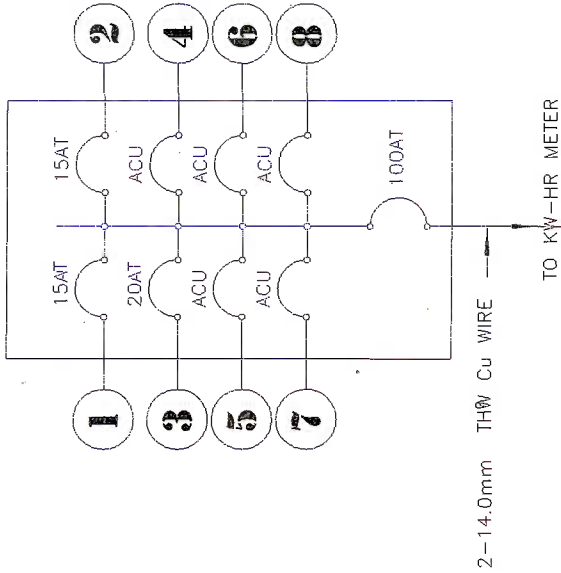
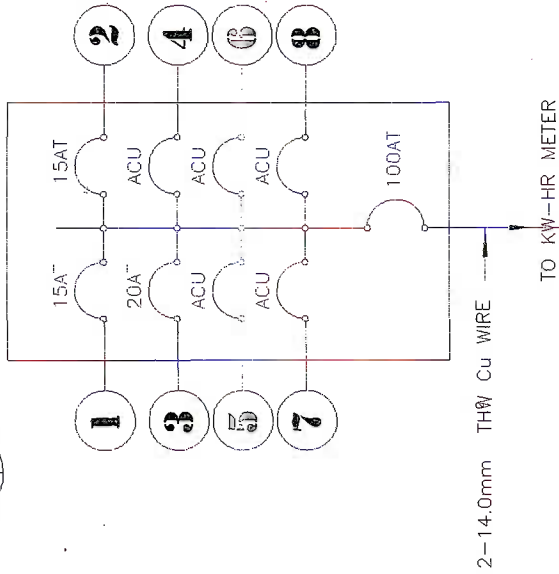


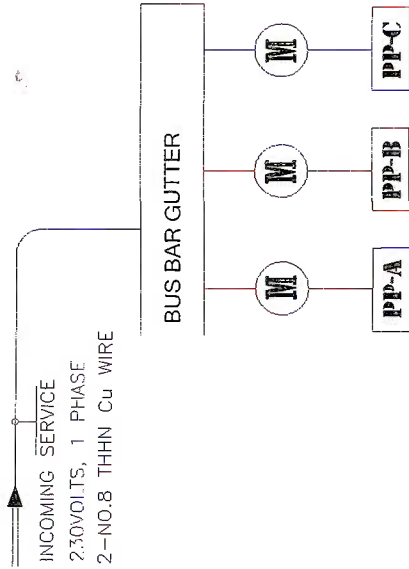
1 PP-A CIRCUIT BREAKER DIAGRAM
E-3 E-3 NOT DRAWN TO SCALE



3 PP-B CIRCUIT BREAKER DIAGRAM
E-3 E-3 NOT DRAWN TO SCALE



2 PP-B CIRCUIT BREAKER DIAGRAM
E-3 E-3 NOT DRAWN TO SCALE



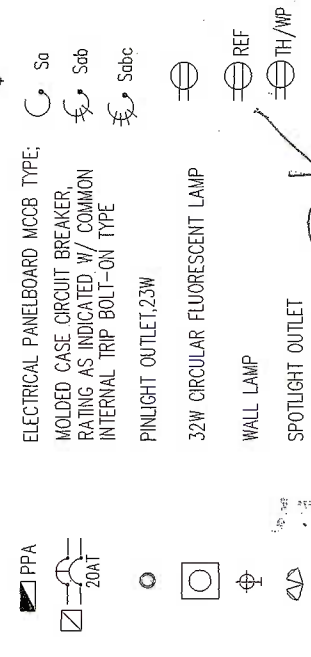
4 LINE DIAGRAM
E-3 E-3 NOT DRAWN TO SCALE

