














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. LIGHTING POWER RECEPTACLE BRANCH CIRCUIT, & AUXILIARY - POLYVINYL CHLORIDE CONDUIT SCHED. 40
4. ALL WIRES ARE COPPER & THERMOPLASTIC INSULATED TYPE "THW". THE MINIMUM SIZE OF WIRE FOR POWER & LIGHTING CIRCUIT HOWEVER 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 - 1.20 m. ABOVE FIN. F.L.R. LINE
 - b. CONVENIENCE OUTLET - 0.30 m. ABOVE FIN. F.L.R. LINE
 - c. PANEL BOARD - 1.80 m. ABOVE FIN. F.L.R. LINE

LOAD SCHEDULE

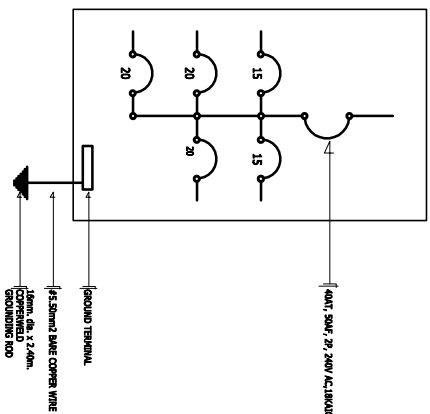
| PANELBOARD : LP | | | | | | MAIN : 40A, 50A, 2P, 240V | |
|-----------------|--------------------|---------|---|------|----|---------------------------|------------------------------|
| CKT. NO. | DESCRIPTION | VA LOAD | CIRCUIT BREAKER | | | | WIRE & CONDUIT SIZE |
| | | | VOLT | POLE | AT | AF | |
| 1 | LIGHT OUTLET | 669 | 230 | 2 | 15 | 50 | 3-3.5mm2 THW IN 15mm. dia. C |
| 2 | LIGHT OUTLET | 1128 | 230 | 2 | 15 | 50 | 3-3.5mm2 THW IN 15mm. dia. C |
| 3 | CONVEIENCE OUTLETS | 1080 | 230 | 2 | 20 | 50 | 3-3.5mm2 THW IN 15mm. dia. C |
| 4 | CONVEIENCE OUTLETS | 1080 | 230 | 2 | 20 | 50 | 3-3.5mm2 THW IN 15mm. dia. C |
| 5 | FANS | 540 | 230 | 2 | 20 | 50 | 3-3.5mm2 THW IN 15mm. dia. C |
| TOTAL | | 4517 | FEEDER : 2-4.8mm2 THW IN 20mm. dia. ISC PROTECTION : 40A, 50A, 2P, 240V | | | | |

LEGEND:

