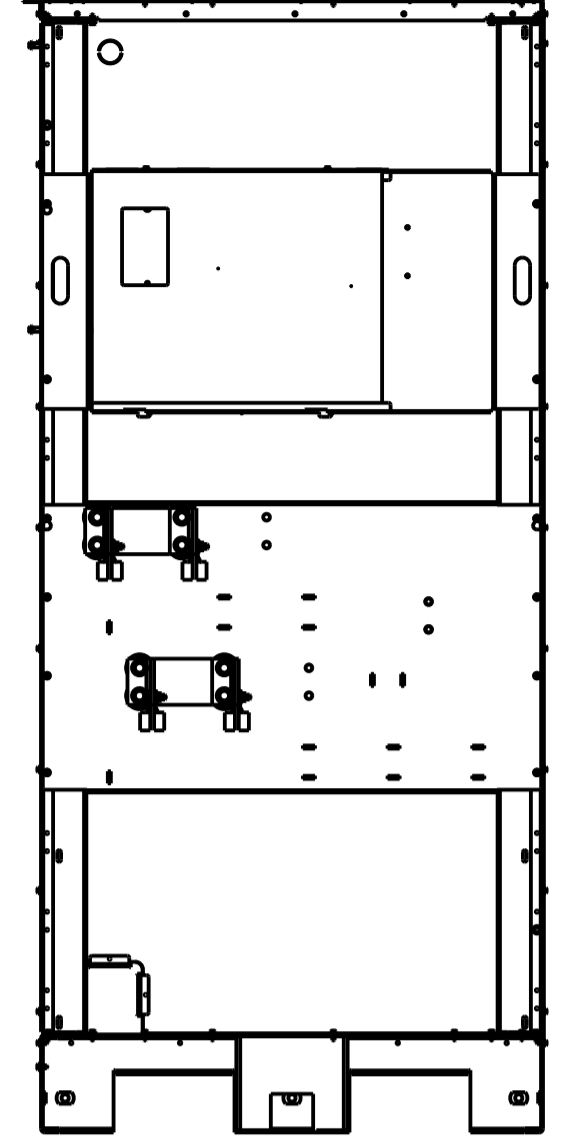
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