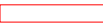

































ELECTRICAL DRAWING

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|-------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|
|  | 1x20W FLOURECENT WTH DIFFUSER |  | 2 GANG 2 WAY SWITCH |
|  | 1x15W CEILING MOUNTED FITTING |  | T.P.N. DISTRIBUTION BOARD |
|  | 1x15W WALL BRACKET FITTING |  | 4x25W CHANDERLIER CEILING FITTING |
|  | 1x15W EXTERNAL LIGHT FITTING |  | 1x15 AMP SOCKET OUTLET |
|  | FIRE ALARM SIREN |  | 1X13 AMP SOCKET OUTLET |
|  | 32W EXTERNAL LIGHT ON POLES |  | 4500 COOKER CONTROL UNIT |
|  | 120W 1.4M CEILING FAN |  | 3000W WATER HEATER POINTS |
|  | SMOKE EXTRACTOR |  | TELEPHONE OUTLETS |
|  | 3 GANG 1 WAY SWITCH |  | TELEVISION AERIAL OUTLET |
|  | 1 GANG 1 WAY SWITCH |  | LIGHTING KIOSK |
|  | BED SWITCH |  | ELCB |
|  | 1 x 15W BOWL FITTING |  | 2x13AMP SOCKETS OUTLET |
|  | 2 x 40W FLOURESCENT |  | FIRE ALARM PANEL |
|  | 10W ENERGY SAVING BULBS |  | 10W ENERGY SAVING REFLECTIVE MULTI COLORED SPOT LIGHT |
|  | 125W EXTENAL LIGHTING ON 3M POLE STAND |  | 200W EXTENAL LIGHTING ON 5M POLE STAND |
|  | 250W WATER PROOF LIGHT FITTING |  | SMOKE ALARM DETECTOR |

Notes

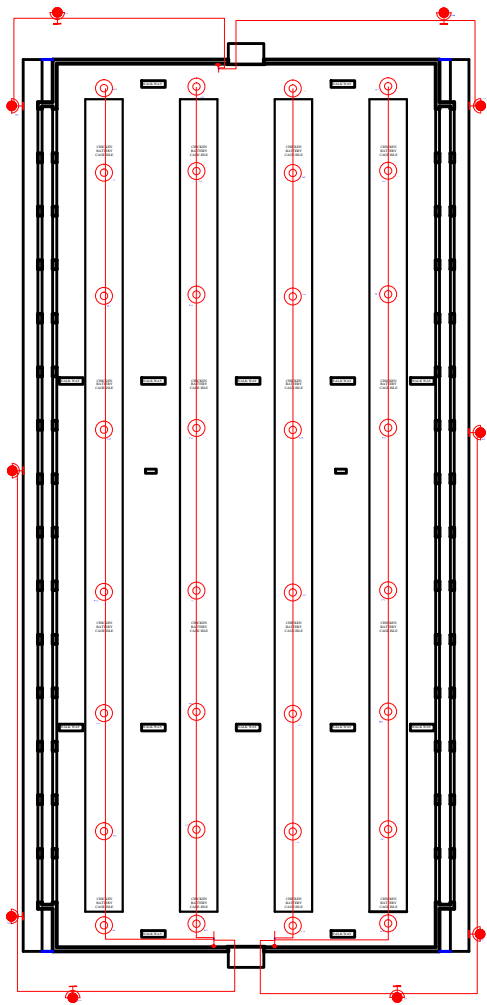
ELECTRICAL NOTES:
All electrical works to be done in accordance with these drawings and the general specifications for electrical instalations works according to IEE regulations
Wiring shall be full concealed conduit via P.V.C conduit pipes of 20mm Ø

Cable shall be PVC insulated armoured and non armoured (copper conductors)
All 5A switches and ceiling fan regulators shall be wired and mounted at the height of 1.4m above finished floor level
All 13A SSO shall be wired in ring circuit and mounted at 0.40m above finished floor level
Good earthing system must be ensured by burying 1.2m earth electrode for the elcb boards

