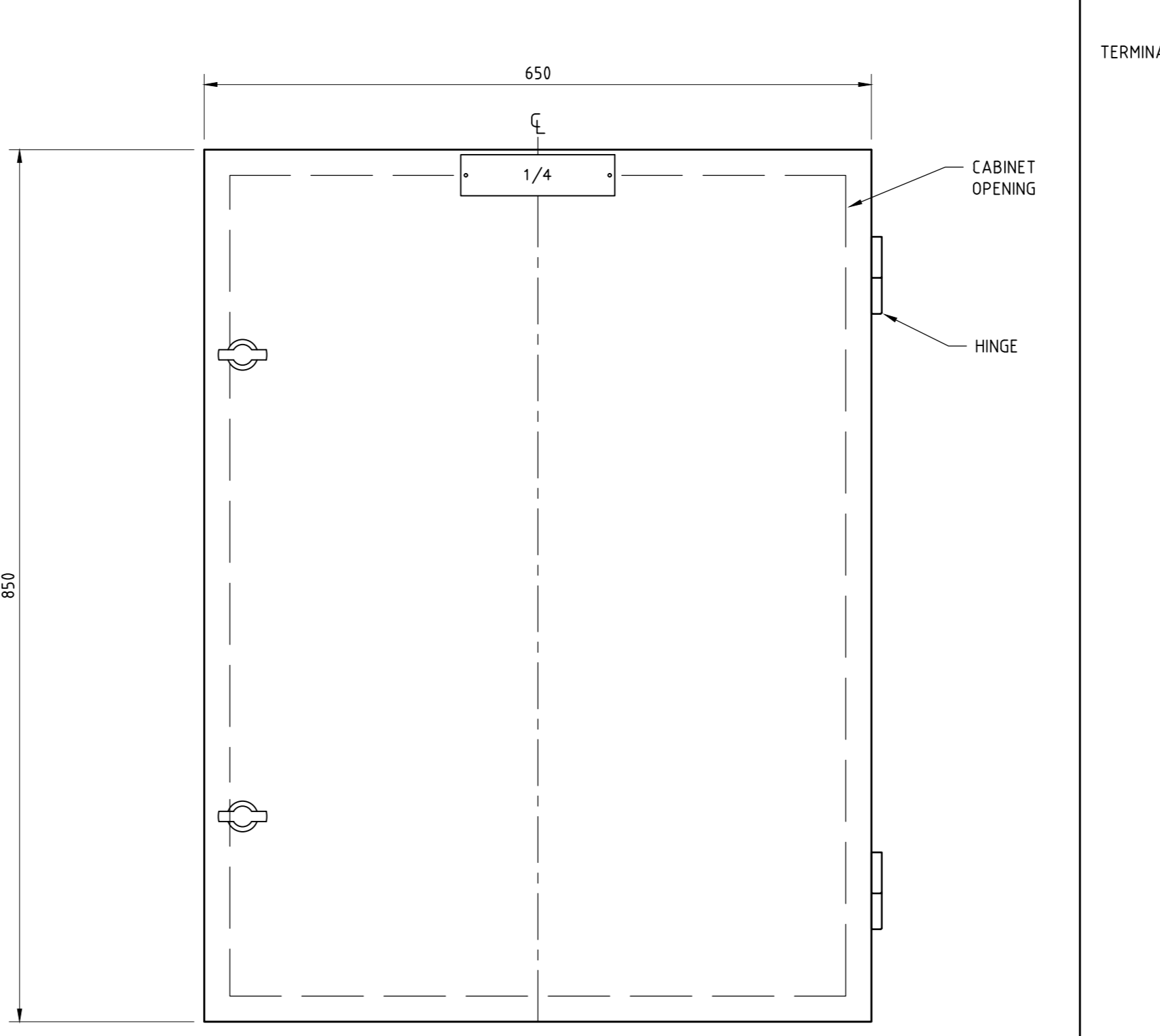
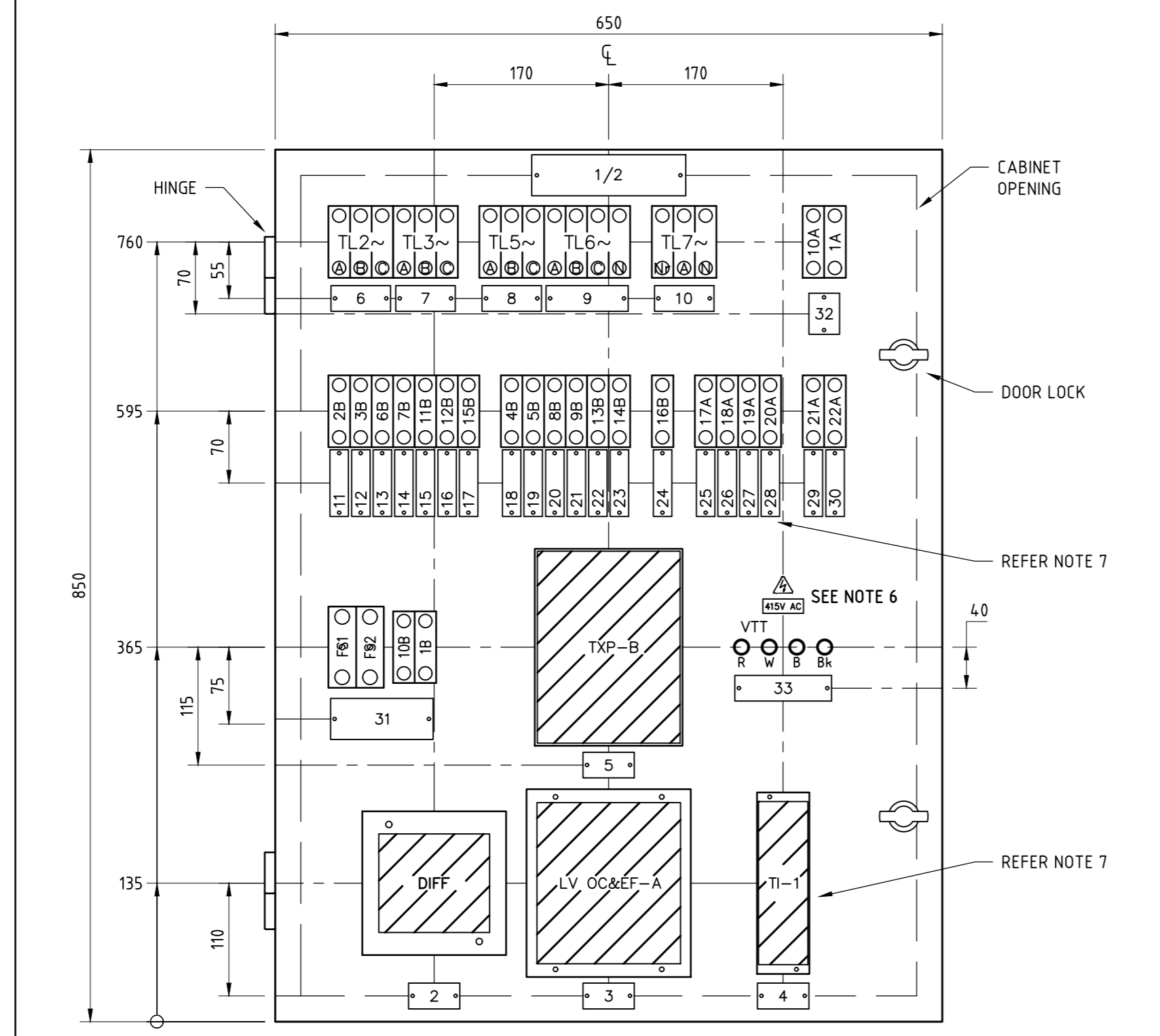
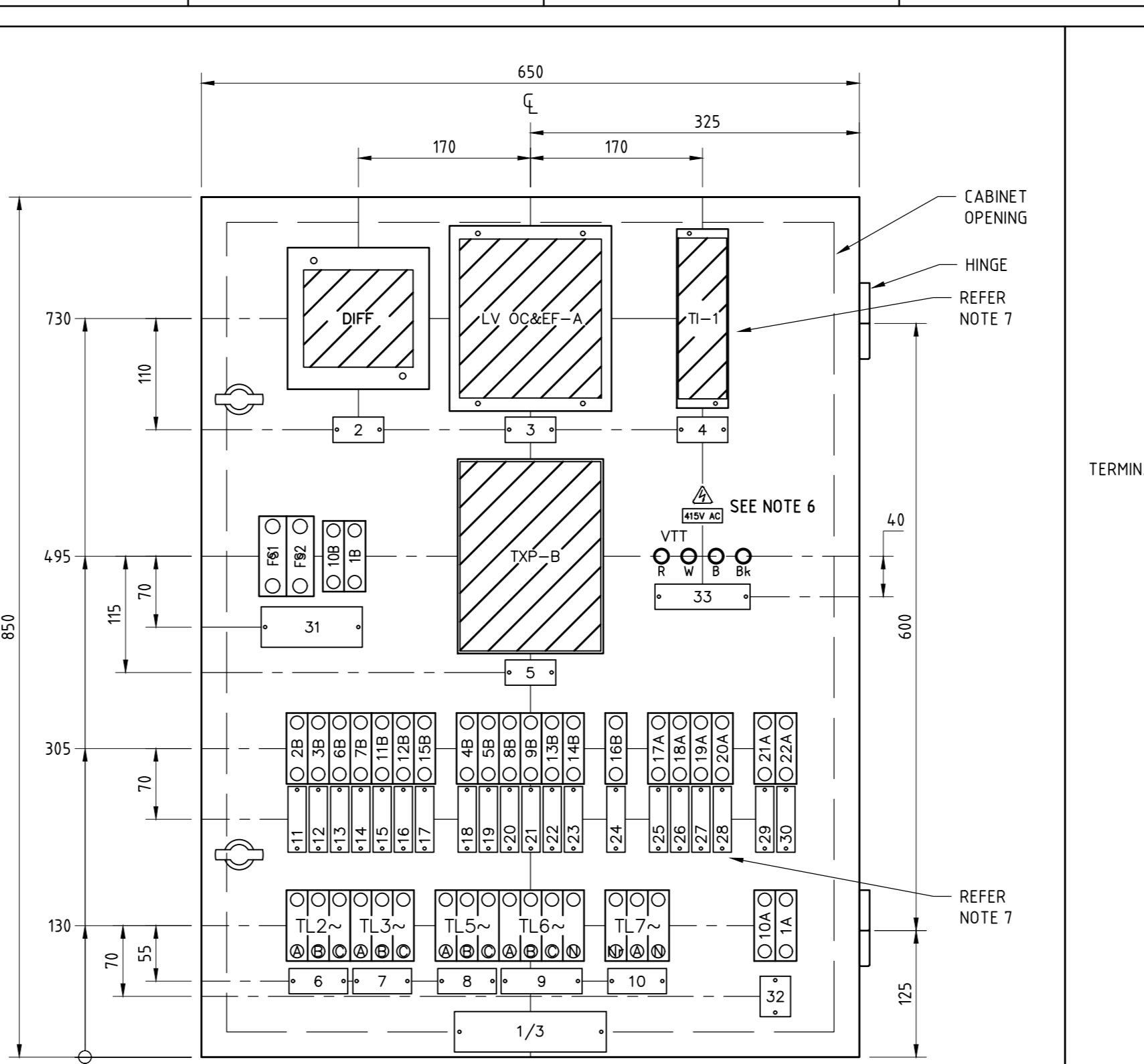
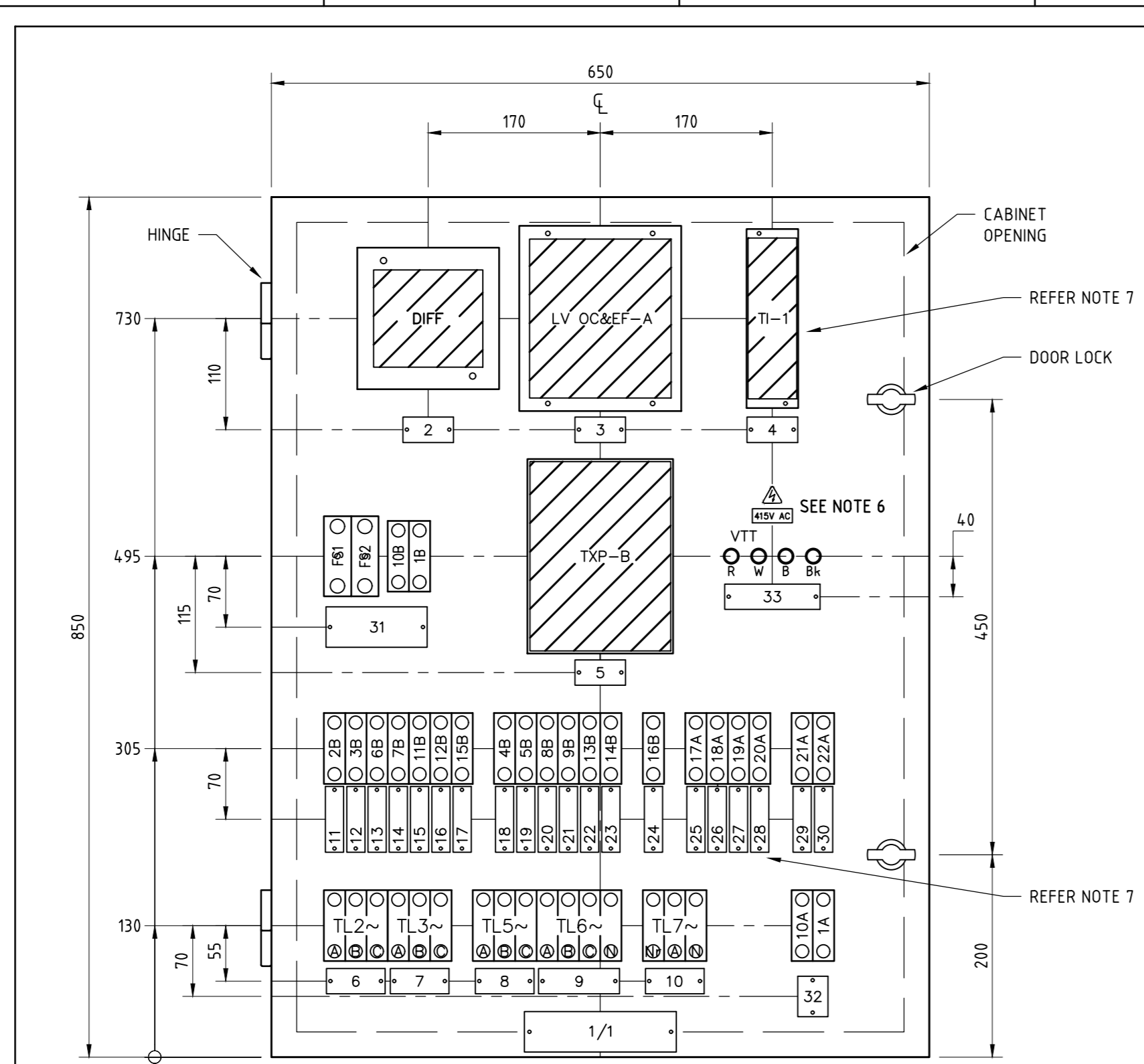


LABEL DETAILS						
LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
1/1	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	8 8	TRANSFORMER No.1 PROTECTION PANEL	1
1/2	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	8 8	TRANSFORMER No.2 PROTECTION PANEL	1
1/3	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	8 8	TRANSFORMER No.3 PROTECTION PANEL	1
1/4	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	8 8	SCADA PANEL	1
2	C7	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER DIFFERENTIAL RELAY	3
3	C7	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	LV OC & EF RELAY	3
