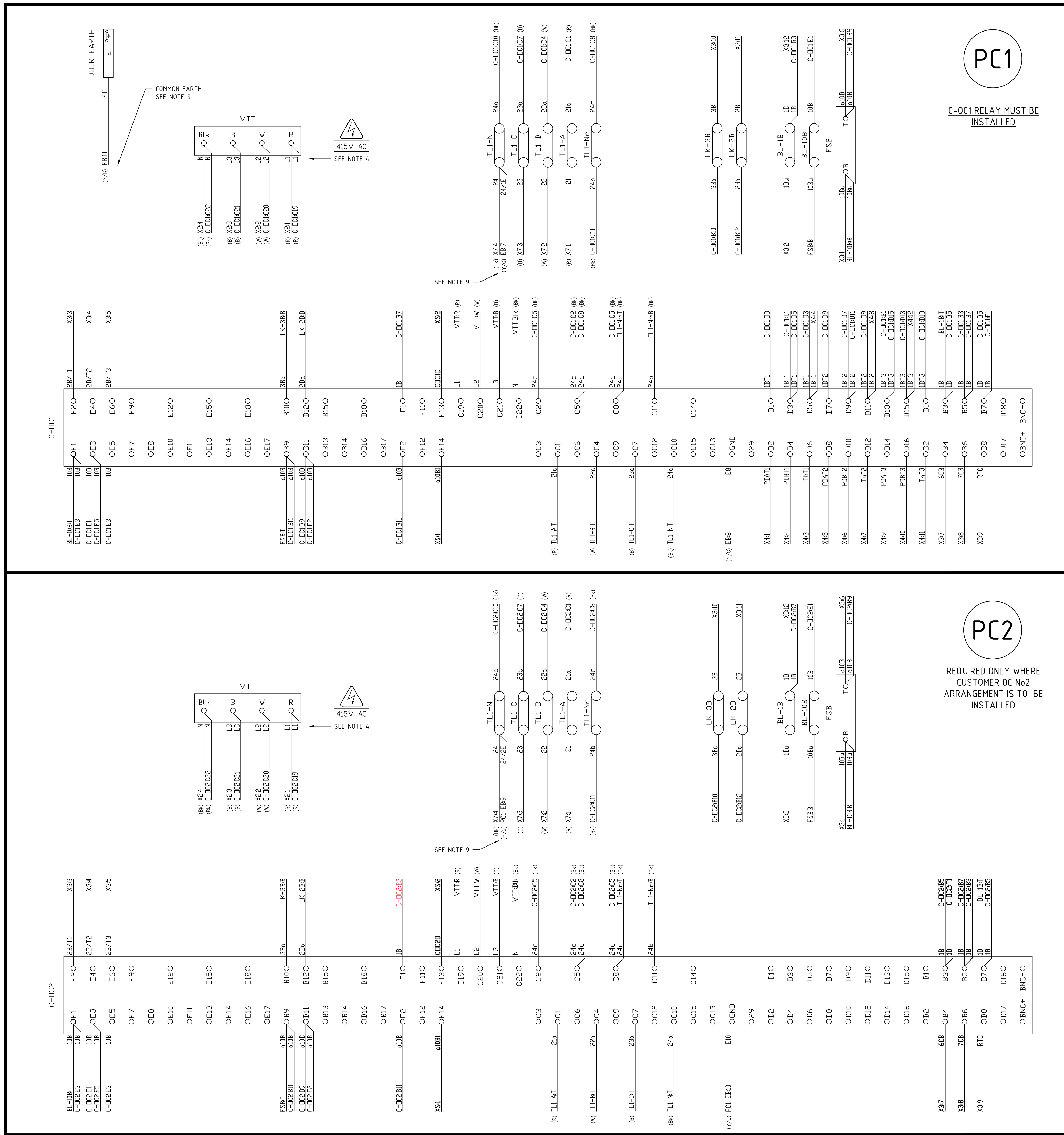