PROPOSED POULTRY HOUSE
DEVELOPMENT

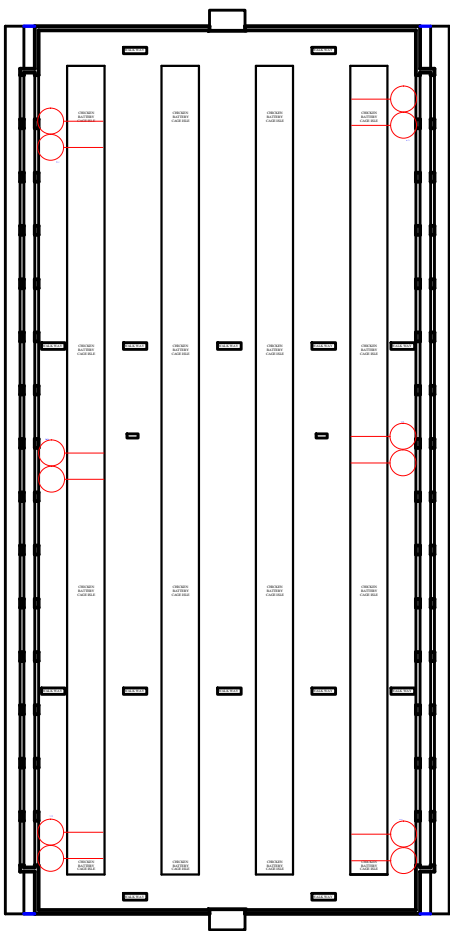
ELECTRICAL
DRAWING

| | | |
|-------------|-------------------|----------|
| DESIGNED BY | ABDULLAHI | SHEET NO |
| CHECK BY | ENGR. SHAYA DAVID | 1 |
| PHONE NO | 07030683526 | |



FLOOR ELECTRICAL LIGHTING PLAN

| | | | | | | | |
|------------------------------------------------------------------|--|--------------------------------------------------|---------------------|-------------------|-------------|-------------------|----------|
| <div>PROJECT</div> <div>PROPOSED POULTRY HOUSE DEVELOPMENT</div> | | <div>CONTENT</div> <div>ELECTRICAL DRAWING</div> | <div>LOCATION</div> | <div>CLIENT</div> | SHEET TITLE | | |
| | | | | | DESIGNED BY | ABDULLAH | SHEET NO |
| | | | | | CHECK BY | ENGR. BHAYA DAVID | 2 |
| | | | | | PHONE NO | 07030083555 | |



FLOOR ELECTRICAL SOCKETS PLAN

| | | | | | | | | | | |
|------------------------------------|--|--------------------|--|----------|--|--------|--|-------------|--|-------------------|
| PROJECT | | CONTENT | | LOCATION | | CLIENT | | SHEET TITLE | | |
| PROPOSED POULTRY HOUSE DEVELOPMENT | | ELECTRICAL DRAWING | | | | | | DESIGNED BY | | |
| | | | | | | | | ABDULLAH | | SHEET NO |
| | | | | | | | | CHECK BY | | ENGR. SHAYA DAVID |
| | | | | | | | | PHONE NO | | 07050683586 |
| | | | | | | | | | | 3 |

PLAN ANALYSIS FOR LOAD SCHEDULE FOR
P/G HOUSE CU-G

| CIRCUIT NO | | LH1 | SH1 | ACH1 | | TOTAL |
|------------------|-----|-----|-----|------|--|-------|
| PHASE & LOAD | RED | 345 | 285 | 1440 | | 2,070 |
| PEAK LOAD | | 345 | 800 | 2400 | | |
| WAY NO | | 1 | 2 | 3 | | |
| NO OF POINTS | | 23 | 19 | 6 | | |
| DIVERSITY FACTOR | | 0.8 | 0.8 | 0.6 | | |

1.5mm PVC SINGLE CORE NIGERIAN CABLE

2.5mm PVC SINGLE CORE NIGERIAN CABLE

4.0mm PVC SINGLE CORE NIGERIAN CABLE

| | | | | |
|------|-------------------------------------|----|----|----|
| MCB | 10 | 30 | 20 | 30 |
| TYPE | 30A SP/N 4-WAYS CONSUMER UNIT [MEM] | | | |

TOTAL POWER DEMAND 2,070W
PF. 0.8

TOTAL CURRENT DEMAND 9.4A

30A SP/N ELCB

6.0mm PVC

4x10mm PVC SERVICE CABLE

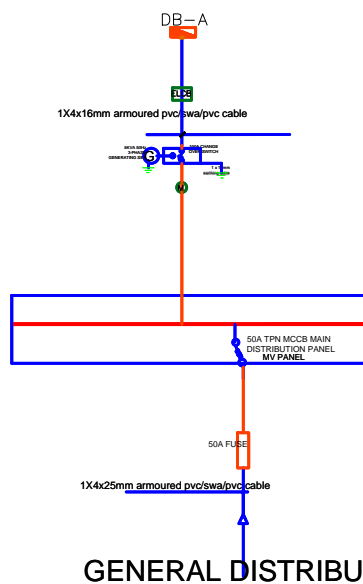
| |
|------------------------------------|
| PROJECT |
| PROPOSED POULTRY HOUSE DEVELOPMENT |

| |
|--------------------|
| CONTENT |
| ELECTRICAL DRAWING |

| |
|----------|
| LOCATION |
| |

| |
|--------|
| CLIENT |
| |

| | | |
|-------------|--------------------|----------|
| SHEET TITLE | | |
| DESIGNED BY | ABDULLAH | SHEET NO |
| CHECK BY | ENGR. ISHAYA DAVID | 4 |
| PHONE NO | 07030883588 | |



