

## SITE PLANNING DATA 93PS 8-10kW

Page 1 Packaging Dimensions

Page 2 Dimensional Drawings

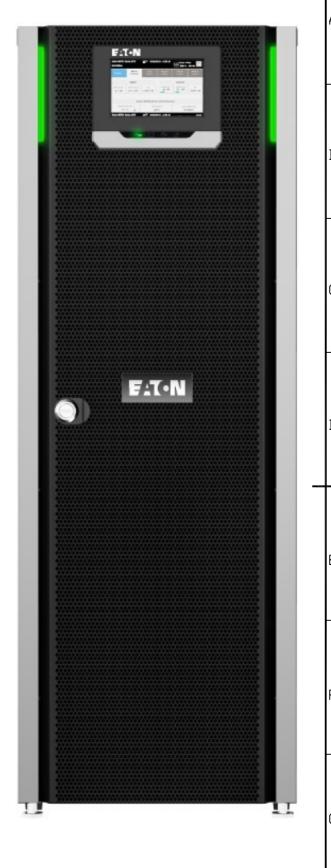
Page 3 COG and Clearance Dimensions

Page 4 Customer Connections

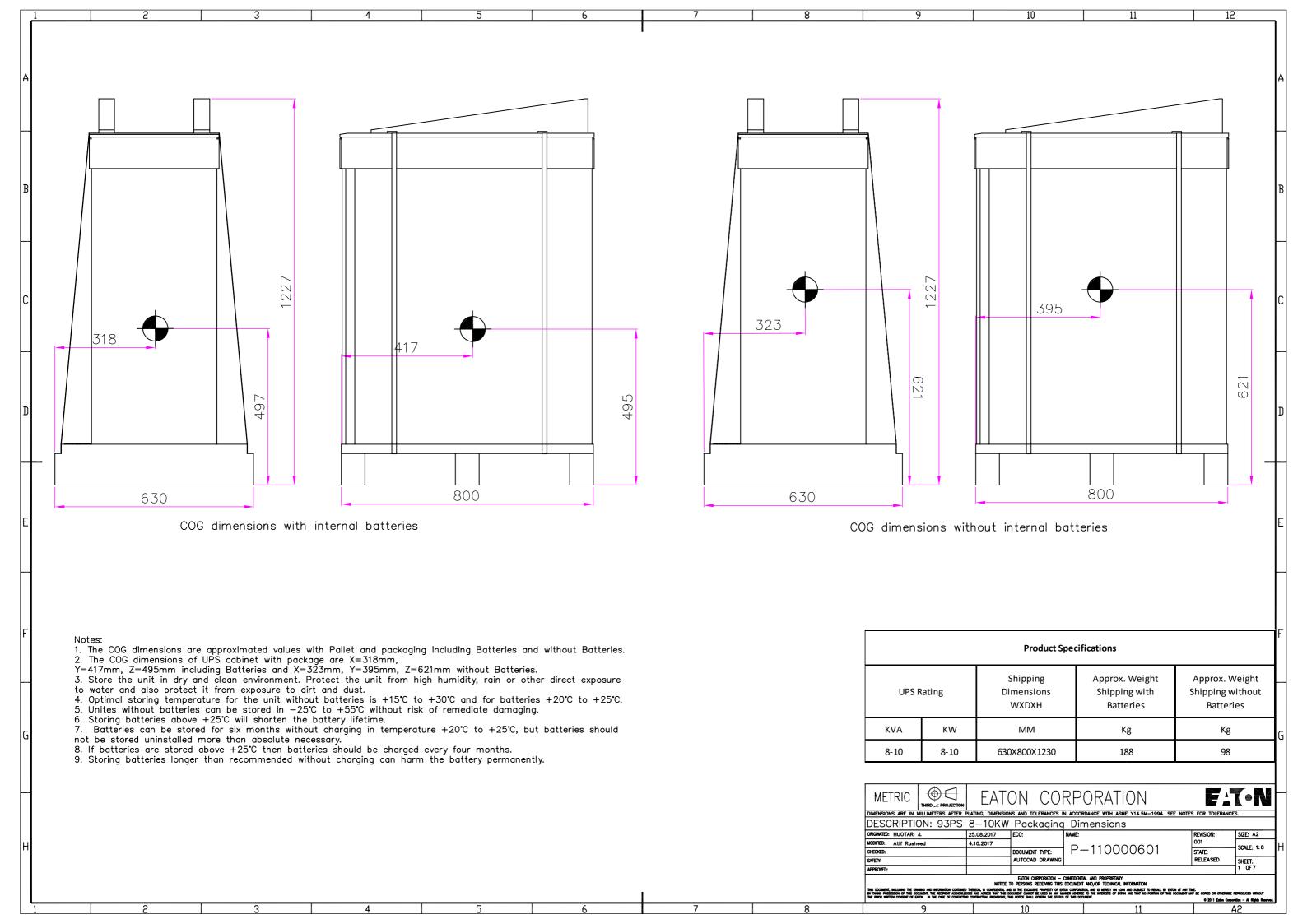
Page 5 Electrical Wiring of Single Unit

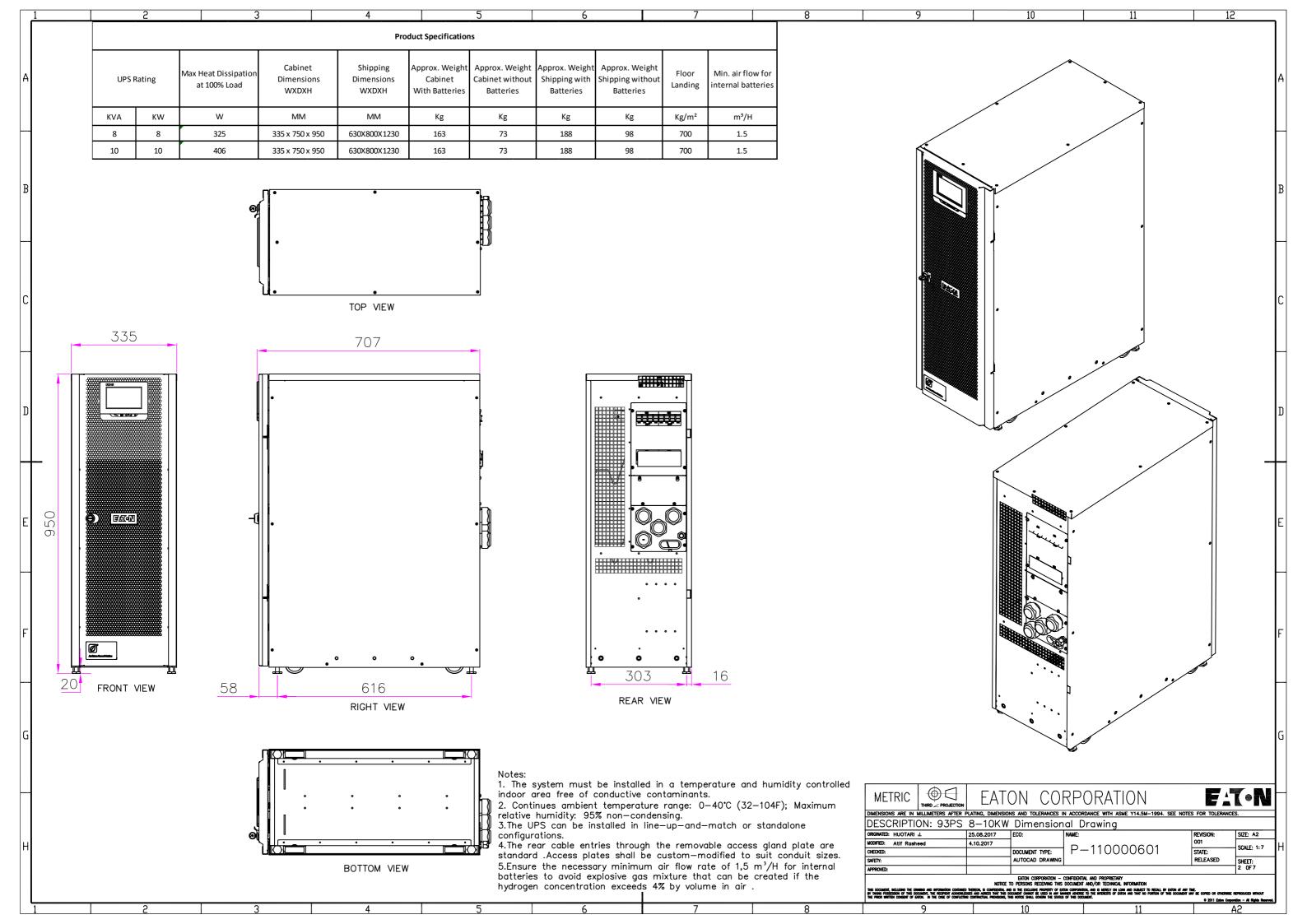
Page 6 Electrical & Signal Wiring of Parallel Units

