

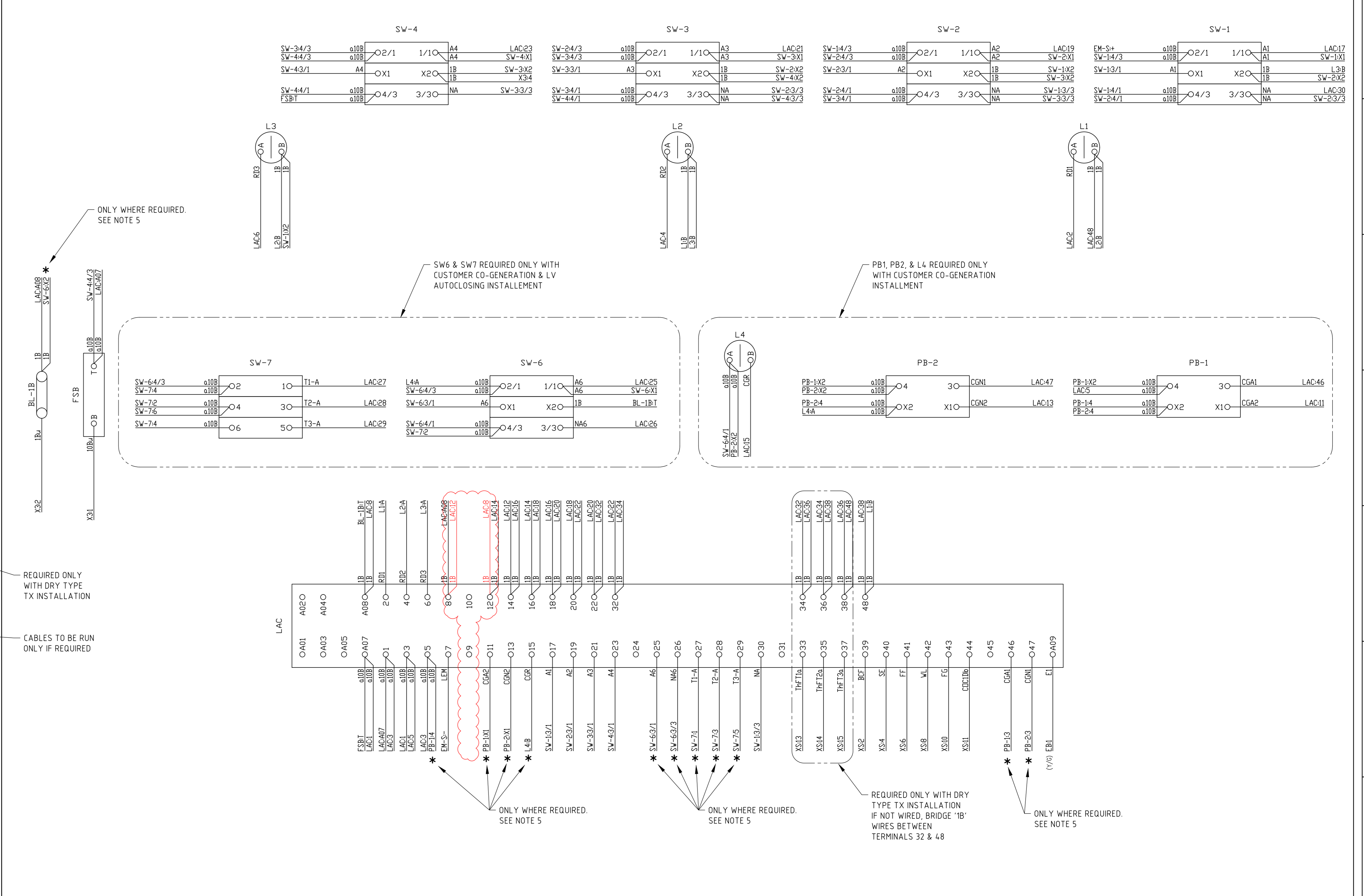
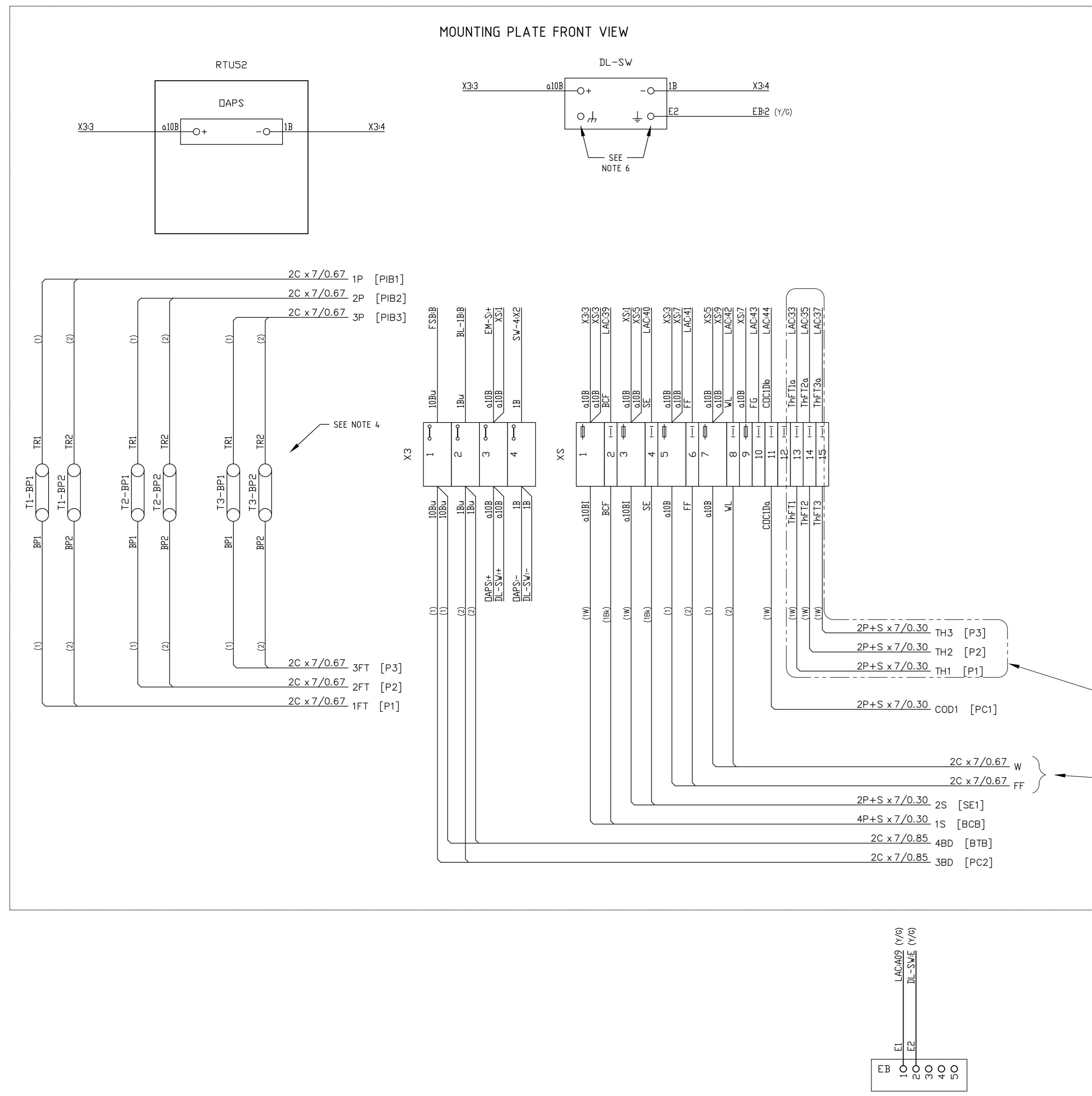
DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL

