

SITE PLANNING DATA 93E 15-20KVA

Page 1 Packaging Dimensions

Page 2 Dimensional Drawings

Page 3 COG and Clearance Dimensions

Page 4 Customer Connections

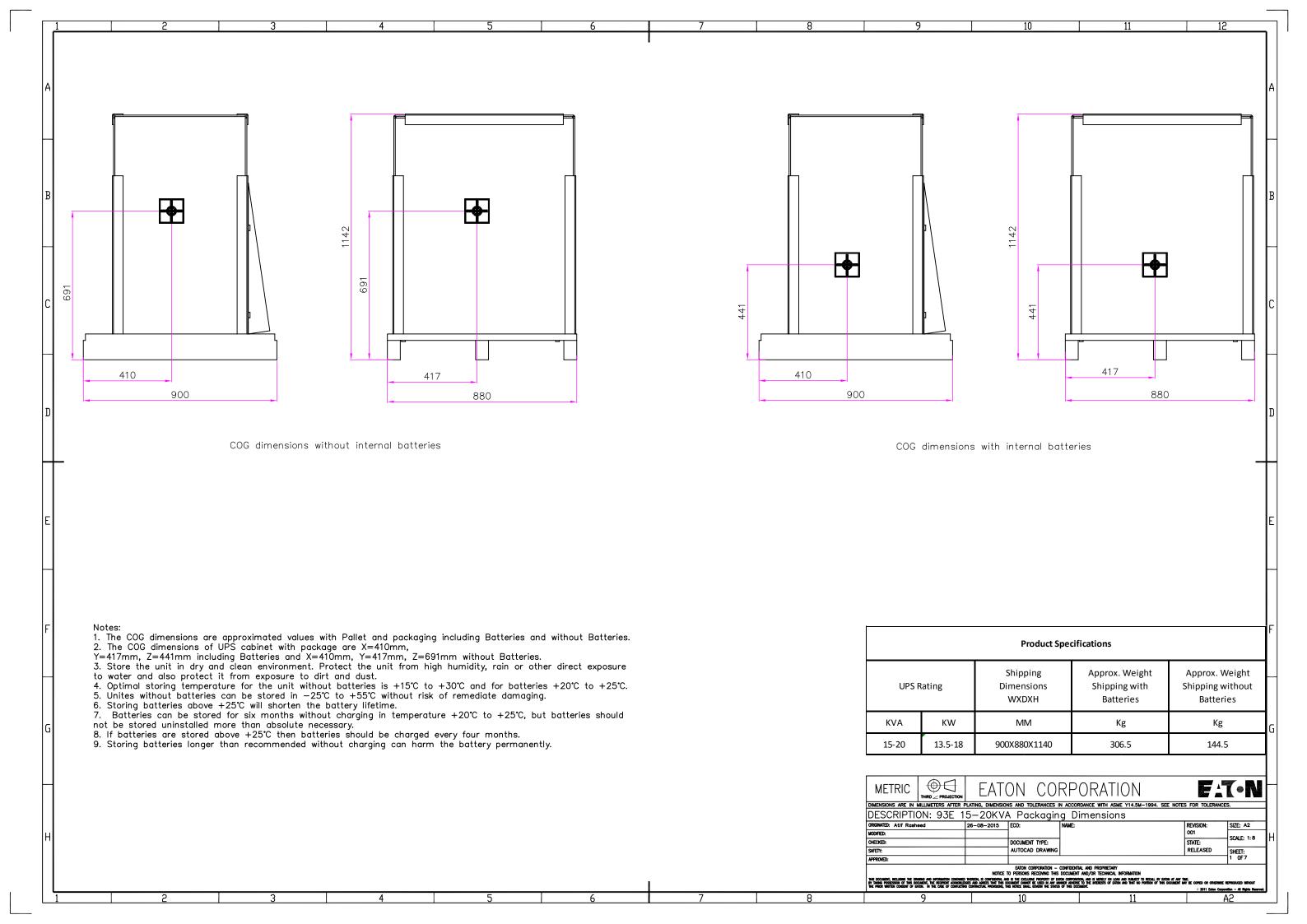
Page 5 Electrical Wiring of Single Unit

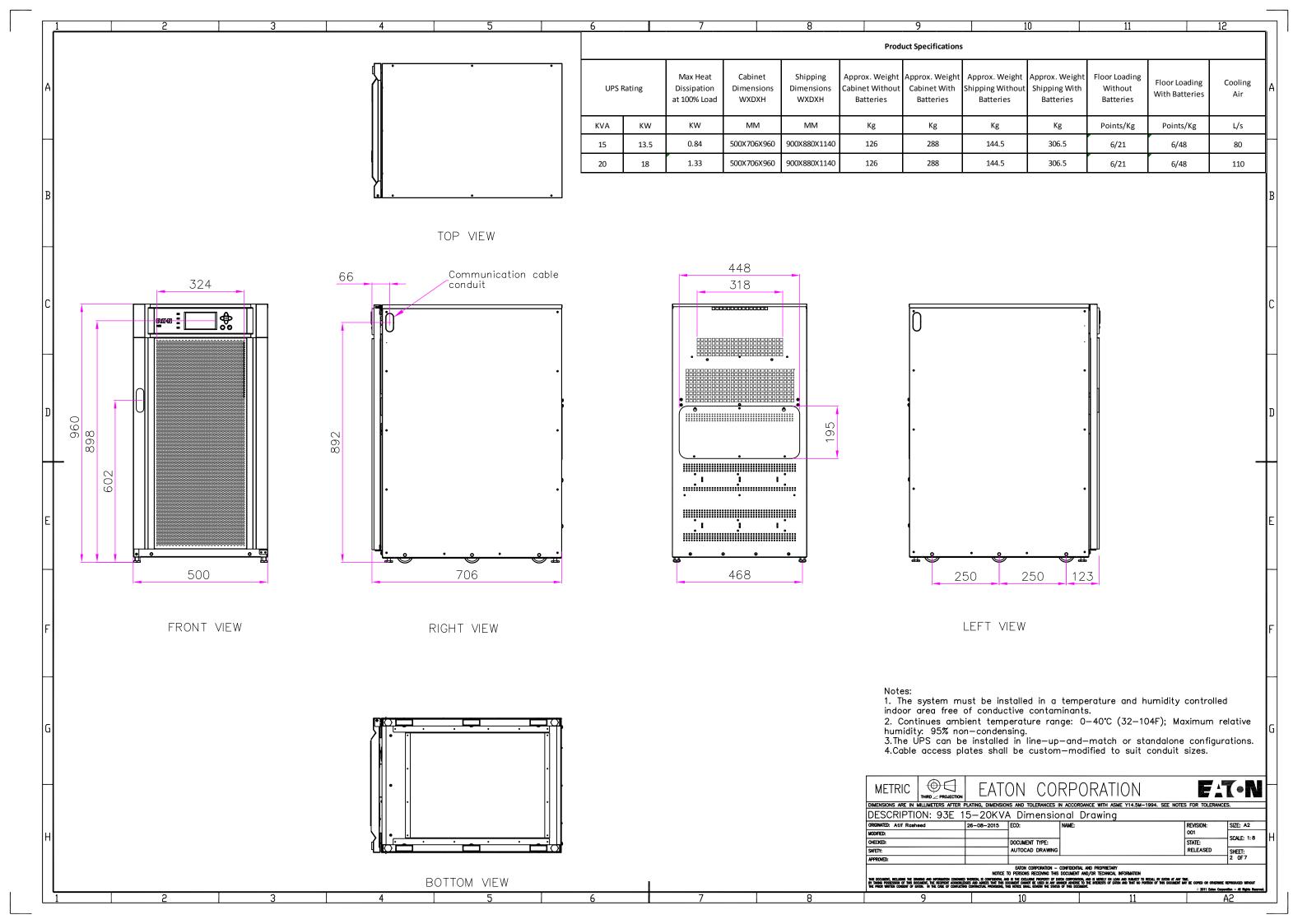
Page 6 Electrical & Signal Wiring of Parallel Units

