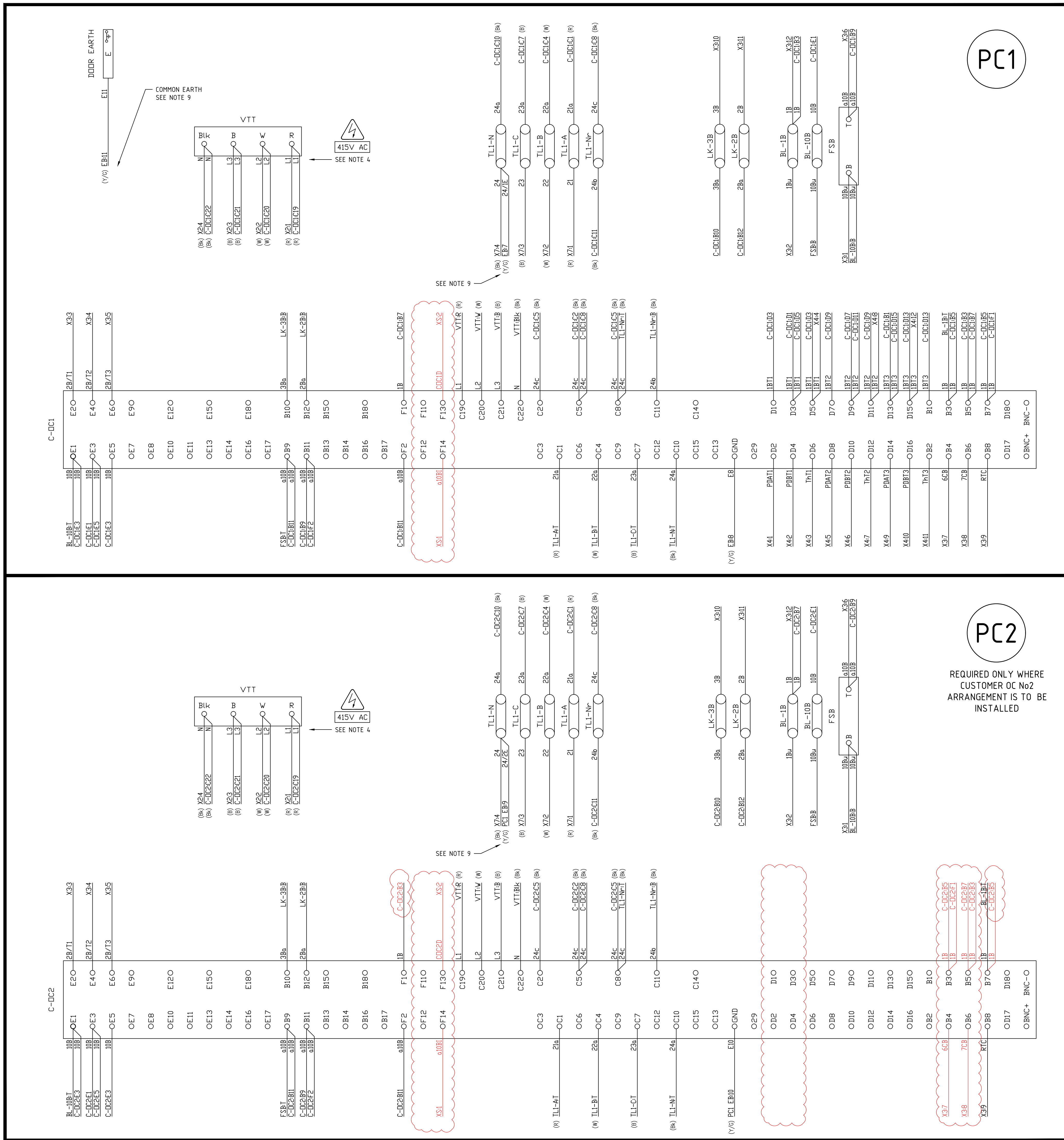
