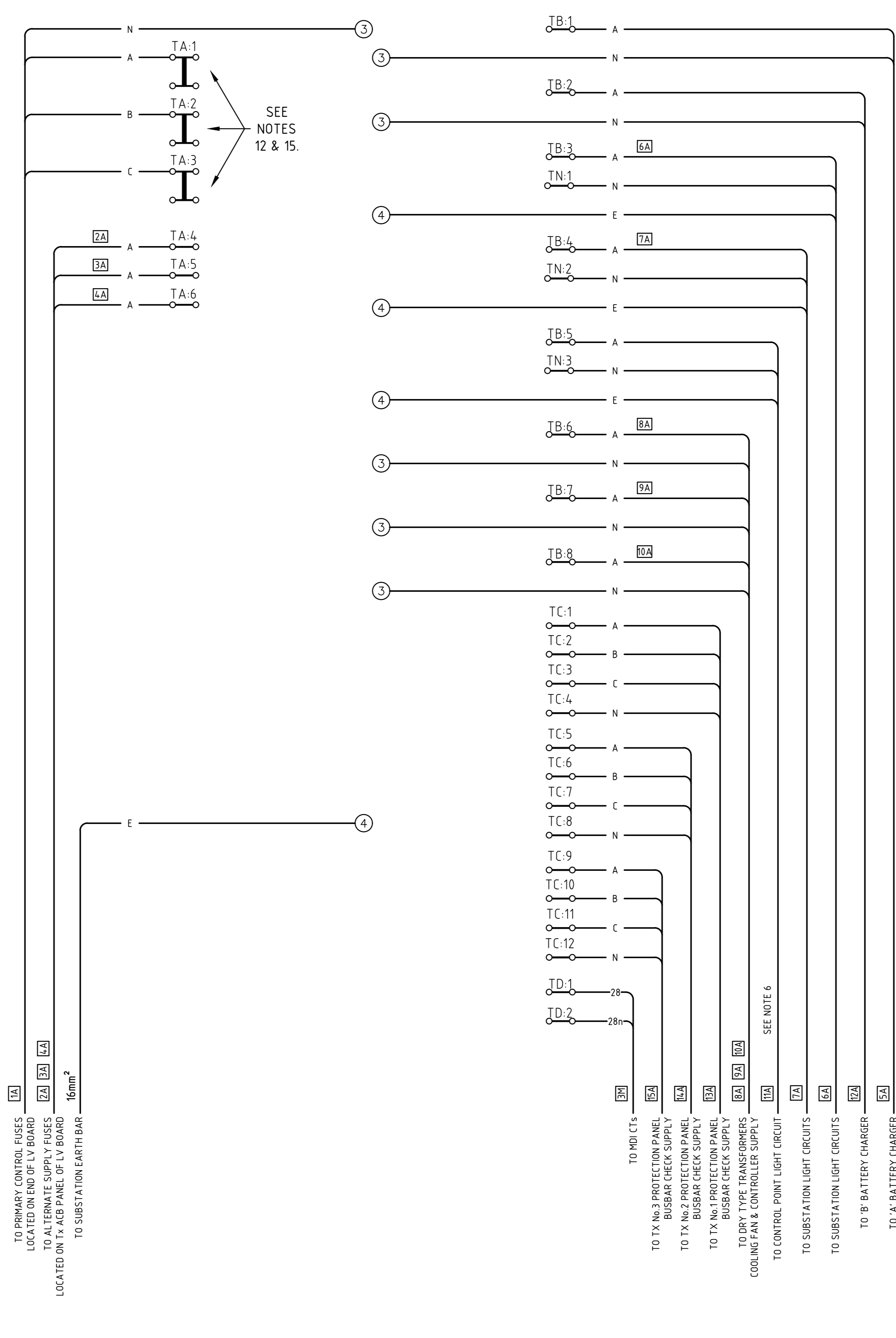
