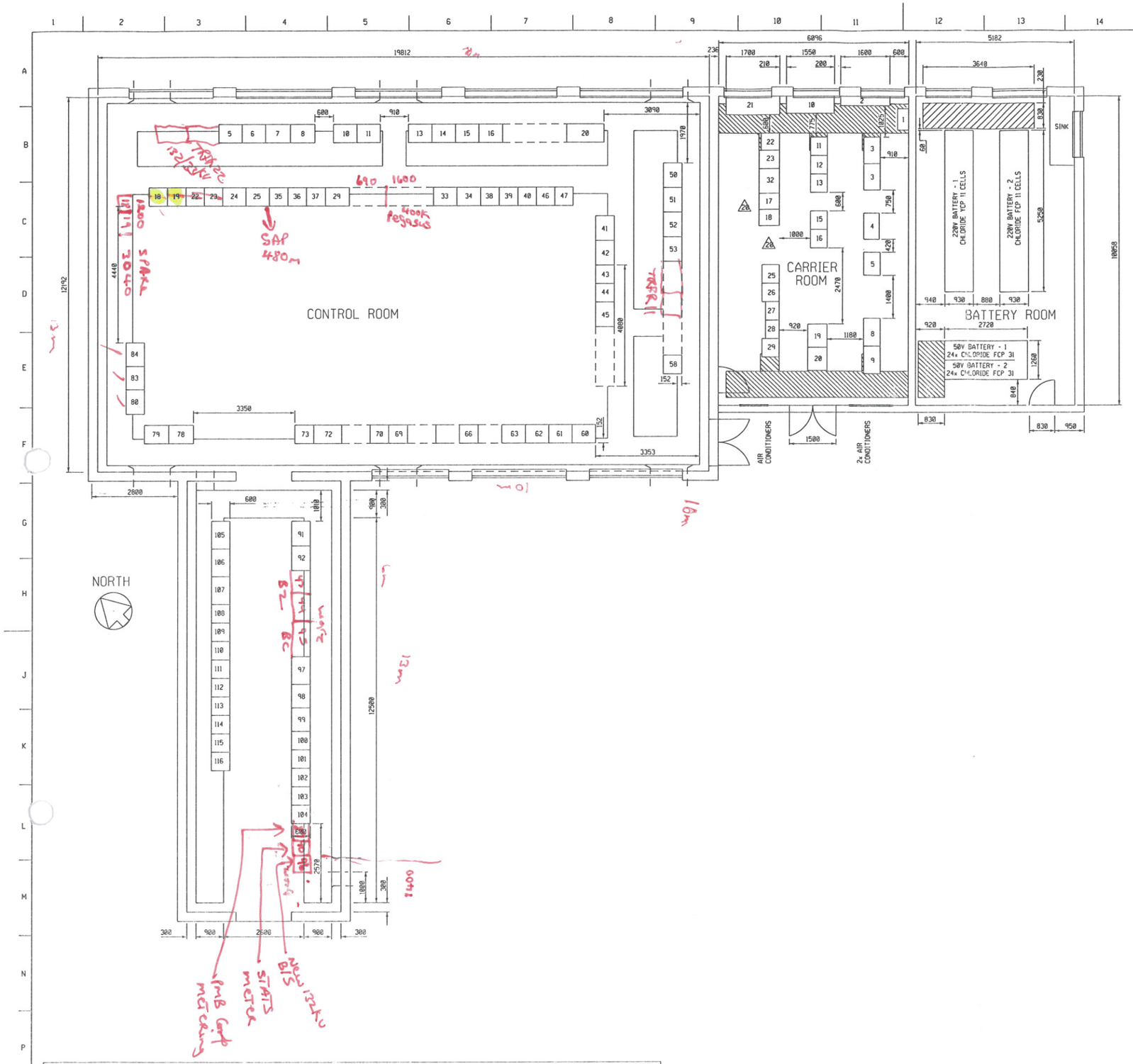

CONTRL ROOM SCHEDULE

PNL No.	DESIGNATION	PNL SIZE	CABLE DIAG.
1			
2			
3			
4			
5	400/275kV TRFR 1 & 2 TAP CHANGE PANEL	760 x 600	0.07/14141
6	400/275kV TRFR 3 & 4 TAP CHANGE PANEL	760 x 600	0.07/14142
7	400kV PHASE III BUS ZONE	800 x 600	0.07/17047
8	400kV PHASE III BUS ZONE	800 x 600	0.07/17047
9	SPARE		
10	SUPERVISORY AUX. PANEL	760 x 600	0.07/12095
11	SUPERVISORY AUX. PANEL	760 x 600	0.07/12097
12	SPARE	910	
13	BATTERY CHARGER MAIN 1	900 x 600	
14	DC BOARD MAIN 1	600 x 600	
15	DC BOARD MAIN 2	600 x 600	
16	BATTERY CHARGER MAIN 2	900 x 600	
17			
18	400kV BUSCOUPLER A	800 x 600	0.07/17971
19	400kV BUSCOUPLER A	800 x 600	0.07/17971
20	AC BOARD		
21			
22	400kV FEEDER 2 (PEGASUS)	800 x 600	0.07/17969
23	400kV FEEDER 2 (PEGASUS)	800 x 600	0.07/17969
24	400/275kV TRANSFORMER 2	760 x 600	0.07/14071
25	400/275kV TRANSFORMER 2	760 x 600	0.07/14071
26			
27			
28			
