

GENERAL NOTES AND SPECIFICATIONS

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE RULE AND REGULATION OF MERALCO AND LOCAL AUTHORITIES.
2. WIRING METHOD SHALL BE AS FOLLOWS:
- a. ALL CONDUIT EMBEDDED IN CONCRETE SHALL BE POLYVINYL CHLORIDE CONDUIT (PVC).
 - b. ALL EXPOSED CONDUIT SHALL BE ELECTRICAL METALLIC CONDUIT (EMT FOR INDOORS AND RSC FOR OUTDOOR).
3. MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
- a. LIGHT SWITCHES ----- 1.30M ABOVE FLOOR FINISH (AFF)
 - b. POWER OUTLET ----- 0.30M AFF
 - c. SPECIAL OUTLETS ----- AT CONVENIENT HEIGHT NEAR THE EQUIPMENT
 - d. PANEL BOARDS ----- 1.50M AFF
 - e. EMERGENCY LIGHTS OUTLETS ----- AT CONVENIENT HEIGHT NEAR THE EQUIPMENT
4. ALL MATERIALS SHALL BE NEW AND APPROVED TYPE FOR THE PURPOSES INTENDED
5. ALL CONDUCTORS SHALL BE COPPER WIRE TYPE 600V INSULATION, PHELPS DODGE.
6. PROVIDE EFFECTIVE AND ADEQUATE GROUNDS.
7. ALL ELECTRICAL WORKS IS UNDER THE PROVISION OF REGISTERED ELECTRICAL ENGINEER OR ELECTRICAL PRACTITIONER UNDER THE SUPERVISION OF REGISTERED ELECTRICAL ENGINEER.
8. MINIMUM SIZE OF WIRE AND CONDUIT SHALL BE 3.5MM² THHN/THWN AND 15MMØ NOMINAL DIAMETER RESPECTIVELY OTHERWISE SPECIFIED ON PLANS.
9. UNLESS OTHERWISE SPECIFIED PULLBOXES OR JUNCTION BOXES SHALL BE PROVIDED WHENEVER REQUIRED AND NECESSARY, ALTHOUGH SUCH BOXES ARE NOT INDICATED ON THE PLANS.
10. FOR EACH SPARE CIRCUIT IN PANEL BOARD, PROVIDE AN EMPTY CONDUIT SPECIFIED ON THE PLAN TERMINATING TO A COVERED SQUARE BOX.
11. ALL MATERIALS AND EQUIPMENT TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR BOTH LOCATION AND PURPOSES.
12. ALL METAL FRAMES SHALL BE PROPERLY AND ADEQUATELY GROUNDED. GROUND WIRE SHALL BE PROVIDED ON ALL EQUIPMENT FEEDER.
13. THE JOB SHALL BE EXECUTED IN THE MOST THROUGH PROMPT AND WORKMAN LIKE MANNER, EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICES. THE JOB SHALL BE DONE COMPLETE IN ALL ASPECTS AS REQUIRED IN PLANS AND SPECIFICATIONS AND READY FOR OPERATION.
14. ADDITIONAL MATERIALS SPECIFICATIONS:
- a. ELECTRICAL METALLIC TUBING (EMT) ----- SMART TUBE, PANASONIC
 - b. POLYVINYL CHLORIDE CONDUIT (PVC) ----- CROWN SUPREME SCH. 40
 - c. WIRES AND CABLES ----- PHELPS DODGE
 - d. CIRCUIT BREAKER (BOLT-ON TYPE) ----- SCHNEIDER ELECTRIC
 - e. WIRING DEVICES ----- SCHNEIDER ELECTRIC/NATIONAL/PANASONIC
15. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKER. EACH PANEL WILL BE PROVIDED WITH A TYPE WRITTEN CIRCUIT DIRECTORY.
16. THE DRAWING AND SPECIFICATIONS ARE INTENDED TO PRESENT A GENERAL LAYOUT AND BROAD OUTLINE AND DESCRIPTION OF THE PROJECT AND NOT NECESSARY INDICATE, DESCRIBE NATIONAL ADJUSTMENT AT THE JOBSITE AS LOCATIONS, LEVEL AND DISTANCES ARE GOVERNED BY ACTUAL FIELD CONDITIONS.
17. WIRES SHALL BE COLOR CODED:
- LINE 1 ----- BLACK
 - LINE 2 ----- BLACK
 - GROUND ----- GREEN
18. NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER. ANY SUCH REVISION DONE WITHOUT THE APPROVAL SHALL CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASED AS A WHOLE.

LEGEND:

1200MM X 300MM LED PANEL

300MM X 300MM LED PANEL

50WATTS LED FLOOD LIGHT

DUPLEX POWER OUTLET

FLUSH MOUNT RECEPTACLE WITH LED BULB 13WATTS

CIRCUIT HOME RUN

1 GANG 3-WAY SWITCH

1 GANG 1-WAY SWITCH

ACU OUTLET

FIRE ALARM CONTROL PANEL

ADDRESSABLE SMOKE DETECTOR

END OF LINE RESISTOR

FIRE ALARM MANUAL STATION

FIRE ALARM BELL

	OWNER	ARCHITECT/ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISION	SHEET NO.
	 VICENTE B. MALANO, Ph.D. ADMINISTRATOR			REHABILITATION/REPAIR OF BASCO AND TOWER BUILDING	GENERAL NOTES AND SPECIFICATIONS ELECTRICAL SYMBOLS	ANGJ	DATE	E-1
	LICENSE NO.	LICENSE NO.	LICENSE NO.			CHECKED BY	DATE	
	PTB NO.	PTB NO.	PTB NO.			DSO	DATE	
	VALID UNTIL	VALID UNTIL	VALID UNTIL					
	DATE ISSUED	DATE ISSUED	DATE ISSUED					
				LOCATION : BRGY. TUKON, BASCO, BATANES				