22kV OVERHEAD LINE 2
22kV OVERHEAD LINE 1
Ø 2AJC01 GS301
Ø 0AJC
Ø 1AJC01 GS301
COLOGNE SUB
ETR SUPPLY
CSY
CSY
Ø 0AJC03GA001
SA2
Ø 0AJC03GS301
Ø 0AJC01GA001
SA2
Ø 0AJC01GS301
Ø 0AJC02GA001
SA2
Ø 0AJC02GS301
Ø 0AJC04GA001
SA2
Ø 0AJC04GS301
Ø 0AJC09GA001
SA2
Ø 0AJC09GS301
Ø 0AJC07GA001
SA2
Ø 0AJC07GS301
Ø 0AJC05GA001
SA2
Ø 0AJC05GS301
Ø 0AJC06GA001
SA2
Ø 0AJC06GS301
Ø 0AJC08GA001
SA2
Ø 0AJC08GS301
Ø 0AJC10GA001
SA2
Ø 0AJC10GS301
Ø 3BBT10
22kV/11kV
7MVA
YNyn0
Ø 3BBT20
22kV/11kV
7MVA
YNyn0
Ø 0AJC03 GT001
22kV/230V VT
Ø 1BTX41
BTU
Ø 0AJC01 GT001
22kV/230V VT
Ø 1BTX21
BTU
Ø 0AJC02 GT001
22kV/230V VT
Ø 1BTX22
BTU
Ø 0AJC04 GT001
22kV/230V VT
Ø 1BTX42
BTU
Ø 0AJC07 GT001
22kV/230V VT
Ø 1BTX81
BTU
Ø 0AJC05 GT001
22kV/230V VT
Ø 1BTX61
BTU
Ø 0AJC06 GT001
22kV/230V VT
Ø 1BTX62
BTU
Ø 0AJC08 GT001
22kV/230V VT
Ø 1BTX82
BTU
Ø 1BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 1
Ø 2BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 2
Ø 5BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 5
Ø 6BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 6
Ø 0BDT51
22kV/3,3kV
10MVA
Dyn11
Ø 0BDT52
22kV/3,3kV
10MVA
Dyn11
Ø 0BDT55
22kV/3,3kV
10MVA
Dyn11
Ø 0BDT56
22kV/3,3kV
10MVA
Dyn11
Ø 1BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 1A
Ø 2BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 1B
Ø 5BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 3A
Ø 6BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 3B
03
SPARE
CONVEYOR S6A DRIVE 2
Ø 0EAC15AF100A -M01
CONVEYOR S6A DRIVE 1
Ø 0EAC15AF100A -M01
CONVEYOR S5A DRIVE 2
Ø 0EAC14AF100B -M01
CONVEYOR S5A DRIVE 1
Ø 0EAC14AF100A -M01
Ø 0BFU11
3,3kV/400V
1600kVA
Dyn11
Ø 0BFU12
3,3kV/400V
1600kVA
Dyn11
CONVEYOR S5B DRIVE 1
Ø 0EAC24AF100 -M01
CONVEYOR S5B DRIVE 2
Ø 0EAC24AF100 -M02
CONVEYOR S6B DRIVE 1
Ø 0EAC25AF100 -M01
CONVEYOR S6B DRIVE 2
Ø 0EAC25AF100 -M02
3,3kV/380V
200kVA
MINI-SUB "B"
Ø 5BLP01
SPARE
200kVA
3,3kV/380V
MINI-SUB "A"
Ø 5BLP01
CONVEYOR S4A DRIVE
Ø 0EAC13AF100 -W01
CONVEYOR S3A DRIVE
Ø 0EAC12AF100 -W01
CONVEYOR S1A DRIVE 2
Ø 0EAC11AF100 -W02
CONVEYOR S1A DRIVE 1
Ø 0EAC11AF100 -W01
SPARE
Ø 0BFU15
3,3kV/400V
1600kVA
Dyn11
SPARE
CONVEYOR S1B DRIVE 1
Ø 0EAC21AF100 -W01
CONVEYOR S1B DRIVE 2
Ø 0EAC21AF100 -W02
CONVEYOR S2B DRIVE
Ø 0EAC22AF100 -W01
CONVEYOR S4B DRIVE
Ø 0EAC23AF100 -W01
MINI-SUB "C"
Ø 7BLP01
3,3kV/380V
200kVA
Ø 0BFU16
3,3kV/400V
1600kVA
Dyn11
Ø 1BFN
380V COAL STOCKYARD
SERVICE BOARD 1A
Ø 2BFN
380V COAL STOCKYARD
SERVICE BOARD 1B
Ø 5BFN
380V COAL STOCKYARD
SERVICE BOARD 3A
Ø 6BFN
380V COAL STOCKYARD
SERVICE BOARD 3B
Ø 1BDS
3,3kV STACKER/RECLAIMER BOARD 1
Ø 2BDS
3,3kV STACKER/RECLAIMER BOARD 2
Ø 9BFN
380V POTABLE WATER P/HSE.BD.
Ø 0BJT10
3,3kV/400V
630kVA
Ø 0BJT11
3,3kV/400V
630kVA
Ø 1BJS
380V STACKER/RECLAIMER BOARD 1
380V STACKER/RECLAIMER BOARD 2
Ø 2BJS
Ø 7BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 7
Ø 8BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 8
Ø 0BDT57
22kV/3,3kV
2MVA
Dyn11
Ø 0BDT58
22kV/3,3kV
2MVA
Dyn11
Ø 7BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 4A
Ø 8BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 4B
Ø 0BJT20
22kV/990V
350kVA
Dyn11
Ø 0BJB
990V KHUTALA RESERVOIR FEEDPUMP STATION BOARD
SUPPLIED BY RAND MINES
Ø 3BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 3
Ø 4BBK
22kV COAL STOCKYARD
DISTRIBUTION BOARD 4
Ø 0BDT53
22kV/3,3kV
10MVA
Dyn11
Ø 0BDT54
22kV/3,3kV
10MVA
Dyn11
Ø 3BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 2A
Ø 4BDF
3,3kV COAL STOCKYARD
SERVICE BOARD 2B
SPARE
SPARE
CONVEYOR S8A DRIVE
Ø 0EAC17AF100 -W01
CONVEYOR CS 2A DRIVE
Ø 0EAC16AF100 -W01
CONVEYOR CS 2B DRIVE
Ø 0EAC27AF100 -W01
CONVEYOR S8B DRIVE
Ø 0EAC26AF100 -W01
Ø 0BFU13
3,3kV/400V
1600kVA
Dyn11
Ø 0BFU14
3,3kV/400V
1600kVA
Dyn11
Ø 3BFN
380V COAL STOCKYARD
SERVICE BOARD 2A
Ø 4BFN
380V COAL STOCKYARD
SERVICE BOARD 2B
Ø 0BHU91
22kV/400V
50kVA
Dyn11
Ø 0BHK
380V DIRTY WATER PUMPSTATION BOARD
CONVEYOR CS 1A DRIVE
Ø 0EAC20AF100 -W01
Ø 0BFU17
3,3kV/400V
1600kVA
Dyn11
Ø 0BFU18
3,3kV/400V
1600kVA
Dyn11
CONVEYOR CS 1B DRIVE
Ø 0EAC20AF100 -W01
Ø 7BFN
380V COAL STOCKYARD
SERVICE BOARD 4A
Ø 8BFN
380V COAL STOCKYARD
SERVICE BOARD 4B
Ø 4BBC02 AA001
11kV SUB STATION SOUTH BOARD 2B
Ø 3BBC12 AA001
11kV SUB STATION SOUTH BOARD 2A
Ø 2BBA14
11kV STATION BOARD 2
Ø 1BBA02
11kV STATION BOARD 1