29	400kV BUS SECTION 2	760 x 600	
30			
31			
32			
33	400/275kV TRANSFORMER 3	760 x 600	0.07/14066
34	400/275kV TRANSFORMER 3	760 x 600	0.07/14066
35	400kV FEEDER 1 VENUS 1	600 x 600	0.07/17712
36	400kV FEEDER 1 VENUS 1	600 x 600	0.07/17712
37	400kV FEEDER 1 VENUS 1	600 x 600	0.07/17712
38	400kV FEEDER 3 CHIV 3	600 x 600	0.07/17714
39	400kV FEEDER 3 CHIV 3	600 x 600	0.07/17714
40	400kV FEEDER 3 CHIV 3	600 x 600	0.07/17714
41	275kV BUS ZONE	800 x 600	0.07/17722
42	275kV BUS ZONE	800 x 600	0.07/17722
43	400kV BUS COUPLER 'B'	600 x 600	0.07/17537
44	400kV BUS COUPLER 'B'	600 x 600	0.07/17537
45	400/275kV INTERTRIP PANEL	800 x 600	
46	400kV FEEDER 5 (HECTOR)	800 x 600	0.07/17970
47	400kV FEEDER 5 (HECTOR)	800 x 600	0.07/17970
48	SPARE		
49	SPARE		
50	275/132kV TRFR 12	800 x 600	0.07/17708
51	275/132kV TRFR 12	800 x 600	0.07/17708
52	275/132kV TRFR 13	800 x 600	0.07/17710
53	275/132kV TRFR 13	800 x 600	0.07/17710
54			
55			