DLAC

PANEL - FRONT VIEW

HINGED SECTION - REAR VIEW

MOUNTING PLATE FRONT VIEW



SEE NOTE 5 FOR ITEMS POSSIBLY NOT REQUIRED.

TAGNAME	MFG	CATNO	DESC	REF DWG
ENCLOSURE	BRITAL	Z552 695	WALL MOUNTED ENCLOSURE EL	587111
RTU	EUKADUP	MOUNTED TYPE MS	BATTERY LINK	-
DL-SW	RUGGEDCOM	RS8000	ETHERNET SWITCH	-
EM-S	ASSERTA	AS/M/S/9-60/G	ELECTRONIC SOUNDER, GREY, 9 - 60VDC	-
FSB	ALSTOM	RS20P Black	FUSE - 2 STUD BACK CONNECTED	-
LAC	SCHWEITZER	SEL-3538	AUTOMATION CONTROL RELAY	222615
L1 TO L3	RAF	160 502 002/1502	LAMP HOLDER WITH GREEN LENS	-
L4	RAF	211-997-48-38	WHITE 60V DC EDISON SCREW MULTI-LEDS	-
L4	RAF	160 502 002/1002	LAMP HOLDER WITH WHITE LENS	-
PB-1 & PB-2	MARL	211-997-48-38	WHITE 60V DC EDISON SCREW MULTI-LEDS	-
SCHEIDER ELECT.	SCHEIDER ELECT.	ZB4BWS61	CONTACT BLOCK IN/OUT	-
RTU52	INVENSY	ADP-215-997-48-38-60V	FILAMENT REPLACEMENT WHITE LED - 60V	-
SW-1 TO SW-6	SCHEIDER ELECT.	HARMONY XB4	2 SLOT CARD FILE RTU50 ASSEMBLY INCLUDING POWER CARD & AVARA. DAP-SE CA01	-
SW-7	KRAUS & NAIMER	CA10 TYPE, 50, A730	3 POSITION SELECTION SWITCH ILLUMINATED (WHITE)	-
TH-BP1, TH-BP2	UTILUX	3869	ISOLATING LINK RAIL MOUNTED	118547
X1, X3	UTILUX	3820	RAIL MOUNTED TERMINAL	118547
X5	WEIDMULLER	ASK1	RAIL MOUNTED FUSE CAT No. 37676	-
X5	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No. 41926	-

