

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

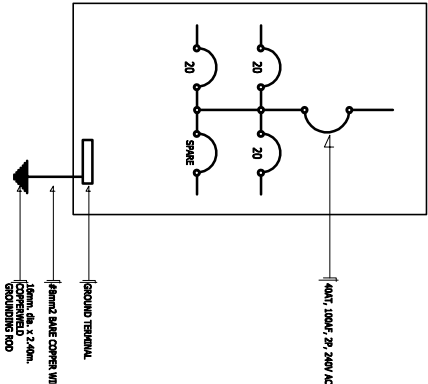
- 1.80 m. ABOVE FIN. F.L.R. LINE

LOAD SCHEDULE

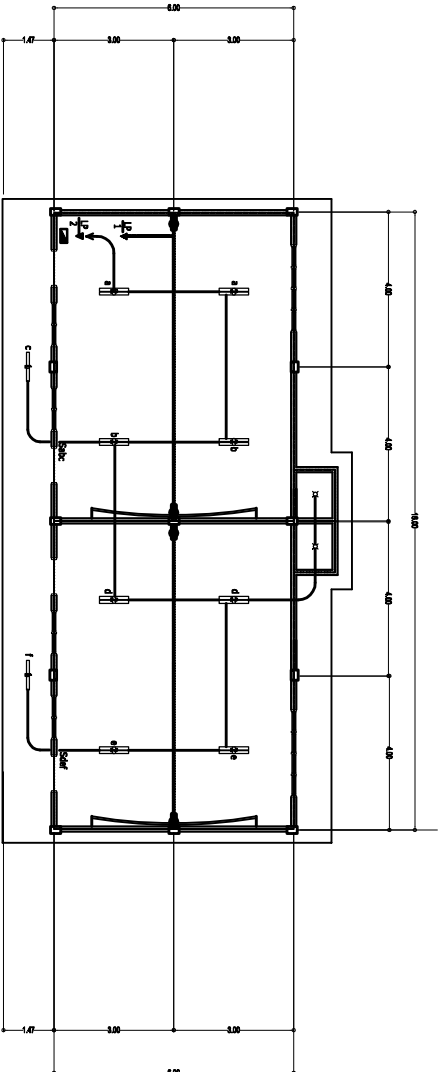
PANELBOARD : LP							MAIN : 40A/1, 100A/1, 2P, 240V	
CKT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER				WIRE & CONDUIT SIZE	
			VOLT	POLE	AT	AF		
1	CONVENIENCE OUTLET 4 x 180W	720	230	2	20	50	3-3.5mm2 THW IN 15mm. dia. C	
2	LIGHTS AND FAN	1200	230	2	20	50	3-3.5mm2 THW IN 15mm. dia. C	
3	SPARE	1500	230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



ELECTRICAL LAY-OUT

SCALE 1 : 100 M.



DEPARTMENT OF EDUCATION

DIVISION OF MISAMIS ORIENTAL

4, Verde Street, Cagayan de Oro City

PROJECT TITLE :

REPAIR / REHABILITATION OF ONE STOREY TWO (2) CLASSROOMS PRE-FAB TYPE WITH ATTACHED CR

PREPARED BY:

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RUDY O. MAGDUGO

APPROVED:

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

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03 of 03

ADDRESS : GIMKAWANG ELEMENTARY SCHOOL

DIVISION : MISAMIS ORIENTAL

Division Engineer III

Chief, SCOD