5	C7	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER & ARC FLASH RELAY	3
6	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	A B C OVERCURRENT & EARTH FAULT RELAY CT TEST LINKS	3
7	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	A B C OVERCURRENT & EARTH FAULT RELAY DELTA TEST LINKS	3
8	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	A B C TRANSFORMER & ARC FLASH RELAY TEST LINKS	3
9	C1	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	A B C N TRANSFORMER PROTECTION HV CT TEST LINKS	3
10	C10	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	Nr A N EARTH FAULT CT TEST LINKS	3
11	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TX No.1 ARC FLASH BATTERY LINK	3
12	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.1 ARC FLASH TRIP LINK	3
13	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TX No.2 ARC FLASH BATTERY LINK	3
14	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.2 ARC FLASH TRIP LINK	3
15	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TX No.3 ARC FLASH BATTERY LINK	3
16	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.3 ARC FLASH TRIP LINK	3
17	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2 LINE 3	2.5 2.5 2.5	ARC FLASH BYPASS BATTERY LINK NORMALLY OPEN	3
18	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.1 CURRENT CHECK LINK	3
19	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.1 CURRENT CHECK TRIP LINK	3
20	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.2 CURRENT CHECK LINK	3
21	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.2 CURRENT CHECK TRIP LINK	3
22	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.3 CURRENT CHECK LINK	3
23	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TX No.3 CURRENT CHECK TRIP LINK	3
24	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER HV OC BATTERY LINK	3
25	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER LOAD RELIEF BATTERY LINK	3
26	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER DIFFERENTIAL BATTERY LINK	3
27	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER OC & EF BATTERY LINK	3
28	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1	2.5	NOT IN SERVICE	3
29	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	CUSTOMER DC No.1 TRIP LINK	3
30	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	CUSTOMER DC No.2 TRIP LINK	3
31	C12	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	FS1 FS2 10B 1B MASTER BATT FUSES & LINKS	3
32	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	10A 1A 30V 'A' MASTER BATT LINKS	3
33	C23	GRAVOPLY No.259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	A B C N 415V AC VOLTAGE TEST TERMINALS	3



- NOTES:**
- THIS DRAWING SHOWS FREE STANDING TRANSFORMER PROTECTION PANELS & SCADA PANEL LAYOUTS TO BE USED AT RMCB 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.
  - LABELS ARE TO BE MADE AS SHOWN ON DRAWING 109241.
  - FOR PANEL SPECIFICATIONS REFER TO DRAWING 205952 Sheet 2.
  - ALL DIMENSIONS ARE IN MILLIMETRES.
  - LINKS SHOULD BE MOUNTED SO THAT THE MOVABLE LINK FALLS OPEN WHEN RELEASED.