PREPARED BY: ROMBLON STATE UNIVERSITY OFFICE OF AUXILIARY, PLANT SERVICES AND POLLUTION CONTROL UNIT	ELECTRICAL ENGINEER ROLANDO PEREZ PROFESSIONAL ENGINEER PROGRESSIVE ENGINEERING CONSULTANTS CIVIL ENGINEER PTR No. 101077 Validity: 01/01/2015 - 01/01/2020 Date: 01/01/2017 Price: P1000.00 TIN:	CHECKED BY: JEROME ANDRUE FADARDO ASSISTANT PROFESSOR APPROVED BY: ANTHONY PEREZ M.L.A.	SHEET CONTENT: AS SHOWN	PREPARED BY: CAD OPERATOR: Newsham Pofoni JOB NO. : DATE : JUNE 2017	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> E-3 </div>
PROPOSED CONSTRUCTION OF RESEARCH BUILDING					
LOCATION : ROMBLON STATE UNIVERSITY - Main Campus, Linaoang, (Mogong, Romblon)					

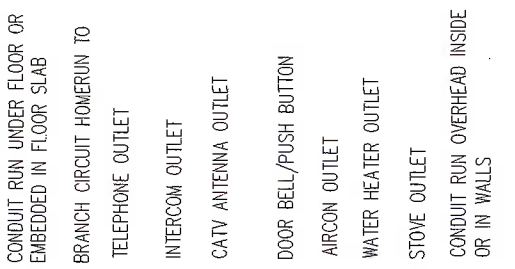
GENERAL NOTES :

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, WITH THE RULES AND REGULATION OF THE LOCAL POWER COMPANY (MERALCO) AND EXISTING LOCAL AND NATIONAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAWS AND ORDINANCES.
- SERVICE VOLTAGE TO THE BUILDING SHALL BE 240 VOLTS, SINGLE PHASE (1 ϕ), TWO WIRES (2W) + GROUND 60HZ
- WIRING METHOD SHALL BE AS FOLLOWS:
 - POLYVINYL CHLORIDE PIPE (PVC) FOR POWER, LIGHTING AND AUXILIARY LAYOUT.
 - INTERMEDIATE METALLIC CONDUIT (IMC) FOR FEEDER LAYOUT.
- ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE THHN, UNLESS OTHERWISE INDICATED. THE MINIMUM SIZE OF WIRES & CONDUIT FOR POWER AND LIGHTING LAYOUT SHALL BE 3.5MM SQ. THHN 15MM ϕ C(NOMINAL DIAMETER) RESPECTIVELY WIRE INSULATION ARE GOOD FOR 600 VOLTS.
- COLOR CODING :
 - LINE A - BLACK
 - LINE B - RED
 - GROUND - GREEN
 - CONTROL WIRE - YELLOW
- ALL SPLICES FOR CONDUCTORS 3.5MM MM SQ. AND ABOVE SHALL BE DONE WITH PRESSURE TYPE OR TWIST-ON SPLICING MATERIALS.
- ALL MATERIALS TO BE USED AND EQUIPMENT TO BE INSTALLED SHALL BE BRAND NEW AND MUST BE OF THE APPROVED TYPE FOR BOTH PURPOSE AND LOCATION INTENDED.
- ALL METALLIC CONDUITS, CABINETS AND EQUIPMENTS SHALL BE PROPERLY GROUNDED AND BONDED BY MEANS OF COPPER STRAPS, CONNECTION TO GROUND ROD SHALL BE EXPOSED READILY ACCESSIBLE FOR INSPECTION.
- ALL ELECTRICAL WORKS HEREIN SHALL BE UNDER THE DIRECT SUPERVISION OF A DULY LICENCED ELECTRICAL ENGINEER OR A MASTER ELECTRICIAN.
- EXACT LOCATION OF ALL ELECTRICAL DEVICES TO BE VERIFIED @ SITE AND ARE SUBJECT TO ARCHITECT'S/ENGINEER'S APPROVAL.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL TRADES INVOLVED SO THAT THE EXACT LOCATIONS & QUANTITIES MAY BE OBTAINED FOR ALL OUTLETS, APPARATUS, APPLIANCES AND EQUIPMENT.
- CONTRACTOR TO CHECK SPACE REQUIREMENTS TO ENSURE THAT MATERIALS/EQUIPMENTS CAN BE INSTALLED IN THE SPACE ALLOTTED.