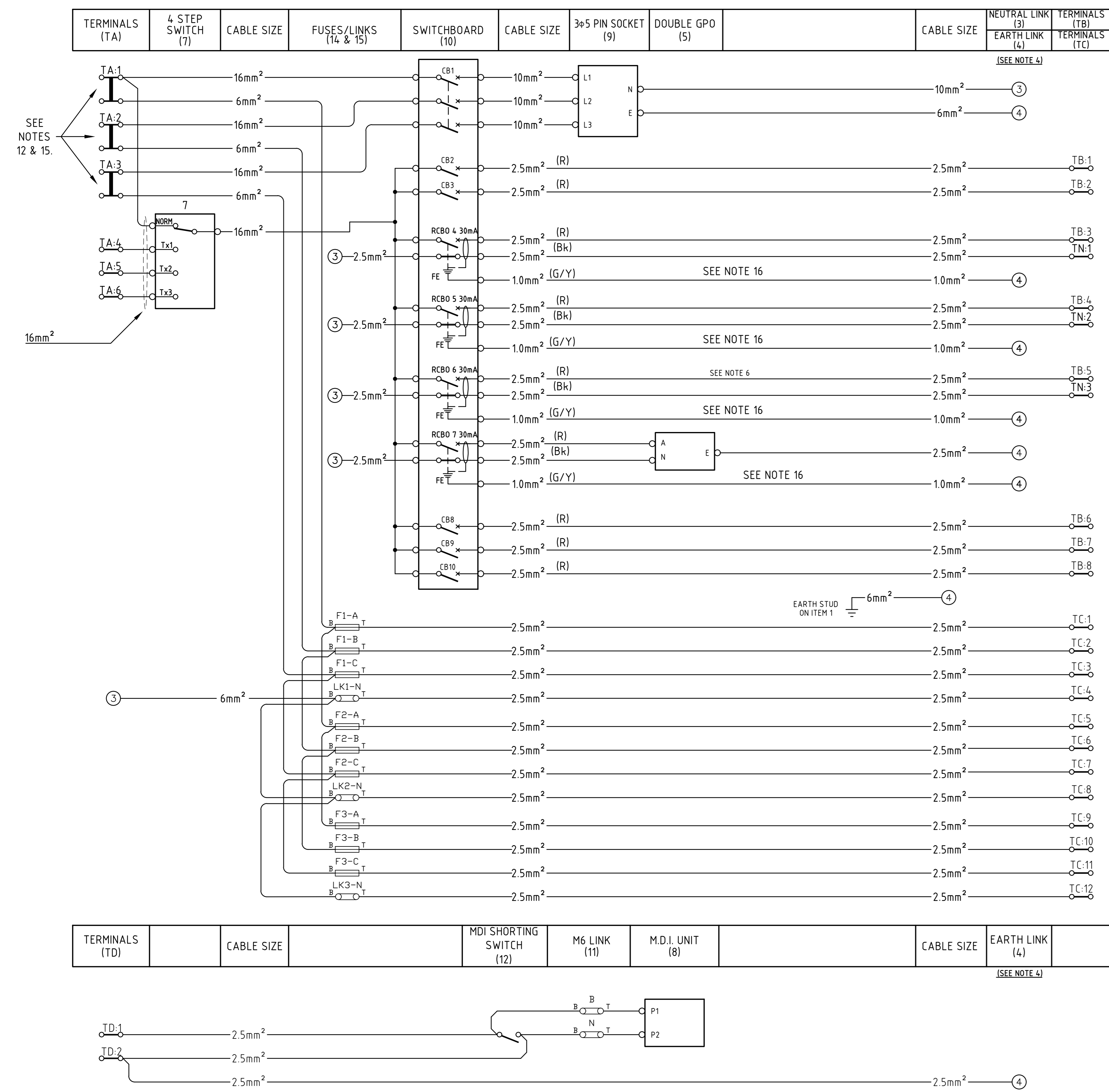
