

## SITE PLANNING DATA 93PS 8-20KW

Page 1 Packaging Dimensions

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Page 3 COG and Clearance Dimensions

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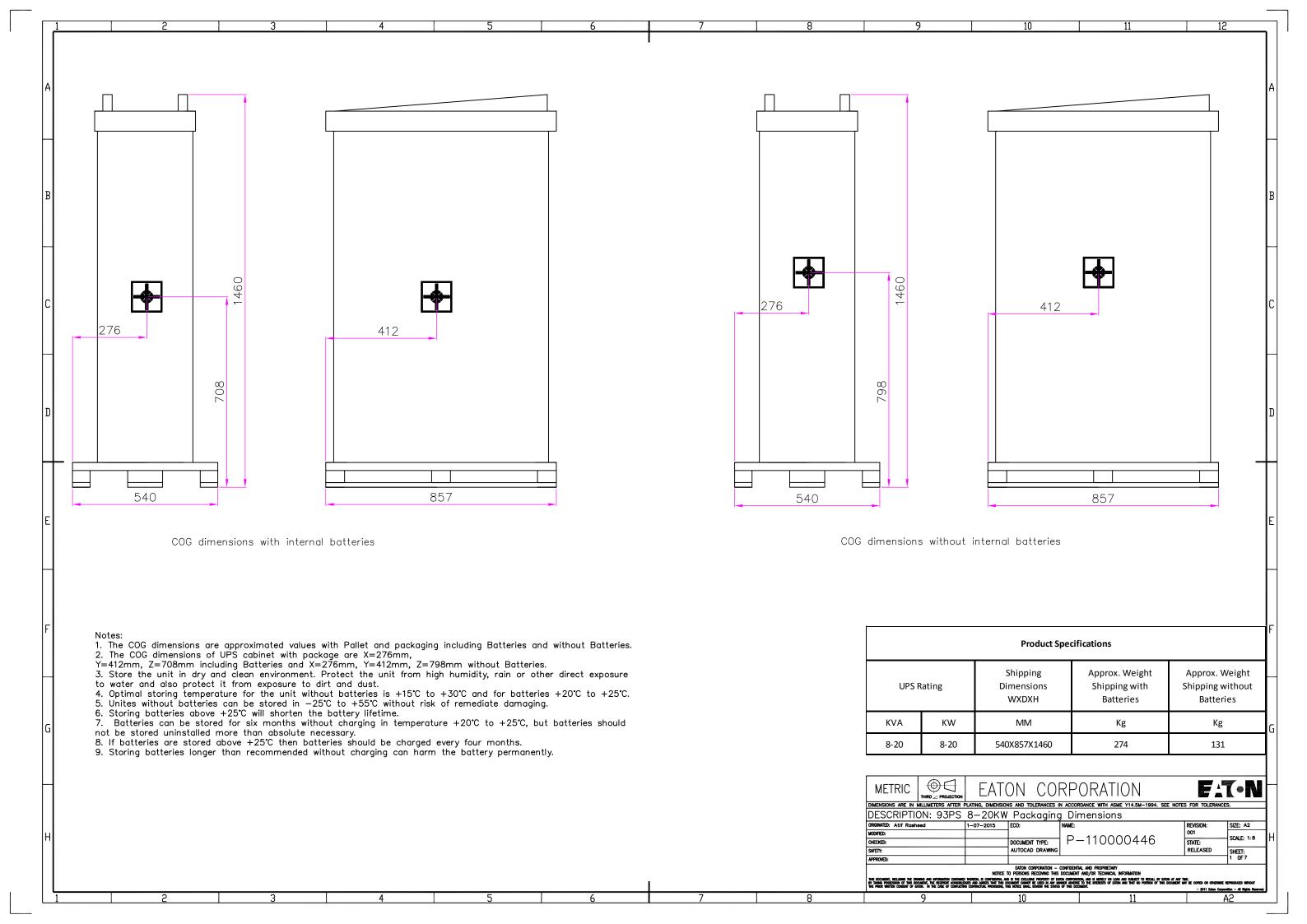
Page 5 Electrical Wiring of Single Unit

