

SITE PLANNING DATA 93E 30KVA

Page 1	Packaging Dimensions
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Page 2 Dimensional Drawings

Page 3 COG and Clearance Dimensions

Page 4 Customer Connections

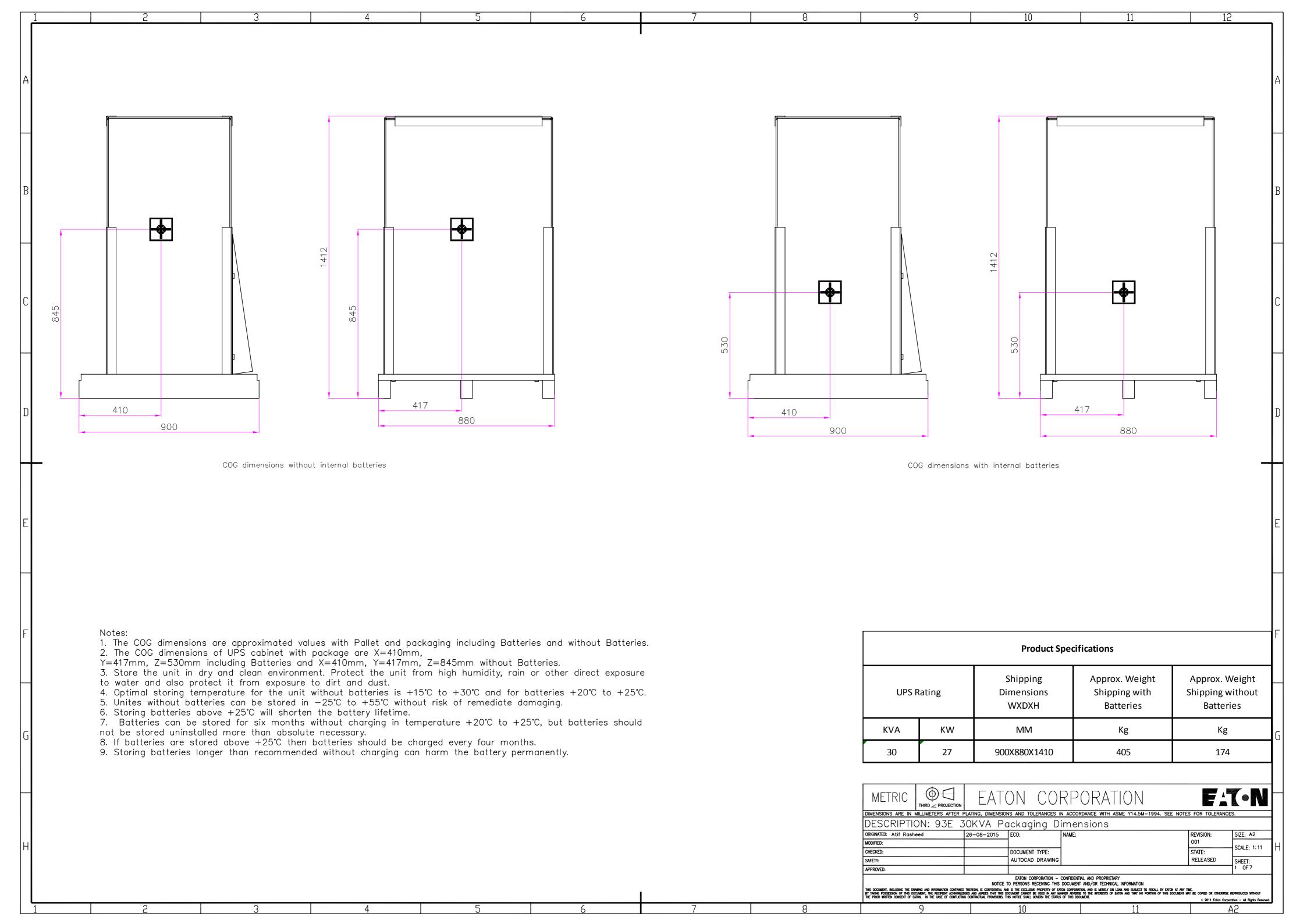
Page 5 Electrical Wiring of Single Unit

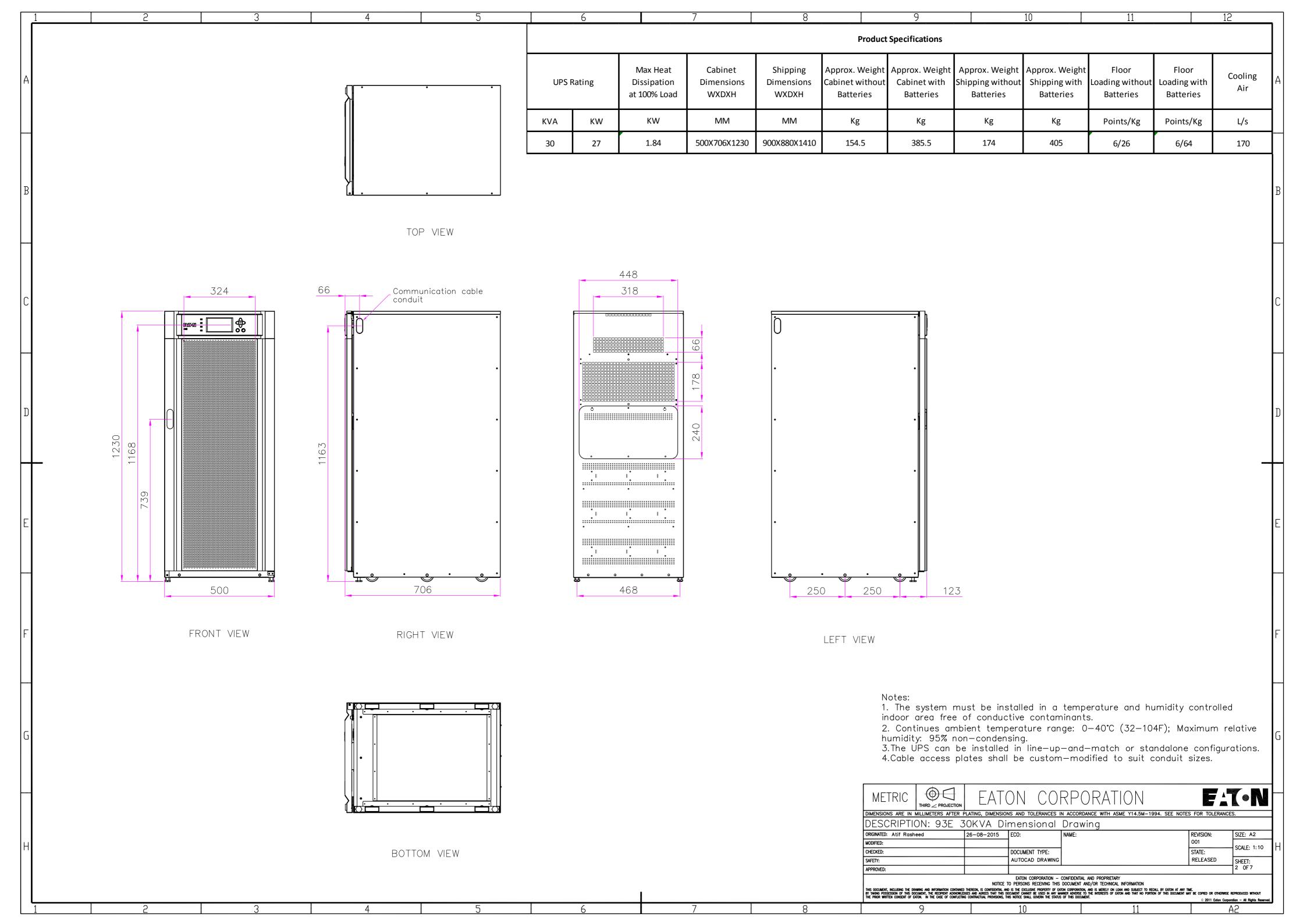
Page 6 Electrical & Signal Wiring of Parallel Units