  - TERMINALS AND RELAY CONNECTIONS ARE TO BE FITTED WITH CAUTION LABELS TO WARN OF THE 415V AC HAZARD. ANY EXPOSED TERMINALS ARE TO BE APPROPRIATELY COVERED. SELF-ADHESIVE CAUTION LABELS ARE TO BE FIXED TO THE REAR OF THE PANEL DOOR. THESE LABELS ARE TO READ:
 

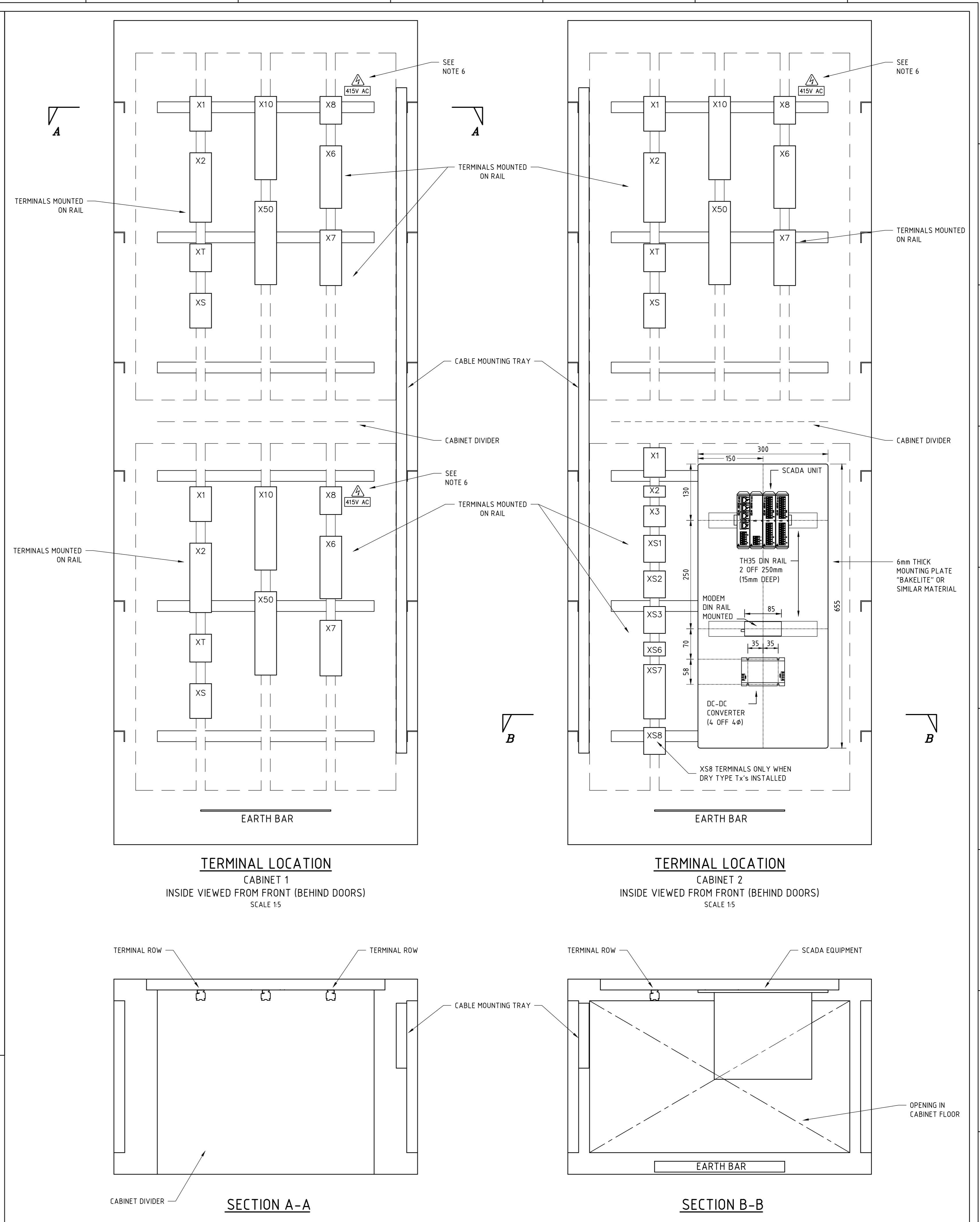
415V AC
  - THE TRIP INDICATOR IS LOCATED ON THE Tx PROTECTION PANEL & IS SUPPLIED BY AUSGRID. IT IS ONLY TO BE CUT OUT & INSTALLED ON THE Tx PROTECTION PANELS WHEN:
    - A DRY TYPE Tx HAS A THERMAL RELAY INSTALLED. BATTERY LINK BL-20A, THE THERMAL RELAY (TR) & A TRIP INDICATOR ARE TO BE CONNECTED. THE THERMAL RELAY IS LOCATED ON THE Tx & SUPPLIED BY THE Tx MANUFACTURER. REFER LABELS TABLE 1.