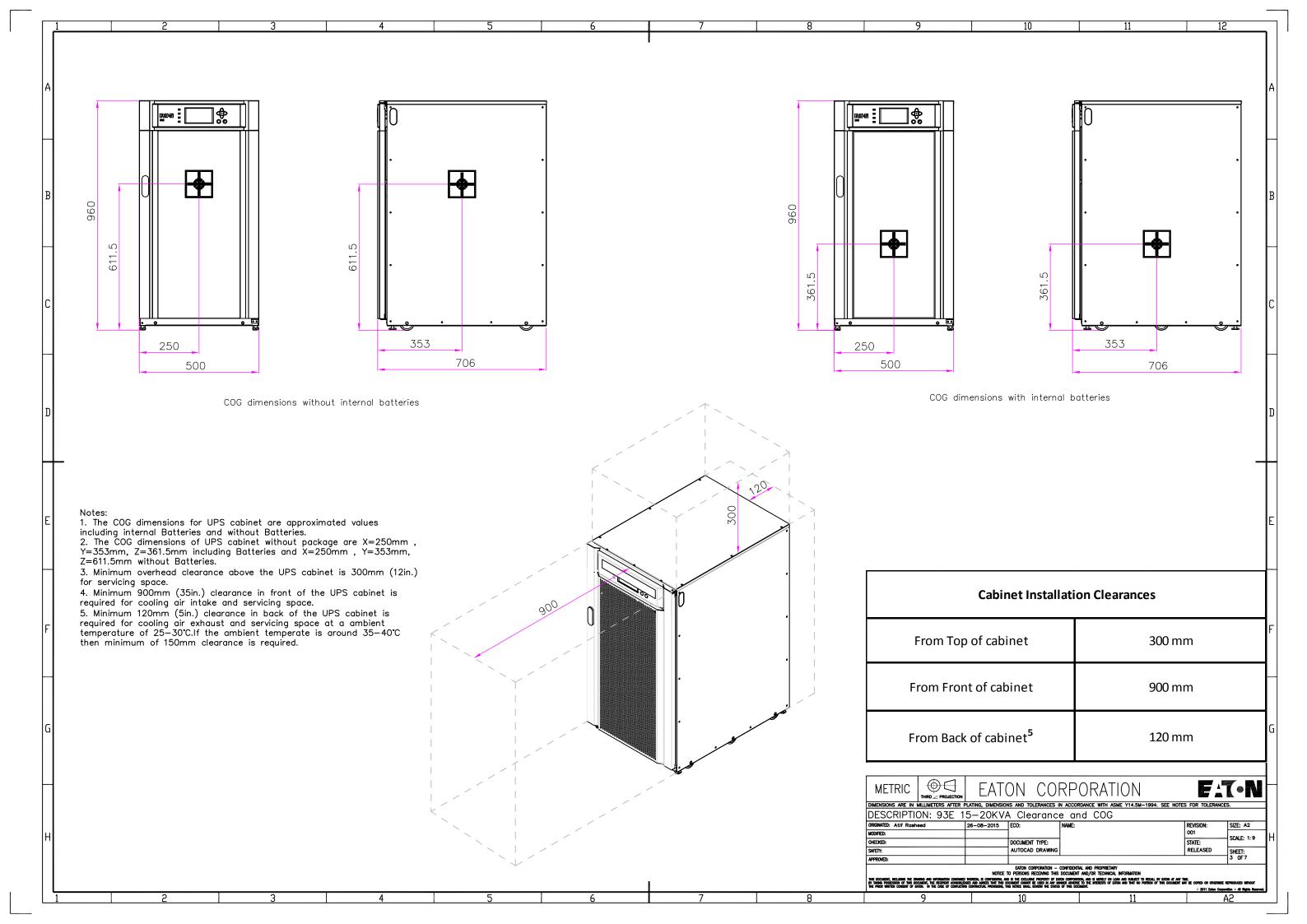
Page 7 Product Specifications

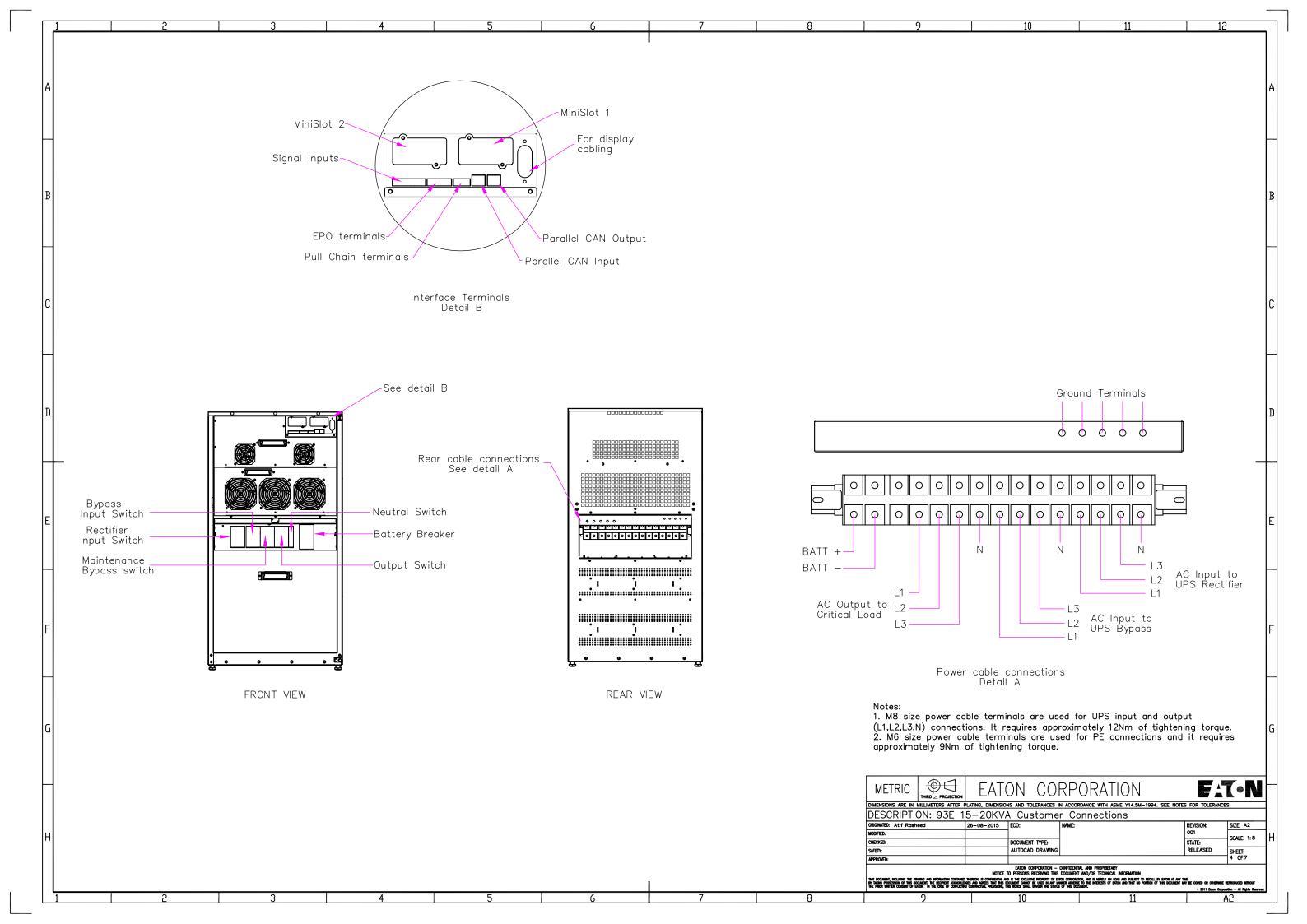


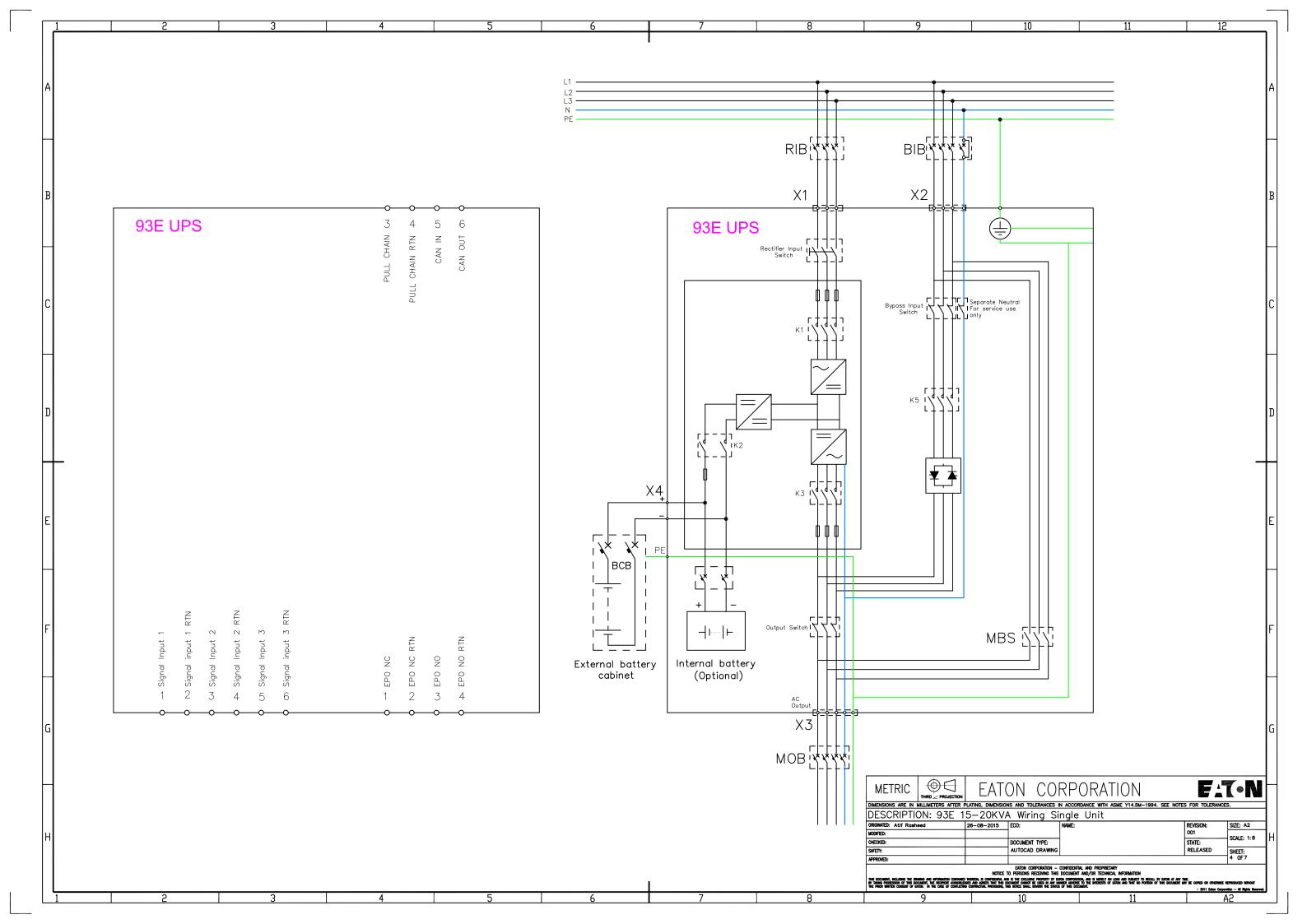
METRIC	THIRD \angle PROJECTION	EAT(ON CO	RPORATION						
DIMENSIONS ARE IN MILLIMETERS AFTER PLATING, DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994. SEE NOTES FOR TOLERANCES.										
DESCRIPTION: 93E 15-20KVA										
ORIGINATED: Atif Rashee	ed	28-08-2015	ECO:	NAME:	REVISION:	SIZE: A2				
MODIFIED:					001	SCALE: 1:1				
CHECKED:				STATE:	JUNEL, 11.1					
SAFETY:			AUTOCAD DRAWING		RELEASED	SHEET:				
APPROVED: OF										
CONTROL CORPORATION — CONFIDENTIAL AND PROPRIETARY NOTICE TO PERSONS RECEIVED THE DOCUMENT MAD/OR TECHNICAL INFORMATION NOTICE TO PERSONS RECEIVED THE DOCUMENT MAD/OR TECHNICAL INFORMATION THE DOCUMENT, INCLUDING THE DRIVEN OF THE DOCUMENT OF THE DOCU										
The Section Control of Column is the Column Control of Column in the Column Column in the Column Column in the Col										

