



Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon



REQUEST FOR QUOTATION

INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SLSU CATANAUAN (CATANAUAN)

Purchase Request No. 2026-06-1588

Approved Budget for the Contract: ₱ 969,651.24

The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Installation and Repair of Electrical Facilities at SLSU Catanauan (Catanauan)** to apply the sum of **Nine Hundred Sixty-Nine Thousand Six Hundred Fifty-One Pesos and Twenty-Four Centavos Only (₱ 969,651.24)** inclusive of VAT, being the **Approved Budget for the Contract (ABC)**, details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Installation and Repair of Electrical Facilities at SLSU Catanauan

1. The quotation shall be submitted on or before JULY 01, 2026 to:

- (1) Procurement Office/BAC Office
Southern Luzon State University
2nd Flr. Hermano Puli Building, Quezon Ave.,
Brgy. Kulapi, Lucban, Quezon

OR

- (2) Thru email: slsuprourement@slsu.edu.ph

2. The SLSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/ informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. Southern Luzon State University SLSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.


MARIDEL C. ZABELLA
Director, Procurement Office
Southern Luzon State University
Lucban, Quezon
Tel. No.: (042)540-6519

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Project Management Office
Lucban , Quezon

PROJECT TITLE : INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SLSU CATANAUAN

PROJECT LOCATION: SLSU Catanauan Campus, Catanauan, Quezon

OWNER : Southern Luzon State University

MODE OF IMPLEMENTATION : By Contract

ABC : P 969,651.24

PROJECT DESCRIPTION: INSTALLATION OF CIRCUIT BREAKERS, OUTLETS,SWITCHES AND WIRING/RE-WIRING OF
COMPUTER LABORATORY AND ADMIN BUILDING.

PROJECT DURATION : 120 Calendar Days

INFRA

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SUMMARY

ITEM	DESCRIPTION	COST OF MATERIALS	COST OF LABOR AND EQUIPMENT	TOTAL
I	General Works	-		
II	Electrical Works			
TOTAL ESTIMATED DIRECT COST				P
INDIRECT COST				
OVERHEAD, CONTINGENCIES & MISC.(OCM)				P
CONTRACTOR'S PROFIT				P
VALUE ADDED TAX (VAT)				P
TOTAL PROJECT COST				P

TOTAL PROJECT COST IN WORDS: _____

CONTRACTOR/BIDDER: _____



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MODE OF IMPLEMENTATION : by Contract

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PROJECT DURATION: 120 DAYS

INFRA
BILL OF MATERIALS

I. General Works (General Requirements)				
Quantity	Unit	Description	Unit Cost	Total Cost
1.00	lot	Mobilization / Demobilization		
1.00	lot	Project Identification & Signs, Tarpaulin with Marine Plywood Backing		
1.00	lot	Temporary facilities		
Sub - Total			P	

II. Electrical Works				
Quantity	Unit	Description	Unit Cost	Total Cost
1.00	set	BREAKERS W/ BUSBAR AND MOUNTING SUPPORT ONLY, ENCLOSURE ALREADY PROVIDED SEE REFERENCE PIC (MDP-ADMIN): MAIN: 250AT/250AF, 2P, 230V, MCCB BRANCHES: 1PC-175AT/250AF, 2P, 230V, MCCB 2PC-100AT/125AF, 2P, 230V, MCB (GE, ABB OR EQUIVALENT BRAND) WITH COMPLETE LUGS AND ACCESSORIES		
1.00	set	MAIN BREAKER W/ BUSBAR AND MOUNTING ONLY, ENCLOSURE AND BREAKERS ARE ALREADY PROVIDED SEE REFERENCE PIC (DP1-ADMIN): MAIN: 100AT/100AF, 2P, 230V, MCB BRANCHES: EXISTING: 10 PCS-20AT/50AF, 2P, 230V, MCB (PROVIDED SEE REFERENCE PIC: DP2 AND DP3 (ADMIN)) (GE, ABB OR EQUIVALENT BRAND) WITH COMPLETE LUGS AND ACCESSORIES		
1.00	set	BREAKER W/ BUSBAR AND MOUNTING ONLY, ENCLOSURE ALREADY PROVIDED SEE REFERENCE PIC (DP2-ADMIN): MAIN: 100AT/100AF, 2P, 230V, MCB BRANCHES: 10PCS-20AT/50AF, 2P, 230V, MCB (GE, ABB OR EQUIVALENT BRAND) WITH COMPLETE LUGS AND ACCESSORIES		



1.00	set	BREAKER W/ BUSBAR AND MOUNTING SUPPORT ONLY, ENCLOSURE ALREADY PROVIDED SEE REFERENCE PIC (DP3- ADMIN): MAIN: EXISTING: 175AT/250AF, 2P, 230V, MCCB (PROVIDED SEE REFERENCE PIC) BRANCHES: 16PCS-30AT/50AF, 2P, 230V, MCB (GE,ABB OR EQUIVALENT BRAND) WITH COMPLETE LUGS AND ACCESSORIES		
1.00	pcs	250AT/250AF, 2P, 230V, MCCB (GE,ABB OR EQUIVALENT BRAND) {REPLACEMENT OF 150AT TO 250AT OF ECB-ADMIN}		
	pcs	20AT/50AF, 2P, 230V, MCB BOLT ON TYPE: (GE)		
	lm	THHN Wire 100 sq. mm		
	lm	THHN Wire 60 sq. mm		
	lm	THHN Wire 38 sq. mm		
	lm	THHN Wire 30 sq. mm		
	box	THHN Wire 5.5 sq. mm		
	box	THHN Wire 3.5 sq. mm		
	pcs	Duplex Convenience Outlet		
	set	1gang switch pole, complete set, recessed mounted 16A, 230V		
	set	2gang switch pole, complete set, recessed mounted 16A, 230V		
	set	3gang switch pole, complete set, recessed mounted 16A, 230V		
1.00	lot	Consumables		

Sub - Total P

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PROJECT TITLE: INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SLSU CATANAUAN

PROJECT LOCATION: SLSU Catanauan Campus, Catanauan, Quezon

OWNER: Southern Luzon State University

PROJECT DESCRIPTION: INSTALLATION OF CIRCUIT BREAKERS, OUTLETS, SWITCHES AND WIRING/RE-WIRING OF COMPUTER LABORATORY AND ADMIN BUILDING.

