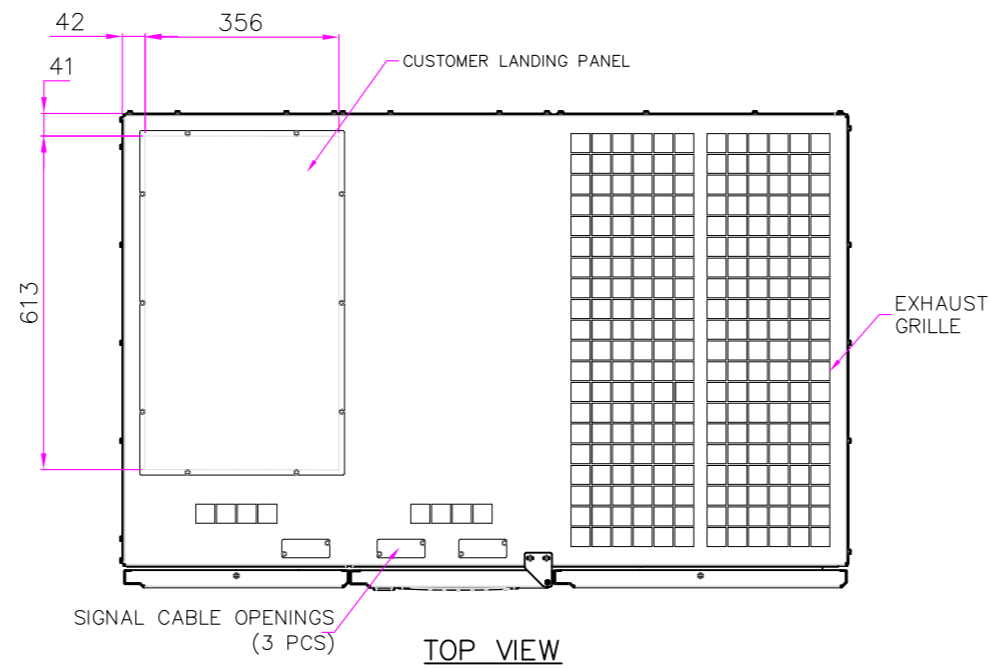




SITE PLANNING DATA Power Xpert 9395P 250 - 300 kVA UPS

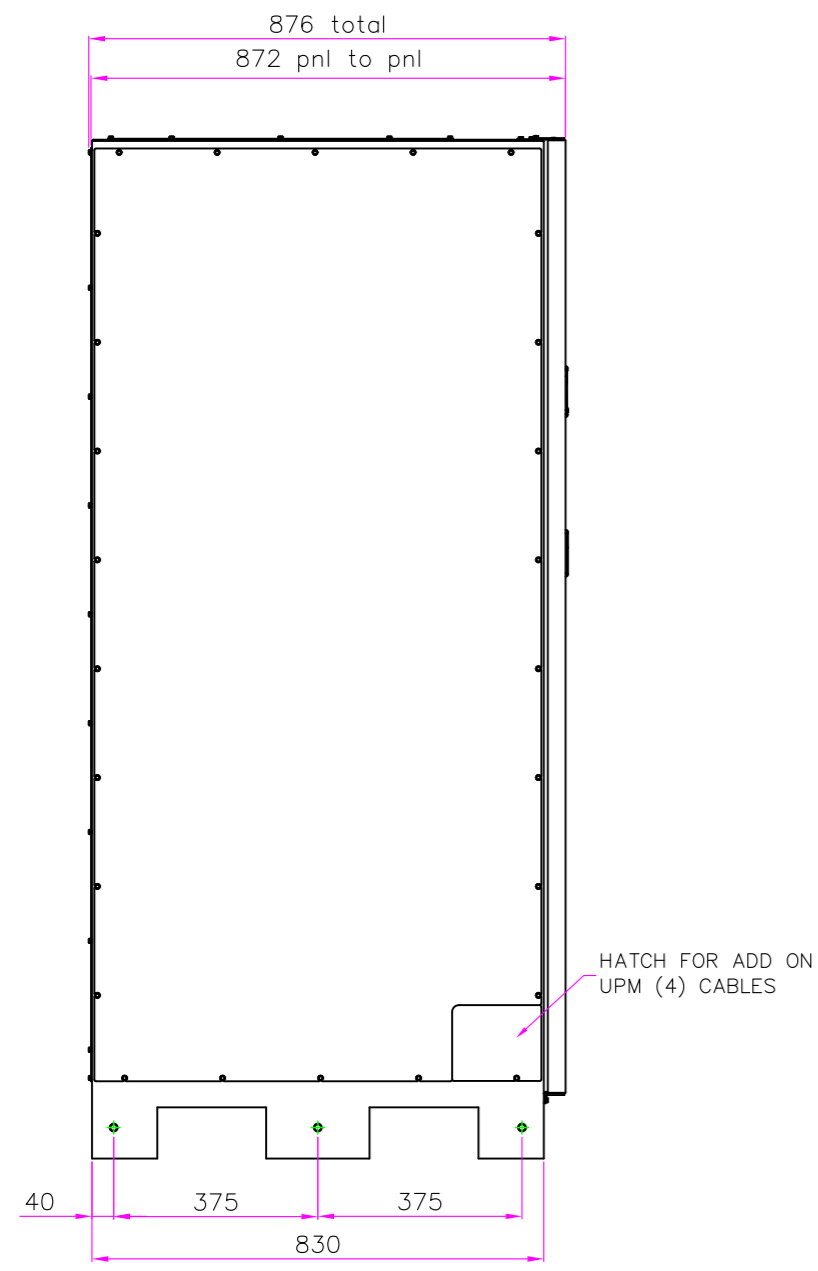
Page 1	Dimensional Drawings
Page 2	Customer Connections
Page 3	Isometric View of Customer Connections
Page 4	Electrical Wiring of single unit
Page 5	Electrical & Signal Wiring of Parallel Units
Page 6	Product Specifications