HARMONY XB4 CONFIGURATION

TAGNAME	PART	PART No.	No. OFF
SW-1 TO SW-6	COLLAR	ZB4BZ009	6
	LIGHT BLOCK	ZBV6G19	6
	N/O CONTACTS	ZBE101	6
	N/C CONTACTS	ZBE102	6
	HEAD	ZB4BK1213	6

PANEL ABBREVIATION TABLE

BTB	48V DC 'B' BATTERY TERMINATION BOX
DLAC	DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL
P1	FIRST TRANSFORMER PROTECTION PANEL
P2	SECOND TRANSFORMER PROTECTION PANEL
P3	THIRD TRANSFORMER PROTECTION PANEL
PC2	CUSTOMER OVERCURRENT No 2 PROTECTION PANEL
PB1	FIRST FEEDER PILOT ISOLATION BOX
PB2	SECOND FEEDER PILOT ISOLATION BOX
PB3	THIRD FEEDER PILOT ISOLATION BOX
SMB	SIGNAL MARSHALLING BOX

NOTES:

- 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).
- 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.
- PANEL LAYOUT IS REPRESENTATIVE, FOR ACTUAL LAYOUT SEE DWG 227388 SH1.
- TRIPPING TERMINALS TO BE SUITABLY INSULATED WITH TERMINAL COVER H3822 TO PREVENT ANY ACCIDENTAL SHORTING OF THESE TRIP TERMINALS.
- SW6 & SW7 REQUIRED ONLY WITH LV AUTOCLOSING
PB1, PB2, & L4 REQUIRED ONLY WITH CUSTOMER CO-GENERATION INSTALMENT.
- SUBSTATION EARTH ONLY TO BE TERMINATED TO CASE EARTH OF THIS RELAY. THE BRAIDED EARTH CONNECTION BETWEEN THESE TERMINALS MUST BE REMOVED.

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 SH6
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD CUSTOMER ACB INTERNAL WIRING AND ACB PANEL CONTROL WIRING SCHEMATIC	227390 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD TRANSFORMER ACB INTERNAL WIRING AND ACB PANEL CONTROL WIRING SCHEMATIC	227390 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No1 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING DIAGRAM	227389 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No1 & No2 PROTECTION, DISTRIBUTION AUTOMATION CONTROL PANEL WIRING & CABLING	227389 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD DISTRIBUTION LOCAL AUTOMATION CONTROL PANEL LAYOUT AND LABEL DETAILS	227388 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD 1500VVA TX'S AND VENTILATION FAN AC SERVICE BOARD LAYOUT, WIRING, & CONNECTIONS	227381 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 CABLE CONNECTIONS	227386 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD CUSTOMER OC No1 (8 No 2) PROTECTION PANEL WIRING AND CABLE CONNECTIONS	227385 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OIL TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL CABLE CONNECTIONS	227384 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DRY TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL CABLE CONNECTIONS	227384 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OIL TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL WIRING, FIBRE COMMS & CABLING DIAGRAM	227383 SH2
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, DRY TYPE TX, & OAFD, TRANSFORMER PROTECTION PANEL WIRING DIAGRAM	227383 SH1
CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD AND OAFD, 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 FREE STANDING PANELS LAYOUT DETAILS	227381 SH1
CITY DISTRIBUTION SUB WITH E TYPE LV BOARD AND OAFD, 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

SCALE	NTS
DESIGNED	
DRAWN	E.KAROUIZ/L.MARTINUZZI
CHECKED	
APPROVED	M.BENNETT
DATE	03/03/2015
TRIM REF	
ISSUED FOR CONSTRUCTION	

Ausgrid
24 Campbell Street
SYDNEY NSW 2000
P. 9272 3805

CITY DISTRIBUTION SUBSTATIONS WITH E TYPE LV BOARD, OAFD, & CUSTOMER OC No1 PROTECTION DISTRIBUTION AUTOMATION CONTROL PANEL WIRING AND CABLING DIAGRAM

ISSUED FOR CONSTRUCTION

DRAWING No 227389 SHEET 2 AMD 5 SIZE A0

C&P - DISTRIBUTION SUBS

FOR ARRANGEMENT INCLUDING CUSTOMER OC No2 SEE 227389 SH1