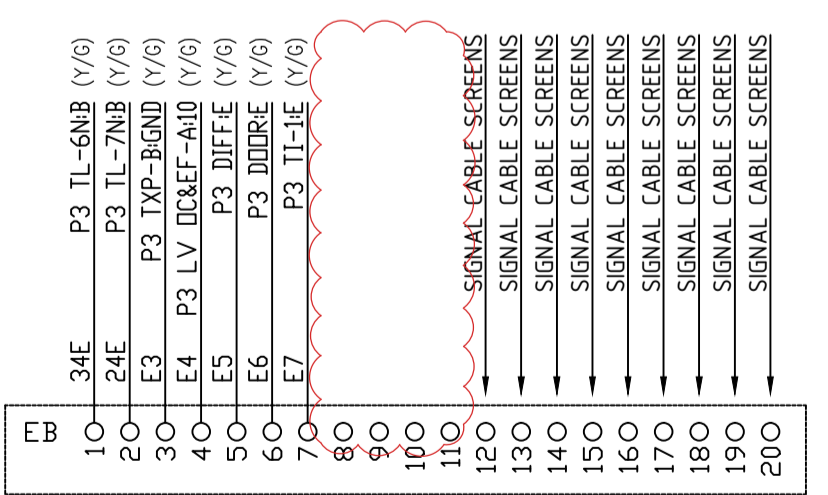


CABINET 2, SCADA PANEL (LOWER SECTION)  
INSIDE VIEWED FROM FRONT (BEHIND DOOR)

- NOTES:**
- THIS DRAWING SHOWS THE SCADA PANEL WIRING & CABLE CONNECTIONS TO BE USED AT RMICB CHAMBER TYPE SUBSTATIONS WITH EXPOSED BUSBAR LV BOARDS & Tx OAFD PROTECTION PANELS ARE REQUIRED. TO BE READ IN CONJUNCTION WITH NETWORK STANDARDS & THE SUBSTATION DESIGN INFORMATION PACKAGE.
  - FOR TERMINAL LAYOUT, MOUNTING PLATE & CABINET 2 DETAILS REFER TO DRAWING 245777-1.
  - NOT SHOWN: NETWORK CONNECTION BETWEEN MODEM & SCADA CPU X3 PORT (SLOT 1). MODEM ANTENNA, MOUNTED AS SUITED TO INSTALLATION.
  - 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.
  - ALARM & SIGNAL CABLE SCREENS TO BE EARTH AT SCADA CABINET ONLY.
  - THE 10Bu IS THE 30V 'B' DC PROTECTION +VE SUPPLY, NOT TO BE USED FOR OTHER PURPOSES.

AFI	ARC FLASH DETECTION INDICATION PANEL
BCB	BATTERY CHARGER B
BTB	B BATTERY TERMINATION BOX
P1	TRANSFORMER No.1 PROTECTION PANEL
P2	TRANSFORMER No.2 PROTECTION PANEL
P3	TRANSFORMER No.3 PROTECTION PANEL
T1	TRANSFORMER No.1 CONTROL PANEL (DRY TYPE)
T2	TRANSFORMER No.2 CONTROL PANEL (DRY TYPE)
T3	TRANSFORMER No.3 CONTROL PANEL (DRY TYPE)
1ACB	TRANSFORMER No.1 ACB PANEL
2ACB	TRANSFORMER No.2 ACB PANEL
3ACB	TRANSFORMER No.3 ACB PANEL
RHV	INCOMING FEEDER RMI SWITCH
3HV	OUTGOING FEEDER RMI SWITCH

TAGNAME	MFG	CATNO.	DESC	REF DWG
DC-DC	SNAPTTECH	GB30-4812	DC/DC CONVERTER 48VDC TO 12VDC 30W	-
M	SIERRA WIRELESS	RV50X	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	118547
X2, X3	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
X3, X51-8	WEIDMULLER	ASK1	RAIL MOUNTED FUSE CAT No. 37676	-
X51-8	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
EB	-	EB	CABINET EARTH BAR	-



**CAD DRAWING**  
DO NOT MANUALLY AMEND  
**AMENDMENTS**  
1. BORDER & TITLE BLOCK UPDATED.  
REF REVISIONS/CLDS IN RED.  
2. SCADA RELAY TYPE CHANGED TO SCADA  
RELAY TERMINATIONS TO DI SLOTS 3  
& 4. AMENDED NOTES 3 & 4. REMOVED  
MEDIA CONVERTER & NOT REQUIRED  
L.MARTINUZZI  
02-06-2023  
M.BENNETT  
CHECKED:  
APPROVED:

**Ausgrid**  
24 Campbell Street  
SYDNEY NSW 2000  
P: 9272 3805

SCALE	NTS
DESIGNED	L.MARTINUZZI
DRAWN	L.MARTINUZZI
CHECKED	J.PAYNE
APPROVED	M.BENNETT
DATE	29/01/2018
TRIM REF	D17/884167

**DISTRIBUTION SUBSTATIONS  
WITH RMICBS  
WITH EXPOSED BUSBAR LV BOARDS  
WITH INDIVIDUAL TX OAFD PROTECTION  
SCADA PANEL WIRING & CONNECTIONS**