27	6	F. MAPULANE	00.00.00	REVISED AS PER KKS QUERY 677	N.V.	
27	5	B. LAWRENCE	29/12/94	ADDED TRANSFORMER Ø 3BBT20 AND Ø 4BBC02 PANEL, BUSBAR & CIRCUIT. REMOVED Ø 0AJC01GS301.	L.K.	A.K.
	4		18/5/90	SUP. 24/90 "IT'S Ø 0AJC01 GT001 TO Ø 0AJC01 GT001 ADDED	T.D.P.	
	3	G.M.RAMOS	21/09/88	FEEDER TO 22kV CSY BDS. 7,5,6 & 8 REVISED.	H.D.S.	S.J.S.
	2	G.M.RAMOS	11.5.88	JOB NO. 219/88 TRANSFORMER Ø 3BBT10 ADDED.	G.E.S.	B.C.J.
	1	G.M.RAMOS	24.3.88	FOR TIT/DT 3,3kV COAL STOCKYARD SERVICE BD 1A-6A CIRCUIT NUMBERS DEL.	S.LOCH	B.C.J.
	0			FIRST ISSUE / EERSTE UITREIKING		
SUS	REV	AUTH MAG	DATE DATUM	REVISION/REVISIES INDEX REF./INDEKSVERW. B1.3 E2.4 E2.5	BY DEUR	CHKD NAGES

SHEET 2: STATION & UNIT D.C. SINGLE LINE ELECTRIC DIAGRAM
STATION & UNIT: MV & LV SINGLE LINE ELECTRIC DIAGRAM
SHEET 1: COVER SHEET
0.64 REFERENCE DRAWINGS / VERWYSINGSTEKENINGE

DRAWN / GETEKEN	M. BROWN	18/07/86	
CHKD NAGES	I. HILL	7/8/86	
	D. SHAW	4/8/86	
	J.G.H.	5/8/86	
SCALE SKAAL			

APPROVED: A. MORRISON 8/8/86
GOEDGEKEUR: B. VAN WYK 6/8/86

ESKOM

KENDAL POWER STATION
COAL STOCKYARD MV & LV SINGLE LINE ELECTRIC DIAGRAM SHEET 3

0.64 /12388 REV 6

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM, ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.
C.A.D. REF: [101,176]12388K003.R06

SIZE GROOTTE A0L