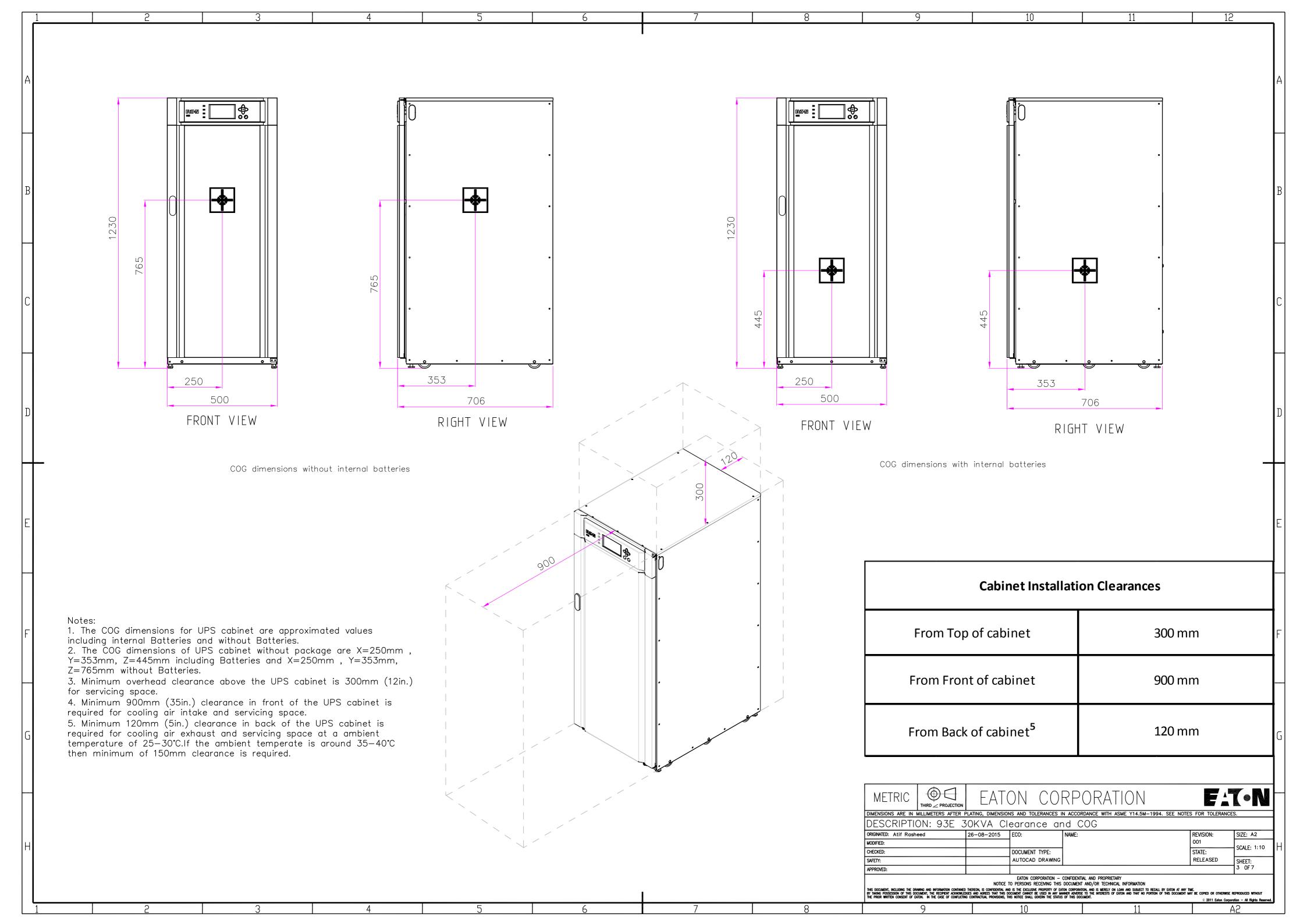
Page 7 Product Specifications

