

SITE PLANNING DATA 93PS 8-20KW/40KW FRAME

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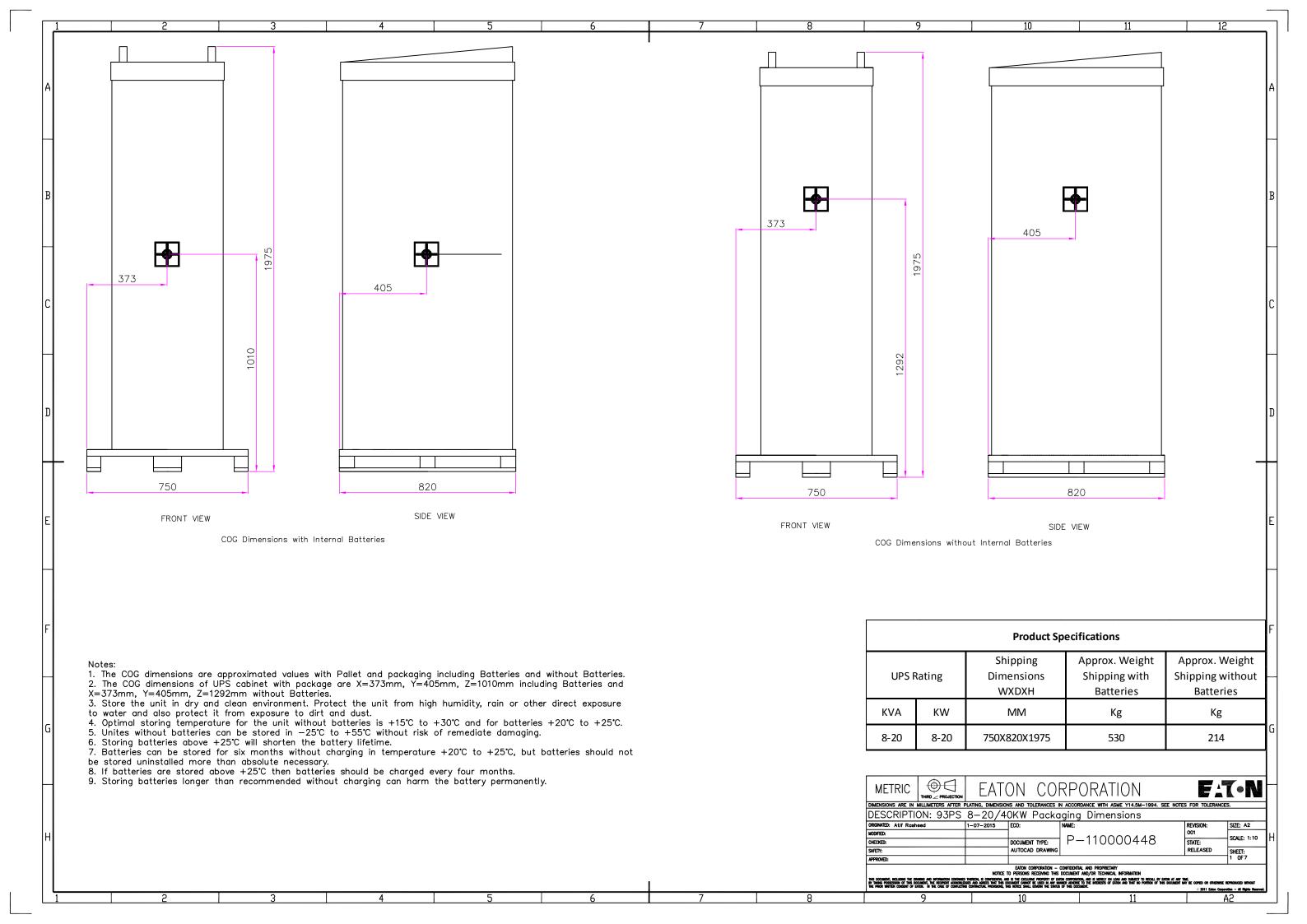
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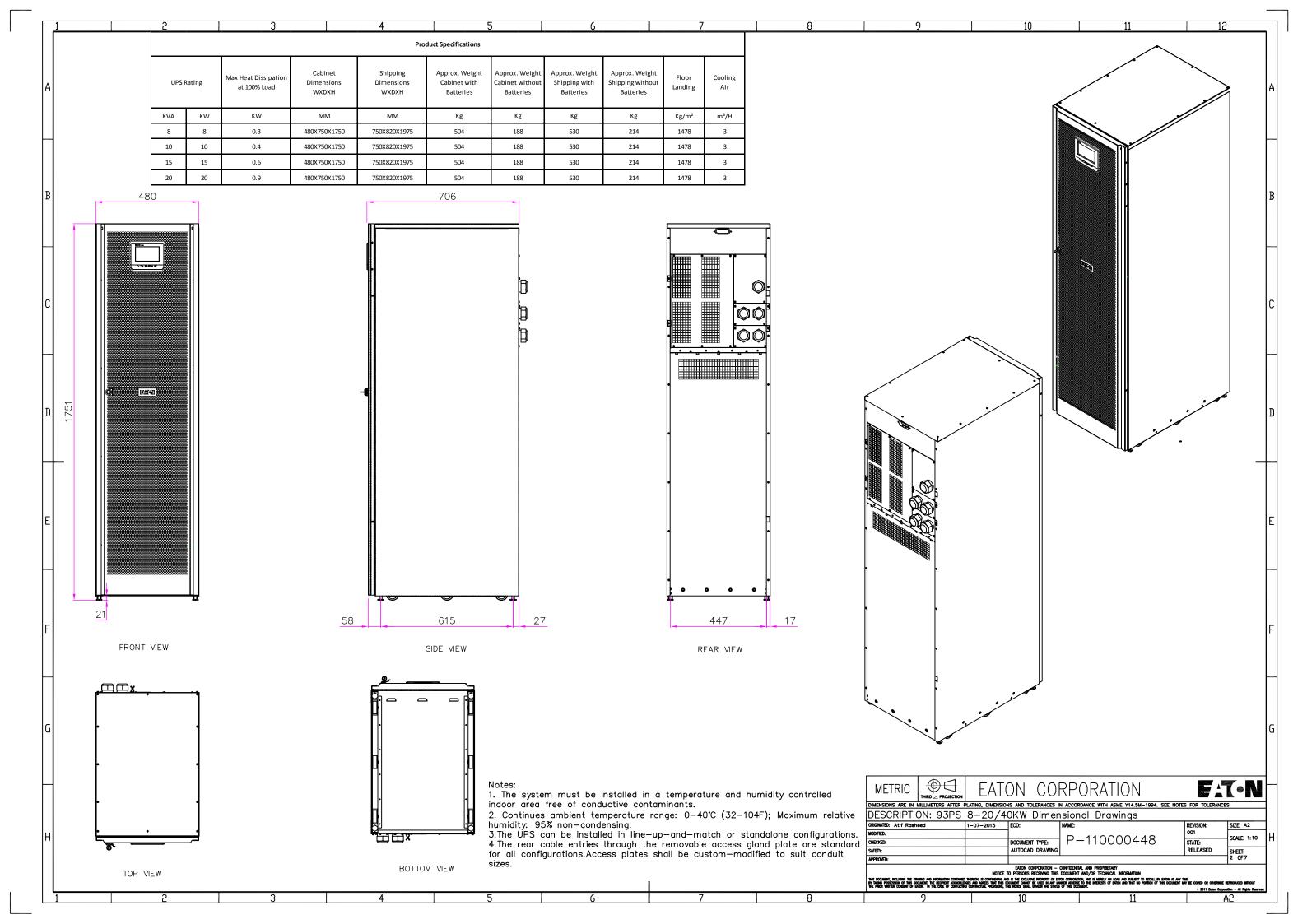
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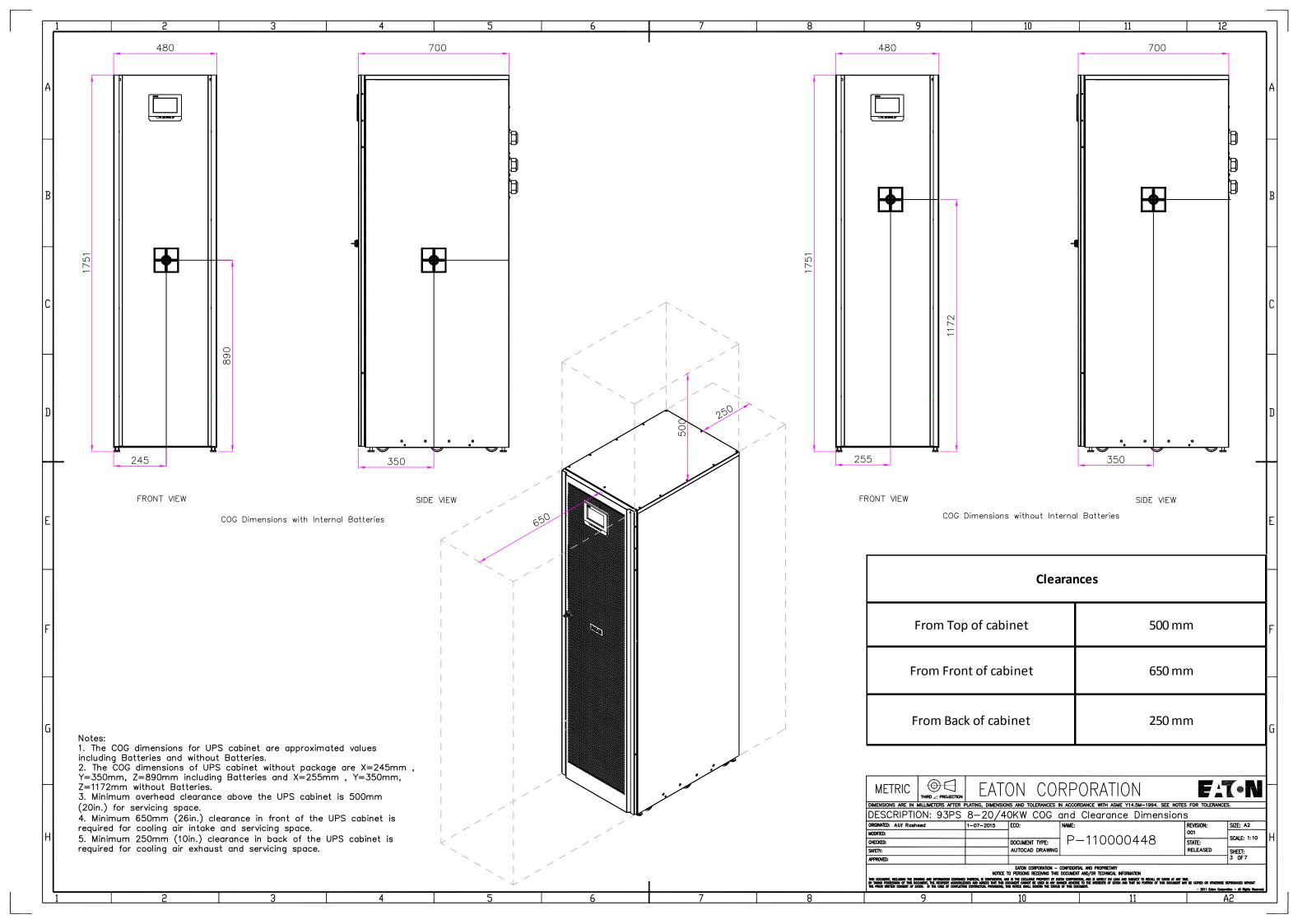


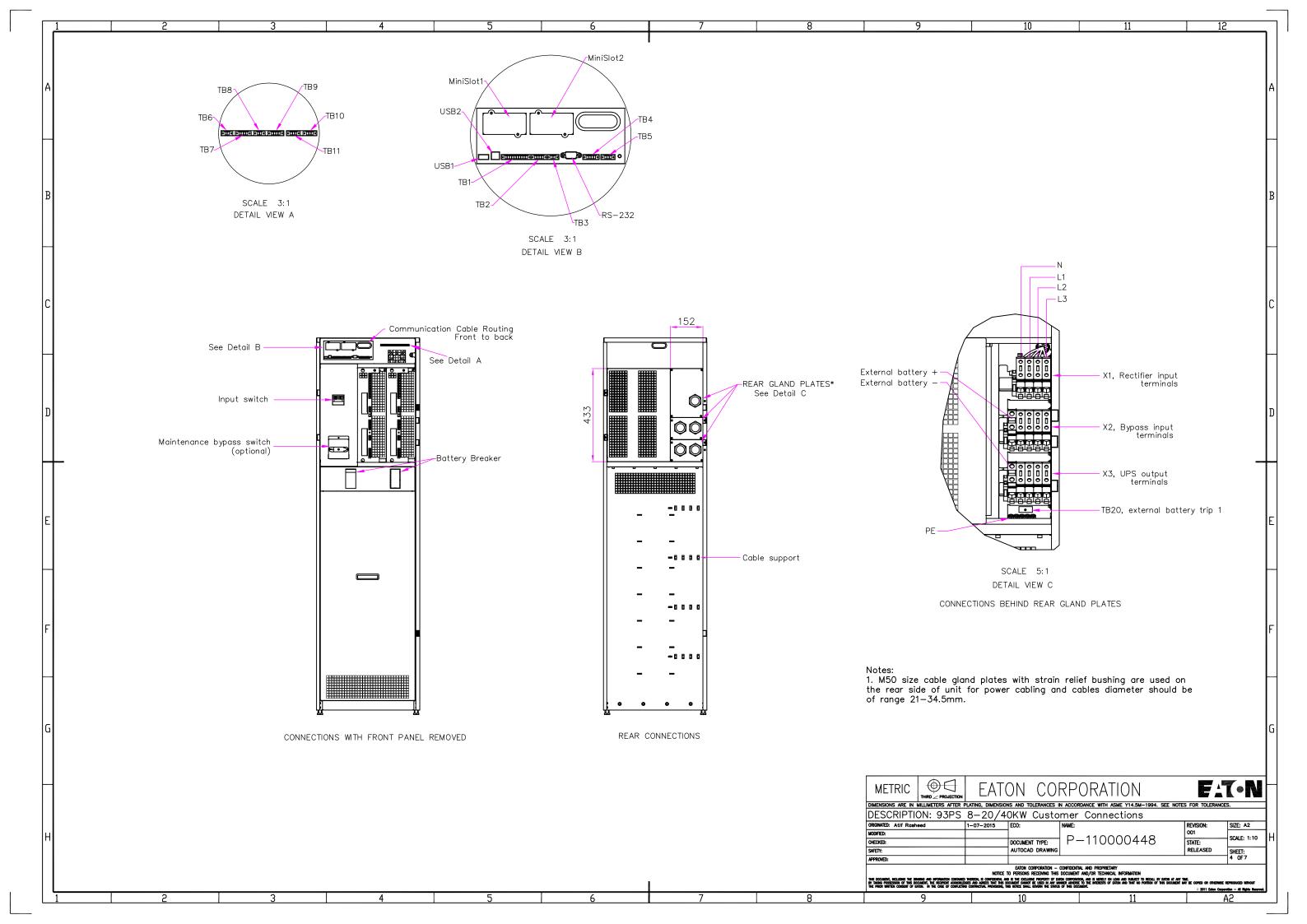
