

**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 - 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 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 :

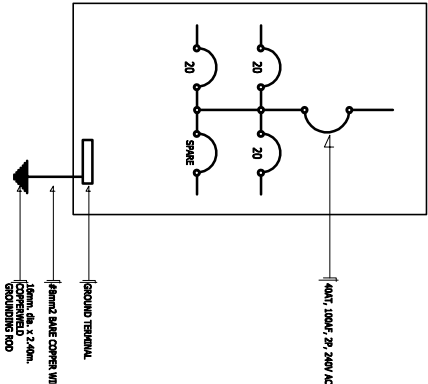
2 - 5.5mm<sup>2</sup> THW IN 20mm. dia. RSC

PROTECTION :

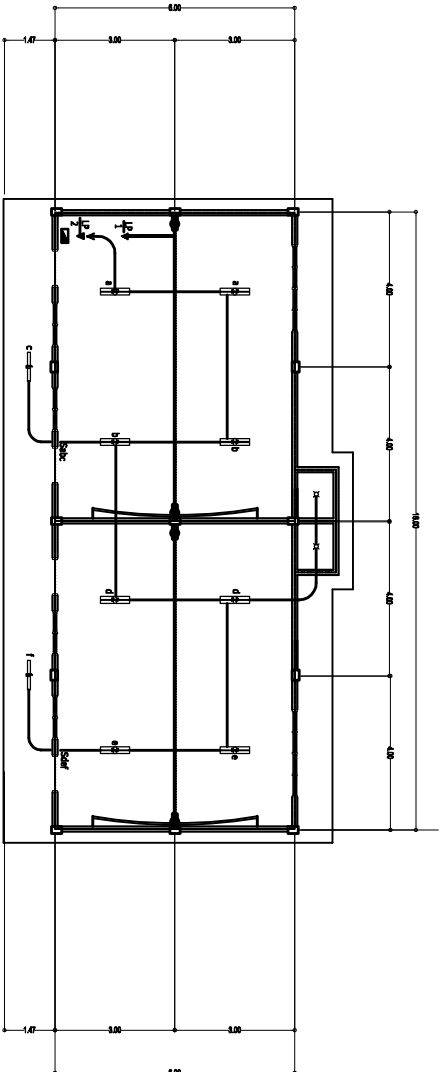
40AT, 50AF, 2P, 240V

## 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**

 <b>DEPARTMENT OF EDUCATION</b> DIVISION OFFICE OF EDUCATION Misamis Oriental 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>  DEPED DIVISION OF MISAMIS ORIENTAL	
PREPARED BY:		RECOMMENDING APPROVAL:	
ENGR. SANDY L. SIMO, CE <small>Division Engineer III</small>		RUDY O. MAGDUGO <small>Chief, SCOD</small>	
APPROVED:		CHERRY MAE L. LIMBACO, Ph.D., CESO V <small>SCHOOLS DIVISION SUPERINTENDENT</small>	
SHEET CONTENTS :		SHEET NUMBER	
POWER LAY-OUT LIGHTING LAY-OUT SINGLE LINE DIAGRAM GENERAL NOTES : LOAD SCHEDULE LEGEND :		<b>03 of 03</b>	