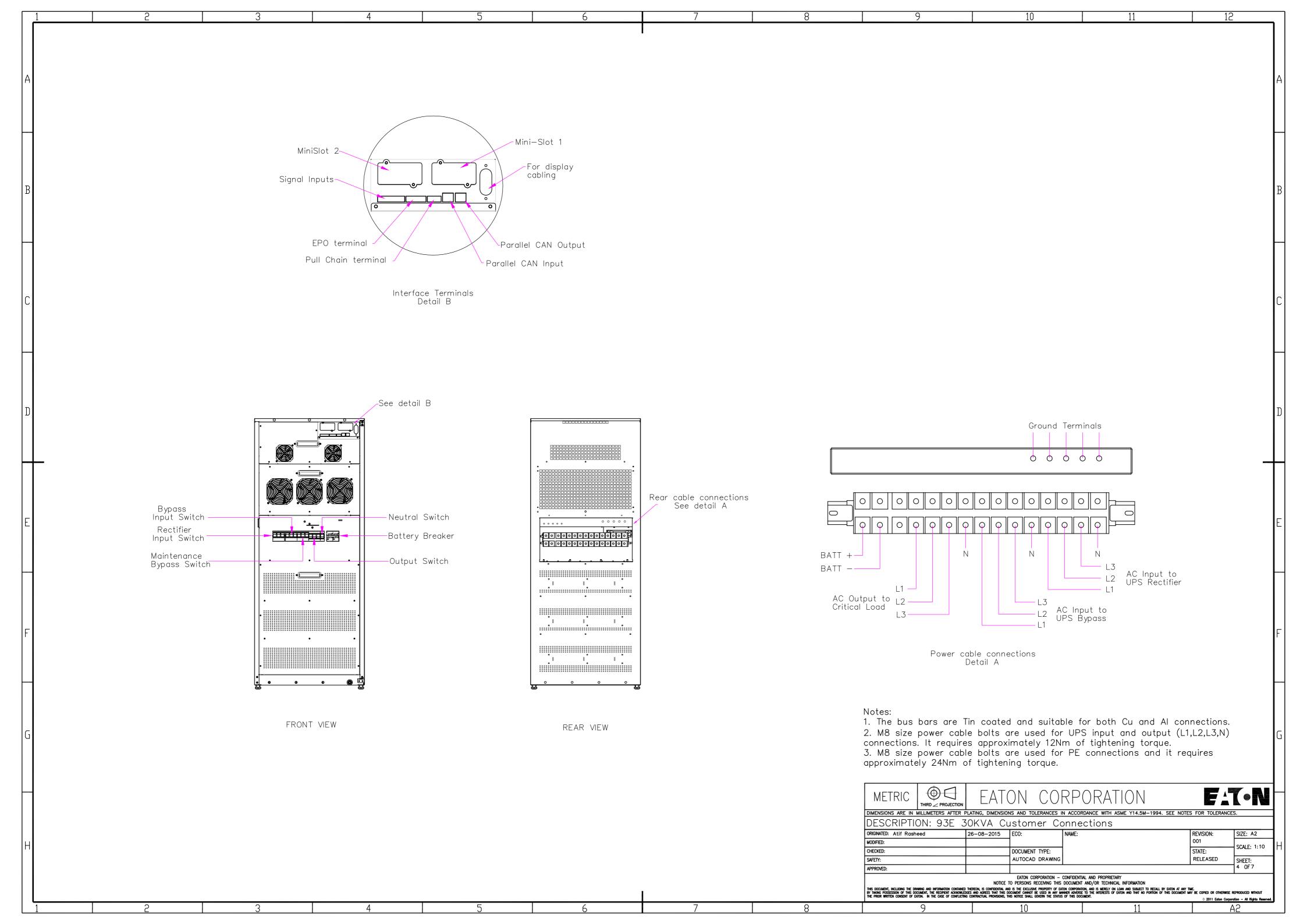


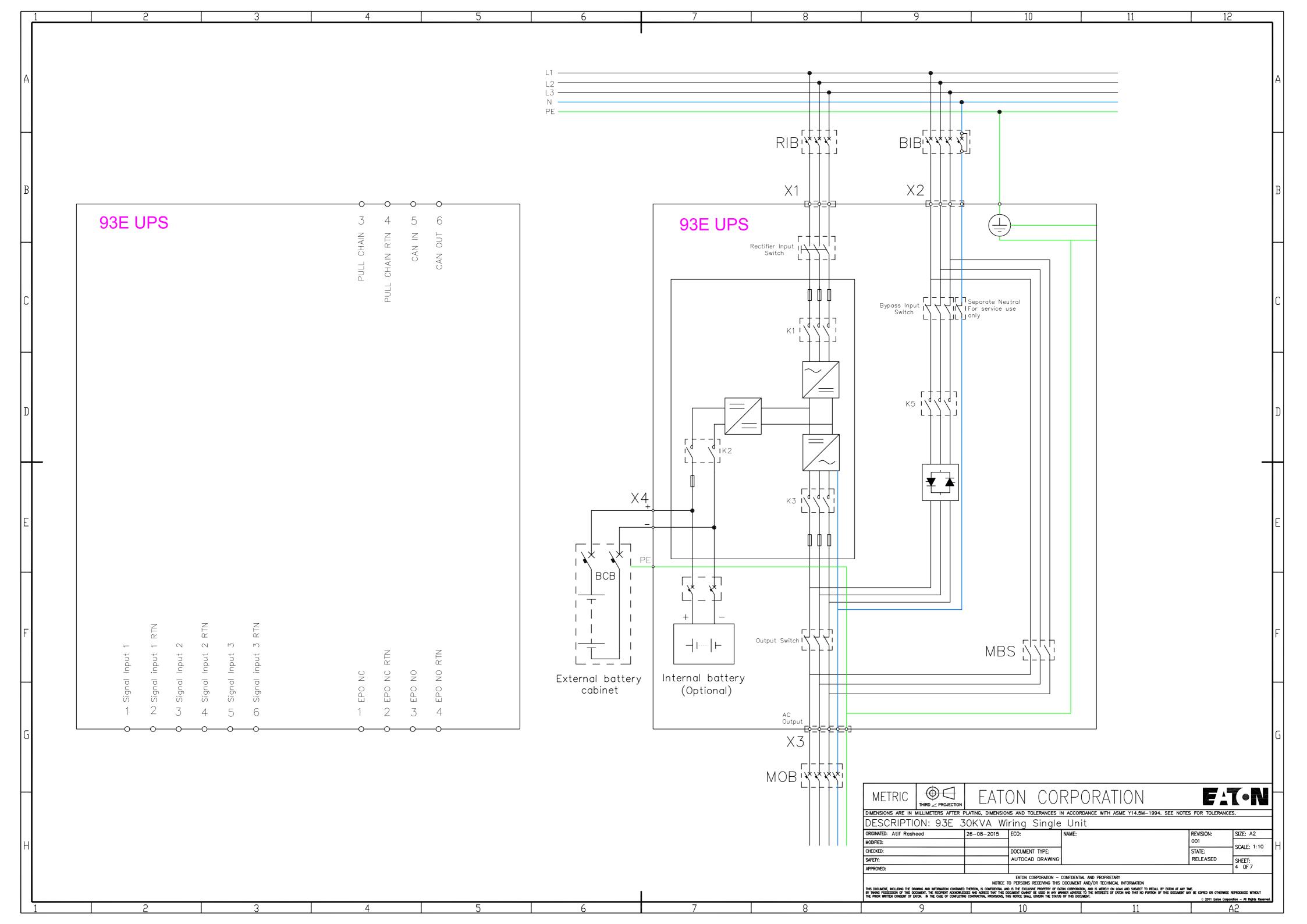
