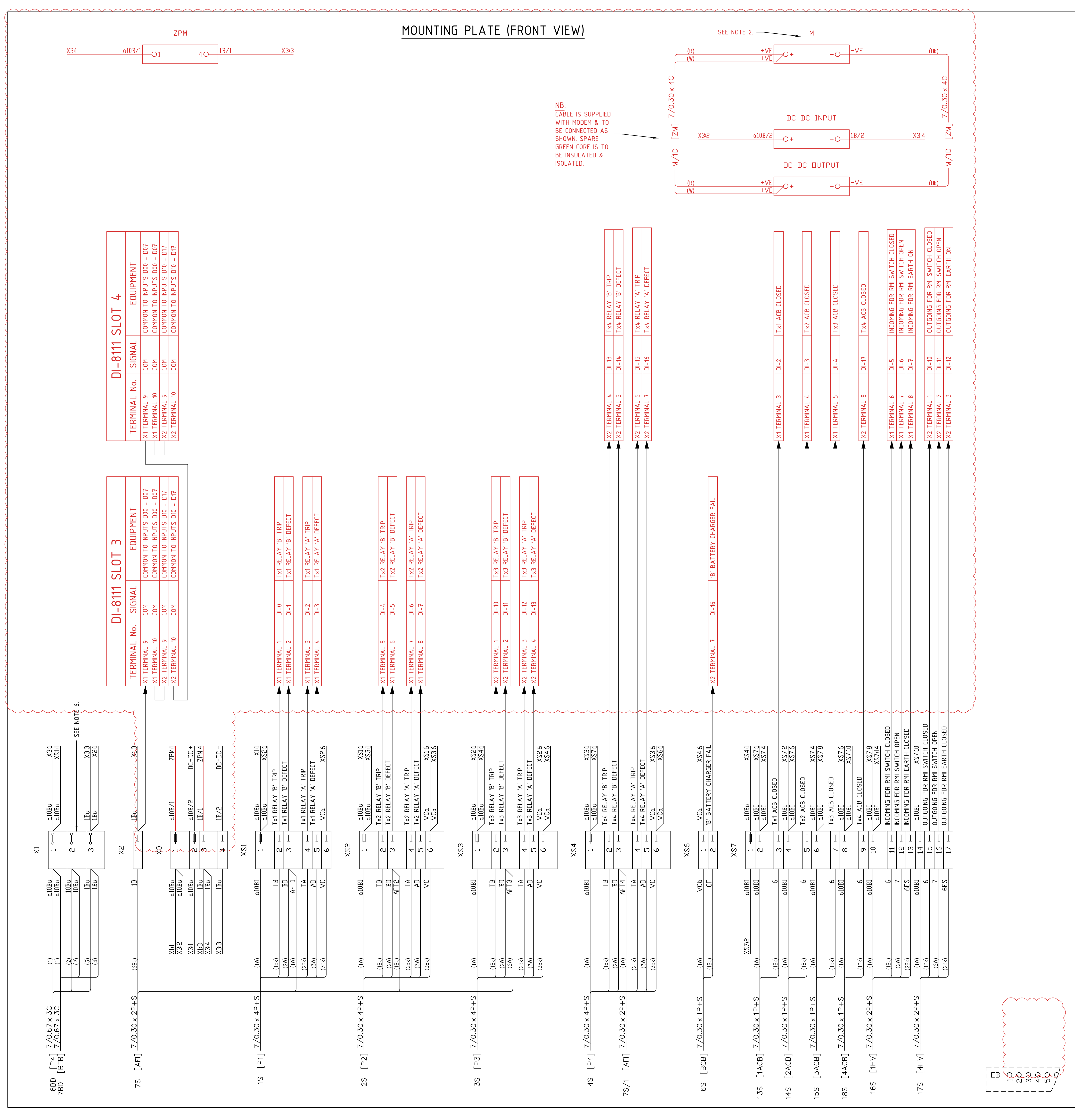


MOUNTING PLATE (FRONT VIEW)



NB:
CABLE IS SUPPLIED WITH MODEM & TO BE CONNECTED AS SHOWN. SPARE GREEN CORE IS TO BE INSULATED & ISOLATED.