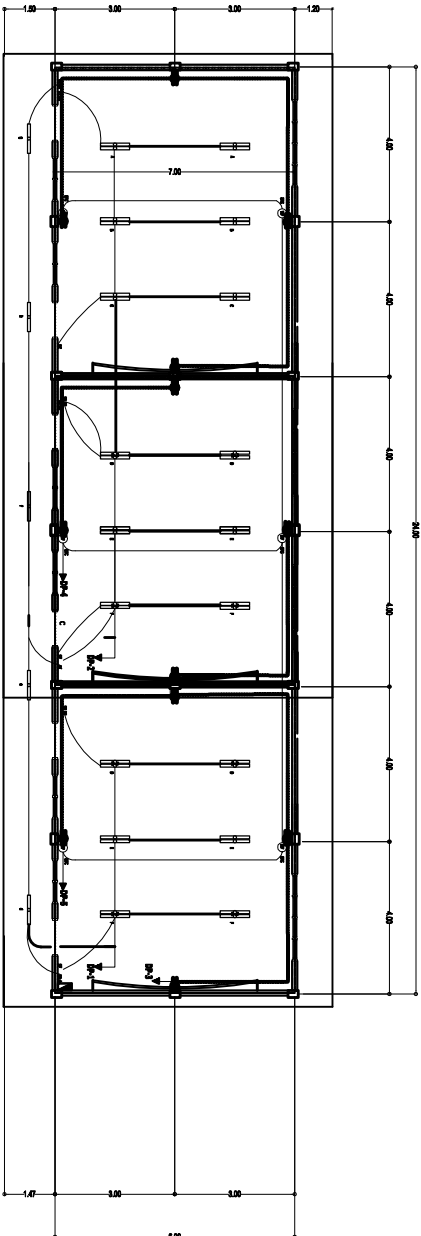
| SYMBOL | DESCRIPTION |
|---|--|
|  | 1 x 18 WATT FLUORESCENT LAMP W/ MEDIUM BASE, KEYLESS TYPE PORCELAIN RECEPTACLE OUTLET |
|  | 2 x 36 WATT FLUORESCENT LAMP BOX TYPE |
|  | WALL FAN, 65 WATTS, 230V/60HZ |
|  | WALL FAN CONTROL SWITCH |
|  | SINGLE POLE WALL SWITCH |
|  | 2 SINGLE POLE WALL SWITCHES IN ONE SWITCH PLATE |
|  | RACEWAY CONDUIT CONCEALED IN CEILING |
|  | RACEWAY CONDUIT CONCEALED IN FLOORING |
|  | PANELBOARD |
|  | DUPLEX CONVENIENCE OUTLET |
|  | CIRCUIT BREAKER |
|  | ELECTRIC SERVICE METER |
|  | SERVICE ENTRANCE |

DESCRIPTION

- 1 x 18 WATT FLUORESCENT LAMP W/ MEDIUM BASE,
KEYLESS TYPE PORCELAIN RECEPTACLE OUTLET
2 x 36 WATT FLUORESCENT LAMP BOX TYPE
WALL PAN, 65 WATTS, 230V/60HZ
WALL PAN CONTROL SWITCH
SINGLE POLE WALL SWITCH
2 SINGLE POLE WALL SWITCHES IN ONE SWITCH PLATE
RACEWAY CONDUIT CONCEALED IN CEILING
RACEWAY CONDUIT CONCEALED IN FLOORING
PANELBOARD
DUPLEX CONVENIENCE OUTLET
CIRCUIT BREAKER
ELECTRIC SERVICE METER
SERVICE ENTRANCE

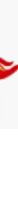


SINGLE LINE DIAGRAM
NOT TO SCALE



ELECTRICAL LAY-OUT

SCALE **1 : 100 M.**

| | | | | | | |
|--|--|--|--|--|---|--|
|  DEPARTMENT OF EDUCATION DIVISION OFFICE DIVISION OF MISAMIS ORIENTAL A. Velez Street, Cagayan de Oro City | | | PROJECT TITLE : | | SHEET NUMBER : | |
| REPAIR / REHABILITATION OF ONE STOREY THREE (3) CLASSROOMS BAGONG LIPUNAN TYPE (BLDG. 9) WITH CR | | | OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT DERPED DIVISION OF MISAMIS ORIENTAL | | SHEET NUMBER : | |
| PREPARED BY : | | | RECOMMENDING APPROVAL : | | ELECTRICAL LAY-OUT LOAD SCHEDULE SINGLE LINE DIAGRAM LEGEND GENERAL NOTES | |
| ENGR. SANDY L. SIMO, CE <small>Division Engineer III</small> | | | RUDY O. MAGDUGO <small>Chief, SCD</small> | | CHERRY MAE L. LIMBAGO, Ph.D., CESO V <small>SCHOOLS DIVISION SUPERINTENDENT</small> | |
| SCHOOL : MAAMAS ELEMENTARY SCHOOL | | | DIVISION : MISAMIS ORIENTAL | | 01 of 03 | |
| ADDRESS : MEDINA, MISAMIS ORIENTAL | | | | | | |