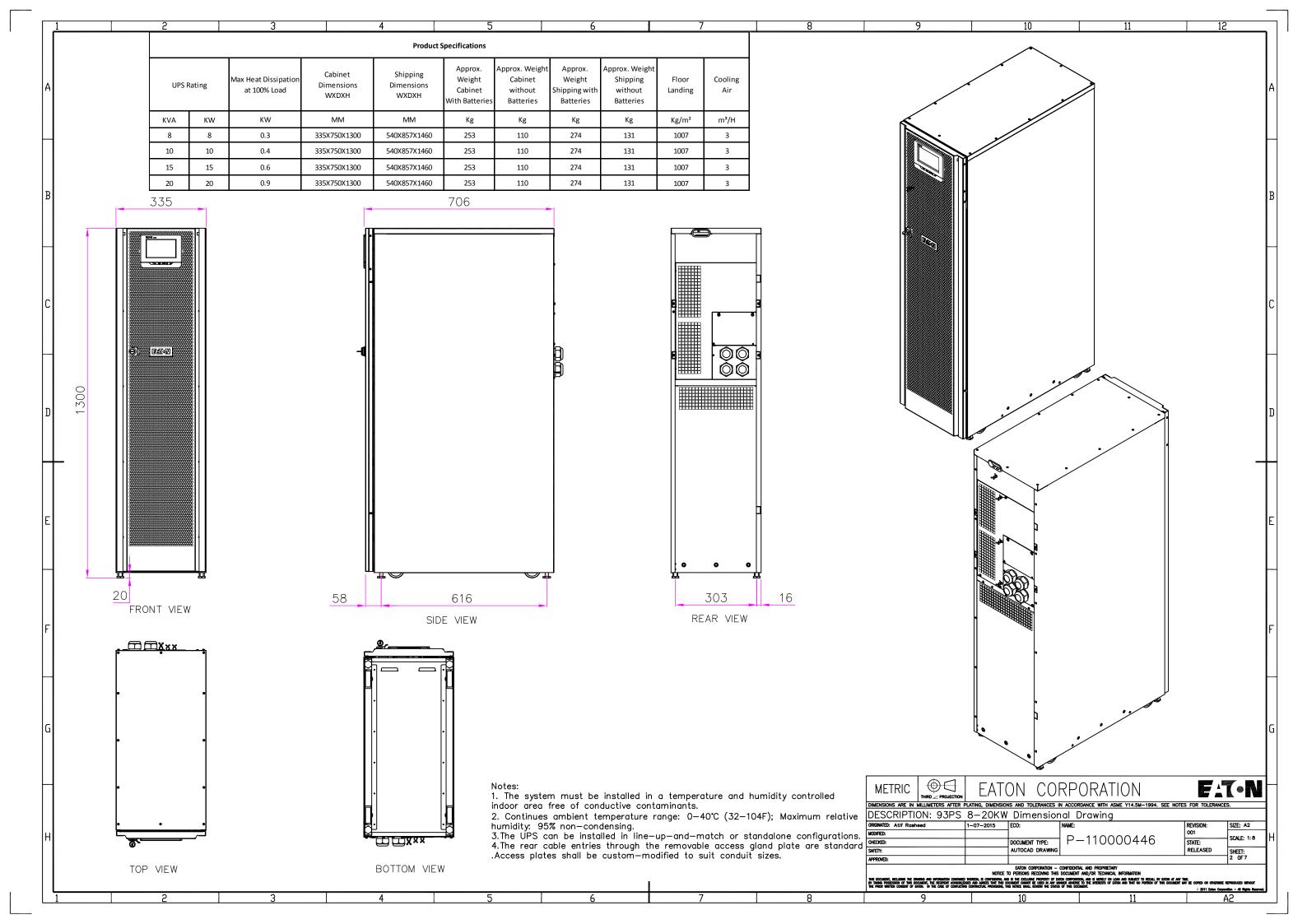
Page 6 Electrical & Signal Wiring of Parallel Units