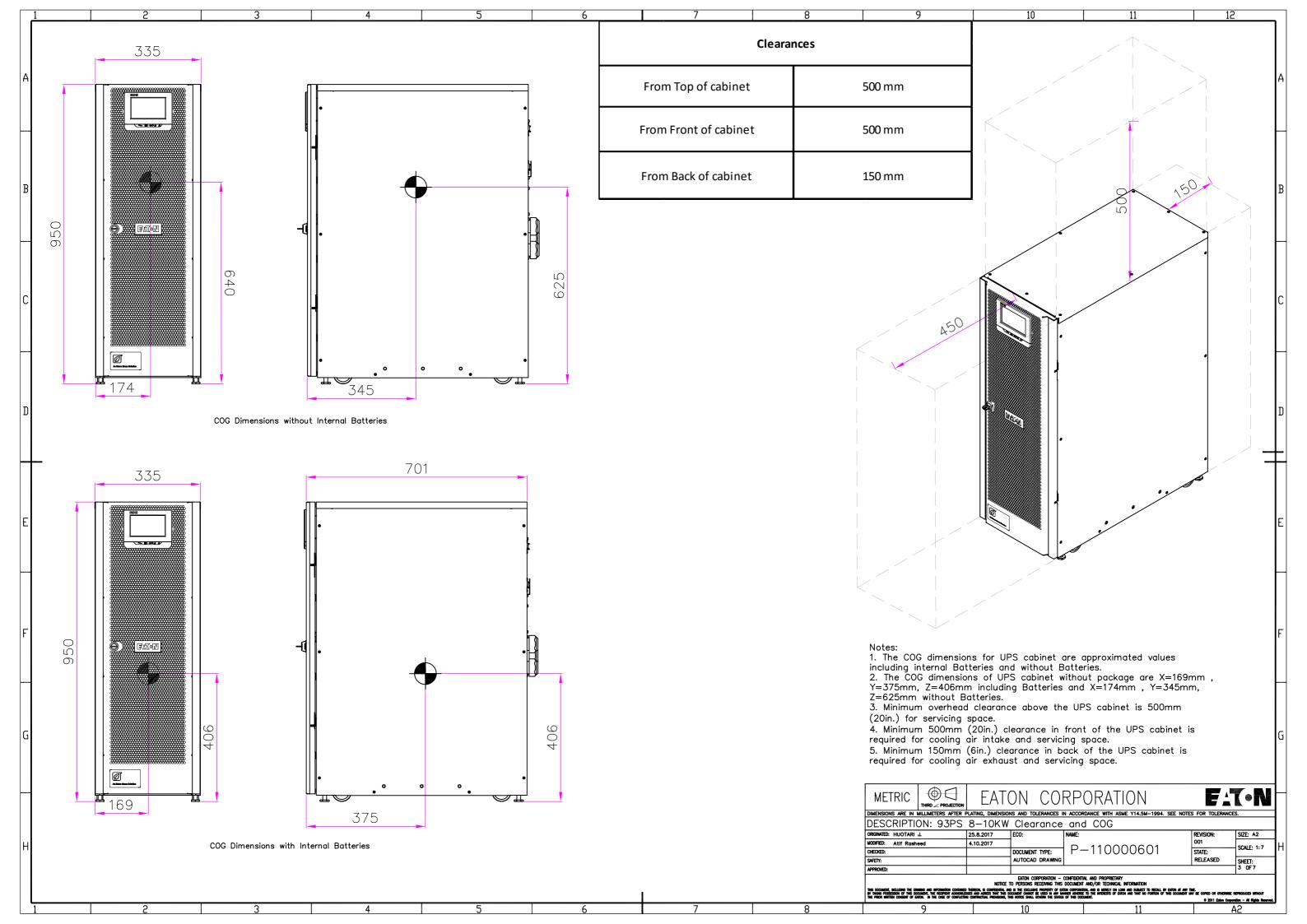
Page 7 Product Specifications

