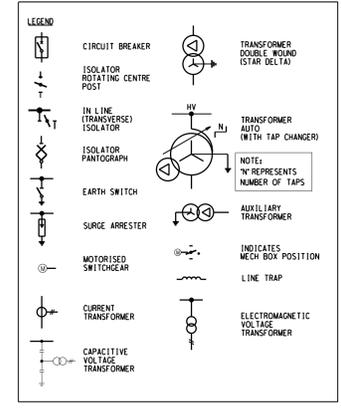


400kV				
C.B. RATING	BAY		2011	2025
A	kA			
4000	50	FEEDER 1		
4000	50	FEEDER 2		
4000	50	FEEDER 3		
4000	50	FEEDER 4		
4000	50	FEEDER 5		
4000	50	FEEDER 6		
4000	50	SVC		
4000	50	BUSBAR REACTOR		
4000	50	BUS COUPLER A		
4000	50	BUS COUPLER B		
4000	50	TRANSFER BUS COUPLER A		
4000	50	BUSBAR 1 BUS SECTION 1		
4000	50	BUSBAR 2 BUS SECTION 1		
4000	50	BUSBAR 2 BUS SECTION 2		

132kV				
C.B. RATING	BAY	DESCRIPTION	2011	2025
A	kA			
		FEEDER 1		
		FEEDER 2		
		FEEDER 3		
3150	40	FEEDER 4		
3150	40	FEEDER 5		
3150	40	FEEDER 6		
3150	40	FEEDER 7		
3150	40	FEEDER 8		
3150	40	FEEDER 9		
3150	40	FEEDER 10		
3150	40	FEEDER 11		
3150	40	FEEDER 12		
3150	40	FEEDER 13		
3150	40	FEEDER 14		
3150	40	BUS COUPLER A		
3150	40	BUS COUPLER B		
3150	40	BUSBAR 1 BUS SECTION 1		
3150	40	BUSBAR 2 BUS SECTION 1		
3150	40	BUSBAR 2 BUS SECTION 2		
3150	40	BUSBAR 2 BUS SECTION 2		
3150	40	BUSBAR 2 BUS SECTION 2		
3150	40	CAP BANK 11		
3150	40	CAP BANK 12		
3150	40	CAP BANK 13		

400/132kV TRANSFORMERS				
C.B. RATING	BAY	DESCRIPTION	2011	2025
kV	A	kA		
400				
132				
400	4000	50		
132	3150	40		
400	4000	50		
132	3150	40		
400	4000	50		
132	3150	40		
400	4000	50		
132	3150	40		

NOTES:  
 1. C.T. BUS ZONE TURNS RATIO  
 400kV 1/1600  
 132kV 1/1200  
 2. STATION BATTERY VOLTAGE 110V DC.



**FINAL DESIGN FOR CONSTRUCTION**  
 ORIGINAL DRG #: 0.18/19709-05  
 CONCEPT DRG #: MOO21P05-SE-C3 REV 0  
 DETAIL DRG #: MOO21P05-SE-D6 REV 1

SUBSTATION DESIGN CHECKED		SUBSTATION DESIGN APPROVED		DATE: 14/08/2025	DATE: 15/08/2025	DATE: 14/08/2025	DATE: 14/08/2025	DATE: 14/08/2025	DATE: 14/08/2025
DESIGNER: R Ramnarain		DRAWN BY: R Ramnarain		DATE: 14/08/2025	DATE: 15/08/2025	DATE: 14/08/2025	DATE: 14/08/2025	DATE: 14/08/2025	DATE: 14/08/2025
SCALE: NTS		MOOKODI STATION ELECTRIC DIAGRAM		Eskom Holdings SOC Ltd		Reg No 2002/015527/30		MOO21P05-SE-E3	