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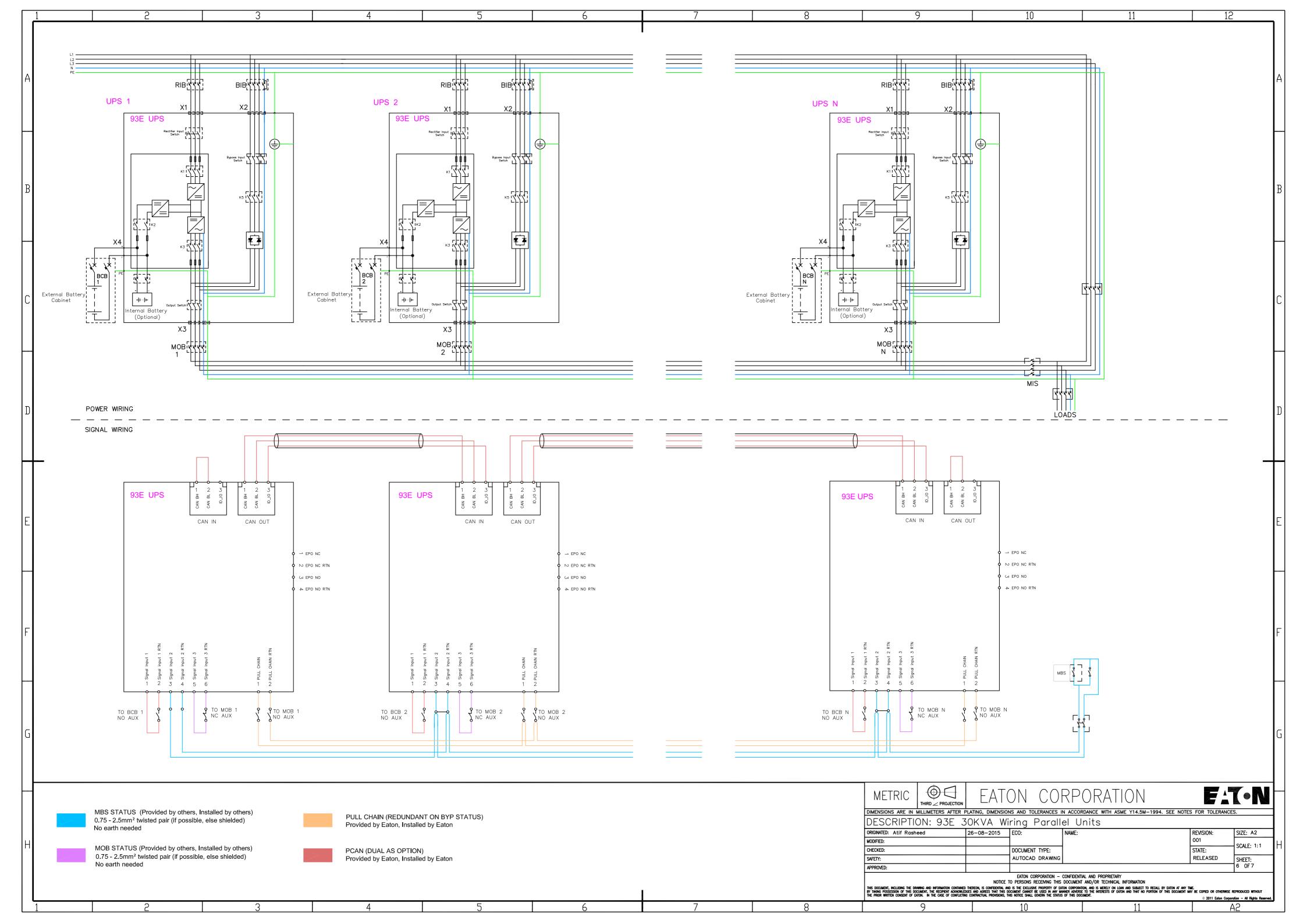