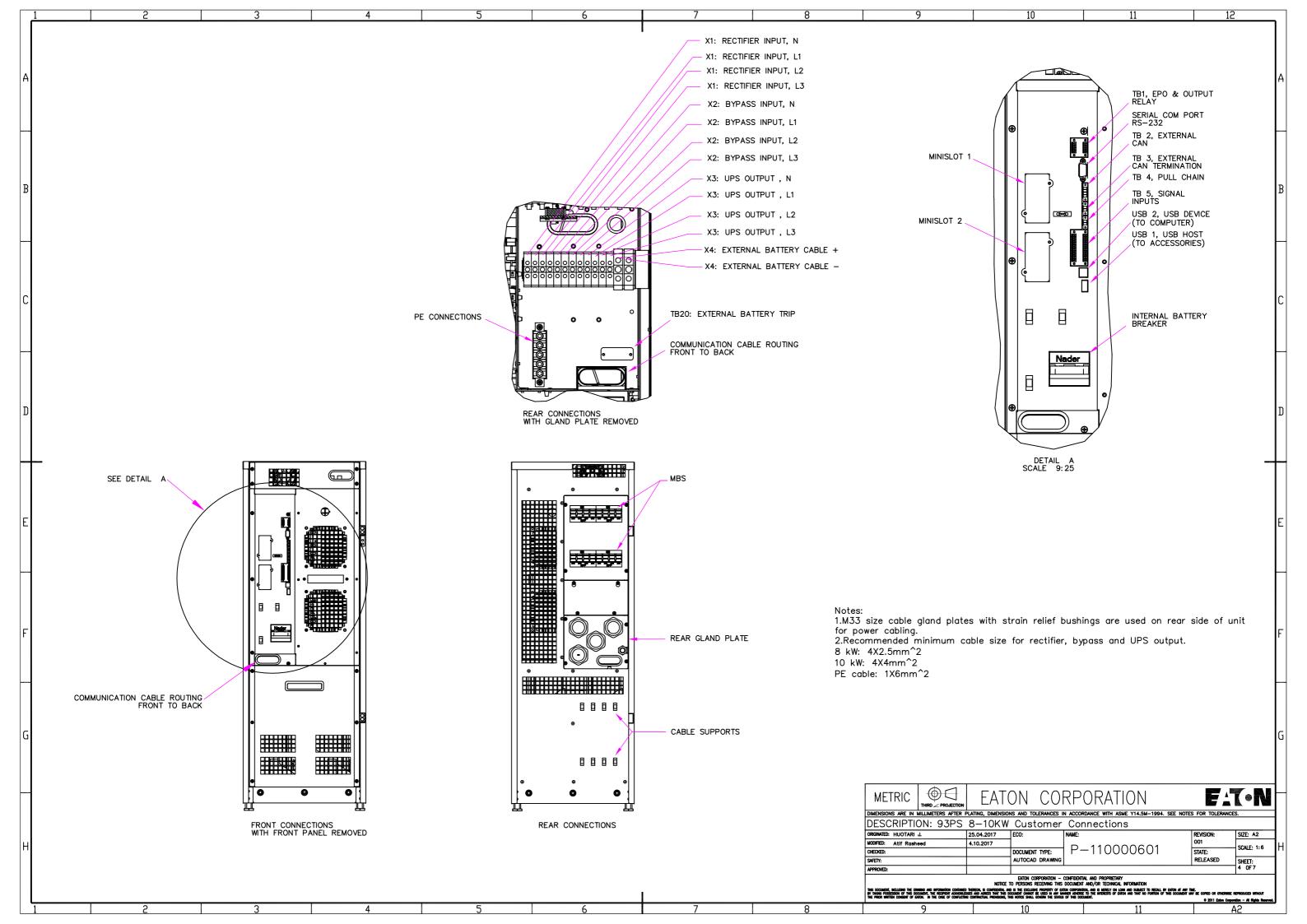