PNL No.	DESIGNATION	PNL SIZE	CABLE DIAG.
56			
57			
58	U/F LOAD SHED. PANEL	610 x 600	
59			
60	275kV CAPACITOR BANK 2	600 x 600	0.07/17936
61	275kV CAPACITOR BANK 2	600 x 600	0.07/17938
62	275kV CAPACITOR BANK 1		
63	275kV CAPACITOR BANK 1	760 x 600	
64		760 x 600	
65			
66	275kV BUS COUPLER 'B'	610 x 600	0.07/11823
67			
68			
69	275kV BUS SECTION 1	610 x 600	
70	BLANK PANEL	610 x 600	
71			
72	TRANSFORMER 11 FUTURE (BLANK PANEL)	914 x 600	
73	275kV BUS COUPLER 'A'	610 x 600	
74			
75			
76			
77			
78	DISTURBANCE RECORDER (P531)	800 x 600	0.07/16773
79	DISTURBANCE RECORDER (P531)	800 x 600	0.07/16773
80	400kV DISTURBANCE RECORDER (FEEDER 2 AND 5)	800 x 600	0.07/17997
81			
82			
83	400/275kV TRFR 1	760 x 600	
84	400/275kV TRFR 1	760 x 600	
85	400kV TRANSFER BUS COUPLER 'A'	760 x 600	
86	400kV TRANSFER BUS COUPLER 'A'	760 x 600	
87	400kV TRANSFER BUS COUPLER 'A'	760 x 600	
88	400kV TRANSFER BUS COUPLER 'A'	760 x 600	
89			
90	SPARE		
91	132kV FDR 6 CORP.1	800 x 600	0.07/17669
92	132kV FDR 5 CORP.2	800 x 600	0.07/17688
93	METERING	610 x 600	
94			
95	132kV BUS COUPLER 'B' (NOT USED)	760 x 600	
96			
97	132kV FDR 1 MIZPAH	900 x 600	
98	132kV TRFR 22	760 x 600	
99	132kV BUS ZONE 2 - ZONE	760 x 600	
100	132kV FDR 2 BONNIE 1	600 x 600	
101	132kV BUS COUPLER 'B' C.P.	600 x 600	
102	132kV BUS COUPLER 'B' R.P.	600 x 600	
103	INTERNAL TARIFF MAIN	600 x 600	
104	INTERNAL TARIFF CHECK	600 x 600	
105	400kV FEEDER 5 HECTOR	900 x 600	0.07/17432
106	400kV FEEDER 5 HECTOR	900 x 600	
107	400kV FEEDER 5 HECTOR	900 x 600	
108	275kV FEEDER 6 AVON 2	600 x 600	0.07/17716
109	275kV FEEDER 6 AVON 2	600 x 600	
110	275kV FEEDER 6 AVON 2	600 x 600	
111	275kV FEEDER 5 AYON 1	600 x 600	0.07/17718
112	275kV FEEDER 5 AYON 1	600 x 600	
113	275kV FEEDER 5 AVON 1	600 x 600	
114	275kV FEEDER 2 GEORG 1	600 x 600	0.07/17720
115	275kV FEEDER 2 GEORG 1	600 x 600	
116	275kV FEEDER 2 GEORG 1	600 x 600	

CARRIER ROOM SCHEDULE

PNL No.	DESIGNATION	PNL SIZE	CABLE DIAG.
1	MDF (3 VERTICALS) WALL MOUNTED	700 x 350	
2	MDF (6 VERTICALS) WALL MOUNTED	1600 x 310	
3	ATE (DOUBLE CABINET)	2 x 860 x54	
4	SIEMENS EMS 601	850 x 510	
5	EQUIPMENT PANEL	750 x 540	
6	SPARE		
7	SPARE		
8	50V CHARGER 1 - (BEING REPLACED)	900 x 600	
9	50V CHARGER 2 - (BEING REPLACED)	900 x 600	
10	MDF (7 VERTICALS)	1550 x 560	
11	AVON PROTECTION B & D	600 x 540	
12	AVON PROTECTION A & C	600 x 540	
13	RIVERSIDE, CORPORATION 1 & 2 PROTECTION	600 x 540	
14	SPARE		
15	VENUS A & B PROTECTION	600 x 540	
16	CHIVELSTON A PROTECTION 3	600 x 540	
17	D20 RTU	600 x 600	
18	D400 - DATA MANAGER	600 x 600	
19	INTERPOSING RELAY PANEL 1	760 x 620	
20	INTERPOSING RELAY PANEL 2	760 x 620	
21	IDF (SPEECH(B VERTICALS)	1700 x 600	
22	~~GE TELEPROJECTION~~ SPARE	560 x 580	
23	ERTU	600 x 640	
24	SPARE		
25	TX-284 RX-280 GEORGEDALE 2 HECTOR	600 x 540	
26	TX-260 RX-256 GEORGEDALE 1 2	600 x 540	
27	~~PEGASUS B TX-184 RX-180 (MAIN 2)~~	600 x 430	
28	~~PEGASUS A TX-128 RX-132 (MAIN 1)~~	600 x 430	
29	~~KLARWATER A & B CB-80~~	600 x 540	
30	SPARE		
31	SPARE		
32	ERTU	800 x 610	

