

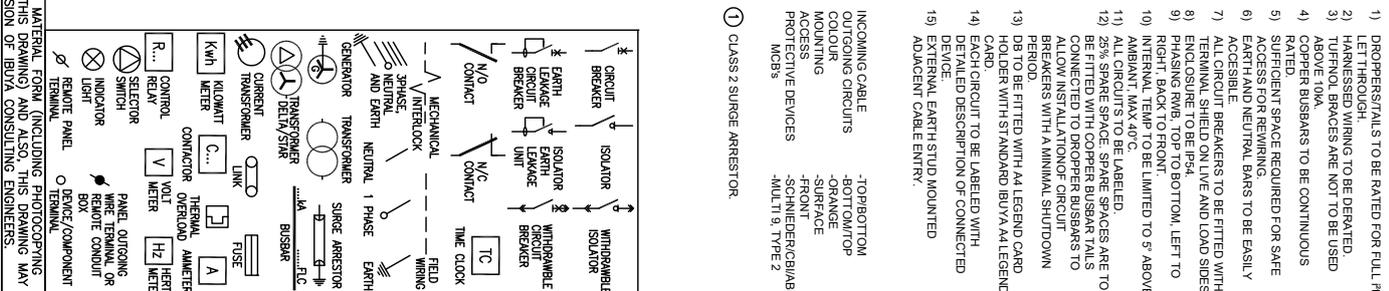
FIELD CIRCUIT No. PHASE	DESIGNATION	WIRING	LOAD (AMPS) No. OF POINTS
	INCOMER FROM MANUAL CHANGEOVER No.1	50mm ² 4 CORE PVC SWA PVC ECC CABLE	X X X
	INVERTER LOAD DB	50mm ² 4 CORE PVC SWA PVC ECC CABLE	XX XX X
	INVERTER OUTPUT DB	50mm ² 4 CORE PVC SWA PVC ECC CABLE	X X X

REV: 0	Original Issue	NG 27/05/25	KS	23044	413	1 of 1	0
DESCRIPTION	BY	DATE	CHKD	FILE Name :	DRAWN	SHEET	REV.
					NG	1 of 1	
					3/05/24		
					PAPER SIZE: A3		
					SCALE: NTS		
					CHKD: KS		

TITLE	ENGINEER	DATE	SCALE
SAPS MSINSINI POLICE STATION	K. Singh	3/05/24	NTS
DRAWING TITLE	PROJECT No.	SHEET	CHKD
Changeover Distribution Board Single Line Diagram	23044	1 of 1	KS

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IBUVA Consulting Engineers
POWERING DEVELOPMENT



- NOTES
- 1) DROPERS/TALS TO BE RATED FOR FULL IN LET THROUGH.
 - 2) HARNESSED WIRING TO BE DERATED.
 - 3) TUFFNOL BRACES ARE NOT TO BE USED ABOVE 10KA.
 - 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
 - 5) SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS TO TERMINALS.
 - 6) EARTH AND NEUTRAL BARS TO BE EASILY ACCESSIBLE.
 - 7) ALL CIRCUIT BREAKERS TO BE FITTED WITH TERMINAL SHIELD ON LIVE AND LOAD SIDES.
 - 8) ENCLASURE TO BE IP54.
 - 9) PHASING RWB, TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
 - 10) INTERNAL TAMP TO BE LIMITED TO 5' ABOVE AMBANT TAMP NOT TO BE LABELED.
 - 11) 25% SPARE SPACE ABOVE BUSBARS.
 - 12) 25% SPARE SPACE. SPARE SPACES ARE TO BE FITTED WITH COPPER BUSBAR TALS TO ALLOW INSTALATION OF CIRCUIT BREAKERS WITH A MINIMAL SHUTDOWN PERIOD.
 - 13) DB TO BE FITTED WITH A LEGEND CARD HOLDER WITH STANDARD BOVA A4 LEGEND AND CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVEICE.
 - 14) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.

① CLASS 2 SURGE ARRESTOR

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