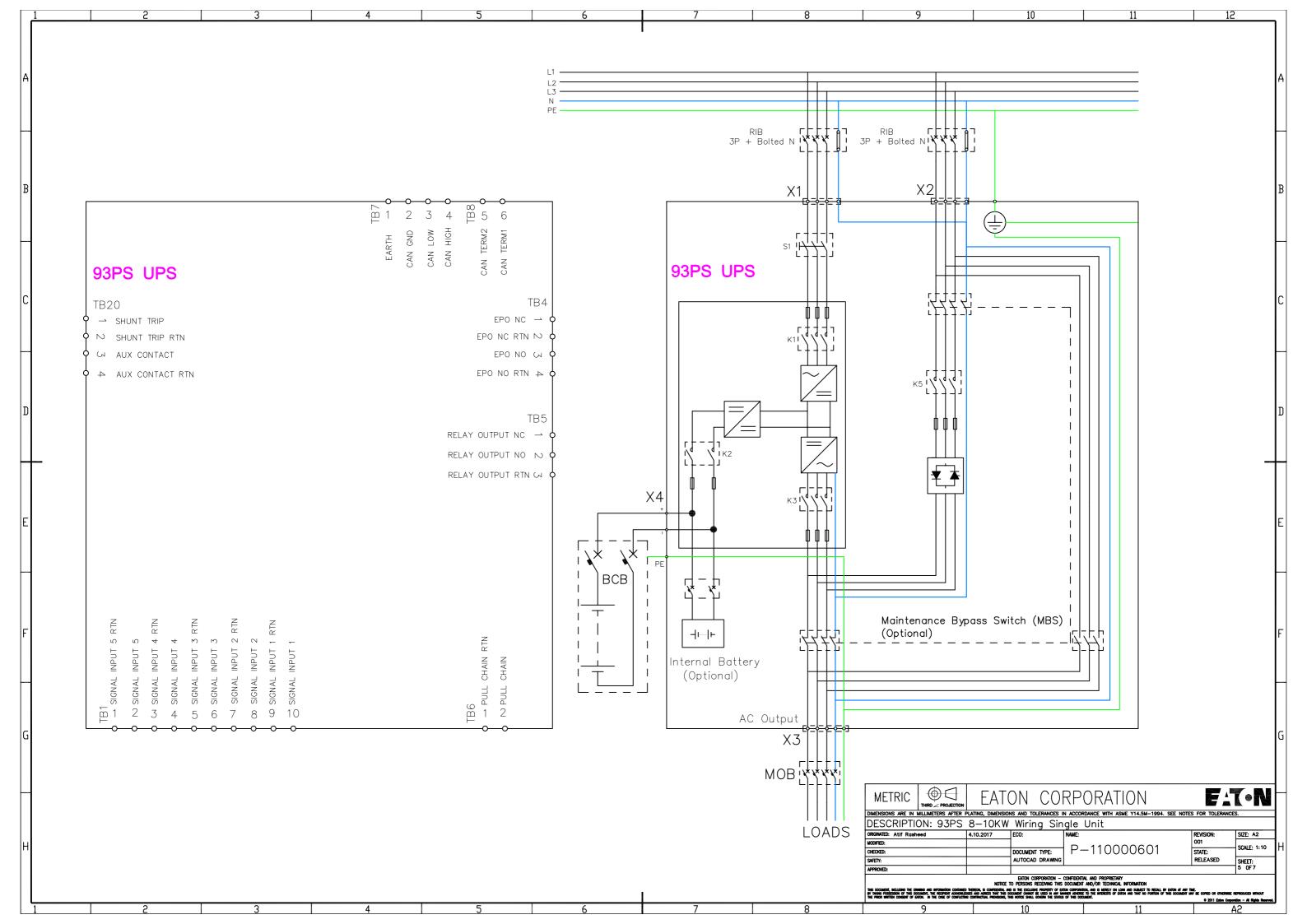
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