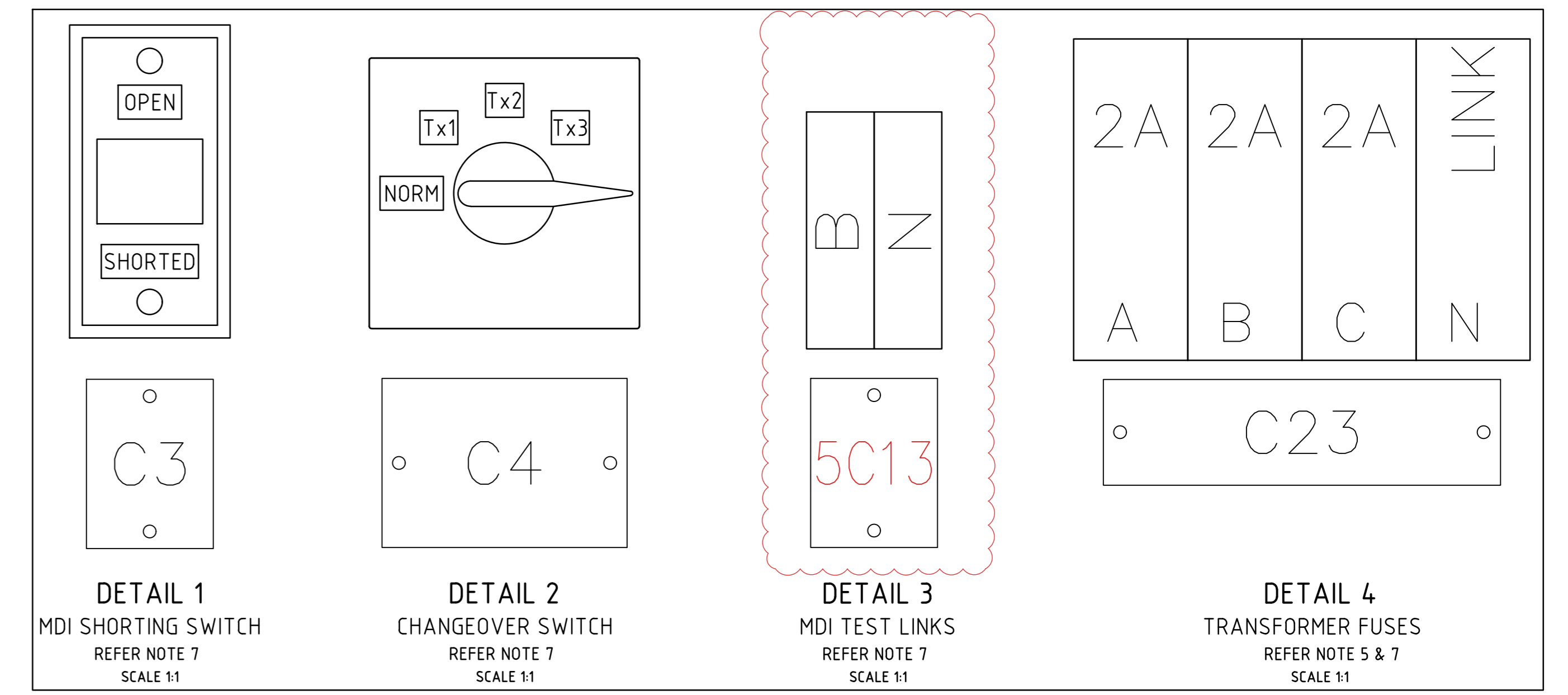