METRIC		THIRD ANGLE PROJECTION		EATON CORPORATION			
<small>DIMENSIONS ARE IN MILLIMETERS AFTER PLATING, DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.</small>							
DESCRIPTION: Power Xpert 9395P 250-300 kVA UPS							
ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:	REVISION: 003	SIZE: A2		
MODIFIED: MERON GEMEDA	14.06.2018	DOCUMENT TYPE: AUTOCAD DRAWING	P-110000417		SCALE: N/A		
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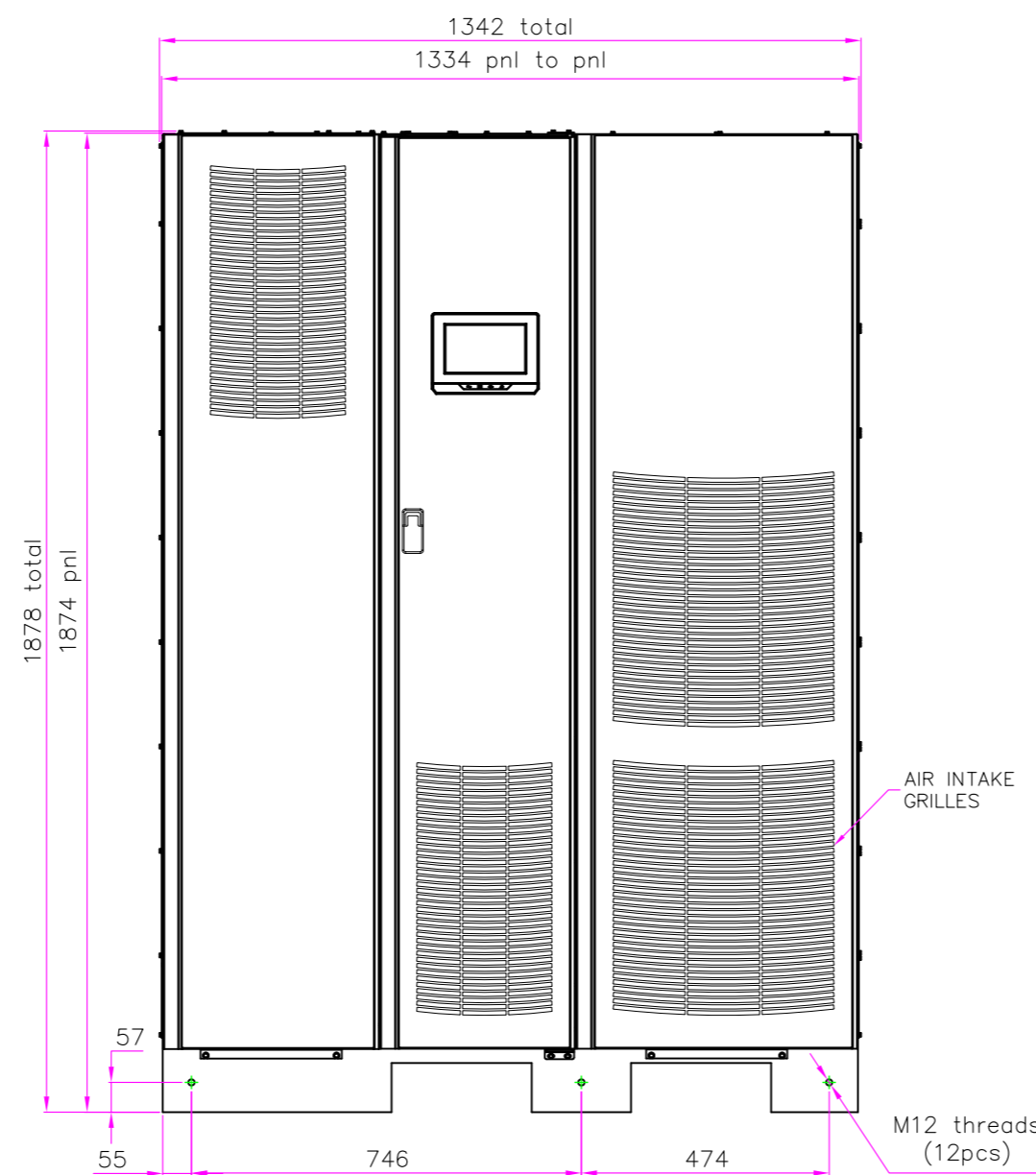


TOP VIEW

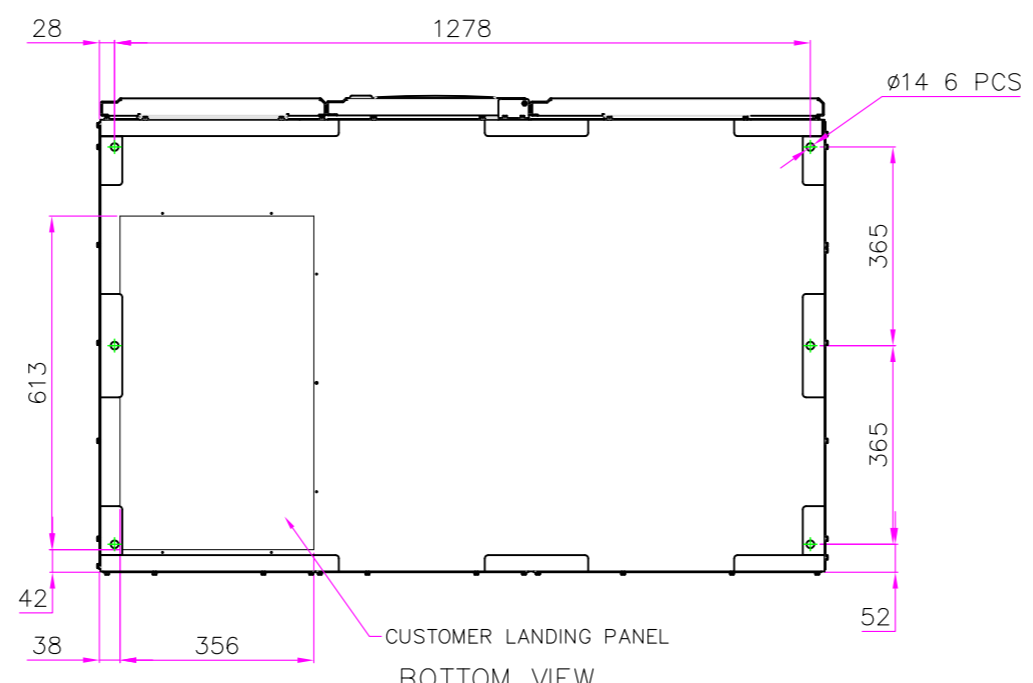
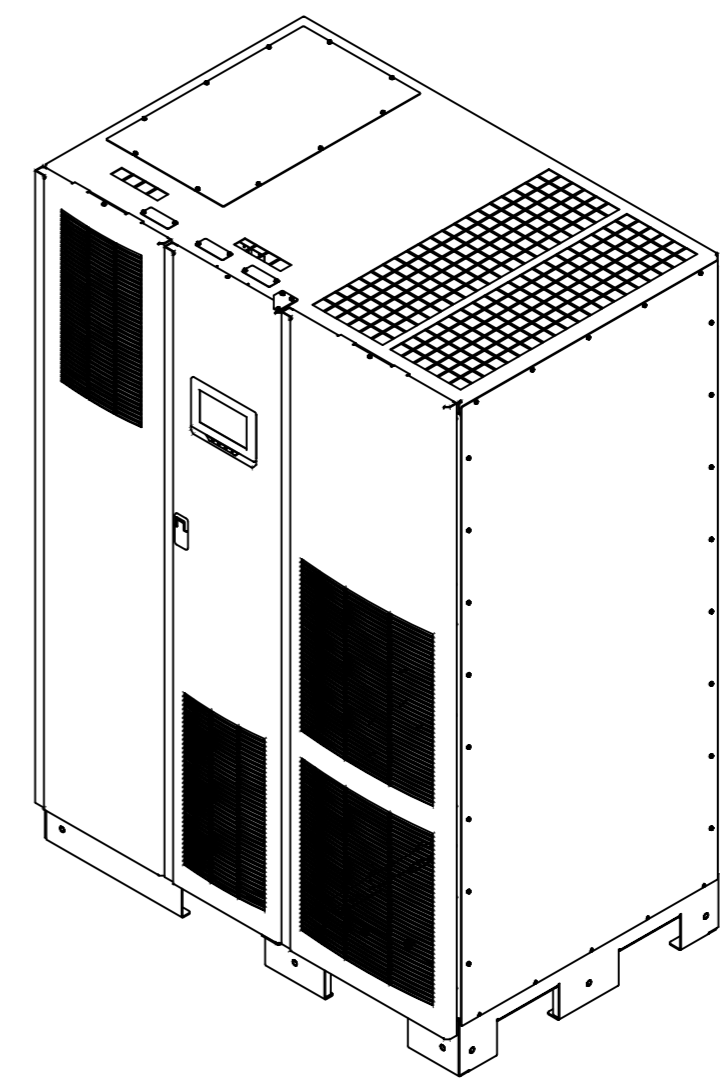
Product Specifications						
UPS Rating		Max Heat Dissipation at 100% Load	Dimensions WXD _X H	Approx. Weight Unpacked	Floor Landing	Cooling Air
KVA	KW	KW	MM	Kg	Kg/m ²	L/S
250	250	11.2	1342X875X1878	830	752	985
300	275	12.7	1342X875X1878	830	752	985
300	300	14.8	1342X875X1878	830	752	985



