

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

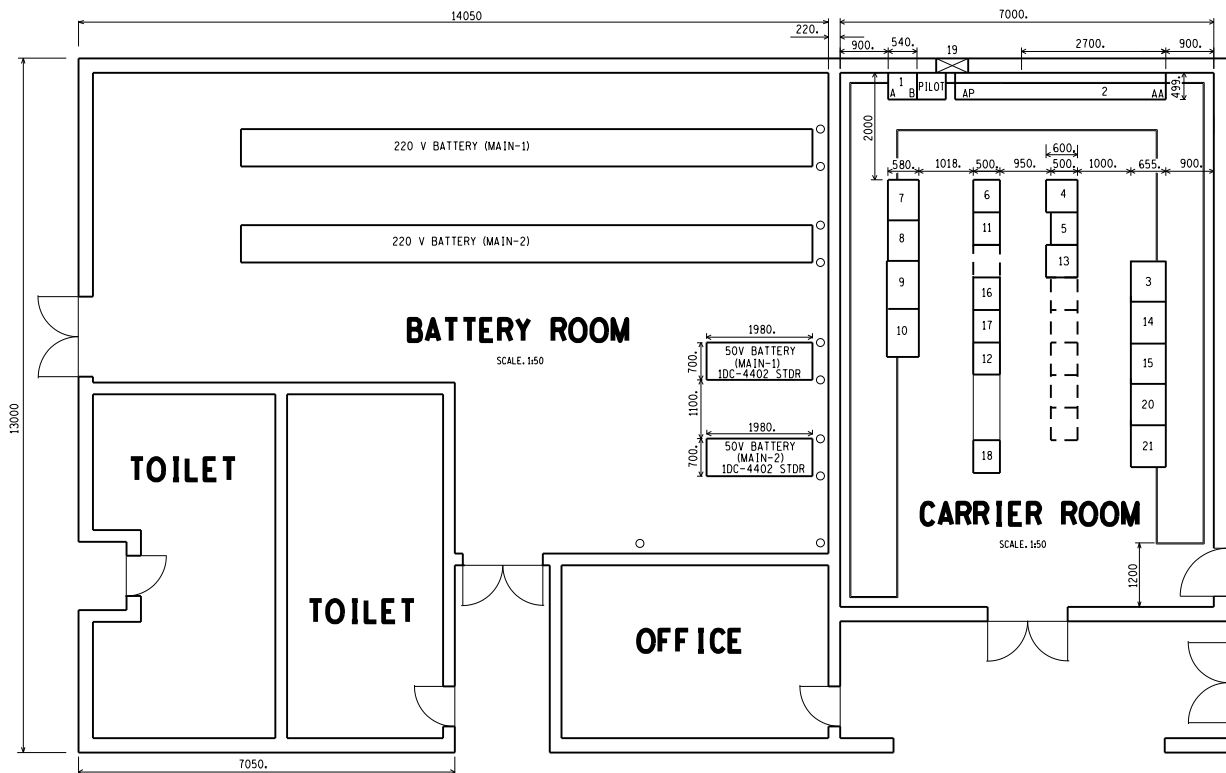
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PANEL SCHEDULE-CARRIER ROOM			
NUMBER	PANEL SIZE	PANEL DESCRIPTION	DRAWING NUMBER
1	540 X 500	IDF-1 (2 COLUMN) PILOT FRAME	0.18/ 15741
2	2700 X 500	IDF-2 (14 COLUMN)	0.18/ 15742
3	800 X 600	ERTU	0.18/
4	610 X 500	400kV FEEDER-2 ABB 541-SNOWDON	0.18/ 15731
5	610 X 500	400kV FEEDER-3 (BBC) EIGER	0.18/ 15732
6	610 X 500	VF TELEPROTECTION (UNIT-1)	0.18/ 15735
7	760 X 560	EQUIPMENT PANEL-1	0.18/ 15736
8	760 X 560	EQUIPMENT PANEL-2	0.18/ 15737
9	900 X 600	50V BATTERY CHARGER (MAIN-1)	0.18/ 15738
10	900 X 600	50V BATTERY CHARGER (MAIN-2)	0.18/ 15739
11	600 X 600	BME 3600 CABINET 1	
12	600 X 600	FIBRE OPTIC PANEL	
13	600 X 600	NSD TO EQUIPMENT PANEL	
14	600 X 600	RTU	
15	600 X 600	D400 PANEL	
16	600 X 600	ROUTER & NETWORK PANEL	
17	600 X 600	BEARER COMMS CABINET 1	
18	800 X 600	EMS 601 EXCHANGE	
19		WAVEGUIDE ENTRY PORTS	
20	600 X 600	D20 PANEL 1	
21	600 X 600	D20 PANEL 2	