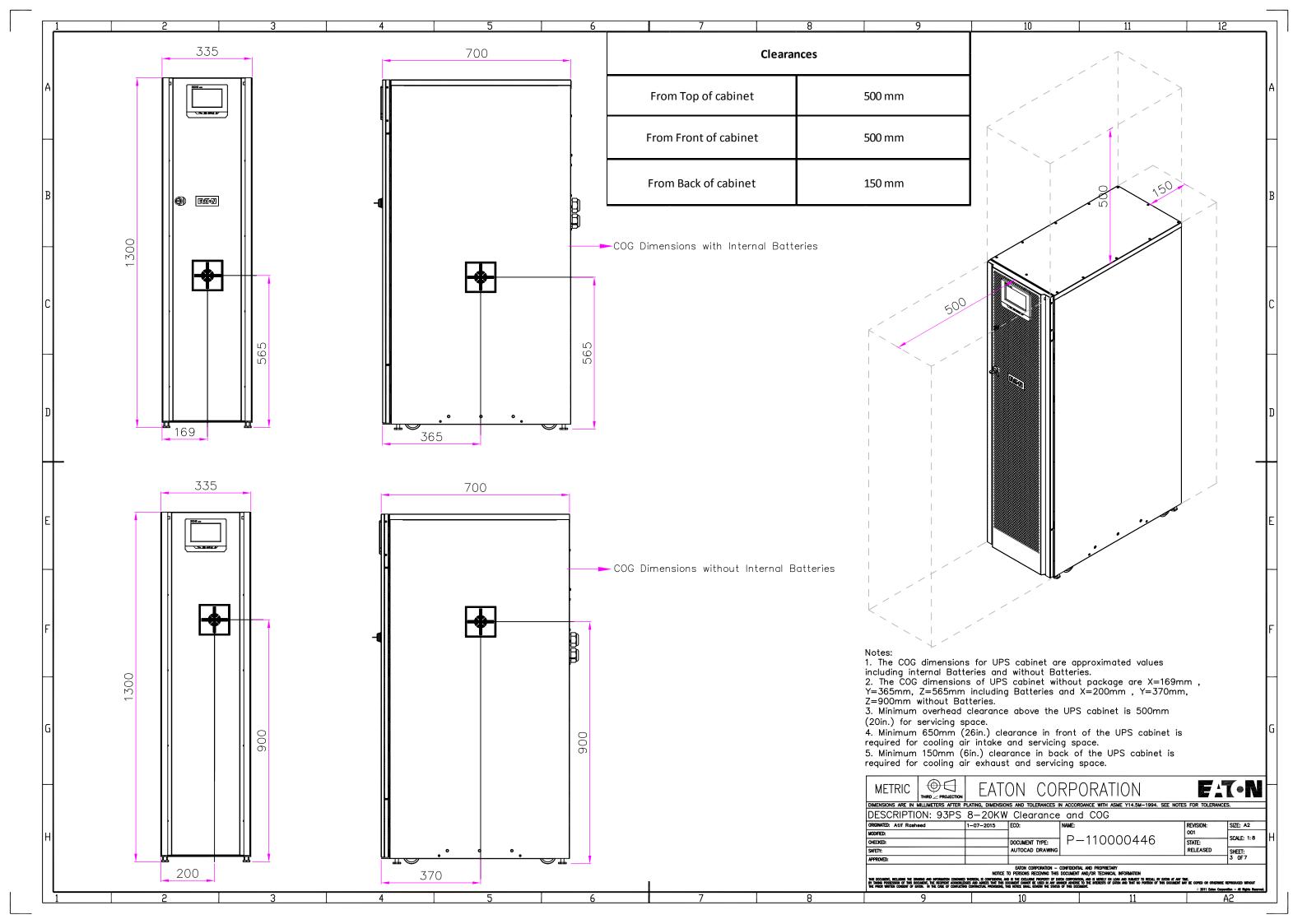
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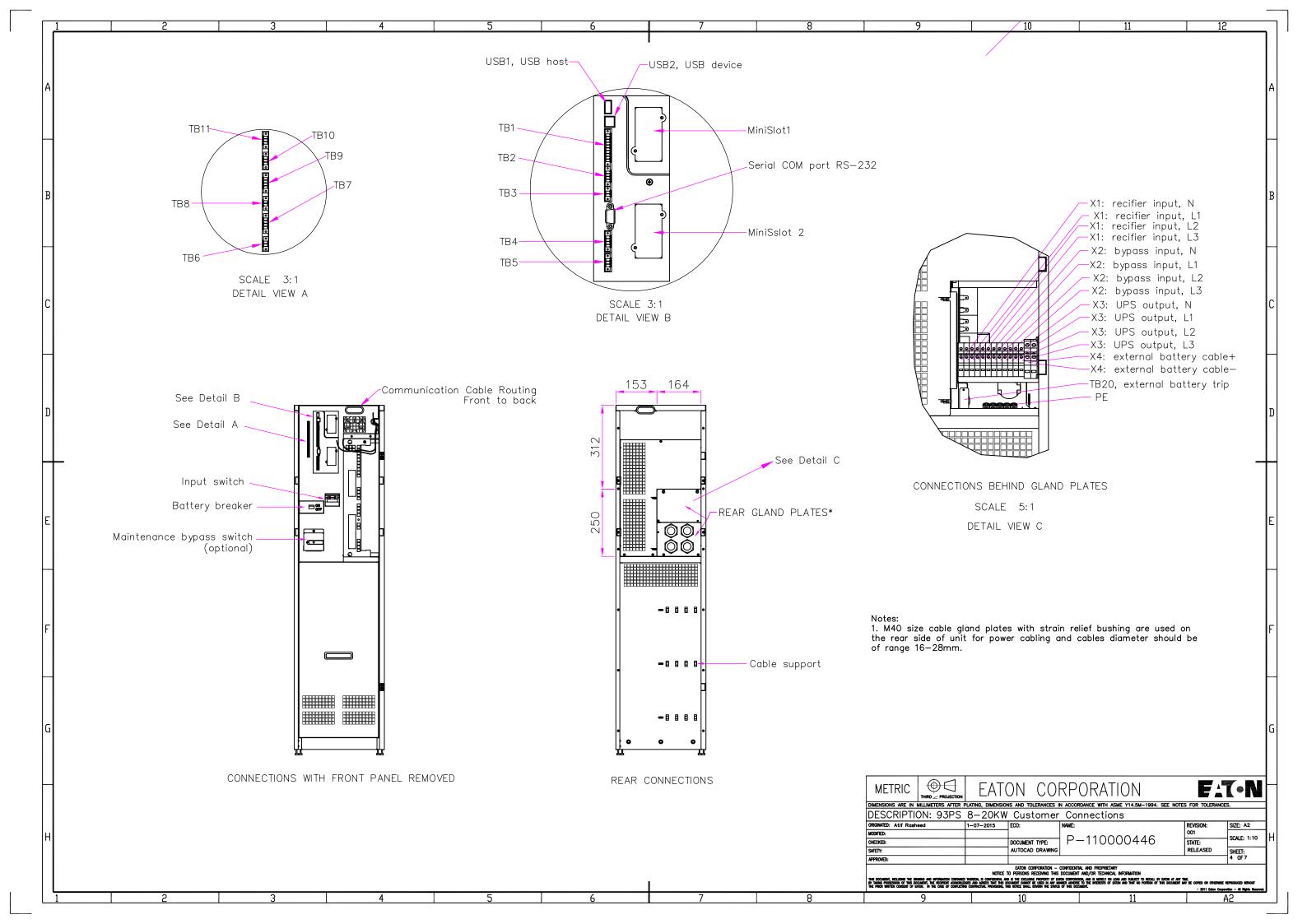