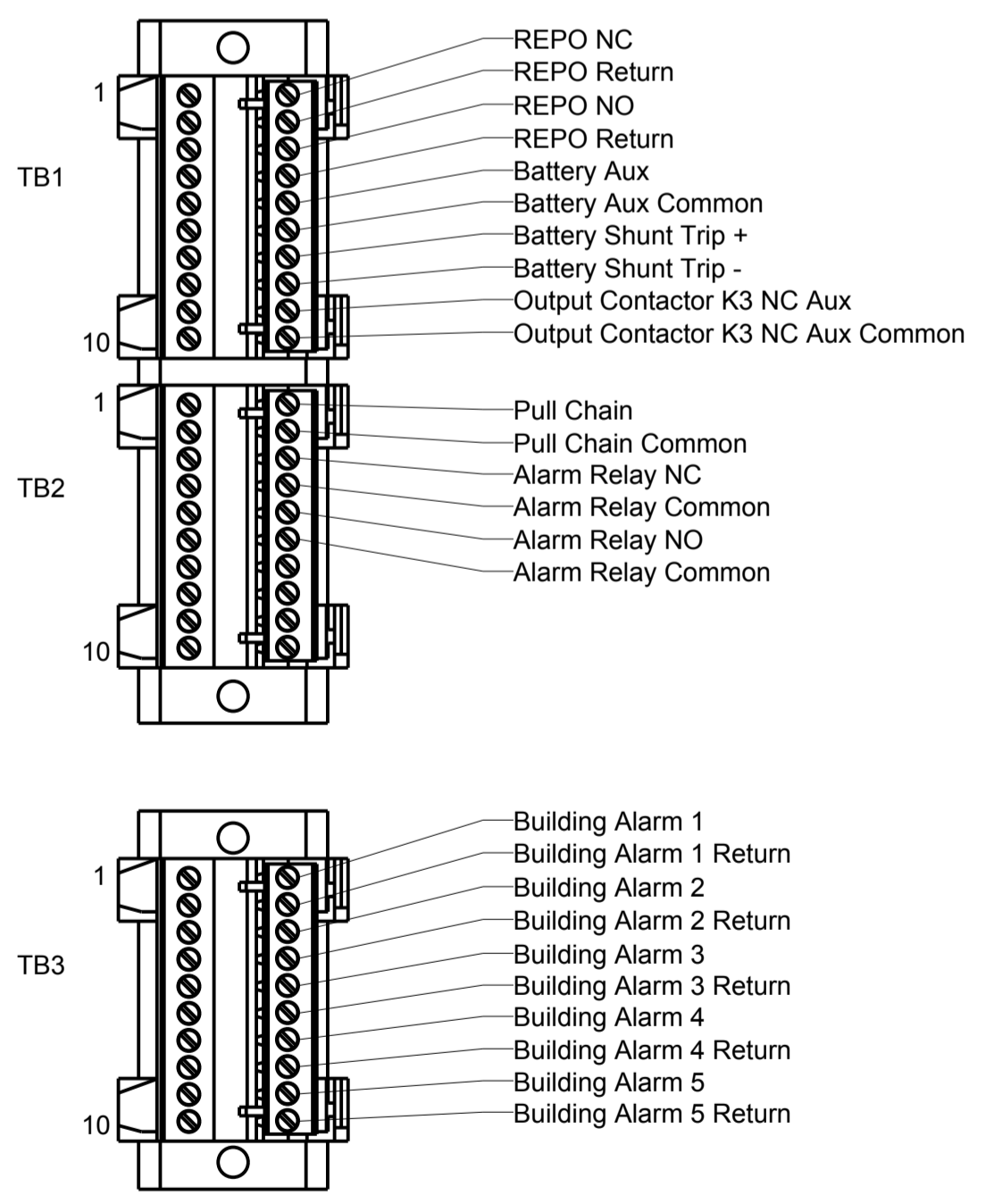
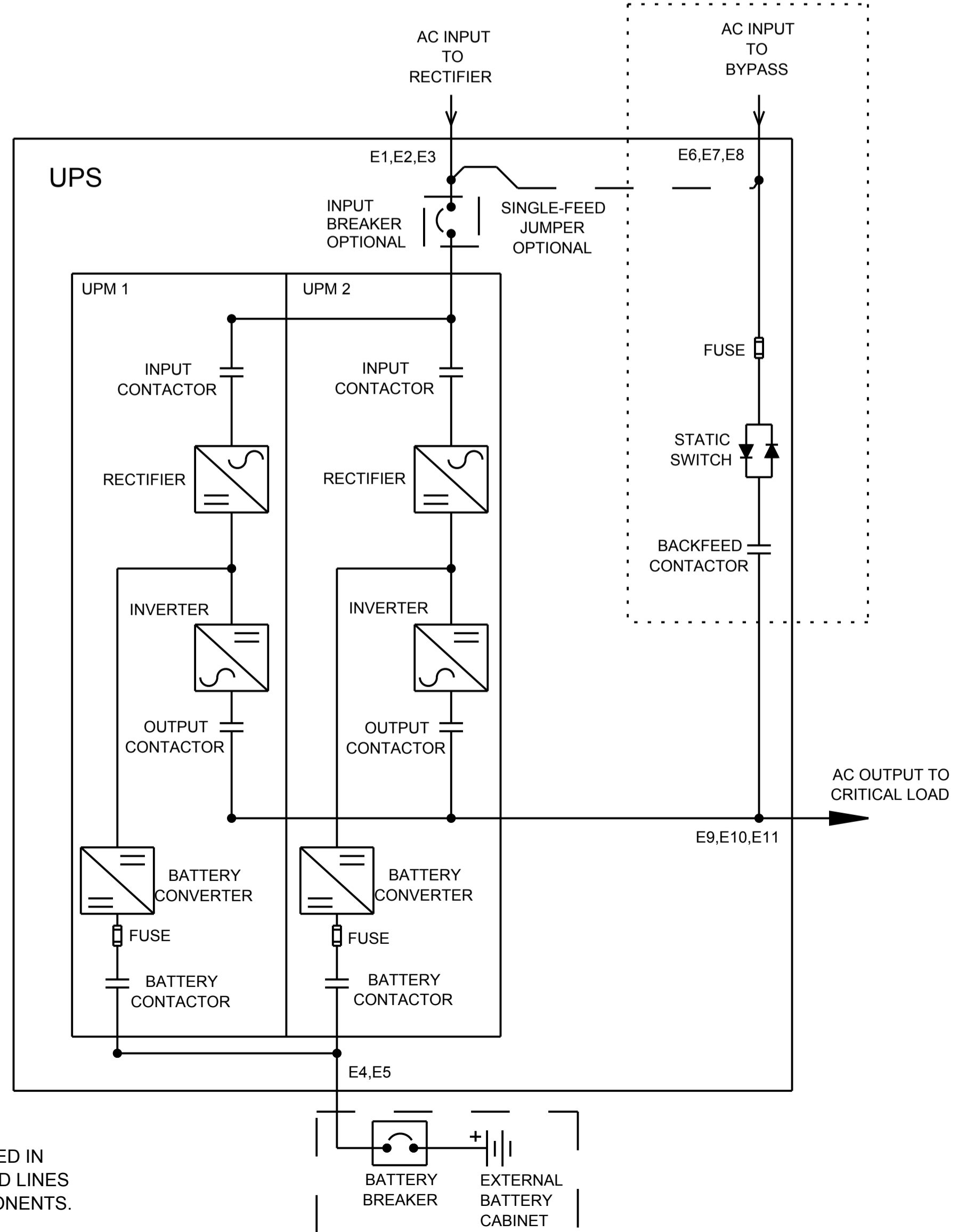
SECTION A-A