LEFT VIEW



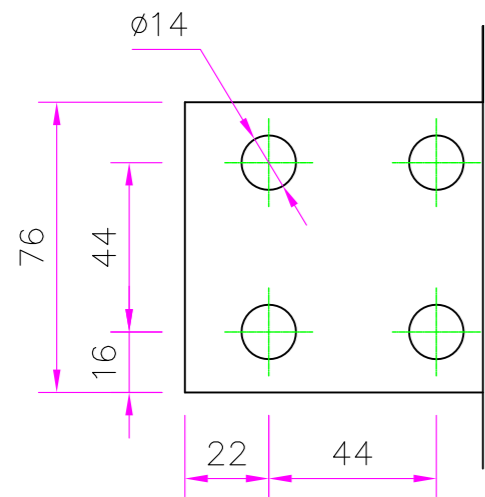
FRONT VIEW



BOTTOM VIEW

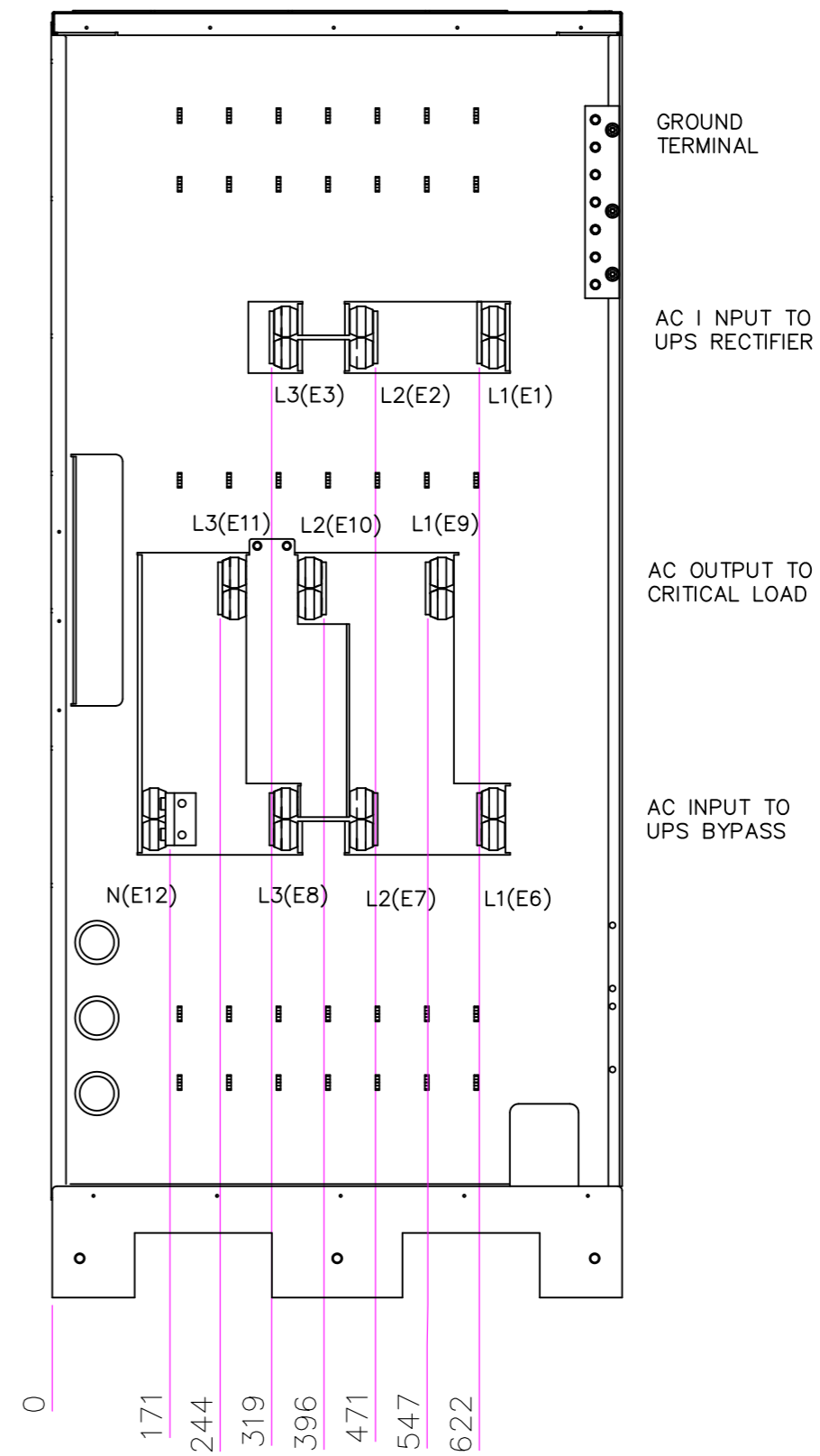
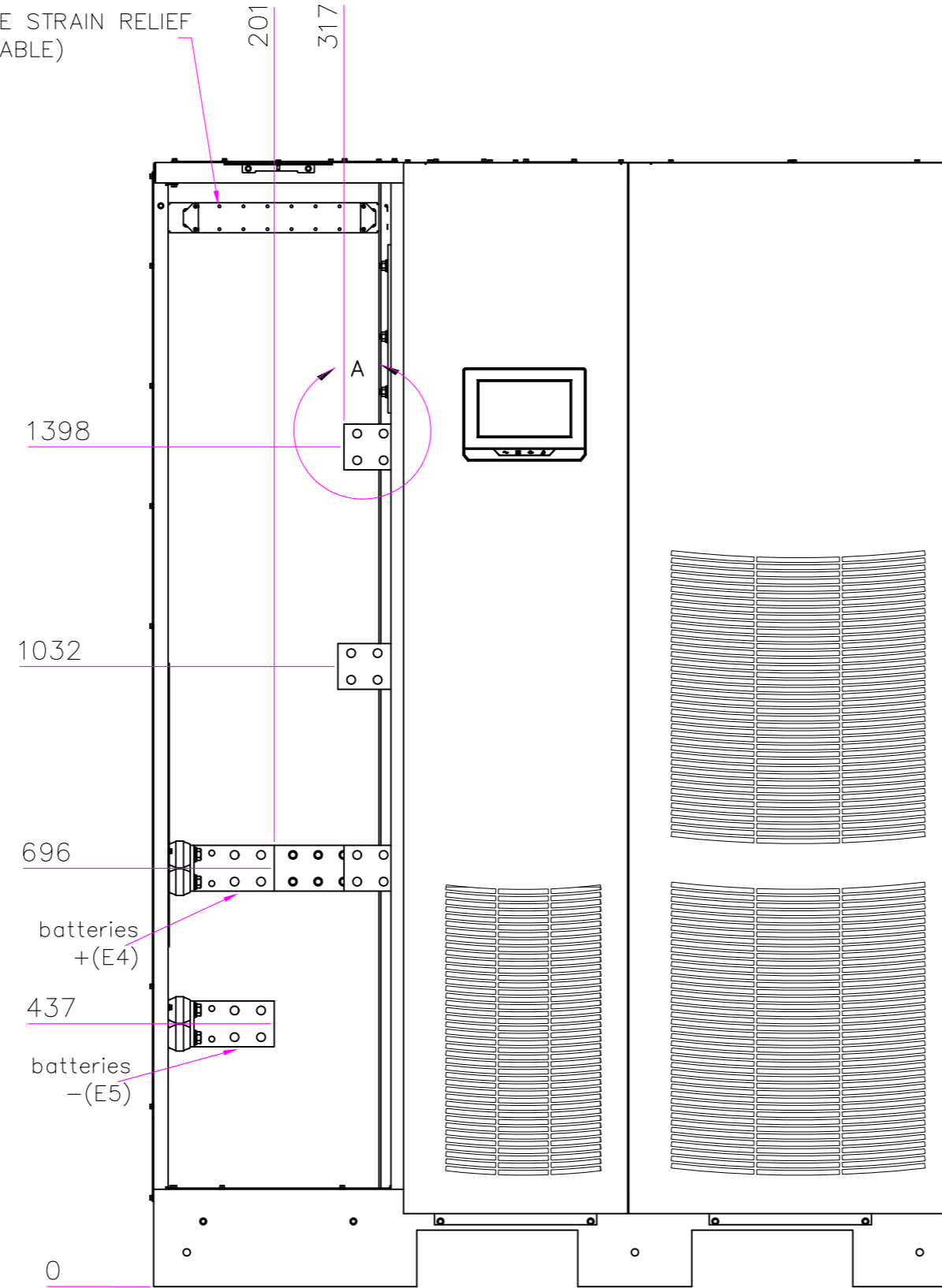
- Notes:
1. The system must be installed in a temperature and humidity controlled indoor area free of conductive contaminants.
 2. Continuous ambient temperature range: 0–40°C (32–104F) for 250 kVA/kW and 300 kVA/275 kW; Maximum relative humidity: 95% non-condensing.
 3. Continuous ambient temperature range: 0–35°C (32–95F) for 300 kVA/kW; Maximum relative humidity: 95% non-condensing.
 4. Minimum overhead clearance for ventilation above the UPS cabinet is 457mm (18in.).
 5. Minimum 915mm (36in.) clearance is required in front of the UPS cabinet for cooling air intake and servicing space.
 6. Top and bottom cable entries through removable access plates are standard for all configurations. Access plates shall be custom-modified to suit conduit sizes.