LABEL DETAILS						
LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	QTY
1	C3	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2 LINE 3	2.5 2.5 2.5	MDI SHORTING SWITCH	1
2	C4	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2 LINE 3	2.5 2.5 2.5	ESSENTIAL SERVICES STANDBY SUPPLY CHANGEOVER SWITCH	1
3	5C13	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	B M D I N TEST LINKS	1
4	C23	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	A B C N TRANSFORMER # BUSBAR CHECK SUPPLIES	3

LABEL CONSTRUCTION and DRILLING DETAILS REFER DRAWINGS B1-050996 TYPICAL LABEL ENGRAVING DETAILS REFER DRAWING A0-064825 SEE NOTE 5



- NOTES:**
- THIS SERVICE BOARD IS DESIGNED FOR SUBURBAN SUBSTATIONS WITH 1500kVA TRANSFORMERS AND WHERE OPTICAL ARC FLASH DETECTION IS INSTALLED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT NETWORK STANDARDS.
 - ALL DIMENSIONS ARE IN MILLIMETRES. DRILLING DETAILS FOR REFERENCE ONLY. CAM FILE TO BE PRODUCED FROM THIS DRAWING FOR MACHINE MANUFACTURE.
 - THE EARTH AND NEUTRAL LINK CONNECTIONS DESIGNATED BY (E) & (N) MUST BE INDIVIDUALLY CONNECTED AS SEPARATE CABLES TO THEIR RESPECTIVE LINK.
 - FOR LABELS WITH "M" SUBSTITUTE THE RELEVANT TRANSFORMER NUMBER.
 - CABLE TO BE OF ADEQUATE SIZE TO PREVENT VOLTAGE DROP. REFER TO AS 3008 FOR ADEQUATE CABLE SIZE.
 - FOR LABEL CONSTRUCTION AND DRILLING DETAILS REFER TO DRAWINGS 50998-1 & 64825-1 FOR ENGRAVING DETAILS. FOR 5mm LINK ASSEMBLY REFER DRAWING 50711-1 FOR 5mm LABELS REFER TO DRAWINGS 50998-2 & 64825-2.
 - CABLE NAMES ARE SHOWN. THUS (XX) REFER TO DWG 227355S01 & 02.
 - COMPRESSION TYPE CABLE LUGS ARE TO BE USED FOR TERMINATIONS ON TO ITEMS TD, T1 AND T5.
 - LINKS SHOULD BE MOUNTED SO THAT THE MOVABLE LINK FALLS OPEN WHEN RELEASED.
 - ALL PANEL WIRING TO BE 7/0.67, 0.64V GRADE PVC INSULATED COLOURED GREY UNLESS OTHERWISE SPECIFIED. ALL EARTH WIRING TO BE COLOURED GREEN/YELLOW.
 - STANDARD WARNING LABEL TO HIGHLIGHT THE 45V AC HAZARD TO BE MOUNTED AS SHOWN. ANY EXPOSED TERMINALS ARE TO BE APPROPRIATELY COVERED AND THE HAZARD LABELLED.
 - ALL CIRCUIT BREAKERS TO BE CLEARLY AND APPROPRIATELY LABELLED.
 - MOUNTING PLATE TO BE BAKELITE OR SIMILAR NON-CONDUCTIVE, ELECTRICALLY INSULATED, HEAT RESISTANT MATERIAL 6mm THICK.
 - BRIDGED TERMINALS USING EXPOSED TYPE BAR LINKS ARE TO HAVE END COVER PLATE TYPE INSTALLED BETWEEN A, B & C PHASES TO ENSURE ELECTRICAL ISOLATION. THE TERMINALS ARE TO BE APPROPRIATELY INSULATED AS PER NOTE 12.
 - THE FUNCTIONAL EARTH (FE) IS TO BE EXTENDED AS REQUIRED ON THE RCBOs.

