














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 BRANCH CIRCUIT, & AUXILIARY - POLYVINYL CHLORIDE CONDUIT SCHED. 40
4. ALL WIRES ARE COPPER & THERMOPLASTIC INSULATED TYPE "THW". THE MINIMUM SIZE OF WIRE FOR POWER & LIGHTING CIRCUIT HOWEVER 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 - 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

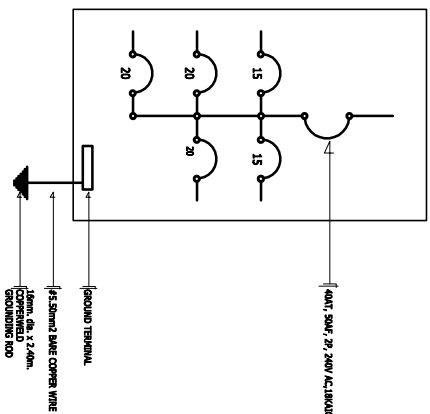
PANELBOARD : LP						MAIN : 40A.T, 50A.F, 2P, 240V	
CKT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER				WIRE & CONDUIT SIZE
			VOLT	POLE	AT	AF	
1	LIGHT OUTLET	669	230	2	15	50	3-3.5mm2 THW IN 15mm. dia. C
2	LIGHT OUTLET	1128	230	2	15	50	3-3.5mm2 THW IN 15mm. dia. C
3	CONVEIENCE OUTLETS	1080	230	2	20	50	3-3.5mm2 THW IN 15mm. dia. C
4	CONVEIENCE 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
IL = 4517 230 V = 19.64 AMPERES		TOTAL = 4517		FEEDER : 2-4.8mm2 THW IN 20mm. dia. ISC PROTECTION : 40A.T, 50A.F, 2P, 240V			

LEGEND:

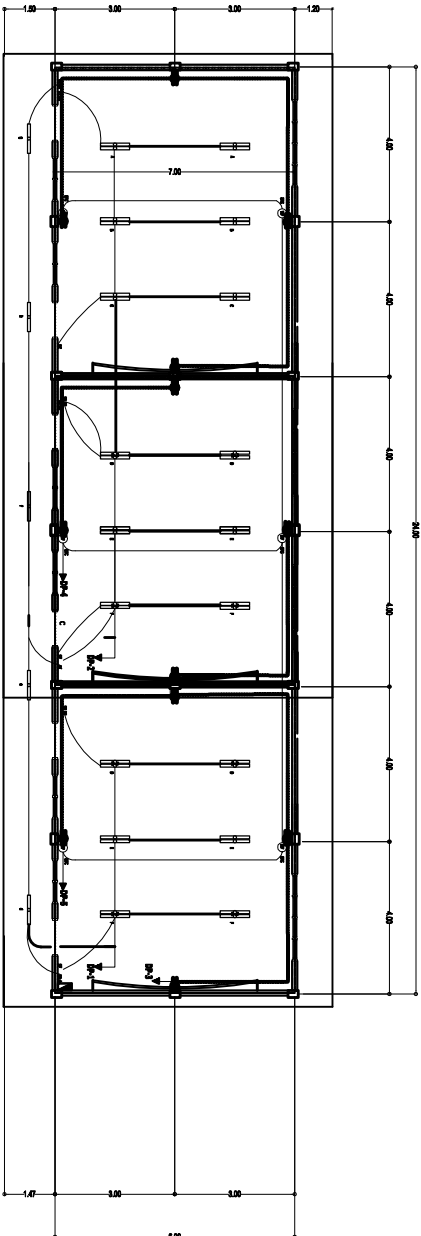
SYMBOL	DESCRIPTION
	1 x 18 WATT FLUORESCENT LAMP W/ MEDIUM BASE, KEYLESS TYPE PORCELAIN RECEPTACLE OUTLET
	2 x 36 WATT FLUORESCENT LAMP BOX TYPE
	WALL FAN, 65 WATTS, 230V/60HZ
	WALL FAN CONTROL SWITCH
	SINGLE POLE WALL SWITCH
	2 SINGLE POLE WALL SWITCHES IN ONE SWITCH PLATE
	RACEWAY CONDUIT CONCEALED IN CEILING
	RACEWAY CONDUIT CONCEALED IN FLOORING
	PANELBOARD
	DUPLEX CONVENIENCE OUTLET
	CIRCUIT BREAKER
	ELECTRIC SERVICE METER
	SERVICE ENTRANCE

DESCRIPTION

- 1 X 18 WALL FLUORESCENT LAMP W/ MEDIUM BASE,
KLEENEX TYPE PORCELAIN RECEPTACLE OUTLET
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PANELBOARD
DUPLX 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 Valer Street, Cagayan de Oro City		PROJECT TITLE :	
REPAIR / REHABILITATION OF ONE STOREY THREE (3) CLASSROOMS BAGONG LIPUNAN TYPE (BLDG. 3) WITH CR		OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT DERPED DIVISION OF MISAMIS ORIENTAL	
PREPARED BY :		RECOMMENDING APPROVAL :	
ENGR. SANDY L. SIMO, CE <small>Division Engineer III</small>		RUDY O. MAGDUGO <small>Chief, SCSD</small>	
APPROVED :		CHERRY MAE L. LIMBACO, Ph.D., CESO V <small>SCHOOLS DIVISION SUPERINTENDENT</small>	
ELECTRICAL LAY-OUT LOAD SCHEDULE SINGLE LINE DIAGRAM LEGEND GENERAL NOTES		01 of 03	