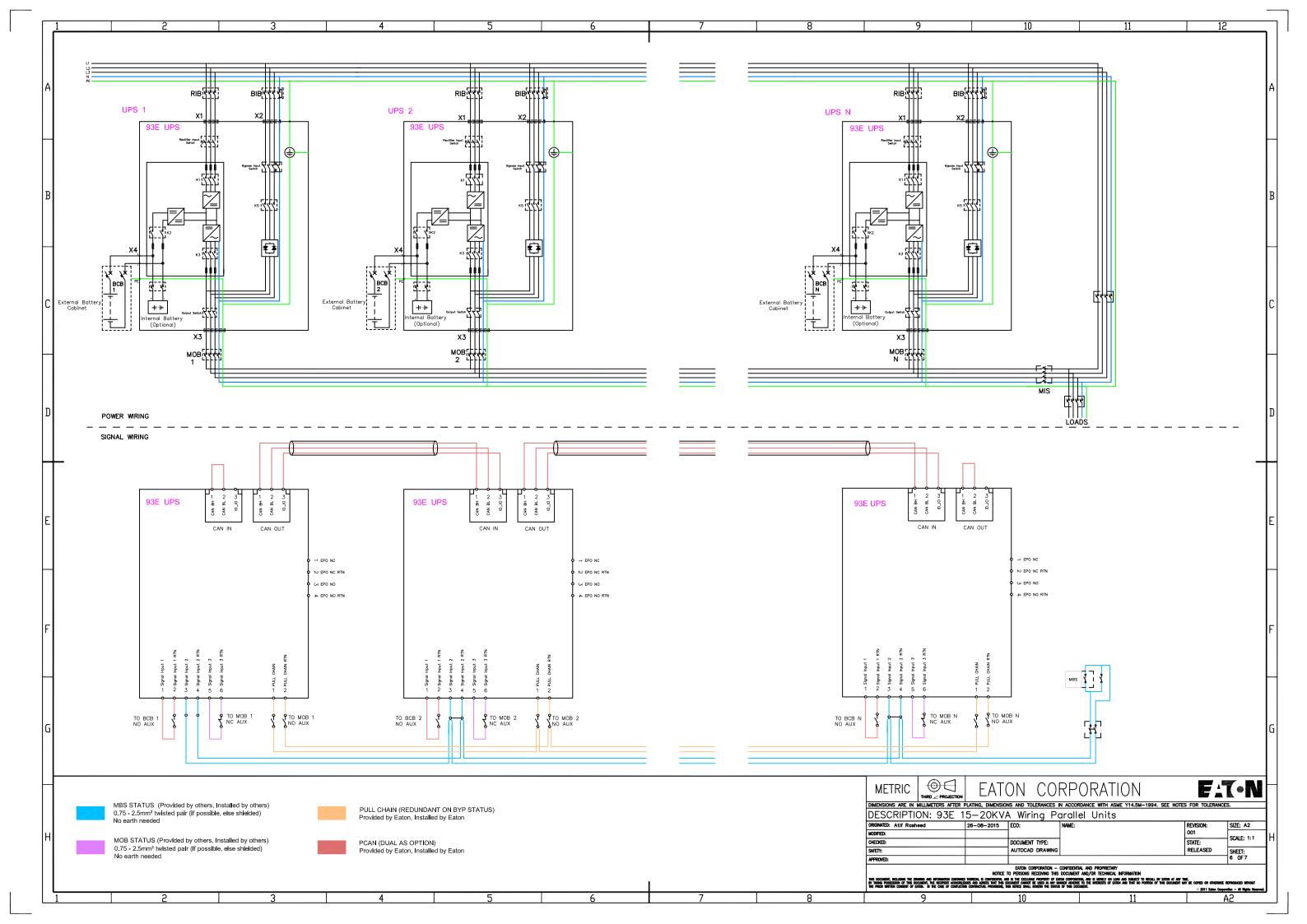












93E 15-20KVA UPS Site Planning Data

Product Specifications																	
	UPS Rating AC Inpu		3P 3P+Bolted N Rectifier Input Breaker (RIB) (BIB)		out Breaker		4P Inverter AC output Breaker MOB			Battery Breaker (BCB) (Ratings at the end of discharge, 1.67VPC) (32 Blocks)			For Single Unit Maintenance Bypass Switch (MBS)	Common M Bypass	llel Units Maintenance S Switch MBS)		
UPS		AC Input	AC Input Nominal Maximum Current Current	Nominal Current at 400v Input	Maximum Current at 15 % under voltage	AC Output	Output Current	Inverter shor	t circuit current	Auxiliary Switches	Rating	Battery end of discharge Current	Auxiliary Switches	Rating	Rating	Auxiliary Switches	
KVA	KW	v	А	А	Α	А	V	А	A / 0100ms	A / 100160ms	Qty	VDC	А	Qty	А	А	Qty
15	13.5	400	23	34	22	25	400	22	66	37	1	500	46	1	22	22 x N	1
20	18	400	31	34	29	33	400	29	66	37	1	500	61	1	29	29 x N	1

Minimum recommended cable and fuse sizes											