ITEM No	DESCRIPTION	REMARKS	No. OFF
15	FUSE BACK CONNECTED	SAFECLIP SC32BW (BLACK)	9
16	LINK BACK CONNECTED 2 STUDS	SAFECLIP SC32PWH (WHITE)	3
13	MOUNTING BLOCK	HPM TYPE 141	1
12	10A SINGLE POLE SWITCH	HPM TYPE A770/1	1
11	MS MOULDED LINK	EUGAQUIP BATTERY TEST LINK (REF DWG. 50711)	2
CB10	20A 1P 10kA MINIATURE C/B (TX 3 SUPPLY DRY TYPE ONLY)	Schneider TYPE A9F54120	1
CB9	20A 1P 10kA MINIATURE C/B (TX 2 SUPPLY DRY TYPE ONLY)	Schneider TYPE A9F54120	1
CB8	20A 1P 10kA MINIATURE C/B (TX 1 SUPPLY DRY TYPE ONLY)	Schneider TYPE A9F54120	1
RCB07	20A 1P 10kA MINIATURE RCBO (POWER ON SWITCH BOARD)	Schneider TYPE A9D18120	1
RCB06	16A 1P 10kA MINIATURE RCBO (CONTROL POINT LIGHTS)	Schneider TYPE A9D1816	1
RCB05	16A 1P 10kA MINIATURE RCBO (LIGHTS)	Schneider TYPE A9D1816	1
RCB04	16A 1P 10kA MINIATURE RCBO (LIGHTS)	Schneider TYPE A9D1816	1
CB3	10A 1P 10kA MINIATURE C/B (B' BATTERY CHARGER)	Schneider TYPE A9F44110	1
CB2	10A 1P 10kA MINIATURE C/B (A' BATTERY CHARGER)	Schneider TYPE A9F44110	1
CB1	50A 3P 10kA MINIATURE C/B	Schneider TYPE A9F54350	1
10	12 MODULE SWITCHBOARD	CLIPSALE TYPE 4CS12FD	1
9	50A 3 PHASE, 5 PIN SOCKET	CLIPSALE CAT No. 56S0550	1
8	M.D.I. UNIT	LOGISTICS SERVICES STOCK CODE 169946	1
7B	TERMINAL COVERS	KRAUS & NAIMER TYPE S1 M160/B03	1
7A	ADJUSTABLE SHAFT	KRAUS & NAIMER TYPE S1 M006L/0008070	1
7	4 STEP CHANGEOVER SWITCH	KRAUS & NAIMER TYPE C32 A231 603 E	1
6	MOUNTING BLOCK	HPM TYPE 140	1
5	10A DOUBLE GPO	HPM TYPE 777	1
4	EARTH LINK	CLIPSALE TYPE L18	1
3	NEUTRAL LINK	CLIPSALE TYPE L18	1
TA	TERMINAL STRIP 1 (TA1-6) SEE NOTES 12 & 15.	WEIDMULLER SAK 35/FEN - RAIL MOUNTED TERM.	9
TB	TERMINAL STRIP 2 (TB1-8)	WEIDMULLER SAK 25/FEN - RAIL MOUNTED TERM.	8
TC	TERMINAL STRIP 3 (TC1-12)	WEIDMULLER SAK 25/FEN - RAIL MOUNTED TERM.	12
TD	TERMINAL STRIP 4 (TD1-2)	UTLUX H3820 - RAIL MOUNTED TERMINAL	2
2	TERMINAL MOUNTING RAIL	UTLUX H2233A - 1 METRE MOUNTING RAIL	1
1	WALL MOUNTED ENCLOSURE	B&R N106063	1

CAD DRAWING
DATE: 17/06/2023

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	17/06/2023

APPROVED: M.BENNETT

DESIGNED: M.BENNETT

CHECKED: M.BENNETT

DRAWN: M.BENNETT

DATE: 17/06/2023

CAM
COMPUTER AIDED MANUFACTURE

Ausgrid
24 Campbell Street
SYDNEY NSW 2000
P: 9272 3805

RMICB SUBSTATIONS WITH E TYPE LV BOARD SUBURBAN TYPE SUBSTATION WITH 1500kVA TRANSFORMERS SERVICE BOARD GENERAL ARRANGEMENT & WIRING DIAGRAM

ISSUED FOR CONSTRUCTION
PROJECT NUMBER: SM-06717
DRAWING No: 227356
SHEET 1
AMD 8
SIZE A0

SCALE
AS SHOWN

DATE
28/06/2012

PROJECT NUMBER
SM-06717

DRAWING No
227356

SHEET
1

AMD
8

SIZE
A0

C&P - DISTRIBUTION SUBS