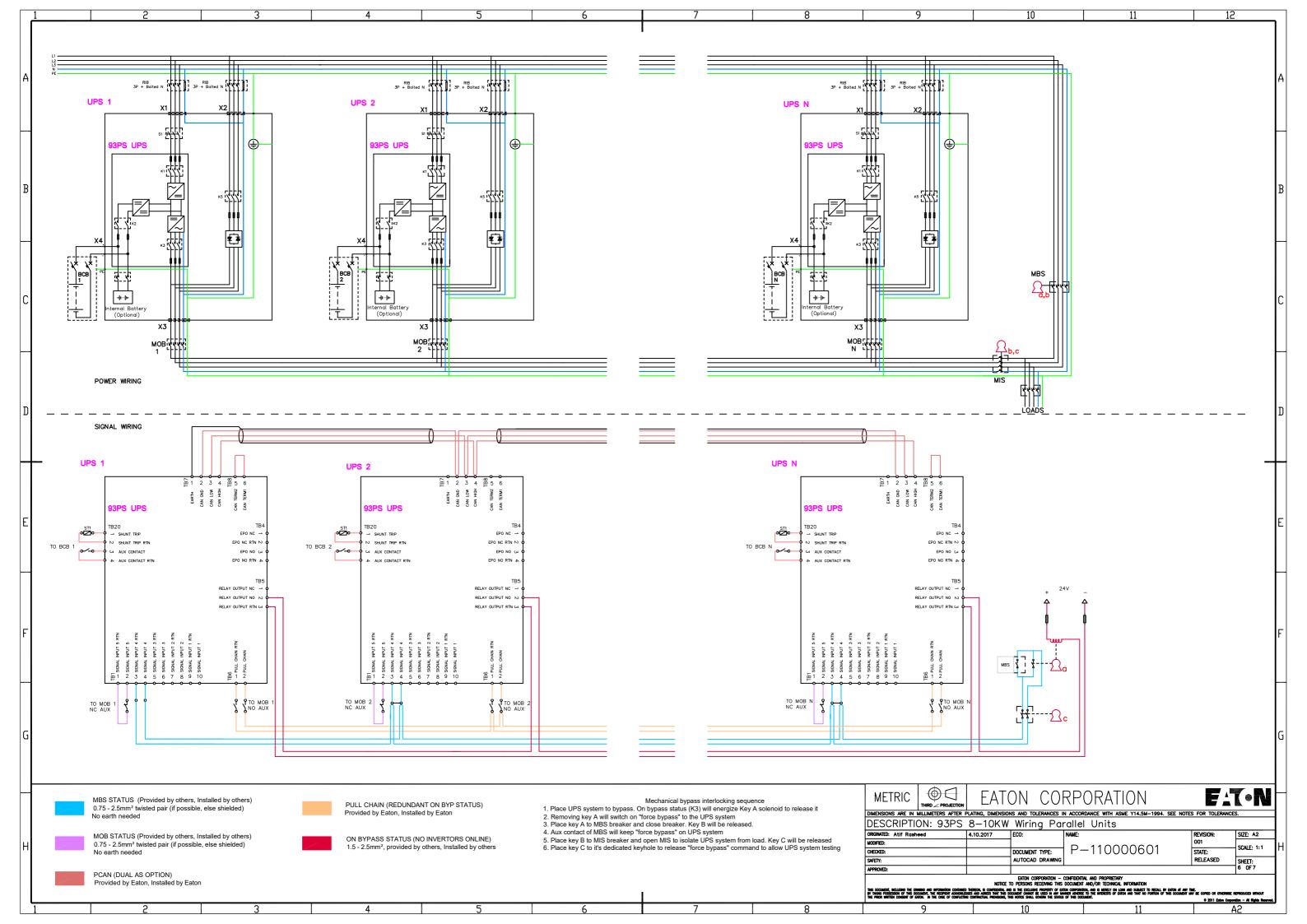












