

**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 DULY 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 - INTERMEDIATE METALLIC CONDUIT
  - b. LIGHTNING POWER RECEPTACLE - POLYVINYL CHLORIDE CONDUIT
  - BRANCH CIRCUIT & AUXILIARY - SCHED. 40
4. ALL WIRES ARE COPPER & THERMOPLASTIC INSULATED TYPE "THW". THE MINIMUM SIZE OF WIRE FOR POWER & LIGHTING CIRCUIT HOWEVER 3.5mm<sup>2</sup> 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 - 1.20 m. ABOVE FIN. F.R. LINE
  - b. CONVENIENCE OUTLET - 0.30 m. ABOVE FIN. F.R. LINE
  - c. PANEL BOARD - 1.80 m. ABOVE FIN. F.R. LINE













## LOAD SCHEDULE

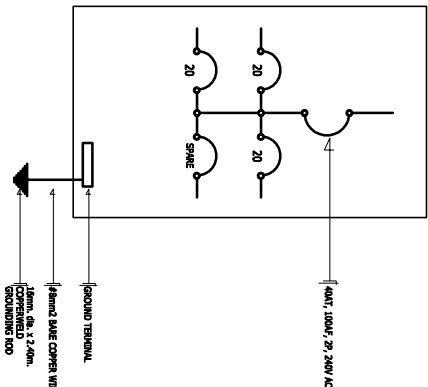
| PANELBOARD : LP |                                |         |                 |      |    |    | MAIN : 40AT, 100AF, 2P, 240V             |  |
|-----------------|--------------------------------|---------|-----------------|------|----|----|--|--|
| CKT. NO.        | DESCRIPTION                    | VA LOAD | CIRCUIT BREAKER |      |    |    | WIRE & CONDUIT SIZE                      |  |
|                 |                                |         | VOLT            | POLE | AT | AF |  |  |
| 1               | CONVENIENCE OUTLET<br>4 x 180W | 720     | 230             | 2    | 20 | 50 | 3-3.5mm <sup>2</sup> THW IN 15mm. dia. C |  |
| 2               | LIGHTS AND FAN                 | 1200    | 230             | 2    | 20 | 50 | 3-3.5mm <sup>2</sup> THW IN 15mm. dia. C |  |
| 3               | SPACE                          | 1500    | 230             | 2    | 20 | 50 | 3-3.5mm <sup>2</sup> THW IN 15mm. dia. C |  |
| 4               | TOTAL                          | 3420    | 230             | 2    | 20 | 50 | _____                                    |  |

IL = 3420  
230V = 15 A

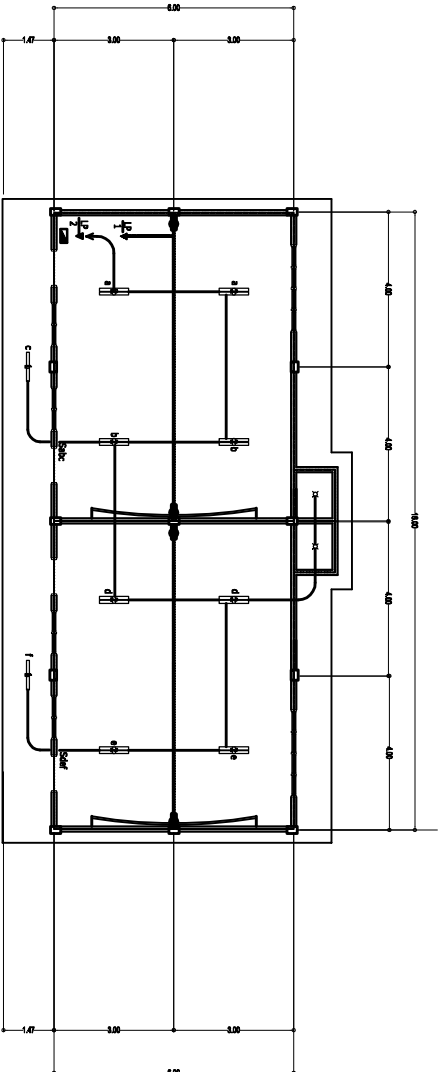
FEDER : 2-3.5mm<sup>2</sup> THW IN 20mm. dia. RSC  
PROTECTION : 40AT, 50AF, 2P, 240V

## LEGEND:

| SYMBOL  | DESCRIPTION                           |
|---|---------------------------------------|
|  | 1 x 40 WATT FLOURESCENT LAMP          |
|  | 2 x 40 WATT FLOURESCENT 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**

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| <br><b>DEPARTMENT OF EDUCATION</b><br>DIVISION OFFICE OF EDUCATION<br>Misamis Oriental<br>Viver Street, Cagayan de Oro City |  |  | PROJECT TITLE :  |  |  |  |
| <b>REPAIR / REHABILITATION OF ONE STOREY TWO (2) CLASSROOMS DEPED TYPE WITH ATTACHED CR</b>  |  |  | <b>OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT</b><br>DEPED DIVISION OF MISAMIS ORIENTAL |  | SHEET CONTENTS :   |  |
| PREPARED BY:   |  |  | RECOMMENDING APPROVAL:   |  | POWER LAY-OUT<br>LIGHTING LAY-OUT<br>SINGLE LINE DIAGRAM<br>GENERAL NOTES :<br>LOAD SCHEDULE<br>LEGEND : |  |
| SCHOOL : KALINGASO CENTRAL SCHOOL  |  |  | DIVISION : MISAMIS ORIENTAL  |  | ENGR. SANDY L. SIMO , CE<br>Chief, SCSD  |  |
| ADDRESS : MAGSAYSAY, MISAMIS ORIENTAL  |  |  | CHIEF, SCSD  |  | CHERRY MAE L. LIMBACO , Ph.D. , CESO V<br>SCHOOLS DIVISION SUPERINTENDENT                                |  |
|  |  |  |  |  | <b>03 of 03</b>  |  |