METRIC	THIRD ANGLE PROJECTION	EATON CORPORATION		EATON	
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DESCRIPTION: Power Xpert 9395P 250–300 kVA UPS Dimensional Drawings					
ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:	REVISION: 003	SIZE: A2
MODIFIED: MERON GEMEDA	14.06.2018	DOCUMENT TYPE:	P-110000417		SCALE: 1:14
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Detail View A
Scale 2:1

CABLE STRAIN RELIEF
(MOVABLE)



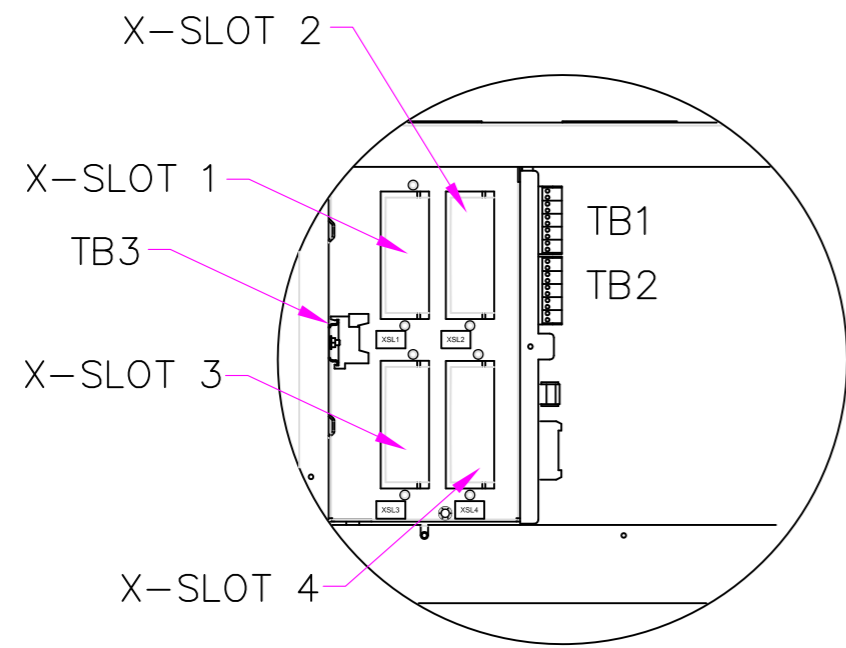
Note:

- The Bus Bars are Tin coated and suitable for both Cu and Al connections.

METRIC		THIRD ANGLE PROJECTION		EATON CORPORATION		EATON	
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DESCRIPTION: Power Xpert 9395P 250-300 kVA UPS Customer Connections							
ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:	REVISION: 003	SIZE: A2	SCALE: 1:10	
MODIFIED: MERON GEMEDA		DOCUMENT TYPE: AUTOCAD DRAWING	P-110000417		STATE: RELEASED	SHEET: 2 OF 6	
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BEHIND COVERS



AC INPUT

- L1(E3)
- L2(E2)
- L3(E1)

UPS OUTPUT

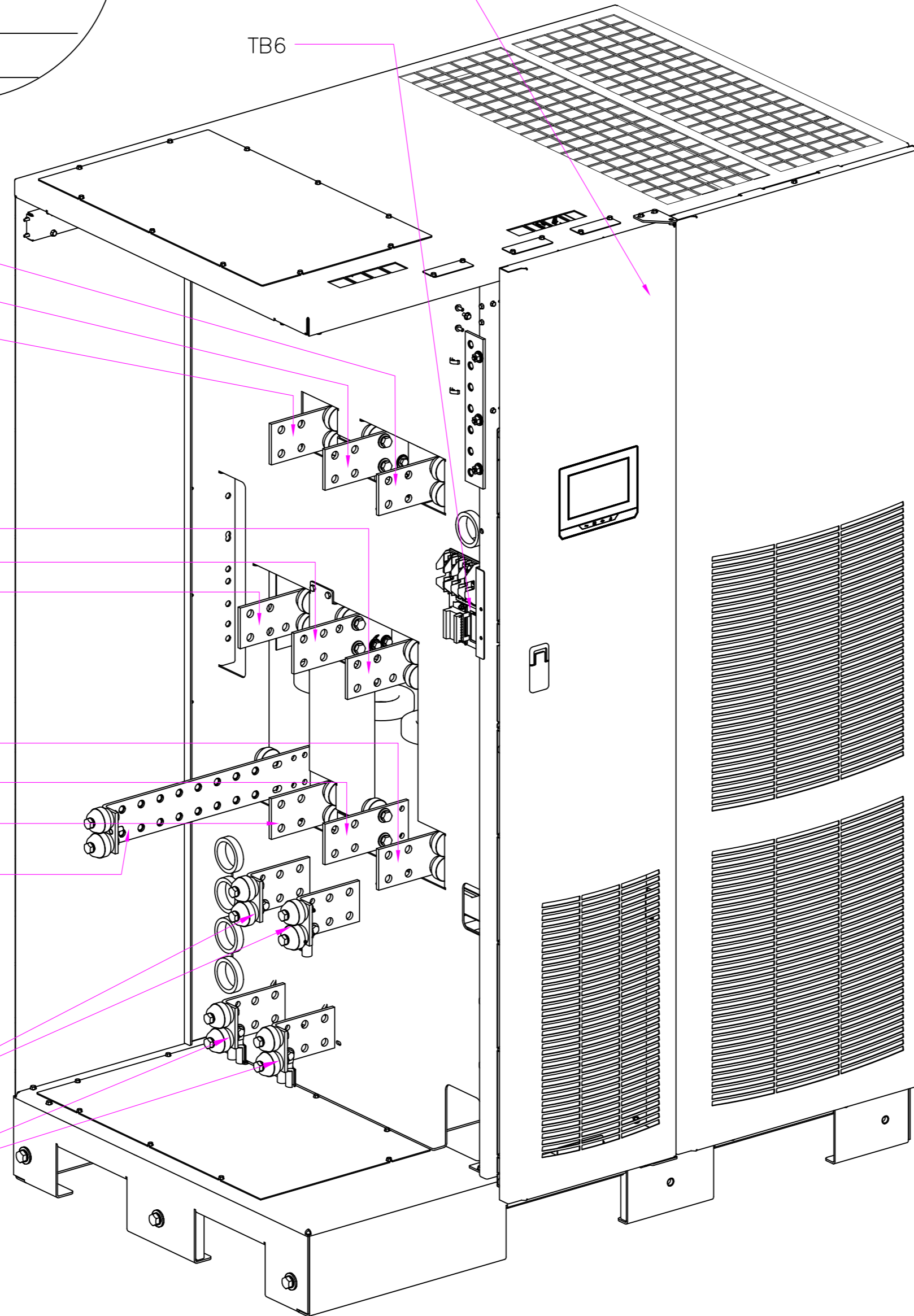
- L1(E11)
- L2(E10)
- L3(E9)