## 93PS 8-10KW UPS Site Planning Data

3	Product Specifications																				
			3P+Bolted N Rectifier Input Breaker (RIB)		3P+Bolted N Bypass Input Breaker (BIB)			4P Inverter AC output Breaker MOB		Battery Breaker (BCB) (Ratings at the end of discharge, 1.67VPC)				For Single Unit Maintenance Bypass Switch (MBS)	tenance Common Maintena ss Switch Bypass Switch						
UPS	UPS F	tating AC Inpu	PS Rating AC	AC Input	Nominal Current	Maximum Current	Current at	Maximum Current at 15% under voltage	Integrated Bypass Fuse	AC Output	Output Current	Inverter Short Circuit Current	Auxiliary Switches	Rating	Rated Current	Maximum current	Trip Device (Shunt Trip)	,	Rating	Rating	Auxiliary Switches
	KVA	KW	v	Α	А	А	А	Туре	v	А	A / 300ms	Qty	VDC	А	А	VDC	Qty	А	А	Qty	
	8	8	400	12	14	12	17	80ET	400	12	36	2	500	22	26	24	1	12	12 x N	1	
	10	10	400	15	18	14	21	80ET	400	15	36	2	500	27	33	24	1	14	14 x N	1	

Minimum recommended cable and fuse sizes								
-[	UPS RATING KW	Cable [mm²]	Rectifier Fuse [A]	Bypass Fuse [A]	PE Cable [mm²]	POS. & NEG. Line [mm²]	Battery Fuse [A]	EX BATT PE Cable [mm²]
	8	4x2.5	16	20	1x2.5	1x10	32	1x10
	10	4x4	16	20	1x4	1x10	32	1x10

Maximum conductor cross section							
Rectifier/Bypass/Output	EX. Battery						
	Solid/stranded wire: 25 mm <sup>2</sup> Stranded wire with ferrule: 16 mm <sup>2</sup>						

- 1. Rectifier AC input current calculations: Nominal 100% load without charging; Maximum 100% load with maximum charging (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 installation that utilizes single feed input, The input breaker should be configured according to the rated rectifier input current.
- 8. Cable sizing is based on the standard IEC 60364-5-52 and IEC 60364-5-54. The sizing is for 70°C rated copper cables.
- 9. Specifications are subject to change.

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