

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.
2. THE ELECTRICAL WORKS WAS DONE UNDER THE IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.
3. WIRING METHOD WAS FOLLOWED:

a. FEEDERS AND RISERS

b. LIGHTING POWER RECEPTACLE 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

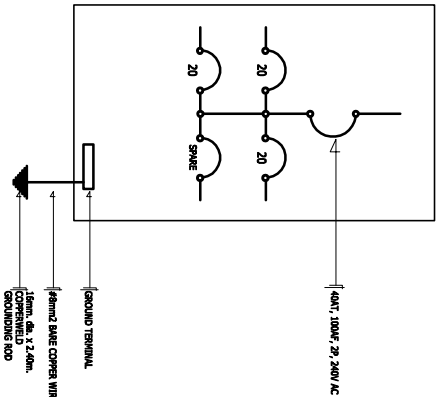
- 1.20 m. ABOVE FIN. F.L.R. LINE

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

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

LEGEND :

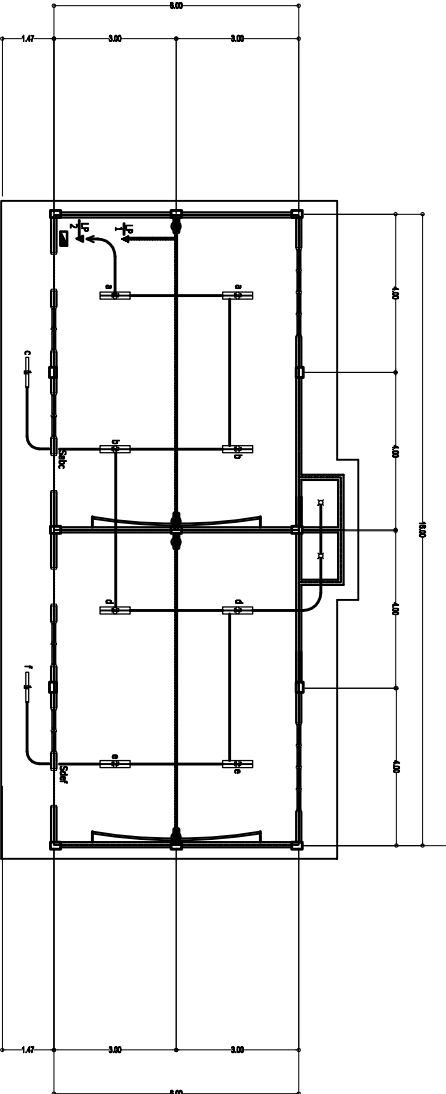
SYMBOL	DESCRIPTION
	1 x 40 WATT FLUORESCENT LAMP
	2 x 40 WATT FLUORESCENT LAMP
	PROPOSED CEILING FAN
	FAN CONTROL SWITCH
	THREE GANG DEVICE SWITCH
	RACEWAY CONDUIT CONCEALED IN CEILING
	RACEWAY CONDUIT CONCEALED IN FLOORING
	PANELBOARD
	DUPLEX CONVENIENCE OUTLET
	CIRCUIT BREAKER
	ELECTRIC SERVICE METER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



SINGLE LINE DIAGRAM
NOT TO SCALE

LOAD SCHEDULE

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



ELECTRICAL LAY-OUT
SCALE 1:100 N.

<div><div>DEPARTMENT OF EDUCATION</div><div>DIVISION OF MISAMIS ORIENTAL</div><div>A. Velaz Street, Cagayan de Oro City</div></div>		PROJECT TITLE : REPAIR / REHABILITATION OF ONE STOREY TWO (2) CLASSROOMS(BL 14) BAGONG LIPUNAN TYPE WITH ATTACHED CR		PREPARED BY: ENGR. SANDY L. SIMO , CE		RECOMMENDING APPROVAL: RUDY O. MAGDUGO		APPROVED: CHERRY MAE L. LIMBACO, PH.D., CESO V		SHEET CONTENTS : POWER LAY-OUT LIGHTING LAY-OUT SINGLE LINE DIAGRAM GENERAL NOTES : LOAD SCHEDULE LEGEND :	SHEET NUMBER 03 of 03
SCHOOL : ADDRESS : MANTICAO, MISAMIS ORIENTAL		DIVISION : MISAMIS ORIENTAL		Division Engineer III		Chief, SCOD		SCHOOLS DIVISION SUPERINTENDENT			