PANEL SCHEDULE-CONTROL ROOM			
NUMBER	PANEL SIZE	PANEL DESCRIPTION	
1 & 1A	2 X 600	DC BOARD (CHARGER M1 & M2)	
2	1 X 900	DC BOARD (MAIN 1)	
3	1 X 900	DC BOARD (MAIN 2)	
4	1 X 1500	AC BOARD	
5	1 X 600	88 KV BUS ZONE	
6	1 X 600	88 KV BUS ZONE	
7	1 X 600	88 KV BUS ZONE	
8	1 X 600	275 KV BUS ZONE	
9	1 X 600	275 KV BUS ZONE	
10	1 X 600	275 KV BUS ZONE	
11	1 X 800	88 KV FEEDER 1 (FUTURE)	
12	1 X 800	88 KV FEEDER 2 (FUTURE)	
13	1 X 600	88 KV BUS COUPLER A	
14	1 X 600	88 KV BUS COUPLER A	
15	1 X 800	88 KV FEEDER 3	
16	1 X 800	SPARE	
17	1 X 600	88 KV FEEDER 4	
18	1 X 600	88 KV CAP BANK 1 (FUTURE)	
19	1 X 800	88 KV FEEDER 5 (FUTURE)	
20	1 X 800	88 KV FEEDER 6 (FUTURE)	
21	1 X 600	NO.1 88 KV BUS SECTION 1	
22	1 X 600	NO.1 88 KV BUS SECTION 1	
23	1 X 600	NO.2 88KV BUS SECTION 1 (FUTURE)	
24	1 X 600	NO.2 88KV BUS SECTION 1 (FUTURE)	
25	1 X 800	88 KV FEEDER 7	
26	1 X 800	88 KV FEEDER 8	
27	1 X 600	88KV CAP BANK 2 (FUTURE)	
28	1 X 600	88KV CAP BANK 2 (FUTURE)	
29	1 X 800	88KV FEEDER 9	
30	1 X 800	88KV FEEDER 10	
31	1 X 800	88 KV FEEDER 11	
32	1 X 800	88 KV FEEDER 12	
33	1 X 600	88KV BUS COUPLER B	
34	1 X 600	88KV BUS COUPLER B	
35	1 X 760	UNDERFREQUENCY PANEL	
36			
37			
38			

PANEL SCHEDULE-CONTROL ROOM			
NUMBER	PANEL SIZE	PANEL DESCRIPTION	
91	1 X 600	ALARM PANEL	
92	1 X 600	MEASUREMENTS PANEL (88KV)	
93	1 X 600	MEASUREMENTS PANEL (275KV)	
94	1 X 600	COUNTER MODULE PANEL	
95	1 X 600	SUMMATOR PANEL	
96	1 X 600	MEASUREMENTS PANEL 3	
97	1 X 600	INTERNAL TARIFF METERING-MAIN	
98	1 X 600	INTERNAL TARIFF METERING-CHECK	