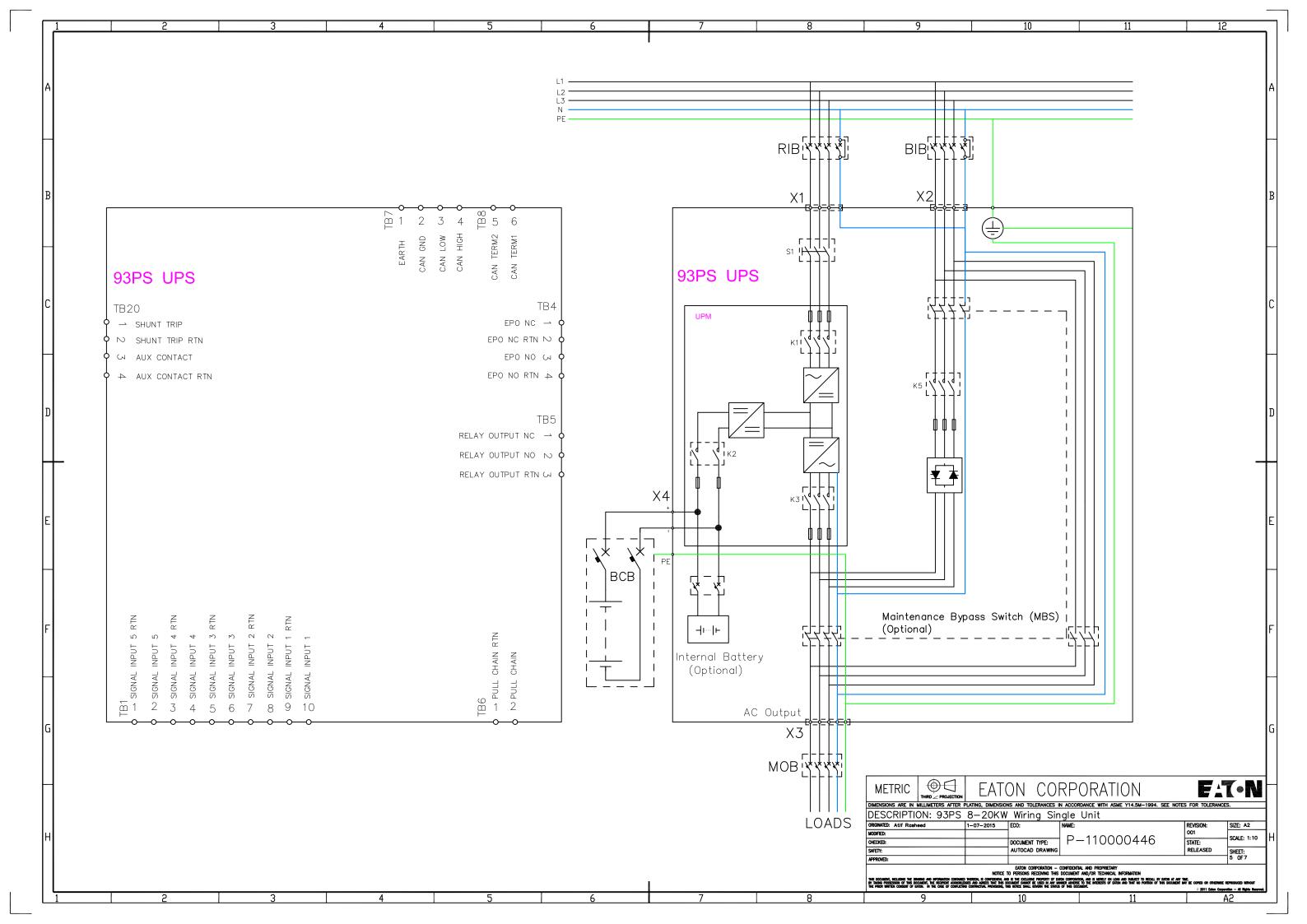
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