BYPASS INPUT

- L1(E8)
- L2(E7)
- L3(E6)
- N(E12)

BATTERY CONNECTIONS

- +(E4)
- (E5)



- TB1
- 1 REMOTE EPO NC
 - 2 REMOTE EPO NO RTN
 - 3 REMOTE EPO NO
 - 4 REMOTE EPO NO RTN
 - 5 BATT AUX
 - 6 BATT AUX RTN
 - 7 BATT SHUNT +
 - 8 BATT SHUNT -
 - 9 K3 NC AUX
 - 10 K3 NC AUX

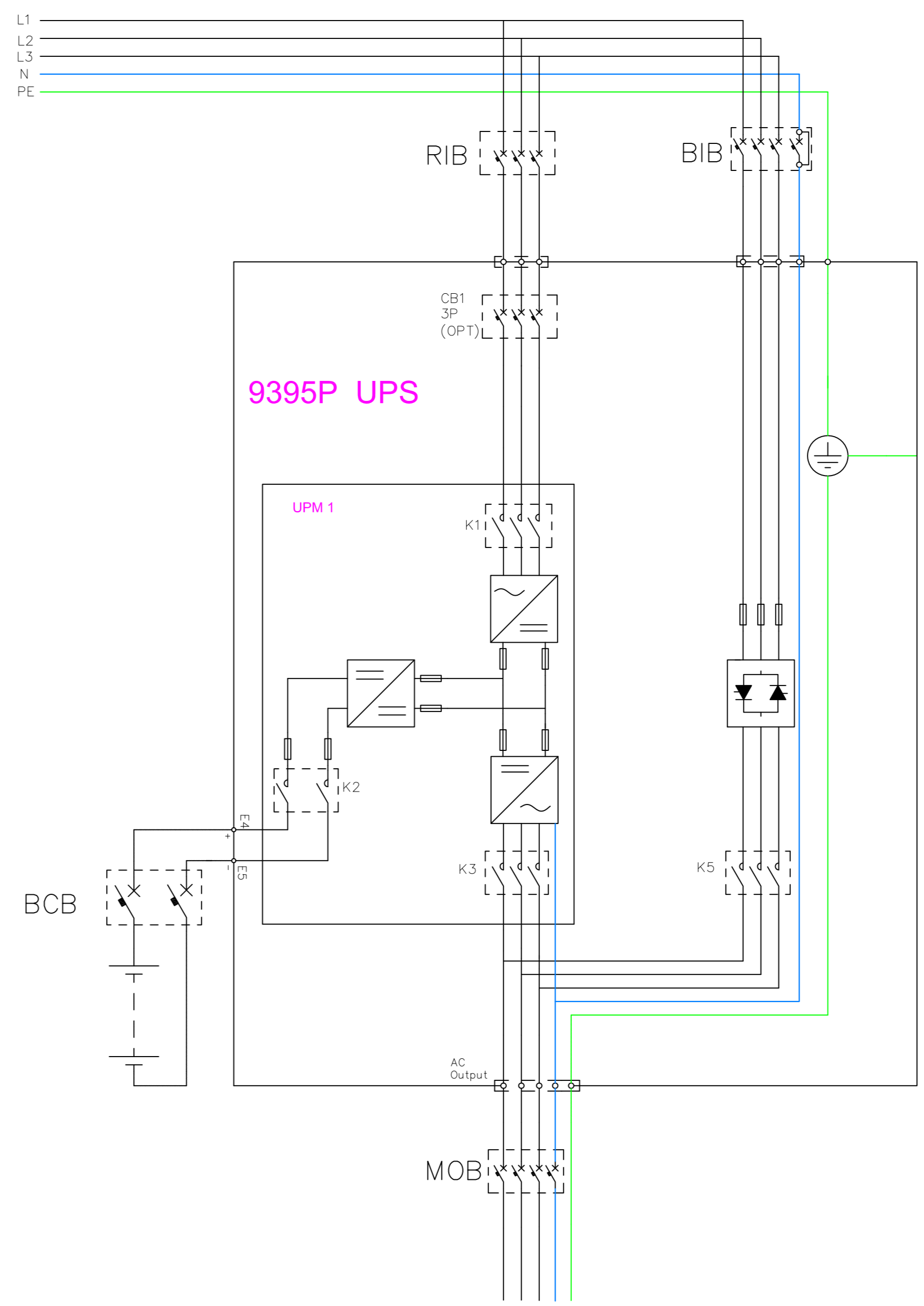
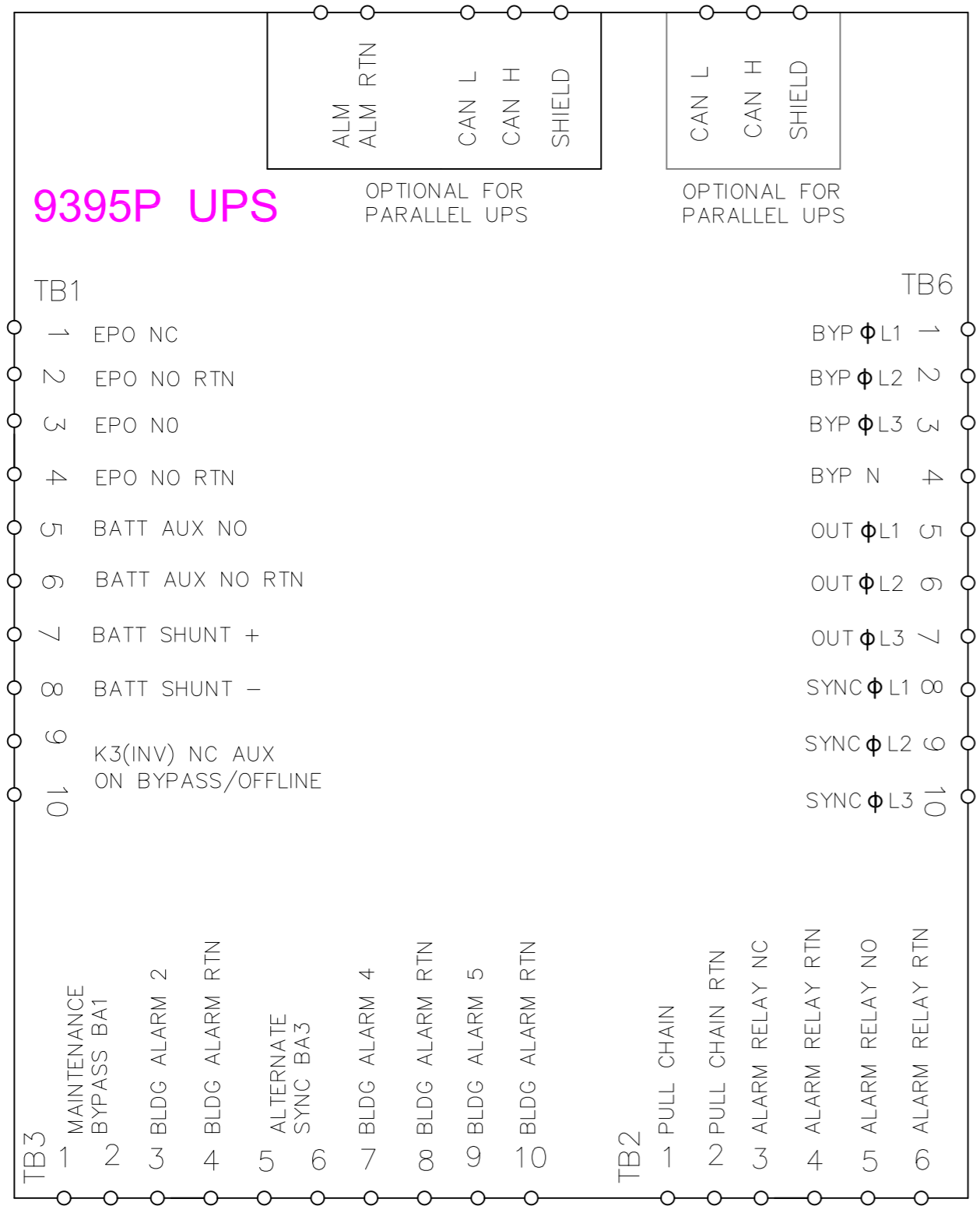
- TB2
- 1 PULL CHAIN
 - 2 PULL CHAIN RTN
 - 3 ALRM RELAY NC
 - 4 ALRM RELAY RTN
 - 5 ALRM RELAY NO
 - 6 ALRM RELAY RTN

