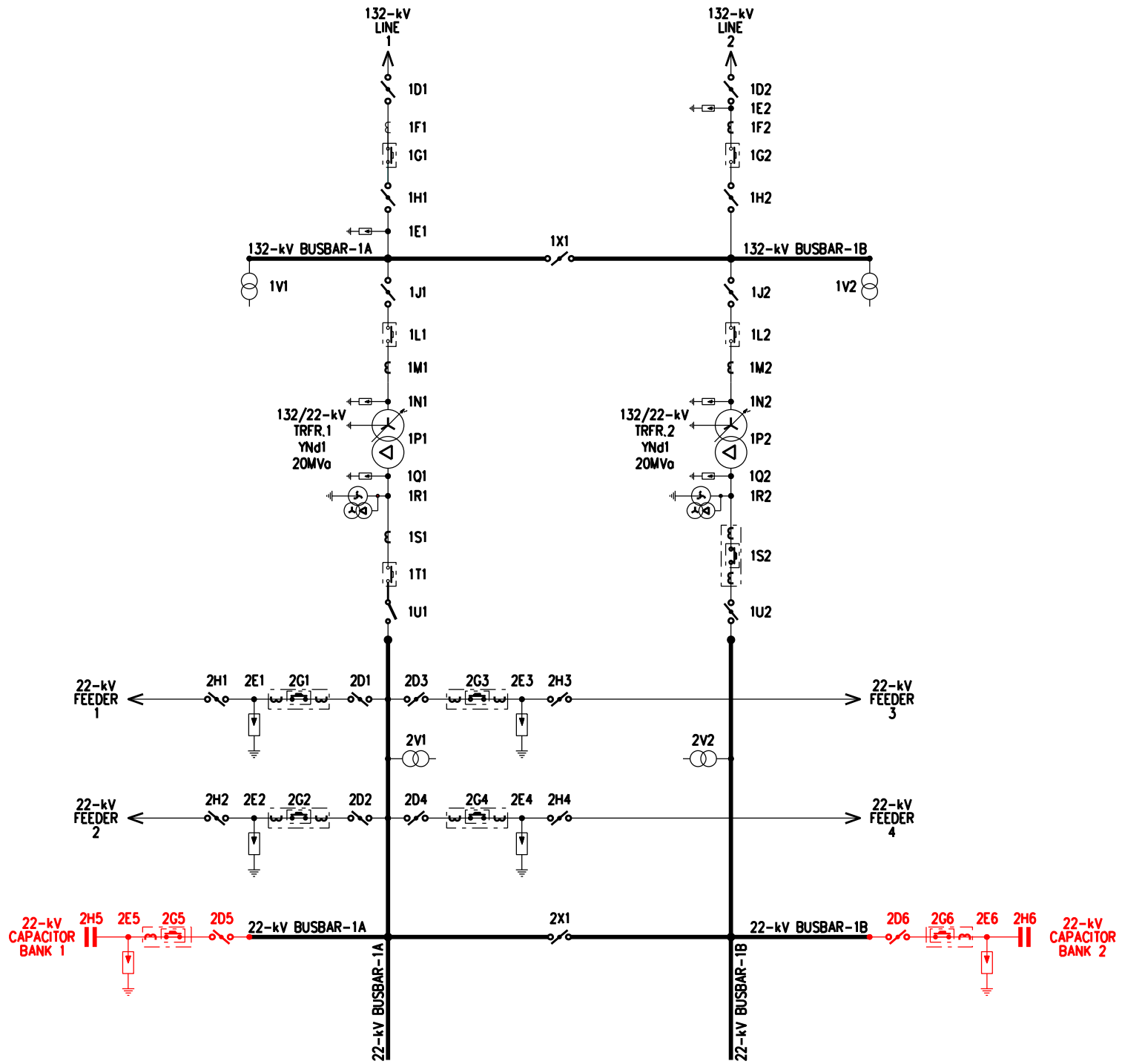

ITEM	DESCRIPTION	ITEM	DESCRIPTION	ITEM	DESCRIPTION
132-kV FEEDER 1		132/22-kV TRANSFORMER 2		22-kV BUSBAR-1A&1B	
1D1	132-kV LINE-1 ISOLATOR	1J2	132-kV B/B-1 ISOLATOR	2V1	22-kV B/B-1A VT'S
1E1	132-kV SA'S	1L2	132-kV BREAKER	2X1	22-kV BUS SECTION
1F1	132-kV CT'S	1M2	132-kV CT'S	2V2	22-kV B/B-1B VT'S
1G1	132-kV BREAKER	1N2	132-kV SA'S		
1H1	132-kV B/B-1 ISOLATOR	1P2	132/22-kV TRFR.2 (20MVa)	22-kV CAPACITOR BANK 1	
		1Q2	22-kV SA'S	2D5	22-kV B/B-1A ISOLATOR
132-kV FEEDER 2		1R2	22-kV NEC/R T2	2E5	22-kV SA'S
1D2	132-kV LINE-2 ISOLATOR	1T2	22-kV KIOSK BREAKER	2G5	22-kV BREAKER
1E2	132-kV SA'S	1U2	22-kV B/B-1B ISOLATOR	2H5	22-kV CAPACITOR BANK
1F2	132-kV CT'S				
1G2	132-kV BREAKER	22-kV FEEDER 1		22-kV CAPACITOR BANK 2	
1H2	132-kV B/B-1 ISOLATOR	2D1	22-kV B/B-1A ISOLATOR	2D6	22-kV B/B-1B ISOLATOR
		2E1	22-kV SA'S	2E6	22-kV SA'S
132-kV BUSBAR 1A & 1B		2G1	22-kV KIOSK BREAKER	2G6	22-kV BREAKER
1V1	132-kV B/B-1A VT'S	2H1	22-kV LINE-1 ISOLATOR	2H6	22-kV CAPACITOR BANK
1X1	132-kV ISOLATOR				