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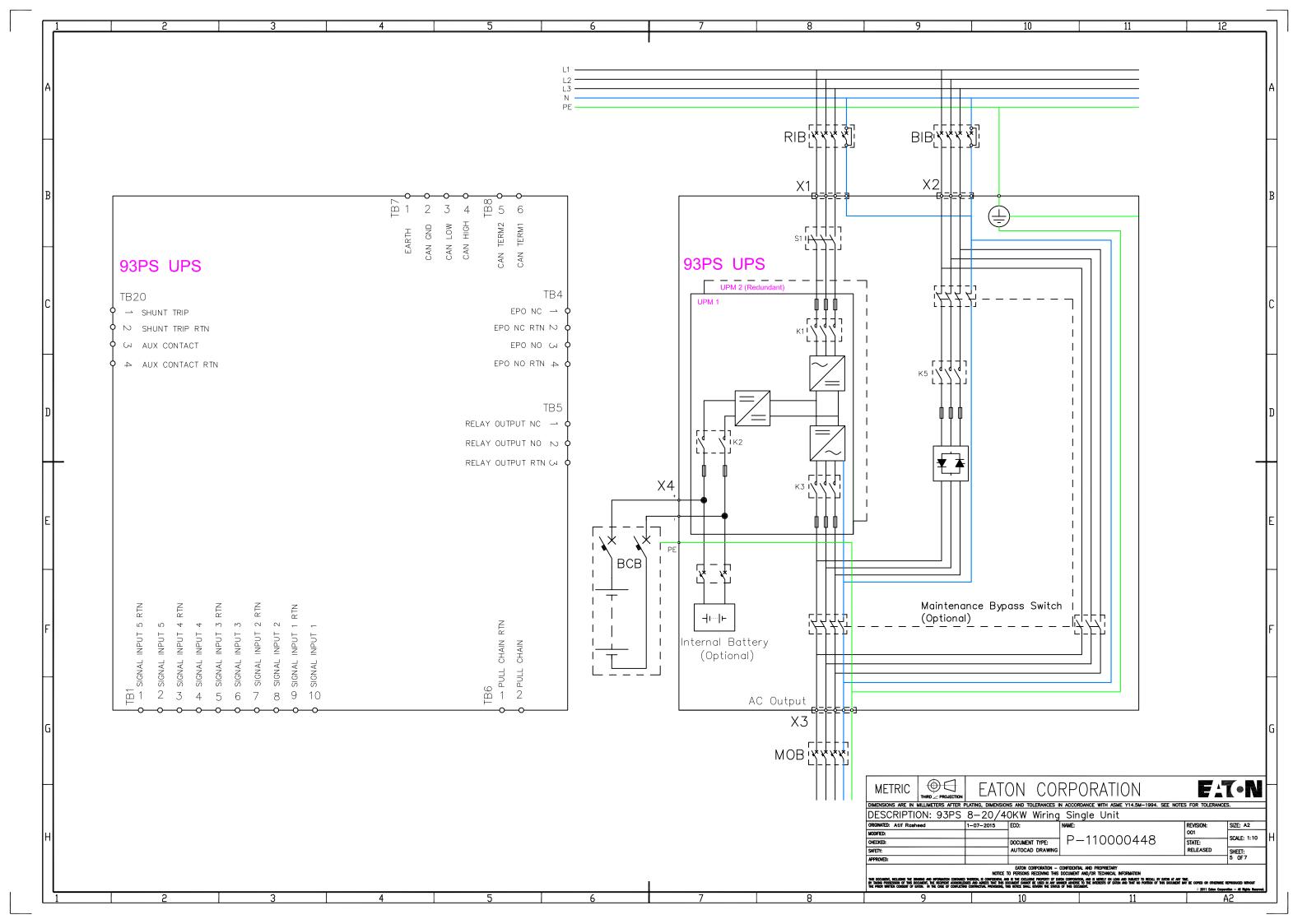
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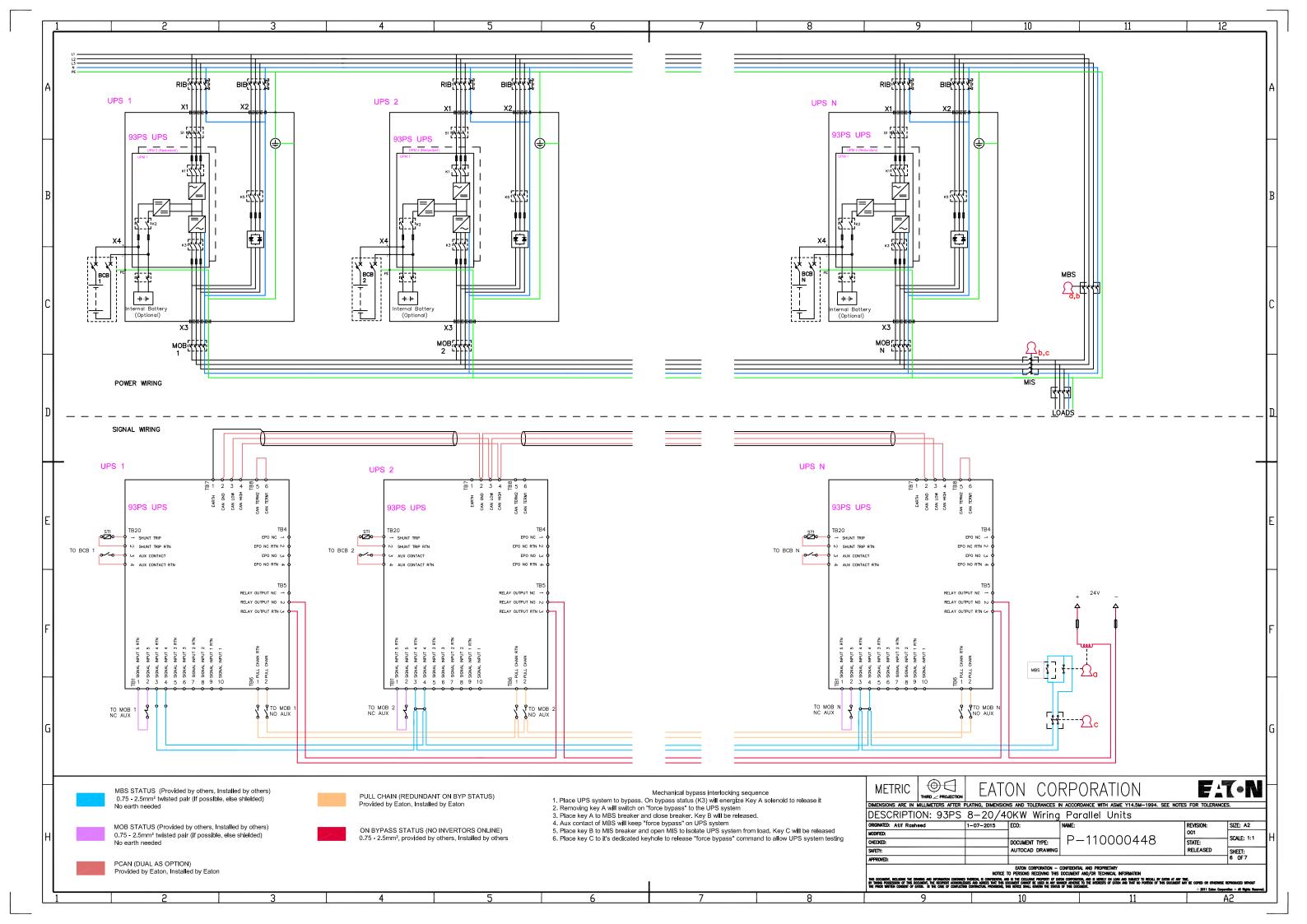












93PS 8-20KW/40KW Frame UPS Site Planning Data

	Product Specifications																		
			3P+Bolted N Rectifier Input Breaker (RIB) 3P+Bolted N Bypass Input Breaker (BIB) ⁷			4P Inverter AC output Breaker MOB			Battery Breaker (BCB) (Ratings