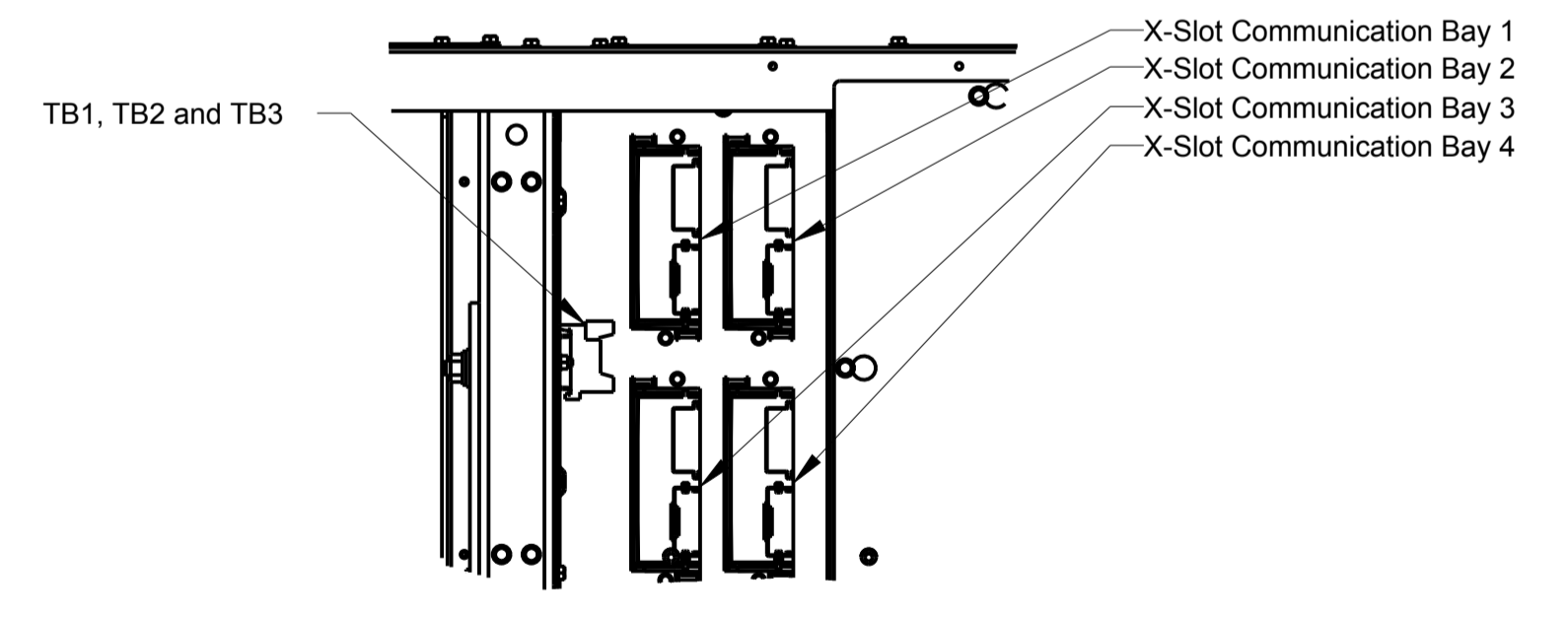
FRONT VIEW  
CUSTOMER WIRING AREA EXPOSED



SECTION B-B



TERMINAL BLOCK  
CONNECTOR ASSIGNMENTS  
SCALE 4:5



DETAIL C  
SCALE 1:4

NOTE: AC INPUT TO RECTIFIER IS NOT USED IN SINGLE FEED CONFIGURATION. DASHED LINES INDICATE OPTIONAL FEATURES/COMPONENTS.

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APPROVED: N/A					

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