93E 30KVA UPS Site Planning Data **Product Specifications** For Single Unit For Parallel Units 3P Battery Breaker (BCB) 3P+Bolted N Maintenance Common Maintenance (Ratings at the end of discharge, 1.67VPC) Rectifier Input Breaker 4P Inverter AC output Breaker MOB Bypass Input Breaker (BIB) **Bypass Switch** Bypass Switch (RIB) (32 Blocks) (MBS) (MBS) **UPS Rating AC Input AC Output** Nominal Maximum Battery Nominal Maximum Output Auxiliary Auxiliary Auxiliary Current at 15% end of discharge Rating Current at Inverter Short Circuit Current Rating Rating Current Current Current Switches Switches Switches 400v Input under voltage Current A / 0...100ms A / 100...160ms Α VDC **KVA** Α Qty Qty Α Α Qty 400 80 30 27 400 46 51 43 50 43 51 500 92 43 43x N 1 1 1 Minimum recommended cable and fuse sizes Recharge curent **UPS Output** Rectifer Input **Bypass Input Default Recharge** Maximum Recharge Cable [mm²] Rectifier Fuse [A] Cable [mm²] Output Fuse [A] POS. & NEG. Line [mm²] Battery Fuse [A] PE Cable [mm²] **UPS RATING KVA** Cable [mm²] Bypass Fuse [A] Current [A] Current [A] (3P) (3P+N) (3P+N) 63 30 50 50 8 8 1 x 16 1 x 10 1 x 10 1 x 25 100 1 x 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. FATON EATON CORPORATION THIRD Z PROJECTION DESCRIPTION: 93E 30KVA Specifications ORIGINATED: Atif Rasheed 26-08-2015 ECO: SIZE: A2 SCALE: 1:1 CHECKED: DOCUMENT TYPE: AUTOCAD DRAWING RELEASED SHEET: APPROVED: EATON CORPORATION - CONFIDENTIAL AND PROPRIETARY NOTICE TO PERSONS RECEIVING THIS DOCUMENT AND/OR TECHNICAL INFORMATION CONFIDENTIAL AND IS THE EXCLUSIVE PROPERTY OF ENTON CORPORATION, AND IS MERELY ON LOAN AND SUBJECT TO RECALL BY EATON AT ANY TIME. ES THAT THIS DOCUMENT COMNOT BE USED IN ANY MANNER ADVERSE TO THE INTERESTS OF EATON AND THAT NO PORTION OF THIS DOCUMENT MAY BE COPIED OR OTHERWISE REPRODUCED WITHOUT PROVISIONS, THIS DOCUMENT. PROVISIONS, THIS NOTICE SHALL GOVERN THE STATUS OF THIS DOCUMENT.

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