- TB3
- 1 BLDG ALARM 1
 - 2 BLDG ALARM 1 RTN
 - 3 BLDG ALARM 2
 - 4 BLDG ALARM 2 RTN
 - 5 BLDG ALARM 3
 - 6 BLDG ALARM 3 RTN
 - 7 BLDG ALARM 4
 - 8 BLDG ALARM 4 RTN
 - 9 BLDG ALARM 5
 - 10 BLDG ALARM 5 RTN

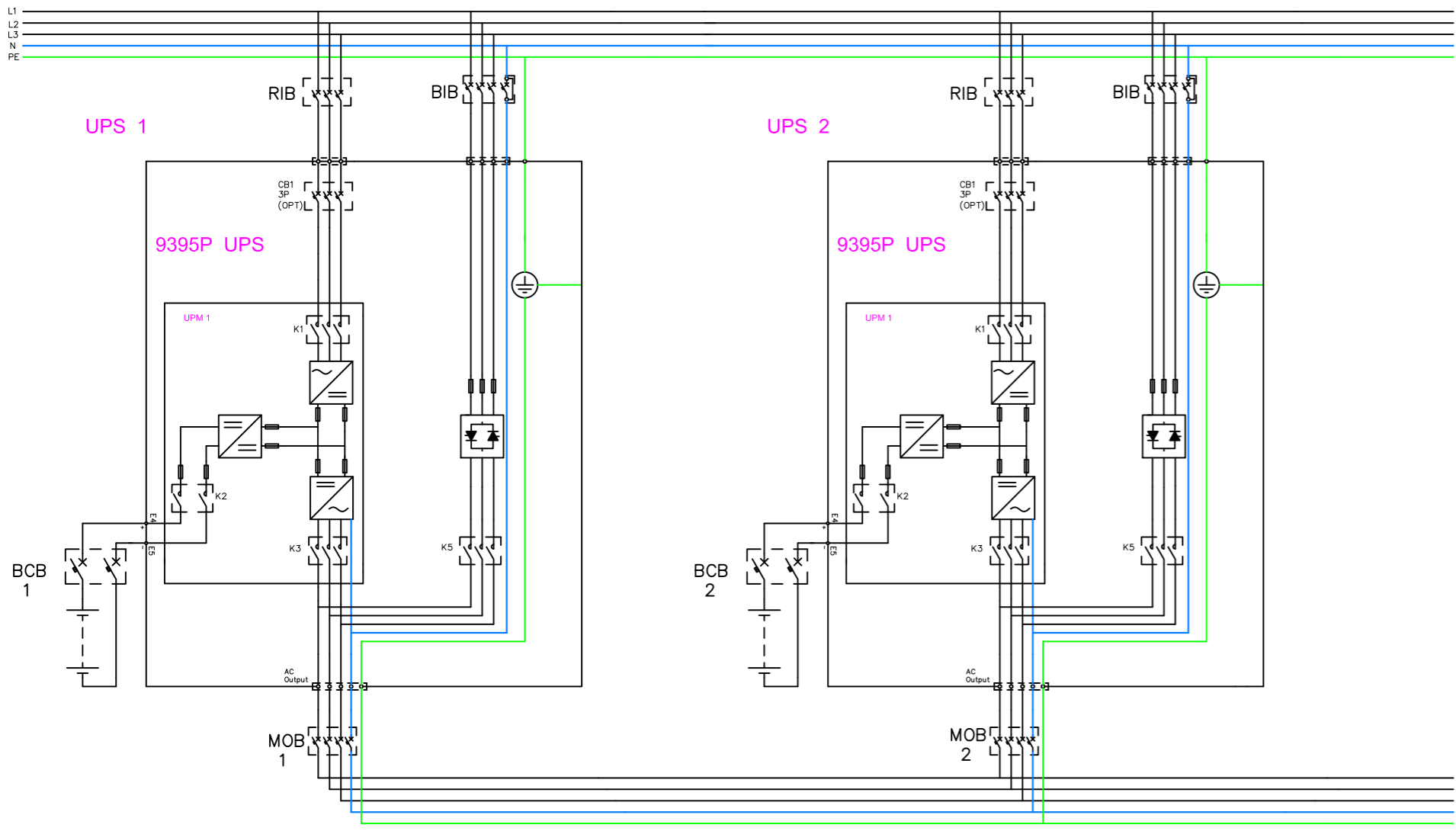
- TB6
- 1 BYP ϕ L1
 - 2 BYP ϕ L2
 - 3 BYP ϕ L3
 - 4 BYP ϕ N
 - 5 OUT ϕ L1
 - 6 OUT ϕ L2
 - 7 OUT ϕ L3
 - 8 SYNC ϕ L1
 - 9 SYNC ϕ L2
 - 10 SYNC ϕ L3