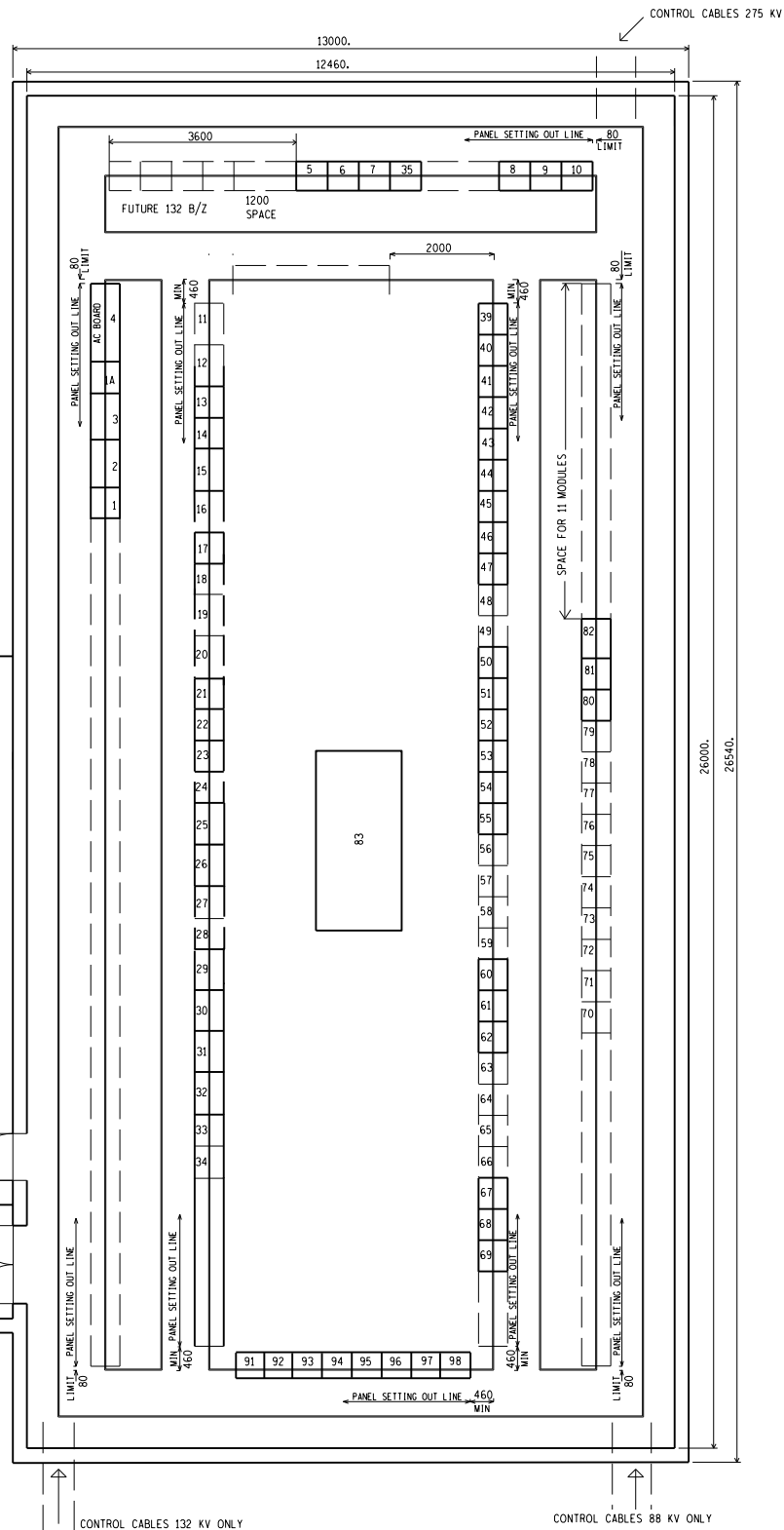
PANEL SCHEDULE-CONTROL ROOM							
NUMBER	PANEL SIZE	PANEL DESCRIPTION	DRAWING NUMBER	NUMBER	PANEL SIZE	PANEL DESCRIPTION	DRAWING NUMBER
39	1 X 600	275 KV FEEDER 2		65	1 X 600	275 KV FEEDER 5 (FUTURE)	
40	1 X 600	275 KV FEEDER 2		66	1 X 600	275 KV FEEDER 5 (FUTURE)	
41	1 X 600	275 KV FEEDER 2		67	1 X 600	275/88/22 KV TRFR 3	
42	1 X 600	275 KV FEEDER 2		68	1 X 600	275/88/22 KV TRFR 3	
43	1 X 600	275/88/22 KV TRFR 1		69	1 X 600	275/88/22 KV TRFR 3	
44	1 X 600	275/88/22 KV TRFR 1		70	1 X 600	275/132/22 KV TRFR 12 (FUTURE)	
45	1 X 600	275/88/22 KV TRFR 1		71	1 X 600	275/132/22 KV TRFR 12 (FUTURE)	
46	1 X 600	NO.1 275 KV BUS SECTION 1		72	1 X 600	275/132/22 KV TRFR 12 (FUTURE)	
47	1 X 600	NO.1 275 KV BUS SECTION 1		73	1 X 600	275 KV FEEDER 1 (FUTURE)	
48	1 X 600	NO.1 275 KV BUS SECTION 2 (FUTURE)		74	1 X 600	275 KV FEEDER 1 (FUTURE)	
49	1 X 600	NO.1 275 KV BUS SECTION 2 (FUTURE)		75	1 X 600	275 KV FEEDER 1 (FUTURE)	
50	1 X 600	275 KV BUS COUPLER B		76	1 X 600	275 KV FEEDER 1 (FUTURE)	
51	1 X 600	275 KV BUS COUPLER B		77	1 X 600	275/132/22 TRFR 11 (FUTURE)	
52	1 X 600	275 KV FEEDER 3		78	1 X 600	275/132/22 TRFR 11 (FUTURE)	
53	1 X 600	275 KV FEEDER 3		79	1 X 600	275/132/22 TRFR 11 (FUTURE)	
	1 X 600	275 KV FEEDER 3		80	1 X 600	275 KV BUS COUPLER A	
54	1 X 600	275 KV FEEDER 3		81	1 X 600	275 KV BUS COUPLER A	
55	1 X 600	275 KV FEEDER 4 (FUTURE)		82	1 X 760	COMPACTSTORE DISTURBANCE REC.	0.18/17784
56	1 X 600	275 KV FEEDER 4 (FUTURE)		83		IHM1	
57	1 X 600	275 KV FEEDER 4 (FUTURE)					
58	1 X 600	275 KV FEEDER 4 (FUTURE)					
59	1 X 600	275/88/22 KV TRFR 2					
60	1 X 600	275/88/22 KV TRFR 2					
61	1 X 600	275/88/22 KV TRFR 2					
62	1 X 600	275 KV FEEDER 5 (FUTURE)					
63	1 X 600	275 KV FEEDER 5 (FUTURE)					
64	1 X 600	275 KV FEEDER 5 (FUTURE)					



