






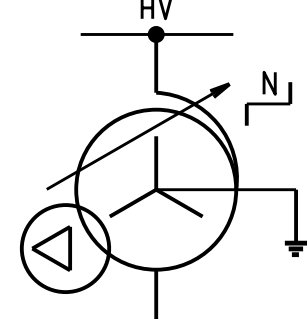


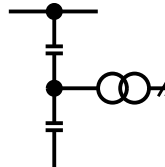



**FINAL DESIGN  
FOR CONSTRUCTION**

C.B. RATING		BAY		DESCRIPTION	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5	STAGE 6	STAGE 7
A	KA				1990			1992	2004	2007	2013
-	-	FEEDER 1		SPARE							
3150	50	FEEDER 2		BENBURG 1	✓				✓		
3150	50	FEEDER 3		ESSELEN 1	✓				✓		
4000	50	FEEDER 4		NEVIS 1	✓					CB CHANGED IS CHANGED	
4000	50	FEEDER 5		NEVIS 2	✓						
3150	50	FEEDER 6		KRUISPUNT (I WAS KOMATI 1)				✓	✓		✓
3150	50	BUS COUPLER 'A'			✓				✓		
3150	50	BUS COUPLER 'B'			✓				✓		
3150	50	No.1 BUS SECTION 1			✓				✓		
3150	50	No.2 BUS SECTION 1			✓				✓		

400 kV GEN. TRANSFORMERS								
C.B. RATING		BAY	DESCRIPTION	STAGE 1 1990	STAGE 2	STAGE 3	STAGE 4	STAGE 5 2005
A	KA							
3150	50	GEN. TRFR 1	700MVA Dyn1	✓				✓
3150	50	GEN. TRFR 2	700MVA Dyn1	✓				✓








[illegible]

	CIRCUIT BREAKER		CURRENT TRANSFORMER
	ISOLATOR ROTATING CENTRE POST		ELECTROMAGNETIC VOLTAGE TRANSFORMER
	ISOLATOR CENTRE BREAK		MOTORIZED SWITCHGEAR
	ISOLATOR PANTOGRAPH		AUTO (WITH TAP CHANGER)
	EARTH SWITCH	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"><p>NOTE: 'N' REPRESENTS NUMBER OF TAPS</p></div>	
	LINE TRAP		
	CAPACITIVE VOLTAGE TRANSFORMER		AUXILIARY TRANSFORMER

1. ISOLATOR BLADES OPENING DIRECTION SHOWN GEOGRAPHICALLY CORRECT.
2. 400KV CIRCUIT BREAKERS MARKED THUS :

4. STATION BATTERY VOLTAGE 220 V D.C.

4. STATION BATTERY VOLTAGE 220 V D.C.

SUBSTATION DESIGN DESIGN CHECKED		SUBSTATION DESIGN DESIGN APPROVED				ESKOM Z	
R.J. COOPER		P. PEIRCE					
DATE 25/08/1976		DATE 17/09/1976					
SECONDARY PLANT DESIGN CHECKED		SECONDARY PLANT DESIGN APPROVED					
P.C. BRIANT		P.C. BRIANT					
DATE 25/08/1976		DATE 25/08/1976					
SCALE: 1:1		SCALE: 1:1					
0.47/3636		0.47/3636					
0.47/3636		0.47/3636					
0.47/3636		0.47/3636					

0.47/3636	SHEET
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