METRIC		EATON CORPORATION		
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DESCRIPTION: Power Xpert 9395P 250-300 kVA UPS Customer Connections				
ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:	REVISION: 003
MODIFIED: MERON GEMEDA	01.03.2017	DOCUMENT TYPE: AUTOCAD DRAWING	P-110000417	SCALE: 1:16
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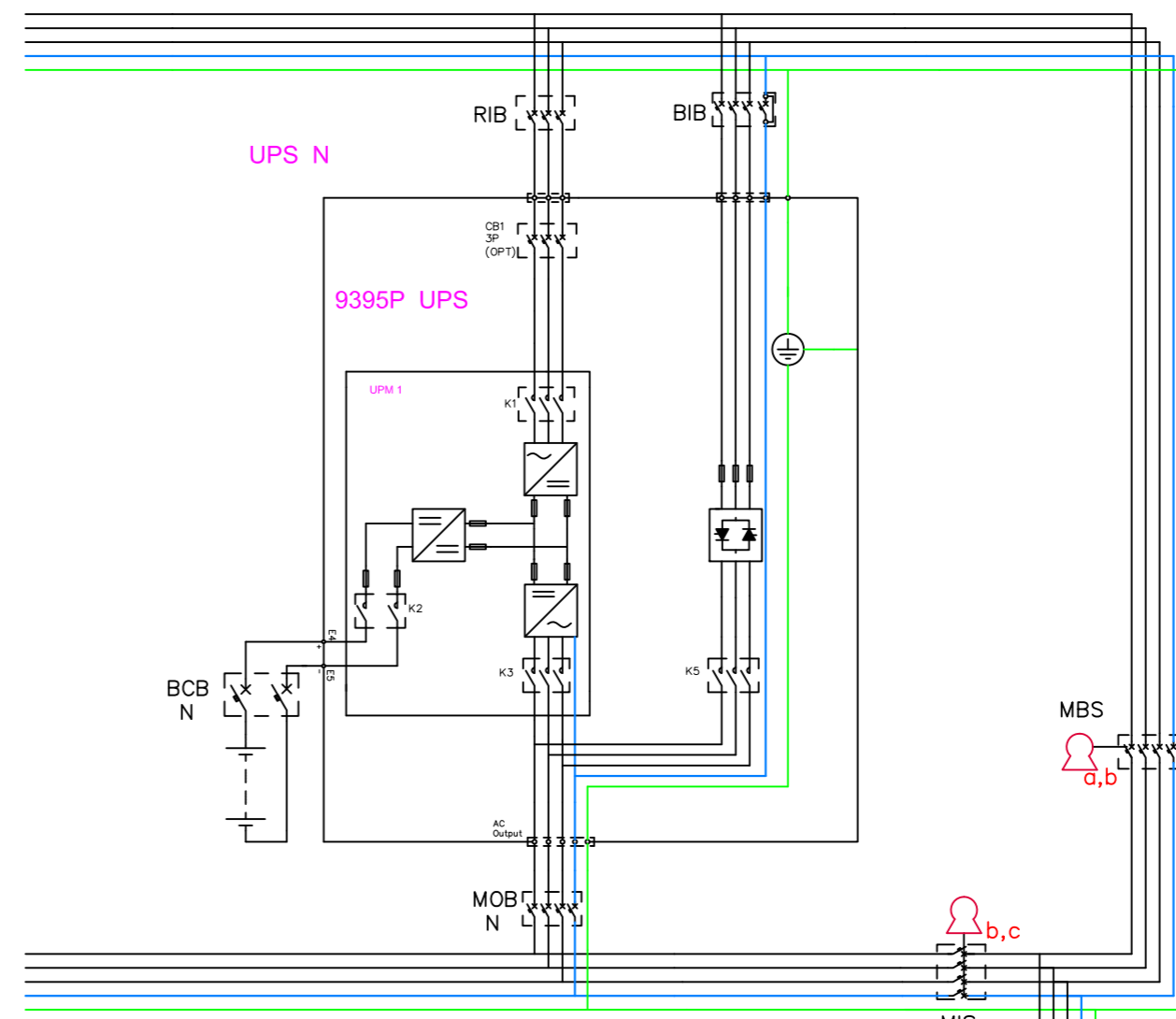
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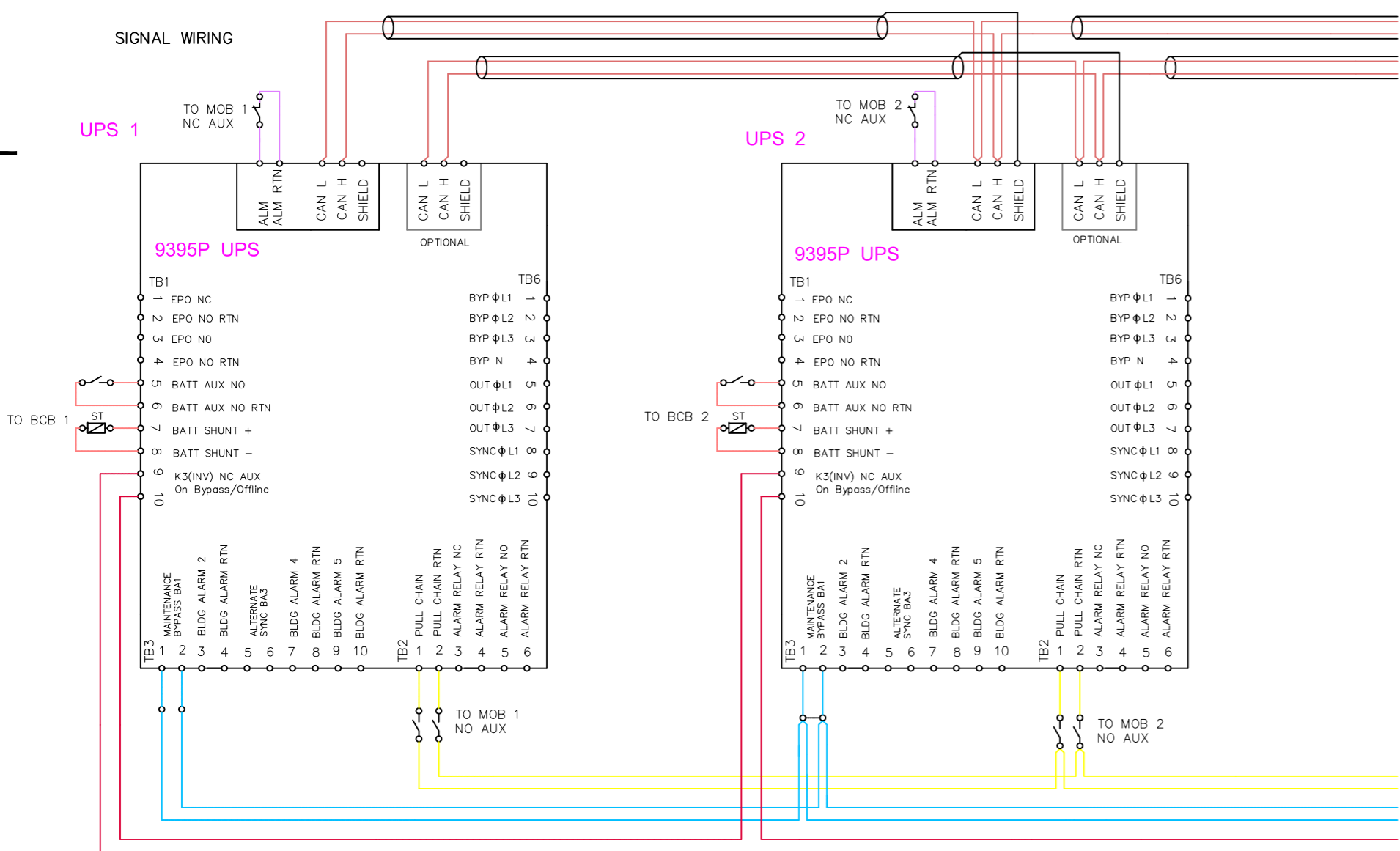
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DIMENSIONS ARE IN MILLIMETERS AFTER PLATING, DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.							
DESCRIPTION: Power Xpert 9395P 250-300 kVA UPS Electrical Wiring							
ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:	REVISION: 003	SCALE: N/A	SIZE: A2	
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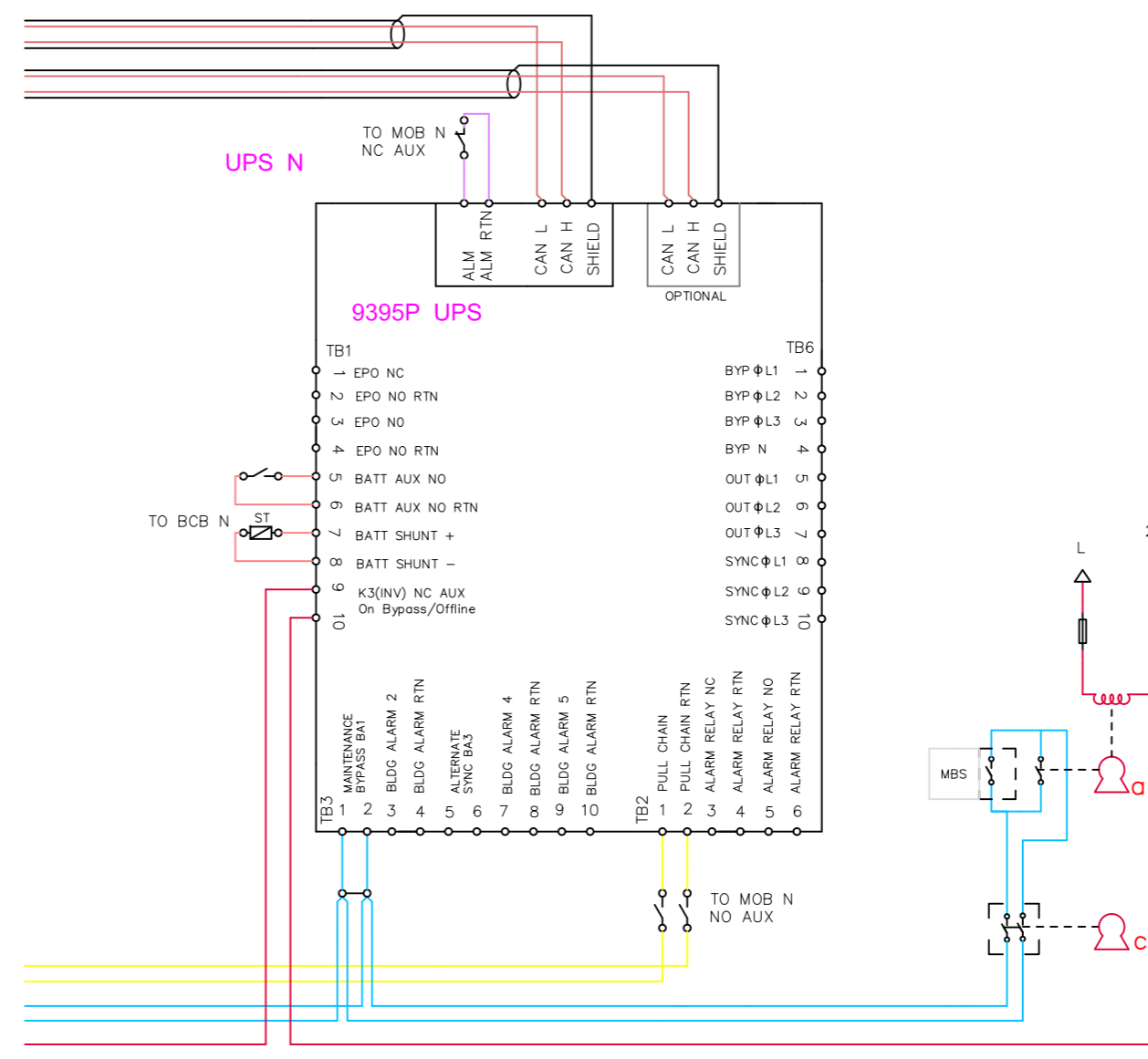
POWER WIRING



