

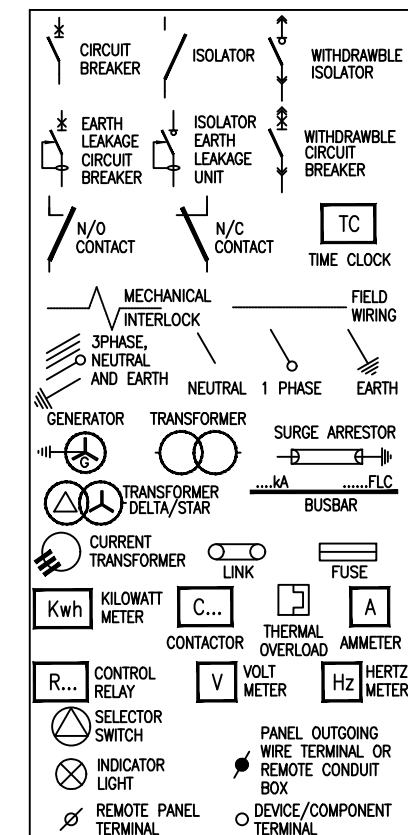
- 1) DROPPERS/TAILS TO BE RATED FOR FULL FLT LET THROUGH.
- 2) HARNESSSED WIRING TO BE DERATED.
- 3) TUFFNOL BRACES ARE NOT TO BE USED ABOVE 10KA.
- 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
- 5) SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
- 6) EARTH AND NEUTRAL BARS TO BE EASILY ACCESSIBLE.
- 7) ALL CIRCUIT BREAKERS TO BE FITTED WITH TERMINAL SHIELD ON LIVE AND LOAD SIDES.
- 8) ENCLOSURE TO BE IP54.
- 9) PHASING RVWB, TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
- 10) INTERNAL TEMP TO BE LIMITED TO 5° ABOVE AMBIANT, MAX 40°C.
- 11) ALL CIRCUITS TO BE LABELED.
- 12) 25% SPARE SPACE. SPARE SPACES ARE TO BE FITTED WITH COPPER BUSBAR TAILS CONNECTED TO DROPPER BUSBARS TO ALLOW INSTALLATION OF CIRCUIT BREAKERS WITH A MINIMAL SHUTDOWN PERIOD.
- 13) DB TO BE FITTED WITH A4 LEGEND CARD HOLDER WITH STANDARD IBUYA A4 LEGEND CARD.
- 14) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVICE.
- 15) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.

INCOMING CABLE	-BOTTOM
OUTGOING CIRCUITS	-TOP/BOTTOM
COLOUR	-ORANGE
	-RED (ESSENTIAL
MOUNTING	-SURFACE
ACCESS	-FRONT
PROTECTIVE DEVICES	-SCHNEIDER
ACB'S (1250A-4000A)	-MASTERPACT NW
MCCB'S(800A - 1000A)	-COMPACT NS
MCCB'S(60A-630A)	-EASYPACT CSV
MCB'S	-MULTI 9, TYPE 2
CONTACTORS	-AC3 HEAVY DUTY

FIELD	CIRCUIT No.	PHASE	DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS
			INCOMER FROM BUILDING MAIN LV BOARD	50mm ² 4 CORE PVC SWA PVC ECC CABLE	X	X
			MANUAL CHANGOVER NO.2	25mm ² 4 CORE PVC SWA PVC ECC CABLE	X	X
			INVERTER FEEDER DB	25mm ² 4 CORE PVC SWA PVC ECC CABLE	X	X

JMK

Approved in Principle
Justin McKelvie-King
Pr Eng : 20120548



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					ENGINEER	DRAWN	DATE:	SCALE: n.t.s	CHKD.
					MK	CW		PAPER SIZE: A3	MK
0	Original Issue	CW	13/09/24	MK	PROJECT No. 32307	DRAWING No. 415	SHEET:		REV. 0
REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 32307_415 Lyr:				

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TITLE	Makhaza Police Station Electrical Installation
DRAWING TITLE:	Manual Changeover Distribution Board Single Line Diagram

