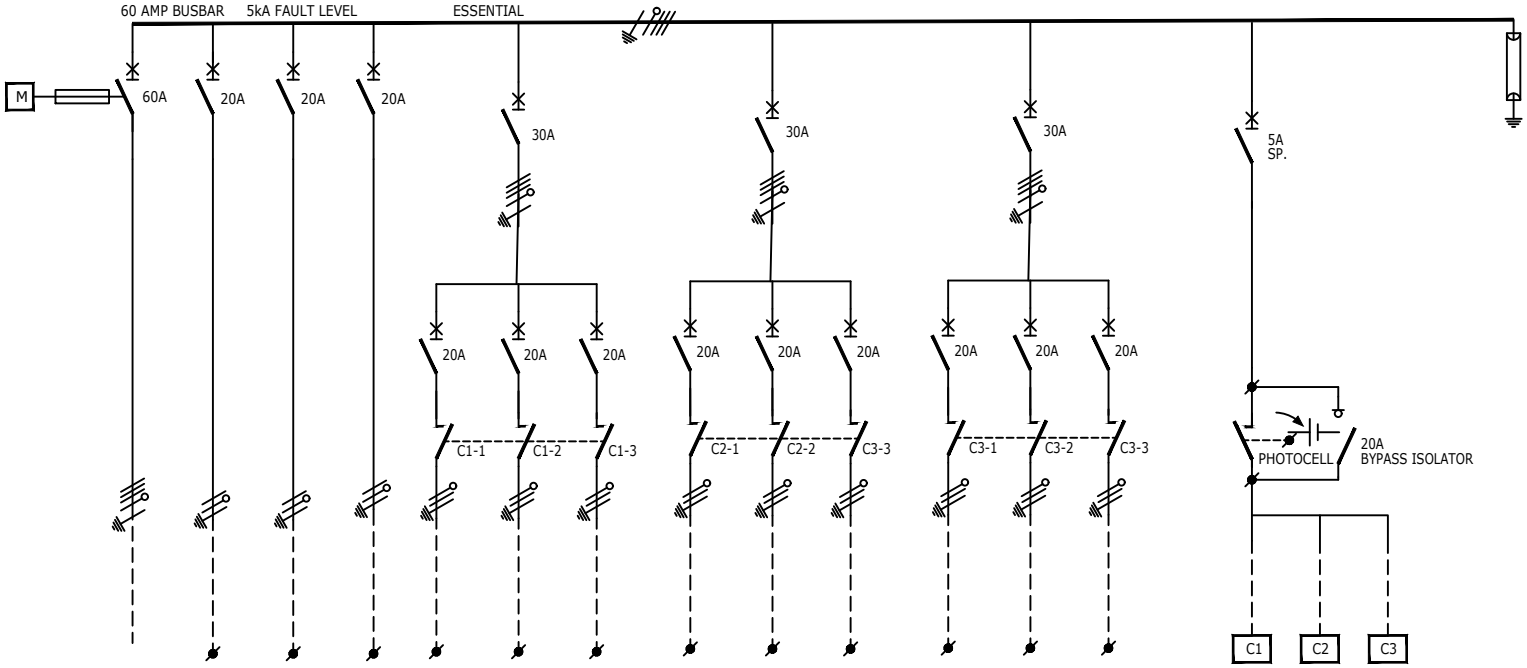
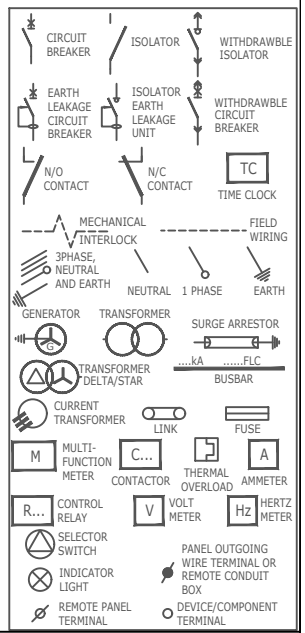



NOTES

1) DROPPERS/TAILS TO BE RATED FOR FULL $I^2t$ 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) ALL OUTGOING CIRCUIT BREAKERS TO BE FITTED WITH COPPER TAILS TO FACILITATE CABLE TERMINATIONS IN THE CABLE CHAMBER AND NOT ON THE CIRCUIT BREAKER.
6) COPPER TAILS FROM DROPPER BUSBAR AND OUTGOING COPPER TAILS TO BE ADEQUATELY BRACED FOR FAULT LEVEL AND SHROUDED WITH HEAT SHRINK.
7) ALL CIRCUIT BREAKERS TO BE FITTED WITH TERMINAL SHIELD ON LIVE AND LOAD SIDES.
8) ENCLOSURE TO BE IP65.
9) 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) CHANGEOVER TO BE CONTROLLED BY STANDBY GENERATOR CONTROLLER.

| | |
|---|---|
| PANEL: RED | -ESSENTIAL |
| BLUE | -UPS |
| INCOMING CABLE | -CABLES/ TOP |
| OUTGOING CIRCUITS | -CABLES / TOP |
| COLOUR | -WHITE |
| MOUNTING | -FLOOR STANDING |
| ACCESS | -FRONT / REAR |
| 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 |
| METERS | -SCHNEIDER PM3255 |

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| 0 | Original Issue | NG | 10/05/24 | MH |

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| S.Nzama | NG | May '24 | n.t.s | |
| | | | PAPER SIZE: A3 | |

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TITLE: Ikageng Police Station

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Single Line Diagram

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