at the end of discharge, 1.67VPC)				For Single Unit Maintenance Bypass Switch (MBS)	For Parallel Units Common Maintenance Bypass Switch (MBS)					
UPS	S Rating AC Input	AC Input	Nominal Current	Maximum Current	Nominal Current at 400v Input	Maximum Current at 15% under voltage	Integrated Bypass Fuse	AC Output	Output Current	Inverter Short Circuit Current	Auxiliary Switches	Rating	_	Common Battery Configration (UPSBattery)		Auxiliary Switches	Rating	Rating	Auxiliary Switches
KVA	KW	v	Α	Α	Α	А	Туре	V	Α	A / 300ms	Qty	VDC	А	А	VDC	Qty	А	А	Qty
8	8	400	12	18	12	17	200FEE	400	12	72	2	500	NA	143	24	1	12	12 x N	1
10	10	400	15	22	15	21	200FEE	400	15	72	2	500	NA	143	24	1	15	15 x N	1
15	15	400	23	29	22	32	200FEE	400	22	72	2	500	NA	143	24	1	22	22 x N	1
20	20	400	30	38	29	42	200FEE	400	29	72	2	500	NA	143	24	1	29	29 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*35	160	1*16			
10	4*4	20	20	1*6	1*35	160	1*16			
15	4*10	32	32	1*10	1*35	160	1*16			
20	4*10	50	40	1*10	1*35	160	1*16			

Notes:

- 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. The static bypass switch is rated to a maximum value of 59 Amperes, nominal current at 400v and 85 Amperes, maximum current at 15% under voltage. If using the bigger rating BIB than mentioned in the table, output cable thermal protection should be rechecked.
- 8. .For UPS installation that utilizes single feed input, The input breaker should be configured according to the rated rectifier input cu
- 9. 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.
- 10. Specifications are subject to change.

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