1V2	132-kV B/B-1B VT'S	22-kV FEEDER 2			
		2D2	22-kV B/B-1A ISOLATOR		
132/22-kV TRANSFORMER 1		2E2	22-kV SA'S		
1J1	132-kV B/B-1 ISOLATOR	2G2	22-kV KIOSK BREAKER		
1L1	132-kV BREAKER	2H2	22-kV LINE-2 ISOLATOR		
1M1	132-kV CT'S				
1N1	132-kV SA'S	22-kV FEEDER 3			
1P1	132/22-kV TRFR.1 (20MVa)	2D3	22-kV B/B-1A ISOLATOR		
1Q1	22-kV SA'S	2E3	22-kV SA'S		
1R1	22-kV NEC/R T1	2G3	22-kV KIOSK BREAKER		
1S1	22-kV CT'S	2H3	22-kV LINE-3 ISOLATOR		
1T1	22-kV BREAKER				
1U1	22-kV B/B-1A ISOLATOR	22-kV FEEDER 4			
		2D4	22-kV B/B-1A ISOLATOR		
		2E4	22-kV SA'S		
		2G4	22-kV KIOSK BREAKER		
		2H4	22-kV LINE-4 ISOLATOR		

REV	DRAWN	CHKD	APPROVED	DATE	REVISION DESCRIPTION
03	SN	--	--	--	22-kV CAPACITOR BANKS ADDED
02				22/11/2022	AS BUILT
00	TOB	SB	JKR 11/9/17	19/10/16	FIRST ISSUE

CHECKED	AUTHORIZED
S Baijnath 11/9/2017	J K Raghubir 11/9/2017
DRAWN	
T D O'Brien 19/10/2016	Eskom Distribution
SCALE NTS	

MAKHATHINI SUBSTATION
132/22-kV
SINGLE LINE DIAGRAM
(THIS IS NOT AN OPERATING DIAGRAM)

ER00024		
SET	SHEET	REVISION
16	00	03

A3