ELECTRICAL SYSTEM LEGEND :



- WHEN IN DOUBT ABOUT THE DESIGN CONCEPT OR INTENT, SUBMIT A LETTER OF INQUIRY (RFI) TO THE PARTY CONCERNED.
- THE CONTRACT DRAWINGS, INSTRUCTION AND TECHNICAL SPECIFICATION SHALL BE CONSIDERED AS ONE, WHATEVER IS CALLED FOR BY ANY OF THE DOCUMENTS SHALL BE IMPLEMENTED TO THE FULLEST EXTENT.
- THE ELECTRICAL CONTRACTOR SHALL EXAMINE AND STUDY THE ARCHITECTURAL SCALE DRAWINGS, LARGE SCALE AND FULL-SIZE DETAILS, APPROVED SHOP DRAWINGS FROM OTHER TRADES AND SHALL FREQUENTLY CONSULT AND COORDINATE WITH OTHER TRADES TO AVERT CONFLICT IN ACTUAL SITE INSTALLATION WORKS.
- THE PLANS AS DRAWN ARE BASED UPON THE ARCHITECTURAL PLANS AND THE DETAILS AND SHOWN CONDITION AS ACCURATELY AS IT IS POSSIBLE TO INDICATE THEM IN SCALE. THE PLANS ARE DIAGRAMMATICAL AND DO NOT NECESSARILY SHOW ALL FITTINGS NECESSARY TO FIT TO THE BUILDING CONDITIONS. THE LOCATIONS OF OUTLETS, APPARATUS AND APPLIANCE SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THEIR PROPER LOCATION IN ORDER TO MAKE THEM FIT WITH THE ARCHITECTURAL DETAILS AND INSTRUCTIONS FROM THE ENGINEER'S REPRESENTATIVE AT THE SITE.
- UPON COMPLETION OF ELECTRICAL CONSTRUCTION WORK, THE FOLLOWING TESTS SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS AND IN FORMS APPROVED BY THE OWNER'S REPRESENTATIVE:
 - INSULATION RESISTANCE TEST
 - GROUND RESISTANCE TEST
 - OPERATIONAL TEST
 - PHASE BALANCING TEST
 - PHASE SEQUENCE TEST
 - SYSTEM TEST
- PROVIDE COMPUTERIZED AND LAMINATED DIRECTORY FOR ALL PANELS AND DP'S



PREPARED BY : ROMBLON STATE UNIVERSITY OFFICE OF AUXILIARY, PLANT SERVICES AND POLLUTION CONTROL UNIT	PROJECT TITLE : PROPOSED CONSTRUCTION OF RESEARCH BUILDING	SHEET CONTENTS: AS SHOWN	PREPARED BY: CHD OPERATOR: Newel M. Tolon	E-4
			JOB NO. : DATE: JUNE 2017	
CREDITED BY : ELECTRICAL ENGINEER:	PROJECT TITLE : PROPOSED CONSTRUCTION OF RESEARCH BUILDING	SHEET CONTENTS: AS SHOWN	PREPARED BY: CHD OPERATOR: Newel M. Tolon	E-4
APPROVED BY: ELECTRICAL ENGINEER:	PROJECT TITLE : PROPOSED CONSTRUCTION OF RESEARCH BUILDING	SHEET CONTENTS: AS SHOWN	JOB NO. : DATE: JUNE 2017	E-4
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LOCATION : ROMBLON STATE UNIVERSITY - Main Campus, Juvang, Oribanay, Romblon