ENTIRE LOAD SUMMARY
DB-A=2,070W CURRENT = 9.4A

TOTAL LOAD=2,070W
CUMMULATIVE CURRENT=9.4A

PROJECT

PROPOSED POULTRY HOUSE
DEVELOPMENT

CONTENT

ELECTRICAL
DRAWING

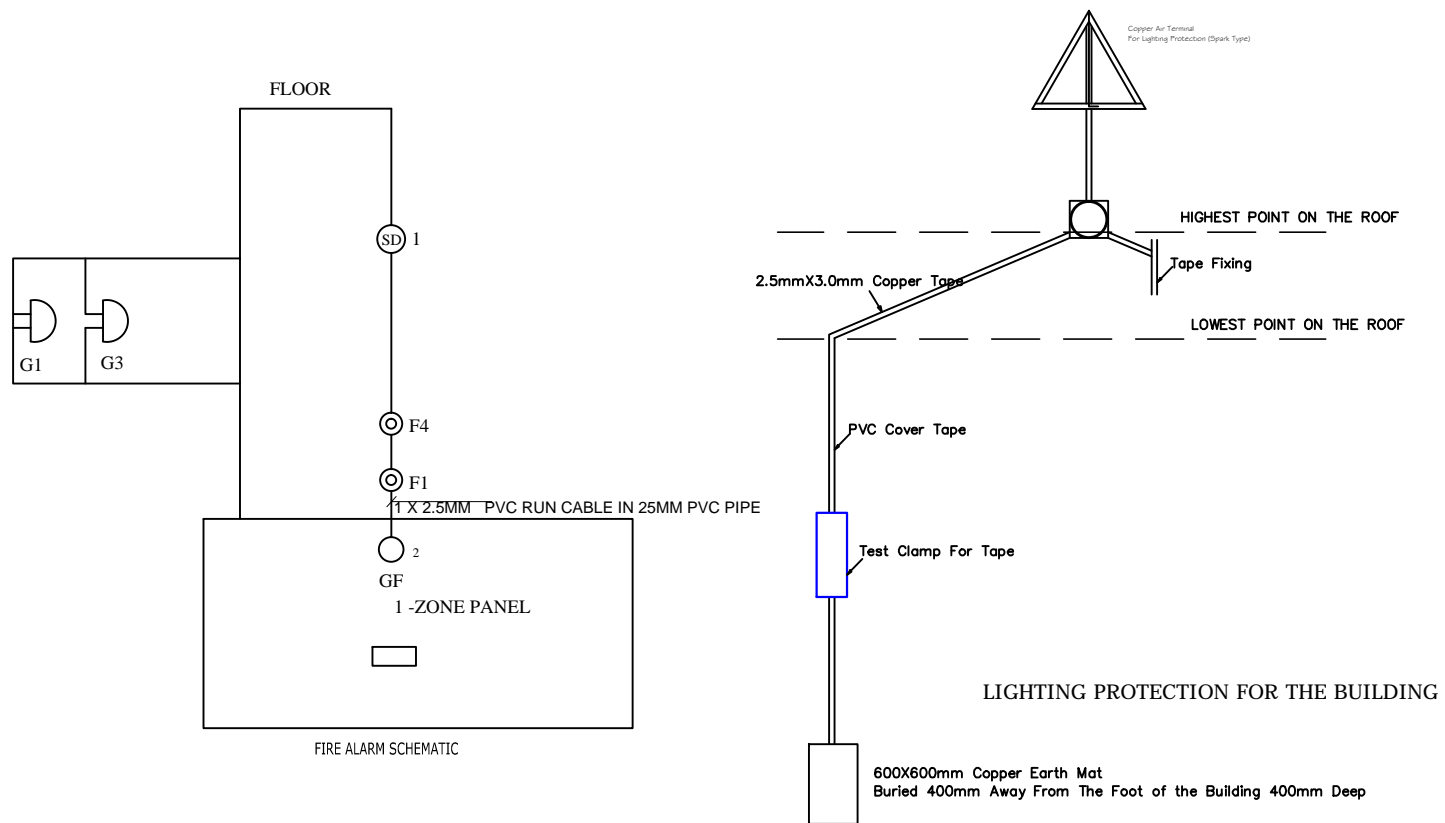
LOCATION

CLIENT

SHEET TITLE

| | | |
|-------------|-------------------|----------|
| DESIGNED BY | ABDULLAHI | SHEET NO |
| CHECK BY | ENGR. BHAYA DAVID | |
| PHONE NO | 0703066366 | |

5



PROPOSED POULTRY HOUSE
DEVELOPMENT

ELECTRICAL
DRAWING

| | | |
|-------------|--------------------|----------|
| DESIGNED BY | ABDULLAHI | SHEET NO |
| CHECK BY | ENGR. ISHAYA DAVID | 6 |
| PHONE NO | 07030683528 | |