

GENERAL NOTES :

1. ALL ELECTRICAL WORKS COMPLIED IN ACCORDANCE WITH THE PLAN AND SPECIFICATIONS, THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATIONS OF LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
- THE ELECTRICAL WORKS WAS DONE UNDER THE IMMEDIATE SUPERVISION OF A DUTY REGISTERED ELECTRICAL ENGINEER.
2. THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 - WIRE, 230V AC, 60Hz
3. WIRING METHOD WAS FOLLOWED:
- a. FEEDERS AND RISERS

b. BRANCHING POWER & RESERVE

c. BRANCH CIRCUIT / & AUXILIARY
- INTERMEDIATE METALLIC CONDUIT

- POLYVINYL CHLORIDE CONDUIT SCHED. 40
4. ALL WIRES ARE COPPER & THERMOPLASTIC INSULATED TYPE "THW", THE MINIMUM SIZE OF WIRE FOR POWER & LIGHTING CIRCUIT HOMERUN 3.5mm2 INSULATED FOR 600 VOLTS, RACEWAY -15mm. dia. TRADE/NOMINAL SIZE.
5. ALL OUTLET BOXES ARE GALVANIZED GAGE No. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
6. ALL MATERIALS USED ARE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
7. GROUNDING SYSTEM PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES ARE:
- a. LIGHT SWITCH

b. CONVENIENCE OUTLET

c. PANEL BOARD
- 1.20 m. ABOVE FIN. F.L.R. LINE

- 0.30 m. ABOVE FIN. F.L.R. LINE

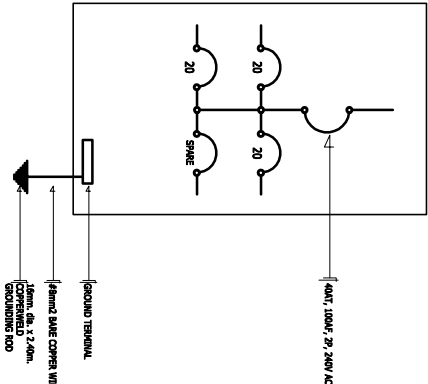
- 1.80 m. ABOVE FIN. F.L.R. LINE

LOAD SCHEDULE

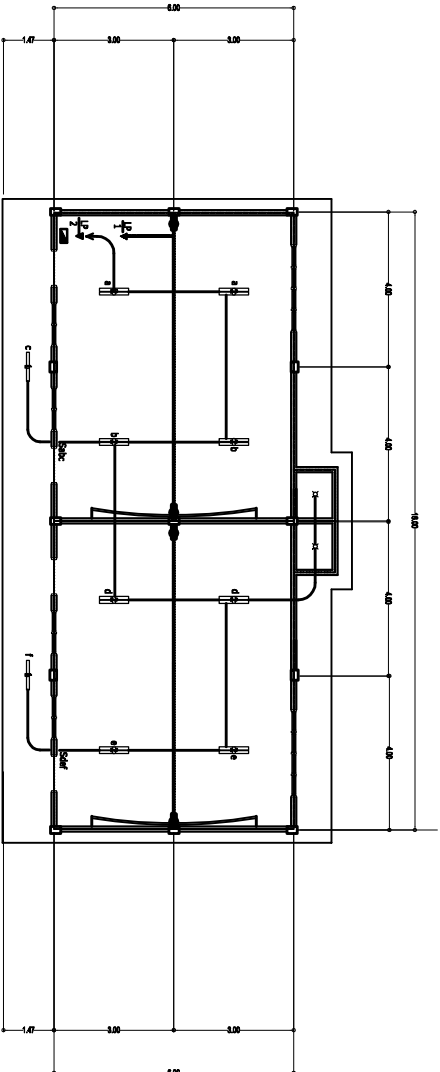
| PANELBOARD : LP   |                                |         |                 | MAIN : 40A/1, 100A/1, 2P, 240V |    |                     |                              |
|---|--------------------------------|---------|-----------------|--------------------------------|----|---------------------|------------------------------|
| CCT. NO.  | DESCRIPTION                    | VA LOAD | CIRCUIT BREAKER |                                |    | WIRE & CONDUIT SIZE |                              |
|   |                                |         | VOLT            | POLE                           | AT |                     |                              |
| 1   | CONVENIENCE OUTLET<br>4 x 180W | 720     | 230             | 2                              | 20 | 50                  | 3-3.5mm2 THW IN 15mm. dia. C |
| 2   | LIGHTS AND FAN                 | 1200    | 230             | 2                              | 20 | 50                  | 3-3.5mm2 THW IN 15mm. dia. C |
| 3   | SPARE                          | 1500    | 230             | 2                              | 20 | 50                  | 3-3.5mm2 THW IN 15mm. dia. C |
| 4   | TOTAL                          | 3420    | 230             | 2                              | 20 | 50                  | _____                        |
| IL = $\frac{3420}{230V}$ = 15 A<br><br>FEEDER : 2 - 5.5mm2 THW IN 20mm. dia. NSC<br>PROTECTION : 40A/1, 50A/1, 2P, 240V |                                |         |                 |                                |    |                     |                              |

LEGEND :


| SYMBOL | DESCRIPTION                           |
|--------|---------------------------------------|
|        | 1 x 40 WATT FLUORESCENT LAMP          |
|        | 2 x 40 WATT FLUORESCENT LAMP          |
|        | PROPOSED CEILING FAN                  |
|        | FAN CONTROL SWITCH                    |
|        | THREE GANG DEVICE SWITCH              |
|        | RACEWAY CONDUIT CONCEALED IN CEILING  |
|        | RACEWAY CONDUIT CONCEALED IN FLOORING |
|        | PANELBOARD                            |
|        | DUPLEX CONVENIENCE OUTLET             |
|        | CIRCUIT BREAKER                       |
|        | ELECTRIC SERVICE METER                |
|        | SERVICE ENTRANCE                      |



SINGLE LINE DIAGRAM  
NOT TO SCALE



ELECTRICAL LAY-OUT  
SCALE 1 : 100 M.



DEPARTMENT OF EDUCATION

DIVISION OF MISAMIS ORIENTAL

4, Viterbi Street, Cagayan de Oro City

PROJECT TITLE :

REPAIR / REHABILITATION OF ONE STOREY TWO (2) CLASSROOMS BAGONG LIPUNAN TYPE WITH ATTACHED CR

ADDRESS : LAUNDRY ALIBUNDO ELEMENTARY SCHOOL

DIVISION : MISAMIS ORIENTAL

PREPARED BY:

ENGR. SANDY L. SIMO, CE

RECOMMENDING APPROVAL:

RUDY O. MAGDUGO

APPROVED:

CHERRY MAE L. LIMBAGO, Ph.D., CESO V

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