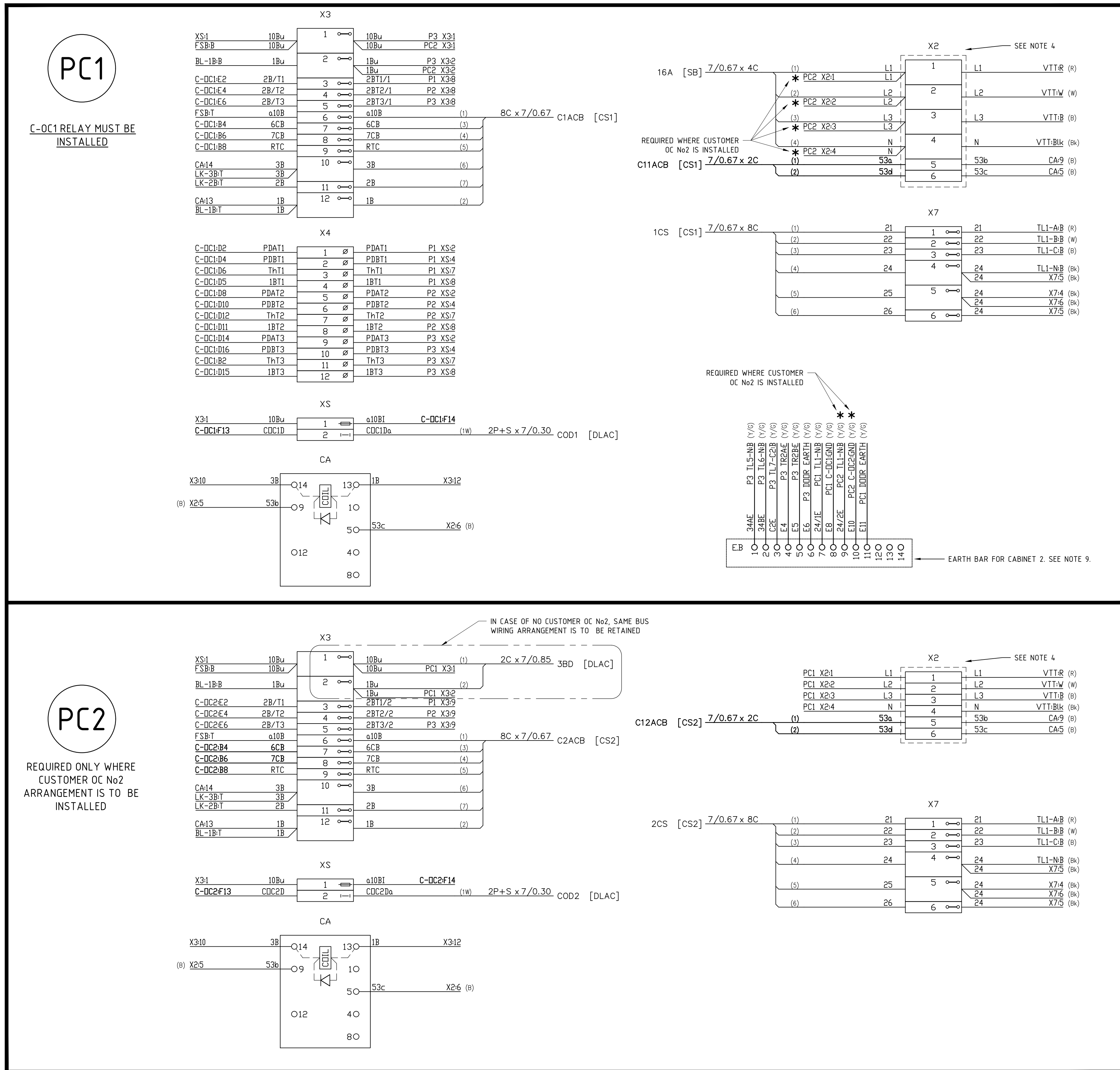