UPS RATING KVA	Rectifier Input Cable [mm²] (3P)	Rectifier Fuse [A]	Bypass Input Cable [mm²] (3P+N)	Bypass Fuse [A]	UPS Output Cable [mm²] (3P+N)	Output Fuse [A]	POS. & NEG. Line [mm²]	Battery Fuse [A]	PE Cable [mm²]		
15	1 x 10	40	1 x 6	25	1 x 6	25	1 x 16	63	1 x 10		
20	1 x 10	40	1 x 6	32	1 x 6	32	1 x 16	63	1 x 10		

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. 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.

METRIC	THIRD \angle PROJECTION	EAT	ON CO	RPORATION					
DIMENSIONS ARE IN	MILLIMETERS AFTER I	PLATING, DIMENSION	NS AND TOLERANCES I	N ACCORDANCE WITH ASME Y14.5M-1	1994. SEE NOTES FOR TOLERANCE	S.			
DESCRIPTION	ON: 93E 1	5-20KV	A Specifica	tions					
ORIGINATED: Atif Rash	eed	26-08-2015	ECO:	NAME:	REVISION:	SIZE: A2			
MODIFIED:			1		001	SCALE: 1:1			
CHECKED:			DOCUMENT TYPE:		STATE:	SCALE: 1:1			
SAFETY:			AUTOCAD DRAWING		RELEASED	SHEET:			
APPROVED:					•	7 OF7			
EXTON CORPORATION — CONFIDENTIAL AND PROPRIETARY NOTICE TO PROPOSE DESCRIPTION THIS DOCUMENT AND/OR TECHNICAL INFORMATION NOTICE TO PROPRIETARY NOTICE TO PRO									
	9		10	11		75			