

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. FEEDING POWER RECEPTACLE

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

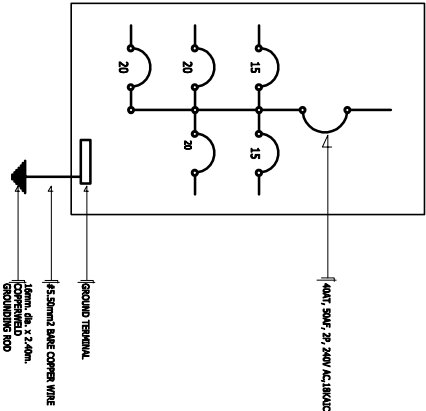
- 1.80 m. ABOVE FIN. F.L.R. LINE

LOAD SCHEDULE

PANELBOARD : LP				MAIN : 40AFT, 50AFT, 2P, 240V			
CCT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER			WIRE & CONDUIT SIZE	
			VOLT	POLE	AT		
1	LIGHT OUTLET	689	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	CONVENIENCE OUTLETS	1080	230	2	20	50	3-3.5mm2 THW IN 15mm. dia. C
4	CONVENIENCE 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
TL = 4517 230 V		TOTAL = 4517		FEEDER : 2 - 8.0mm2 THW IN 20mm. dia. NSC PROTECTION : 40AFT, 50AFT, 2P, 240V			

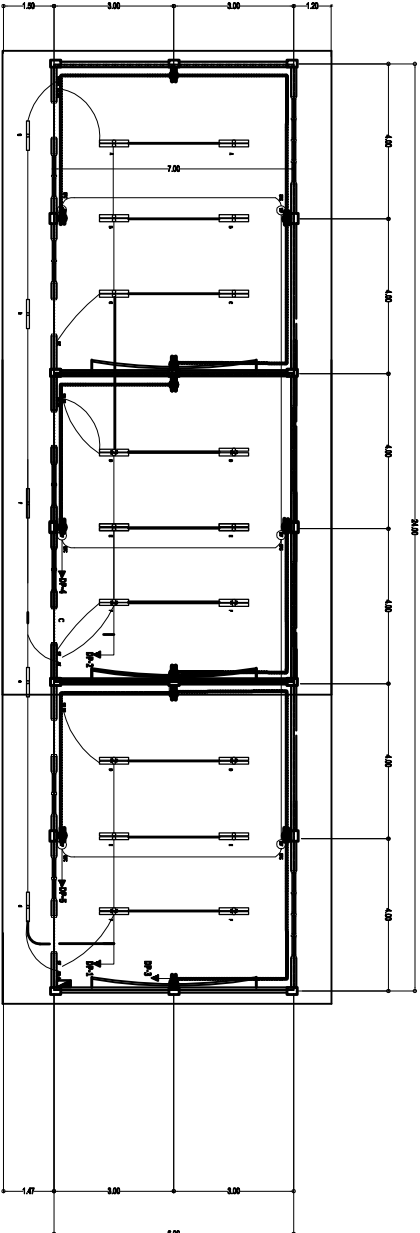
LEGEND :

SYMBOL	DESCRIPTION
	1 x 18 WATT FLOURESCENT LAMP W/ MEDIUM BASE, KEYLESS TYPE PORCELAIN RECEPTACLE OUTLET
	2 x 36 WATT FLOURESCENT 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



SINGLE LINE DIAGRAM  
NOT TO SCALE

ELECTRICAL LAY-OUT  
SCALE 1 : 100 M.



DEPARTMENT OF EDUCATION

DIVISION OFFICE - MISAMIS ORIENTAL

A. Velaz Street, Cagayan de Oro City

PROJECT TITLE :

REPAIR / REHABILITATION OF ONE STOREY THREE (3) CLASSROOMS BAGONG LIPUNAN TYPE WITH ATTACHED CR

SCHOOL : BARANWAGAN ELEMENTARY SCHOOL

ADDRESS : BARANWAGAN, TALISAYAN, MISAMIS ORIENTAL

PREPARED BY:

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SHEET CONTENTS :

ELECTRICAL LAY-OUT  
LOAD SCHEDULE  
SINGLE LINE DIAGRAM  
LEGEND  
GENERAL NOTES

SHEET NUMBER

01 of 03