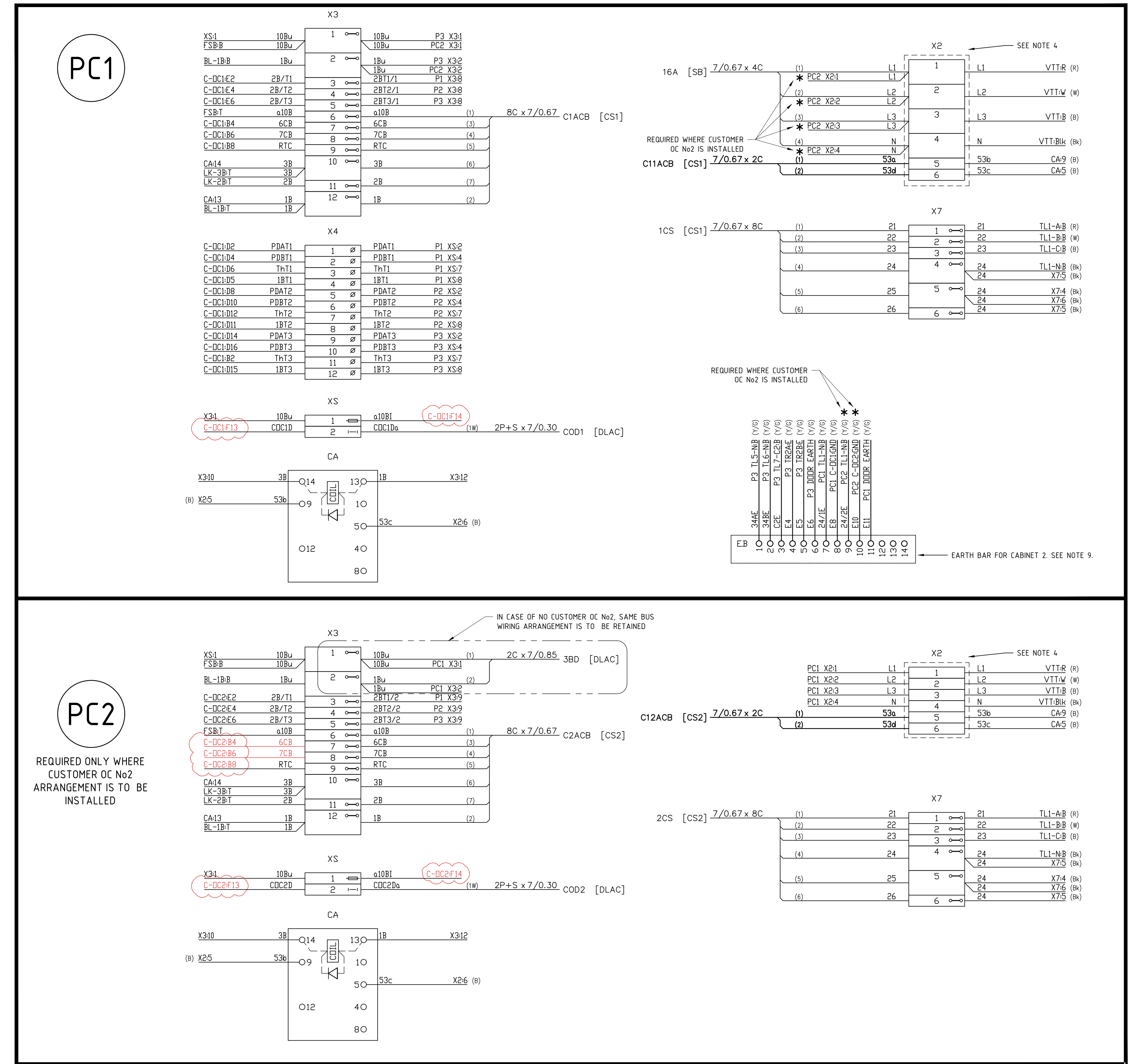