    - AN OIL TYPE Tx HAS BUCHHOLZ RELAY PROTECTION INSTALLED. BATTERY LINK BL-20A, THE BUCHHOLZ RELAY (BR) & A TRIP INDICATOR ARE TO BE CONNECTED. REFER LABELS TABLE 2.
  - MODEM TO BE MOUNTED AS SHOWN ON DIN RAIL (TH35).

**LABELS TABLE 1 FOR DRY TYPE Tx's WITH THERMAL PROTECTION**

LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
4	C7	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER THERMAL TRIP INDICATOR	3
28	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER THERMAL BATTERY LINK	3

**LABELS TABLE 2 FOR OIL TYPE Tx's WITH BUCHHOLZ PROTECTION**

LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
4	C7	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER BUCHHOLZ TRIP INDICATOR	3
28	C2	GRAVOPLY No.200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	TRANSFORMER BUCHHOLZ BATTERY LINK	3



**SCADA PANEL LEGEND**

TAGNAME	MFG	CATNO	DESC	REF DWG
BL_LK_TL	EUGAQUIP	MOULDED TYPE M6	BATTERY/TEST LINK	38841
DIFF	-	K3M	DIFFERENTIAL FUSE RELAY	113243
EB	-	-	EARTH BAR	-
FS1 FS2	RS30P Black	ALSTOM	FUSE - 2 31UD BALK CONNECTED	-
LV OCAF-A	SCHNEIDER ELECT.	MICROM P15	OVERCURRENT & EARTH FAULT RELAY	225082
TXP-B	SCHWEITZER	SEL-751	TRANSFORMER PROTECTION RELAY	-
TRP-1	RHS	3A32K37	TRIP INDICATOR TR-3 (0.2 ohm)	123399
VTT	MULTI CONNECT (RPS COMPONENTS)	SLBA-G	INSULATED TEST PANEL SOCKETS 1 x RED 23 3020 22 (14A-24A) 1 x WHITE 23 3020 29 (140A-250) 1 x BLUE 23 3020 23 (140A-250) 1 x BLACK 23 3020 21 (140A-200)	231226
X1 X2 X10	UTIFLOX	3820	RAIL MOUNTED TERMINAL	118547
X6 X7	UTIFLOX	3820	RAIL MOUNTED TERMINAL	118547
X8	UTIFLOX	H223B	RAIL MOUNTED TERMINAL - ORANGE	-
X50_XT	UTIFLOX	3820	RAIL MOUNTED TERMINAL	118547
XS1 - B	WEIDMULLER	SAK1	RAIL MOUNTED FUSE CAT No. 37676	-
XS	WEIDMULLER	SAKR	RAIL MOUNTED ISOLATING TERM CAT No.41226	-
EB	-	EB	CABINET EARTH BAR	-

<b>3</b> CAM COMPUTER AIDED MANUFACTURE	 24 Campbell Street SYDNEY NSW 2000 P. 9272 3805  ISSUED FOR CONSTRUCTION	SCALE DESIGNED L.MARTINUZZI DRAWN L.MARTINUZZI CHECKED M.BENNETT APPROVED M.BENNETT DATE 29/01/2018 TRIM REF DT1/884167	DISTRIBUTION SUBSTATIONS WITH RMCBS WITH EXPOSED BUSBAR LV BOARDS WITH FREE STANDING TX OAFD PROTECTION PANELS LAYOUT & LABEL DETAILS  DRAWING No <b>245777</b> SHEET 1 AMD 2 SIZE A0
		PROJECT NUMBER SM-14688	
		DRAWING No <b>245777</b> SHEET 1 AMD 2 SIZE A0	
		C&P - DISTRIBUTION SUBS	