NOTES:
CONTROL ROOM PANELS SETTING OUT LINES (SOL) AND LIMITS ARE DESIGNED TO GIVE MAXIMUM NUMBER OF PANELS WHILE AFFORDING SUITABLE CLEARANCE AROUND DOORWAYS AND ACCESS TO REAR OF PANELS
IN GENERAL THE INITIAL PANEL ARRANGEMENT SHOULD BE DIMENSIONED FROM THE SOL, THE INITIAL AND FUTURE INSTALLATION OF PANELS, IF KNOWN, SHOULD BE DESIGNED TO SUIT SOL AND LIMITS. WHEN A FULL COMPLEMENT OF PANELS HAS BEEN INSTALLED ANY RESULTANT GAP BETWEEN PANELS BEING LESS THAN 760mm SHOULD BE SEALED WITH A M.S. CLOSURE PIECE HAVING SAME HEIGHT AS PANELS. FINALLY, IF IT IS FOUND THAT A FULL COMPLEMENT OF MIXED PANELS IS TO BE INSTALLED BETWEEN SOL THE 460mm DIMENSION CAN BE INCREASED (NOT DECREASED) SLIGHTLY TO AFFORD CENTRALISATION THIS SHOULD BE DONE BUT ONLY UP TO A MAXIMUM OF 510mm

CARRIER ROOM PANEL LAYOUT TO COMPLY WITH CRO1 SPECIFICATION FROM EED 9/24/2-1 REQUIREMENTS.

DETAIL 'x'
SCALE: 1:15
SHOWING SECTION OF CLOSING PIECE AT JUNCTION OF CORNER PANELS.



REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
12	NEW PANELS 10, 20 & 21 ADDED IN CARRIER ROOM NEW LOGO ADDED	SD	M. MURRAY	DDL	15/09/12
11	NEW FEEDER 4 BP	SEN	J.C.	L.L. ADITE	21/10/17
10	PANEL 12 REARRANGED	S.D	M.A.S	M.A. SHORT	08/10/2009
9	PANEL 3 AND 14 REARRANGED 12 ADDED	S.D	M.A.S	M.A. SHORT	08/10/2009
8	ADDED POS. 17, 18 & 19 IN CARRIER ROOM	D.B.	S.L.	R/98	
7	PANEL 82 ADDED	M.A.A.	P.A.K.	C.H.S.	5/98
6	ADDED ROUTER & NETWORK PANEL	L.A.	P.T.S.	P.A.K.	10/97
5	UNDERFREQUENCY PANEL ADDED (IN-30)	M.C.R		R.L.S.	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
PROJECT APPROVED	DESIGN APPROVED				
	K. PEACOCK				
DATE	DATE 18-5-1987				
PROJECT CHECKED	DESIGN CHECKED				
	P.T.G.				
DATE	DATE 18-5-1987				
PROJECT DRAWN BY	DESIGN DRAWN BY				
	M.A.				
DATE	DATE MAY 1987				
SCALE	SCALE AS SHOWN				
ESKOM HOLDINGS LIMITED REG. NO. 2002/015521/06					
BRENNER CONTROL ROOM LAYOUT					
0.18/15729					
12					