

FIELD	CIRCUIT NO. PHASE	DESIGNATION	WIRING	CABLE NO. LOAD (AMPS) No. OF POINTS
		INCOMER FROM MANUAL CHANGE-OVER PANEL	2x95mm ² 4C PVC SWA PVC ECC Cu CABLE	
		DB-AE	16mm ² 4C PVC SWA PVC ECC Cu CABLE	
		DB-BE	16mm ² 4C PVC SWA PVC ECC Cu CABLE	
		DB-CE	16mm ² 4C PVC SWA PVC ECC Cu CABLE	
		DB-LGF-E	16mm ² 4C PVC SWA PVC ECC Cu CABLE	
		DB-GH	16mm ² 2C PVC SWA PVC ECC Cu CABLE	
		DB-LG-E	16mm ² 2C PVC SWA PVC ECC Cu CABLE	
		SPARE		
		SPARE		

REV	DESCRIPTION	BY	DATE	CHKD	FILE NAME
0	Original Issue	NG	27/05/25	KS	32309-405

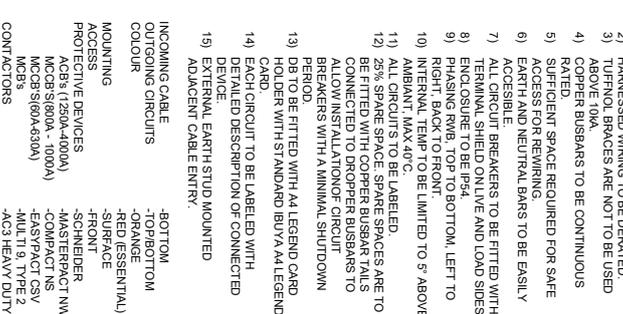
ENGINEER	KS	DRAWN	NG	DATE	22/08/24	SCALE	n.l.s	CHKD.	KS
PROJECT NO.	23044	DRAWING NO.	414	SHEET	1 of 1	PAPER SIZE	A3	REV.	0

NOT WITHSTANDING ANYTHING TO THE CONTRARY, ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED IN ANY MATERIAL FORM (INCLUDING PHOTOCOPIING MAY OR STORING IN ANY MEDIUM OR BY ELECTRONIC MEANS WHETHER OR NOT TRANSPARENTLY OR INCIDENTALLY TO SOME OTHER USE OF THIS DRAWING) AND ALSO THIS DRAWING MAY NOT BE USED FOR ANY PURPOSE OR REASON OTHER THAN FOR WHICH IT WAS ORIGINALLY ISSUED, WITHOUT THE WRITTEN PERMISSION OF IBUA CONSULTING ENGINEERS.

TITLE
SAPS MSINSINI
Police Station

DRAWING TITLE
DB-INVERTER LOAD
Single Line Diagram

- ① CLASS 1 SURGE ARRESTOR
- NOTES**
- 1) DROPERS/TALLS TO BE RATED FOR FULL IN LEFT THROUGH.
 - 2) TERMINATED WIRING TO BE DERATED.
 - 3) ABOVE 100A CIRCUITS ARE NOT TO BE USED RATED.
 - 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
 - 5) SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REMOVAL.
 - 6) EARTH AND NEUTRAL BARS TO BE EASILY ACCESSIBLE.
 - 7) ALL CIRCUIT BREAKERS TO BE FITTED WITH ENCLOSURE TO BE PAINTED AND LOAD SIDES RIGHT, BACK TO FRONT.
 - 8) PHASING RWB, TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
 - 9) INTERNAL TEMP TO BE LIMITED TO 5° ABOVE AMBIANT, MAX 40°C.
 - 10) ALL CIRCUITS TO BE LABELED.
 - 11) 25% SPARE SPACE, SPARE SPACES ARE TO BE FITTED WITH COPPER BUSBAR TAILS CONNECTED TO DROPPER BUSBARS TO PROVIDE MAINTENANCE OF BUSBAR BREAKERS WITH A MINIMAL SHUTDOWN PERIOD.
 - 12) DB TO BE FITTED WITH A1 LEGEND CARD.
 - 13) DB TO BE FITTED WITH ST ANDARD IBUYA A1 LEGEND CARD.
 - 14) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVICE.
 - 15) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.



IBUA Consulting
ENGINEERS
BLOCK D
66 SESEX TERRACE
WESTVILLE
P.O. BOX 1692
WANDSWICK 3631

TEL: +27 (0)31 2867332
FAX: +27 (0)31 2867340
Email: iby@ibuya.co.za

POWERING DEVELOPMENT™