

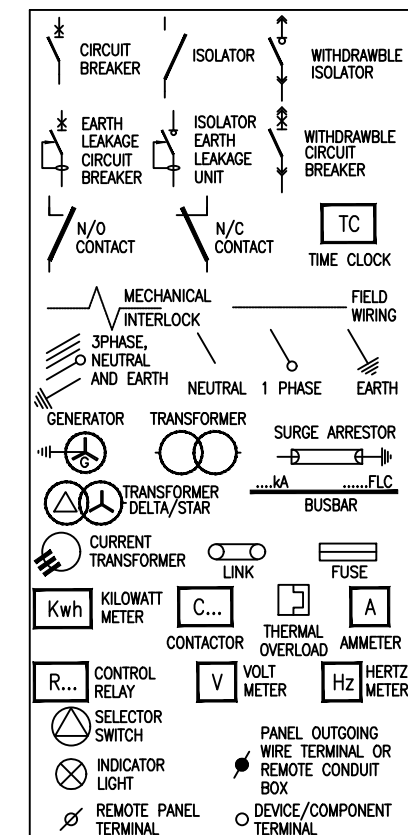
- 1) DROPPERS/TAILS TO BE RATED FOR FULL FLT LET THROUGH.
- 2) HARNESSSED WIRING TO BE DERATED.
- 3) TUFFNOL BRACES ARE NOT TO BE USED ABOVE 10KA.
- 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
- 5) SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
- 6) EARTH AND NEUTRAL BARS TO BE EASILY ACCESSIBLE.
- 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



NOT WITHSTANDING ANYTHING TO THE CONTRARY, ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED IN ANY MATERIAL FORM (INCLUDING PHOTOCOPYING OR STORING IN ANY MEDIUM OR BY ELECTRONIC MEANS WHETHER OR NOT TRANSIENTLY 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 IBUYA CONSULTING ENGINEERS.

					ENGINEER	DRAWN	DATE:	SCALE: n.t.s	CHKD.
					MK	CW		PAPER SIZE: A3	MK
					PROJECT No.	DRAWING No.	SHEET:		REV.
0	Original Issue	CW	13/09/24	MK	32308	414			0
REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 32308_414	Lyr:			

NOT BE USED FOR ANY PURPOSE OR REASON OTHER THAN FOR WHICH IT WAS ORIGINALLY ISSUED, WITH	
TITLE	Samora Machel Police Station Electrical Installation
DRAWING TITLE:	Manual Changeover Distribution Board Single Line Diagram