NOTES:

- THIS DRAWING SHOWS THE SCADA PANEL WIRING & CABLING WHICH IS TO BE USED AT DISTRIBUTION SUBSTATION WITH 1x OAFD PROTECTION PANELS & 4 TRANSFORMERS. IT SHOULD BE READ IN CONJUNCTION WITH NETWORK STANDARDS & THE SUBSTATION DESIGN INFORMATION PACKAGE.
- NOT SHOWN: NETWORK CONNECTION BETWEEN MODEM & SCADA CPU X3 PORT ISLOT 1. MODEM ANTENNA, MOUNTED AS SUITED TO INSTALLATION.
- ALL PANEL DC WIRING TO BE 7/0.50, 0.6kV V75 GRADE PVC INSULATED COLOURED GREY. ALL PANEL EARTH WIRING TO BE 7/0.67, 0.6kV V75 GRADE PVC INSULATED COLOURED GREEN/YELLOW.
- WIRING & CABLE CORES 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.
- CABLE NAMING TO FOLLOW THIS DRAWING.
- THE 10Bu IS THE 30V 'B' DC PROTECTION +VE SUPPLY, NOT TO BE USED FOR OTHER PURPOSES.
- ALARM & SIGNAL CABLE SCREENS TO BE EARTH AT SCADA CABINET ONLY.

Tag	Description
1ACB	Tx1 LV AIR CIRCUIT BREAKER
2ACB	Tx2 LV AIR CIRCUIT BREAKER
3ACB	Tx3 LV AIR CIRCUIT BREAKER
4ACB	Tx4 LV AIR CIRCUIT BREAKER
1HV	INCOMING 11kV FEEDER RMI
4HV	OUTGOING 11kV FEEDER RMI
AFI	ARC FLASH DETECTION INDICATION PANEL
B	48V-30V(TAPPED) DC 'B' BATTERY
BCB	BATTERY CHARGER B
BTB	B BATTERY TERMINATION BOX (LOCATED NEAR 'B' BATTERY)
P1	TRANSFORMER No 1 PROTECTION PANEL
P2	TRANSFORMER No 2 PROTECTION PANEL
P3	TRANSFORMER No 3 PROTECTION PANEL
P4	TRANSFORMER No 4 PROTECTION PANEL
SB	415V LV SERVICE BOARD DR LV SERVICE BOARD EXTENSION
YFP	VOLTMETER / TEST POINT FOR 30V DC 'A' BATTERY
ZM	SCADA PANEL

TAGNAME	MFG	CATNO	DESC	REF DWG
DC-DC	SNAPTECH	GB30-4812	DC/DC CONVERTER 48VDC TO 12VDC 30W	-
M	SIERRA WIRELESS	RV30X	4G MODEM	-
SCADA UNIT	SIEMENS	A8000	SICAM A8000 UNIT (CPU, POWER MODULE, 2 OFF DI)	-
ZPM	SIEMENS	PS-8620	SLOT 2 POWER MODULE FOR SICAM A8000 UNIT	-
X1	UTILUX	3820	RAIL MOUNTED TERMINAL	1185x7
X2, X3	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No 41226	-
X3, X51 - 8	WEIDMULLER	ASK1	RAIL MOUNTED FUSE CAT No 31676	-
X51 - 7	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No 41226	-
EB	-	EB	CABINET EARTH BAR	-

Ausgrid
24 Campbell Street
SYDNEY NSW 2000
P: 9272 3805

ISSUED FOR CONSTRUCTION

SCALE	NTS
DESIGNED	L.MARTINUZZI
DRAWN	L.MARTINUZZI
CHECKED	M.BENNETT
APPROVED	M.BENNETT
DATE	05/02/2021
TRIM REF	D20/479801
PROJECT NUMBER	SM-14871

DISTRIBUTION SUBSTATIONS WITH RMICBS WITH INDIVIDUAL TX OAFD PROTECTION WITH 4 TRANSFORMERS SCADA PANEL WIRING & CONNECTIONS

DRAWING No **245781** SHEET 6 AMD 1 SIZE B1

CAD DRAWING
DO NOT MANUALLY Amend
REMOVED REAR PANEL DOOR VIEW.
ALL RELAYS & TERMINALS NOW MOUNTED ON THE MOUNTING PLATE.
APPROVED DC-DC CONVERTER & SCADA RELAY TYPE ADDED SCADA RELAY TERMINATIONS TO DI SLOTS 3 & 4.
MEDIA CONVERTER & NOT REQUIRED RELAY EARTHIS.
L.MARTINUZZI
07-06-2023
CHECKED M.BENNETT
APPROVED M.BENNETT