CUSTOMER OC No.1 (TOP) & No.2 (BOTTOM) PROTECTION PANEL DOOR (REAR VIEW)



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/GI).
 - 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 (B).
- 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 X31' 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 SH5
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND DAFO CUSTOMER ACB INTERNAL WIRING AND ACB PANEL CONTROL WIRING SCHEMATIC	227390 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND DAFO TRANSFORMER ACB INTERNAL WIRING AND ACB PANEL CONTROL WIRING SCHEMATIC	227390 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DAFO, & CUSTOMER OC No.1 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING DIAGRAM	227389 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DAFO, & CUSTOMER OC No.1 & No.2 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING	227389 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND DAFO DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL LAYOUT AND LABEL DETAILS	227388 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND DAFO 500kVA TX'S AND VENTILATION FAN AC SERVICE BOARD LAYOUT, WIRING, & CONNECTIONS	227387 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLE SCHEDULE	227386 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLING DIAGRAM	227386 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND DAFO CUSTOMER OC No.1 & No.2 PROTECTION PANEL WIRING AND CABLE CONNECTIONS	227385 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OIL TYPE TX, & DAFO, TRANSFORMER PROTECTION PANEL CABLE CONNECTION DIAGRAM	227384 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OIL TYPE TX, & DAFO, TRANSFORMER PROTECTION PANEL CABLE CONNECTION DIAGRAM	227384 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DRY TYPE TX, & DAFO, TRANSFORMER PROTECTION PANEL WIRING DIAGRAM	227383 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DRY TYPE TX, & DAFO, TRANSFORMERS AND CUSTOMER OVERCURRENT PROTECTION FREE STANDING PANELS LABEL DETAILS	227382 SH1
CITY DISTRIBUTION SUBSTATIONS WITH OPTICAL ARC FLASH DETECTION (E TYPE LV) TRANSFORMERS AND CUSTOMER OVERCURRENT PROTECTION FREE STANDING PANELS LABEL DETAILS	227381 SH1
CITY DISTRIBUTION SUB WITH E TYPE LV BOARD AND DAFO, DLAC PANEL SCHEMATIC, GENERAL DC SUPPLIES INTER-PANEL WIRING, FIBRE COMMS & CABLING DIAGRAM	227380 SH4
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CUSTOMER OVERCURRENT DC SCHEMATIC	227380 SH3
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, & OPTICAL ARC FLASH DETECTION TRANSFORMER DC SCHEMATIC	227380 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION AC SCHEMATIC	227380 SH1

REFERENCE DRAWINGS

<p>24 Campbell Street SYDNEY NSW 2000 P. 9272 3805</p>	SCALE	AS SHOWN	<p>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</p> <p>DRAWING No 227385 SHEET 1 AMD 2 SIZE A0</p>	
	DESIGNED	-		
	DRAWN	E.KAIROUZ / L.MARTINUZZI		
	CHECKED	L.MARTINUZZI		
	APPROVED	M.BENNETT		
DATE	24/02/2015	ISSUED FOR CONSTRUCTION	PROJECT NUMBER	-

TAGNAME	MFG	CATNO	DESC	REF DWG
BL, TL	EUGAQUIP	M00001	MOULDED TYPE MS BATTERY/TEST LINK	507111
C-DC1, C-DC2	SCHNEIDER ELECT.	M010M P112	OVERCURRENT & EARTH FAULT RELAY	224809
EB	ALSTOM	RS20P-Black	EARTH BAR	-
FSB	ALSTOM	RS20P-Black	FUSE - STUD BACK CONNECTED	-
VTT	MULTI CONNECT (RS COMPONENTS)	SLB4-G	INSULATED TEST PANEL SOCKETS (x WED 23 3002 22 (140-244) x WIT 23 3022 29 (144-250) x BLUE 23 3022 23 (144-250) x BL 44K 23 3022 21 (144-250))	231226
X3, X7	UTILILUX	3820	RAIL MOUNTED TERMINAL	118547
X2	UTILILUX	H2238	RAIL MOUNTED TERMINAL - ORANGE	-
X4	WIEDMULLER	SAK 2.5	RAIL MOUNTED TERMINAL CAT No. 27966	-
X5	WIEDMULLER	SAK 1	RAIL MOUNTED FUSE CAT No. 37676	-
X5	WIEDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-

CS1	CS2	DLAC	P1	P2	P3	PC1	PC2	SB
CUSTOMER SUPPLY No.1 PANEL	CUSTOMER SUPPLY No.2 PANEL	DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL	FIRST TRANSFORMER PROTECTION PANEL	SECOND TRANSFORMER PROTECTION PANEL	THIRD TRANSFORMER PROTECTION PANEL	CUSTOMER OVERCURRENT No.1 PROTECTION PANEL	CUSTOMER OVERCURRENT No.2 PROTECTION PANEL	SERVICE BOARD

1. BARRIER & TITLE BLOCK UPDATED
 2. CABLE CONNECTIONS TO CUSTOMER
 3. WIRING TO BE AS SHOWN
 4. APPROVED
 5. APPROVED
 6. APPROVED
 7. APPROVED
 8. APPROVED
 9. APPROVED
 10. APPROVED
 11. APPROVED
 12. APPROVED
 13. APPROVED
 14. APPROVED
 15. APPROVED
 16. APPROVED