

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. THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 - WIRE, 230V AC, 60Hz
4. WIRING METHOD WAS FOLLOWED:
 - a. FEEDERS AND RISERS - INTERMEDIATE METALLIC CONDUIT
 - b. LIGHTING POWER RECEPTACLE - POLYVINYL CHLORIDE CONDUIT
 - c. BRANCH CIRCUIT & AUXILIARY - SCHED. 40
5. ALL WIRES ARE COPPER & THERMOPLASTIC INSULATED TYPE "THW". THE MINIMUM SIZE OF WIRE FOR POWER & LIGHTING CIRCUIT HOWEVER 3.5mm² INSULATED FOR 800 VOLTS, "RACEWAY" -15mm. dia. TRADE/NOMINAL SIZE.
6. ALL OUTLET BOXES ARE GALVANIZED GAGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
7. ALL MATERIALS USED ARE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
8. GROUNDING SYSTEM PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
9. 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

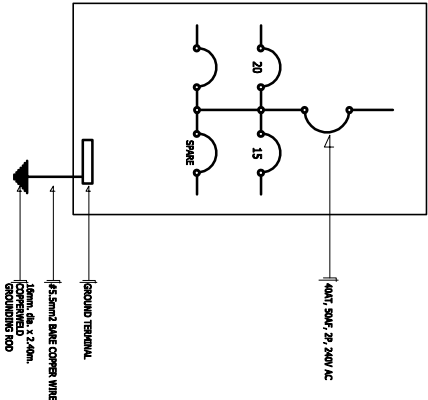
PANELBOARD : LP						MAIN : 40MT, 50AF, 2P, 240V	
CKT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER				WIRE & CONDUIT SIZE
			VOLT	POLE	AT	AF	
1	CONVENIENCE OUTLET AND CEILING FANS	900	230	2	20	50	3-3.5mm ² THW IN 15mm. dia. C
2	LIGHT OUTLETS	614	230	2	15	50	3-3.5mm ² THW IN 15mm. dia. C
	TOTAL	1514					_____

IL = $\frac{1514}{230V}$ = 6.58 A

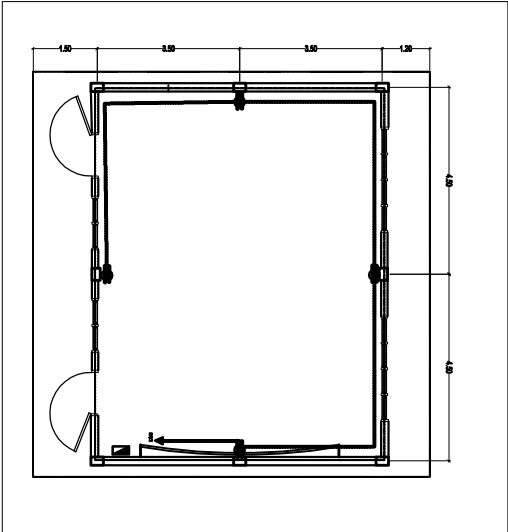
FEDER : 2-5.5mm² THW IN 20mm. dia. RSC
PROTECTION : 40MT, 50AF, 2P, 240V

LEGEND:

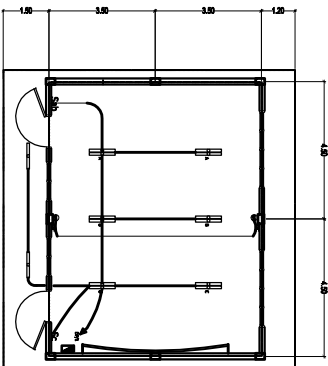
DESCRIPTION	
	18 WATTS COMPACT FLUORESCENT LAMP WITH MEDIUM BASE
	2 x 36 WATTS, 230 VOLTS, 60HZ, FLUORESCENT LAMP BOX TYPE
	PROPOSED CEILING FAN
3PC	FAN CONTROL SWITCH
3C	SINGLE POLE WALL SWITCH
5A0	2 SINGLE POLE WALL SWITCHES IN ONE SWITCH PLATE
	RACEWAY CONDUIT CONCEALED IN CEILING
	RACEWAY CONDUIT CONCEALED IN FLOORING
	PANELBOARD
	DUPLEX CONVENIENCE OUTLET
	CIRCUIT BREAKER
	ELECTRIC SERVICE METER
	SERVICE ENTRANCE




SINGLE LINE DIAGRAM
NOT TO SCALE



POWER LAY-OUT
SCALE 1 : 100 M.



LIGHTING LAY-OUT

 DEPARTMENT OF EDUCATION DIVISION OF MISAMIS ORIENTAL A. Viter Street, Cagayan de Oro City		PROJECT TITLE :	
REPAIR / REHABILITATION OF ONE STOREY ONE (1) CLASSROOM PTA TYPE WITH ATTACHED CR		OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT	
PREPARED BY: ENGR. SANDY L. SIMO, CE <small>Division Engineer III</small>		RECOMMENDING APPROVAL: RUDY O. MAGDUGO <small>Chief, SCSD</small>	
ADDRESS : GIMANGANG ELEMENTARY SCHOOL DIVISION : MISAMIS ORIENTAL		APPROVED: CHERRY MAE L. LIMBAGO, Ph.D., CESO V <small>SCHOOLS DIVISION SUPERINTENDENT</small>	
SHEET CONTENTS : SINGLE LINE DIAGRAM LOAD SCHEDULE POWER LAY-OUT LIGHTING LAY-OUT			SHEET NUMBER 03 of 03