CUSTOMER OC No.1 (TOP) & No.2 (BOTTOM) PROTECTION PANEL DOOR (REAR VIEW)



CUSTOMER OC No.1 (TOP) & No.2 (BOTTOM) PROTECTION PANEL DOOR (REAR VIEW)



NOTES:

- LINKS SHOULD BE MOUNTED SO THAT THE MOVEABLE LINK FALLS OPEN WHEN RELEASED.
- NUMBERING ON BATTERY AND TEST LINKS REFERS TO LINK IDENTIFICATION AS SHOWN ON THE ASSOCIATED AC & DC PROTECTION SCHEMATICS, SEE DRAWING REFERENCE TABLE.
- ALL PANEL WIRING IS TO BE AS LISTED HERE:
 - DC WIRING IS TO BE 7/0.50, 0.6kV GRADE PVC INSULATED COLOURED GREY.
 - EARTH WIRING IS TO BE 7/0.67, 0.6kV GRADE PVC INSULATED COLOURED GREEN/YELLOW (Y/G).
 - A PHASE CT AND AC WIRING IS TO BE 7/0.67, 0.6kV GRADE PVC INSULATED COLOURED RED (R).
 - B PHASE CT AND AC WIRING IS TO BE 7/0.67, 0.6kV GRADE PVC INSULATED COLOURED WHITE (W).
 - C PHASE CT AND AC WIRING IS TO BE 7/0.67, 0.6kV GRADE PVC INSULATED COLOURED BLUE (B).
 - EARTH CT AND NEUTRAL AC WIRING IS TO BE 7/0.67, 0.6kV GRADE PVC INSULATED COLOURED BLACK (Bk).
- TERMINALS, INSULATED TEST PANEL SOCKETS AND RELAY CONNECTIONS ARE TO BE FITTED WITH CAUTION LABELS TO WARN OF THE 415V/240 AC HAZARD. ANY EXPOSED TERMINALS ARE TO BE APPROPRIATELY COVERED.
- ALL WIRING TO HAVE IDENTIFICATION FERRULES FITTED AT BOTH ENDS OF WIRE ADJACENT TO TERMINALS WHERE POSSIBLE. WIRE IDENTIFICATION CODES TO BE IN ACCORDANCE WITH THIS DRAWING.
- TEST LINKS (TL) TO BE WIRED N-C-B-A LEFT TO RIGHT WHEN VIEWED FROM THE REAR OF THE PANEL.
- THE WIRING SHOWN IS BASED ON THE RELAYS LISTED IN THE LEGEND.
- PANEL DOOR LAYOUT IS REPRESENTATIVE, FOR ACTUAL DOOR LAYOUT SEE DWG 227381.
- SHOWN ARE THE WIRING CONNECTIONS TO THE EARTH BAR FOR CUSTOMER OC PROTECTION PANEL IN SECOND PROTECTION CABINET. THE EARTH BAR IS COMMON TO Tx No.3, CUSTOMER OC No.1 AND CUSTOMER No.2 PROTECTION PANELS.
- FOR INTER-PANEL WIRING THE WIRE DESTINATIONS ARE PREFIXED WITH THE DESTINATION PANELS. ABBREVIATION FOR EXAMPLE "P3 X3.1" MEANS IT WILL TERMINATE IN THE THIRD TX PROTECTION PANEL ON THE X3 TERMINAL RAIL, TERMINAL 1. SEE PANEL ABBREVIATION TABLE.

TITLE	DWG No.
EPOXY RESIN ENCASED PROTECTION CURRENT TRANSFORMER OUTLINE AND DETAILS	125190
RMCB SUBSTATIONS WITH E TYPE LV BOARD WITH OPTICAL ARC FLASH DETECTION FIBRE LOOPING AND GENERAL MOUNTING DETAILS	227350 S45
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD CUSTOMER ACB INTERNAL WIRING AND ACB PANEL CONTROL WIRING SCHEMATIC	227390 S42
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD TRANSFORMER ACB INTERNAL WIRING AND ACB PANEL CONTROL WIRING SCHEMATIC	227390 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No.1 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLEING DIAGRAM	227389 S42
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No.1 & No.2 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLEING	227389 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL LAYOUT AND LABEL DETAILS	227389 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD 550kVA TX'S AND VENTILATION FAN AC SERVICE BOARD LAYOUT, WIRING, & CONNECTIONS	227387 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLE SCHEDULE	227386 S42
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLING DIAGRAM	227386 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD CUSTOMER OC No.1 & No.2 PROTECTION PANEL WIRING AND CABLE CONNECTIONS	227385 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OIL TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL CABLE CONNECTION DIAGRAM	227384 S42
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DRY TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL CABLE CONNECTION DIAGRAM	227384 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OIL TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL WIRING DIAGRAM	227383 S42
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DRY TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL WIRING DIAGRAM	227383 S41
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD & OAFD, TRANSFORMERS AND CUSTOMER OVERCURRENT PROTECTION FREE STANDING PANELS LABEL DETAILS	227382 S41
CITY DISTRIBUTION SUBSTATIONS WITH OPTICAL ARC FLASH DETECTION (E TYPE LV) TRANSFORMERS AND CUSTOMER OVERCURRENT FREE STANDING PANELS LAYOUT DETAILS	227381 S41
CITY DISTRIBUTION SUBS WITH E TYPE LV BOARD AND OAFD, DLAC PANEL SCHEMATIC, GENERAL DC SUPPLIES INTER-PANEL WIRING, FIBRE COMPS & CABLEING DIAGRAM	227380 S44
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CUSTOMER OVERCURRENT DC SCHEMATIC	227380 S43
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, & OPTICAL ARC FLASH DETECTION TRANSFORMER DC SCHEMATIC	227380 S42
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION AC SCHEMATIC	227380 S41

REFERENCE DRAWINGS

SCALE	AS SHOWN
DESIGNED	-
DRAWN	E.KAIROUZ / L.MARTINUZZI
CHECKED	L.MARTINUZZI
APPROVED	M.BENNETT
DATE	24/02/2015
TRIM REF	-
PROJECT NUMBER	-
ISSUED FOR CONSTRUCTION ISSUE	-
DRAWING No	227385
SHEET	1
AMD	4
SIZE	A0

CITY DISTRIBUTION SUBSTATIONS
WITH E TYPE LV BOARD
AND OPTICAL ARC FLASH DETECTION
CUSTOMER OC No.1 (& No.2) PROTECTION PANEL
WIRING AND CABLE CONNECTIONS