REV	REVISION DESCRIPTION	DATE	BY	CHKD	AUTH	DATE
19	400kV FEEDER 2, FEEDER 5, BUSCOUPLER A AND DN ADDED	SJT	SJH	WJK	07/08	
18	NEW LOGO/TITLE BLOCK IMPLEMENTED CAPACITOR BANK 1 & 2 PANELS REPOSITIONED	MG	CJH	HJD	06/08	
17	REMOVED 400kV FEEDER 2 & RE-POSITIONED 400kV FEEDER 1	SH	EJDP	WKP	07/02	
16	MERSEY REVN	SA	EJDP	WKP	02/02	
15	132kV FDR 5 & 6 PROTECTION FIGURE ADDED	JJS	A.S.L.	RJV/BWG	01/12	
14	OLD B/C PNLS REMOVED, NEW 400kV B/C 'B' ADDED & 400kV PNL DESIGN UPDATED	MCB	LLS	E.DAL/BOCK	15/6	
13	REDRAWN ON CADLINK'S REV.5/SEDEE'S 0.07/11270,0.07/18546 & 0.07/18594 AS BUILT AFTER SUB-STATION WALKDOWN					
12	CARRIER ROOM REVISED TARIFF METERING ADDED	MHV	PAH		03/05/01	
11	400kV PHASE III BUS ZONE PANELS ADDED	PAH	PAH		01/02/01	
10	2 DISTURBANCE RECORDER PANELS ADDED, PANEL DESIGNATION UP-DATED		PAH		07/09/00	
9	400/275kV TRFR1 PANELS RE-POSITIONED	PA			17/02/00	
8	CARRIER ROOM REDRAWN 400/275kV TRFR1 PNL RECORDING & ALARM PERTURBOGRAPH PANEL, 400kV B/C 'E', 275kV FDR.7, EXT CONTROL ROOM ADDED	PA			00/12/08	
7	PANELS 1 TO 35 ADDED & 400kV FDR.1 WAS FUTURE	SD		RJW	17/09/98	
6	LOAD STUDY AND UNDER FREQUENCY LOAD SHEDDING PANELS ADDED	DEV			05/09/95	
5	ADDED 400kV PANELS PERTURBO & FUT.132kV PANELS	FH			31/05/94	16593 MICROWAVE BATTERY POS
4	TRANSDUCER PANELS ADDED	AT	BRB		29/01/93	15874 CONTROL BLDG. EXT.CIVIL
3	275/132kV TRFR 2 & 3 TCP 2 MOV TCP 3	AT	BRB		04/12/91	11829 CONTROL BUILDING CIVIL
2	CARRIER ROOM REVISED	AT	BRB		09/12/91	10720 KEY PLAN
1	CARRIER EQUIPMENT ADDED & PANELS ADDED	AT	BRB		31/05/91	11664 TRENCH COVER LAYOUT
						11827 BUILDING DRAWING
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	0.07/ REFERENCE DRAWINGS

20	PANELS 17 & 18 ADDED, PANEL 24 REMOVED.	DOTTE	DH	AMPS	04-2003
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE

PROJECT APPROVED — DESIGN APPROVED — DATE
PROJECT CHECKED — DESIGN CHECKED — DATE
DRAWN BY: R.VECO — DESIGN DRAWN BY — DATE: 14/05/1996

Eskom Transmission

ESKOM HOLDINGS LIMITED REG NO. 2002/015527/06

MERSEY

CONTROL, CARRIER & BATTERY ROOM EQUIPMENT LAYOUT

0.07/11348

SHEET NUMBER 1 — REVISION 20