



NOTES:

1. THIS DRAWING SHOWS THE SCADA PANEL LAYOUT WHICH IS TO BE USED IN CONJUNCTION WITH RMICB CHAMBER TYPE SUBSTATIONS WITH ARC FLASH DETECTION INSTALLED. IT SHOULD BE READ IN CONJUNCTION WITH NETWORK STANDARDS AND THE SUBSTATION DESIGN INFORMATION PACKAGE.
2. MODEM TO BE MOUNTED AS SHOWN ON DIN RAIL (TH35). MODEM MAY BE FIXED TO MOUNTING PLATE.
3. ALL DIMENSIONS ARE IN MILLIMETRES.
4. FOR TERMINAL STRIP WIRING DETAILS SEE DRAWING 227358-1.

TAGNAME	MFG	CATNO	DESC	REF DWG
SCADA PANEL	B&R	N106063	WALL MOUNTED PANEL 600x600x300	-
DC-DC	SNAPTECH	GB30-4812	DC/DC CONVERTER 48VDC TO 12VDC 30W	-
M	SIERRA WIRELESS	RV50X	4G MODEM	-
SCADA UNIT	SIEMENS	A8000	SICAM A8000 UNIT - SLOT 1 CP-8050 CPU MODULE, SLOT 2 PS-8620 POWER MODULE, SLOT 3 & 4 DI-8111 DIGITAL INPUT MODULES	-
X1	UTILUX	3820	RAIL MOUNTED TERMINAL	118547
X2, X3	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
X3, XS1 - 8	WEIDMULLER	ASK1	RAIL MOUNTED FUSE CAT No. 37676	-
XS1 - 8	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
EB	-	EB	CABINET EARTH BAR	-
LEGEND				

TITLE	DWG No.
RMICB SUBSTATIONS WITH E TYPE LV BOARD DC SUPPLY CABLE LOOPING AND SCADA SCHEMATIC	227350-4
RMICB SUBSTATIONS WITH E TYPE LV BOARD WITH OPTICAL ARC FLASH DETECTION SCADA PANEL WIRING AND CABLING DETAILS	227358-1
REFERENCE DRAWINGS	

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS 1. BORDER & TITLE BLOCK UPDATED. MODEM WAS CYBERTEC 3G. M.BENNETT 20/01/2023 CHECKED: M.BENNETT APPROVED: M.BENNETT 2. REF REVISIONS, CLOUDS, IN RED: REMOVED DIN RAIL & MODEM FROM REAR DOOR VIEW, ADDED TH35 DIN RAIL. AMENDED SCADA RELAY TYPE & MOUNTING POSITION. MODEM MOUNTING POSITION. ADDED DC-DC CONVERTER & X3 TERMINALS. AMENDED NOTES: L.MARTINUZZI 24-05-2023 CHECKED: M.BENNETT APPROVED: M.BENNETT									
	1	2	3	4	5	6	7	8	

24 Campbell Street SYDNEY NSW 2000 P: 9272 3805	SCALE	AS SHOWN	RMICB SUBSTATIONS WITH E TYPE LV BOARD & OPTICAL ARC FLASH DETECTION SCADA PANEL LAYOUT DETAILS DIAGRAM	SIZE	DRAWING No	SHEET	AMD
	DESIGNED	-		A2	227358	2	2
DRAWN	L.MARTINUZZI	PROJECT NUMBER		SM-06717	C&P - DISTRIBUTION SUBS		
CHECKED	M.BENNETT						
APPROVED	B.HAINES						
DATE	24/10/2012						
TRIM REF	-						