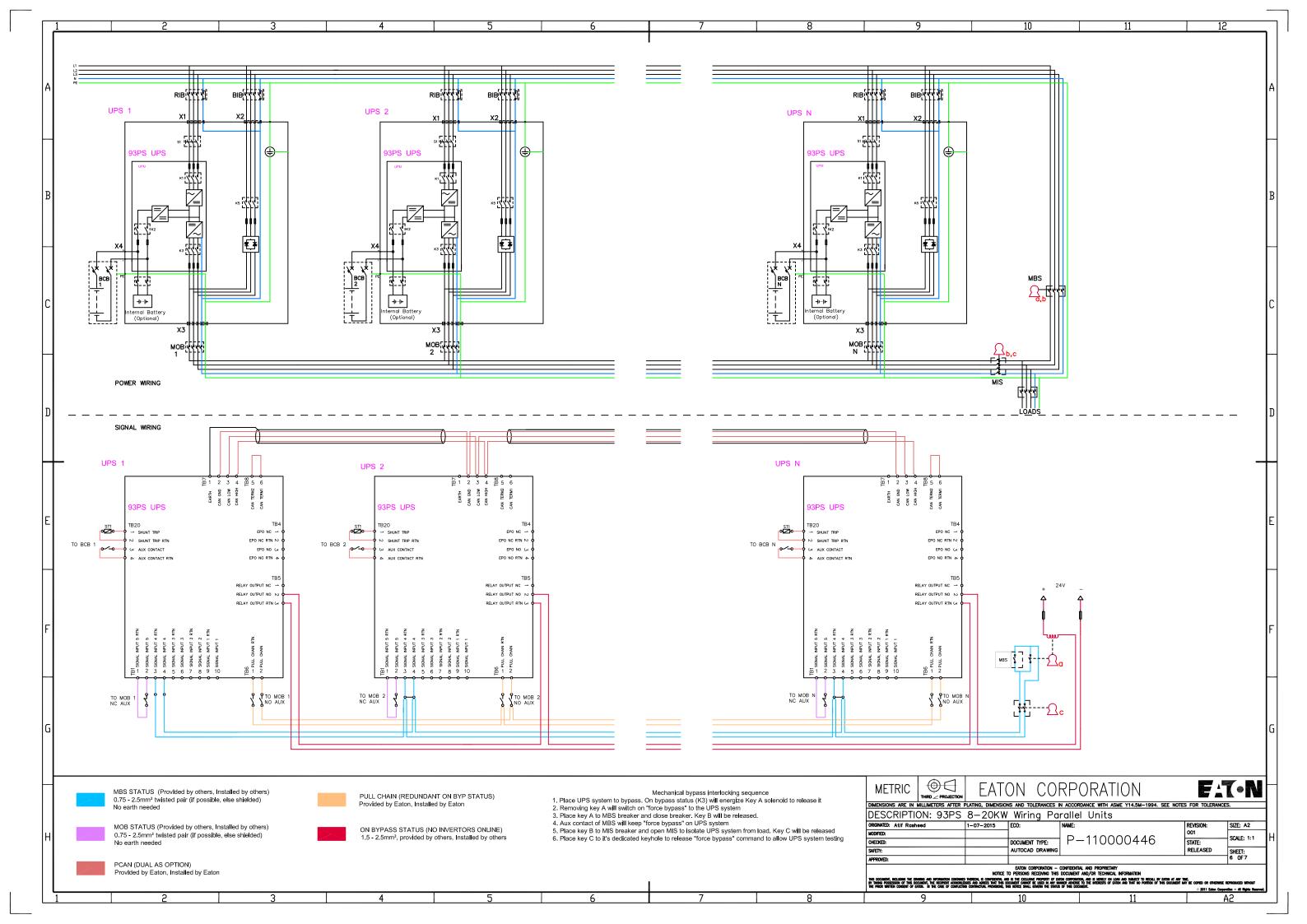












