

(1) CLASS 1 SURGE ARRESTOR

NOTES

- 1) DROPPERS/TAILS TO BE RATED FOR FULL i2t LET THROUGH.
 HARNESSED WIRING TO BE DERATED.
- TUFFNOL BRACES ARE NOT TO BE USED ABOVE 10kA.
- COPPER BUSBARS TO BE CONTINUOUS RATED.
- SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
- 6) EARTH AND NEUTRAL BARS TO BE EASILY
- ACCESIBLE. ALL CIRCUIT BREAKERS TO BE FITTED WITH
- TERMINAL SHIELD ON LIVE AND LOAD SIDES 8) ENCLOSURE TO BE IP54.
- PHASING RWB, 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 INSTALLATIONOF CIRCUIT BREAKERS WITH A MINIMAL SHUTDOWN PERIOD.
- 13) DB TO BE FITTED WITH A4 LEGEND CARD HOLDER WITH STANDARD IBUYA A4 LEGEND
- 14) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVICE.

 15) EXTERNAL EARTH STUD MOUNTED
- ADJACENT CABLE ENTRY.

INCOMING CABLE **OUTGOING CIRCUITS** MOUNTING ACCESS PROTECTIVE DEVICES ACB's (1250A-4000A)

MCCB'S(800A - 1000A) MCCB'S(60A-630A)

CONTACTORS

-TOP/BOTTOM -SURFACE -FRONT -SCHNEIDER -MASTERPACT NW -COMPACT NS -EASYPACT CSV -MULTI 9, TYPE 2 -AC3 HEAVY DUTY

WITHDRAWBLE ISOLATOR **ISOLATOR** BREAKER ISOLATOR EARTH LEAKAGE UNIT WITHDRAWBLE CIRCUIT BREAKER LEAKAGE TC N/O CONTACT TIME CLOCK MECHANICAL VINTERLOCK 3PHASE, NEUTRAL AND EARTH NEUTRAL 1 PHASE EARTH GENERATOR TRANSFORMER SURGE ARRESTOR **€** CURRENT TRANSFORMER FUSE KILOWATT THERMAL AMMETER CONTACTOR Hz HERTZ METER R... CONTROL RELAY SELECTOR SWITCH PANEL OUTGOING WIRE TERMINAL OR REMOTE CONDUIT Ø REMOTE PANEL TERMINAL O DEVICE/COMPONENT TERMINAL 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 INCIDENTLY 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: CHKD. TITLE n.t.s PAPER SIZE: MK MK CW А3 DRAWING TITLE: PROJECT No. DRAWING No. SHEET: REV.

Lyr:

20A

20A

Å

D2

SSO'

DEDICATED

4mm² 4C | PVC ECC C

Approved in Principle

Justin McKelvie-King

Pr Eng: 20120548

Å

D1

SSO'

DEDICATED

4mm² 4C F PVC ECC C

 \oplus

AC1

4mm² 4C | PVC ECC C

20A

 \oplus

AC2

Cu CABLE

4mm² 4C | PVC ECC C

Makhaza Police Station **Electrical Installation**

DB-CE

32307 0 410 CW 13/09/24 2 of 2

CHKD. File Name : 32307_410

From Sheet 1

16A

/

L17

LIGHTS

PVC SWA CABLE

54 C D

2,5mm² 4 PVC ECC

L20

LIGHTS

EXTERNAL

PVC SWA CABLE

2,5mm² 4C F PVC ECC Cu

BY

DATE

•

L16

LIGHTS

PVC SWA CABLE

4 Cu

2,5mm² 4 PVC ECC

16A

20A

Ճ

Ρ1

SWITCHED OUTLET

SINGLE S

4mm² 4C | PVC ECC C

20A

16A

_

L15

LIGHTS

: 4C PVC SWA C Cu CABLE

0 Original Issue

DESCRIPTION

Single Line Diagram