POWER WIRING



SIGNAL WIRING



SIGNAL WIRING

- MBS STATUS (Provided by others, Installed by others)
0.75 - 2.5mm² twisted pair (if possible, else shielded)
No earth needed
- MOB STATUS (Provided by others, Installed by others)
0.75 - 2.5mm² twisted pair (if possible, else shielded)
No earth needed
- PCAN (DUAL AS OPTION)
Provided by Eaton, Installed by Eaton

- PULL CHAIN (Redundant ON BYPASS STATUS)
Provided by Eaton, Installed by Eaton
- ON BYPASS STATUS (NO INVERTORS ONLINE)
Provided by others, Installed by others
1.5 - 2.5mm² , 600v

- Mechanical bypass interlocking sequence
1. Place UPS system to bypass. On bypass status (K3) will energize Key A solenoid to release it
 2. Removing key A will switch on "force bypass" to the UPS system
 3. Place key A to MBS breaker and close breaker. Key B will be released.
 4. Aux contact of MBS will keep "force bypass" on UPS system
 5. Place key B to MIS breaker and open MIS to isolate UPS system from load. Key C will be released
 6. Place key C to it's dedicated keyhole to release "force bypass" command to allow UPS system testing

METRIC	THIRD ANGLE PROJECTION	EATON CORPORATION		EATON
DIMENSIONS ARE IN MILLIMETERS AFTER PLATING, DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.				
DESCRIPTION: Power Xpert 9395P 250-300 kVA UPS Wiring Parallel Units				
ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:	REVISION: A2
MODIFIED: MERON GEMEDA		DOCUMENT TYPE:	P-110000417	
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Power Xpert 9395P 250-300 kVA UPS Site Planning Data

Product Specifications																		
UPS Rating		AC Input		3P Rectifier Input Breaker (RIB)		3P+Bolted N Bypass Input Breaker (BIB)			AC Output		4P Inverter AC output Breaker MOB			Battery Breaker (BCB) (Nominal ratings)			For Parallel Units Common Maintenance Bypass Switch (MBS)	
				Nominal Current	Maximum Current	Nominal Current at 400v Input	Maximum Current at 10% under voltage	Integrated Bypass Fuse			Output Current	Inverter Short Circuit Current	Auxiliary Switches	Rating	Common Battery Configuration (UPS Battery)	Trip Device (Shunt Trip)	Auxiliary Switches	Rating
KVA	KW	v	A	A	A	A	Type	v	A	A	Qty	VDC	A	VDC	Qty	A	Qty	
250	250	400	447	455	361	398	170M4467 700A	400	361	760	2	600	555	48	1	435 x N	1	
300	275	400	489	500	433	479	170M4467 700A	400	433	760	2	600	610	48	1	435 x N	1	
300	300	400	506	506	433	479	170M4467 700A	400	433	760	2	600	666	48	1	N/A	N/A	

Notes:

1. Rectifier AC input current calculations: Nominal – 100% load with full charging; Maximum – Rectifier current limit.
2. Inverter AC output current calculation: At 100% rated output load.
3. The system must be installed on a level floor suitable for computer or electronic equipment.
4. All wiring and installations must be in accordance with applicable national and local Electric Regulations.
5. AC input to UPS: (3) phases, (1) neutral, (1) ground.
AC output to load: (3) phases, (1) neutral, (1) ground.
DC input from battery to UPS: (1) positive, (1) negative, (1) ground.
6. All breakers should be adjusted according to the specified Ampere values to protect the UPS and installation.
7. For UPS installations that utilize single feed input the input breaker should be configured according to the rated rectifier input current.
8. Specifications are subject to change.

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ORIGINATED: ATIF RASHEED	27.04.2015	ECO:	NAME:
MODIFIED: MERON GEMEDA	14.06.2018	P-110000417	
CHECKED:		DOCUMENT TYPE:	STATE:
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