## 93PS 8-20KW UPS Site Planning Data

	Product Specifications																			
	UPS Rating A				lted N put Breaker IB)	Breaker Bypass Input Breaker (BIB) 4P Inverter AC of MC			ter AC output MOB	output Breaker Battery Breaker (BCB) OB (Ratings at the end of discharge, 1.67VPC)					For Single Unit Maintenance Bypass Switch (MBS)					
			AC Input	Nominal Current	Maximum Current	Nominal Current at 400v Input	Maximum Current at 15% under voltage	Bynass Fuse	AC Output	Output Current	Inverter Short Circuit Current	Auxiliary Switches		Separate Battery Configration (UPM Bttery)	_		Auxiliary Switches	Rating	Rating	Auxiliary Switches
	KVA	KW	v	Α	Α	Α	Α	Туре	v	Α	A / 300ms	Qty	VDC	А	А	VDC	Qty	Α	А	Qty
	8	8	400	12	18	12	17	160 FEE	400	12	72	2	500	NA	63	24	1	12	12 x N	1
	10	10	400	15	22	15	21	160 FEE	400	15	72	2	500	NA	63	24	1	15	15 x N	1
	15	15	400	23	29	22	32	160 FEE	400	22	72	2	500	NA	63	24	1	22	22 x N	1
	20	20	400	30	38	29	42	160 FEE	400	29	72	2	500	NA	63	24	1	29	22 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	4*2.5	16	16	1*6	1*16	63	1*16				
10	4*4	20	20	1*6	1*16	63	1*16				
15	4*10	32	32	1*10	1*16	63	1*16				
20	4*10	50	40	1*10	1*16	63	1*16				

- 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.
- 8. Specifications are subject to change.

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