PROJECT DURATION: 120 days

SUBJECT: Specification and Scope of works

SPECIFICATION OF MATERIALS AND FINISHES

GENERAL

- All materials shall be new and shall conform to the reference Code and Standard. All Materials and Equipment shall be subjected to testing.
- All items with specified approved brand, manufacturer, supplier, fabricator, trademark and the like shall be strictly followed.
- Electrical materials shall be as specified in the electrical drawing details as shown in the plans and bill of quantities.
- All lighting and Power Panels shall be NEMA-1 enclosure with three-phase main circuit breaker, 3 poles and/or single phase 2 poles circuit breaker in the branch circuits as detailed in drawing. Use only one (1) brand of circuit breaker. Preferred brand of circuit breakers is G.E., Schneider Electric, ABB, Fuji. or their equivalent in quality.
- All wires and cables shall comply with the requirements of the Underwriter's Laboratories, The ASTM and IPCEA as they apply in the particular.
- Wires and cables for lighting, power and auxiliary systems shall be nylon, jacketed, plastic insulated for 600 volts working pressure, type THHN/THWN unless otherwise noted. Type TW, colored white for grounding. Feeder cable shall be type THW-2.
- For lighting system, no wire smaller than 3.5 mm² THHN/THWN shall be used for homerun circuit.
- For power system, no wire smaller than 3.5 mm² THHN shall be used. Smallest size of grounding wire 3.5mm².
- All feeder cables/wires shall be color coded and as manufactured by the Phelps Dodge, Duraflex, or approved equal. A substitute of color coding can be by properly identifying phase wire with colored tape at each end. 1 mark of red tape for line A, 2 marks of yellow tape for line B and 3 marks of blue or black for line C. Color coding of wires are as follows:

1.1 Line A – Red

1.2 Line B – Yellow

1.3 Line C – Blue

Ground wire – White

Control wire – Yellow

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- No conduits shall be used in any system smaller than 20mm diameter, electric trade size, Location and sizes of pull boxes shall be cleared to the Engineer prior to fabrication and installation.
- All materials and equipment to be installed shall be of approved quality and should be presented to the Owner for approval prior to installation.
- Other Items not mentioned in the specifications but are included in the installation shall be subjected to be pre-approved by the owner.
- The contractor is required to submit the as-built plan upon finishing the project and the documents needed on the implementation process. It also includes the permits needed before and after the project.
- Perform Continuity Test
- Restoration of finishes and sealing/fire stopping as required.
- Dismantling of retired equipment and wiring
- Clean all fixtures and equipment at the completion of the project

SCOPE OF WORKS

I. ELECTRICAL WORKS

- All electrical works shall provide all materials and equipment and perform all the works necessary for the complete execution of the electrical system shown on the electrical drawings with the reference to the general construction drawings as herein specified, or both except as otherwise excluding the generality of the foregoing, shall include but not limited to the following principal items of the works.
- All works shall be in accordance with the governing codes and regulations of the latest edition of the Philippine Electrical Code, with the rules and regulations of the National and Local Authorities concerned in enforcement of electrical laws and ordinance and with the rules and regulation of the utility companies concerned.
- For Computer Laboratory:
 - Wiring/Re-Wiring and Installation of Convenience Outlet, Switches and Circuit Breaker of Computer Laboratory

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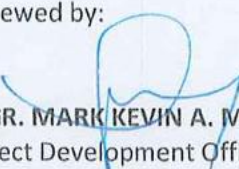
- For Admin Building:
 - Replace the existing ECB 150AT 2pole to ECB 250AT 2pole
 - Supply and Installation of MDP (ADMIN) Circuit breakers with busbar and mounting
 - Supply and Installation of DP-1 Circuit breakers with busbar and mounting
 - Existing 200AT 2pole will be used in DP-1
 - Supply and Installation of DP-2 Circuit breakers with busbar and mounting
 - Supply and Installation of DP-3 Circuit breakers with busbar and mounting
 - Wiring/Re-Wiring and Installation of Convenience Outlet, Switches and Circuit Breaker of Admin building
- The Contractor shall coordinate the work with the Project Management office to expedite the implementation of the project, most specially, during the milestones of the project.
- Identification shall include equipment name or load served as appropriate.
- The Contractor shall supply all finishing accessories and furnishing fixtures as may be approved by the power or representative and shall be installed by the Contractor whenever required by the Owner or Representative.
- All works must be done within the timeline calendar days
- Testing and Commissioning

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Prepared by:


ENGR. IVAN GERALD B. MECIJA
Project Development Officer I

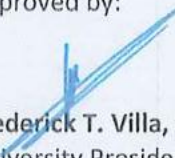
Reviewed by:


ENGR. MARK KEVIN A. MAKIPAGAY
Project Development Officer II

Recommending approval:


ENGR. MELVIN A. MAKIPAGAY
Director, Project Management Office

Approved by:


Frederick T. Villa, D.T
University President

Republic of the Philippines
Southern Luzon State University
Project Management office
Lucban, Quezon

PROJECT TITLE: INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SLSU CATANAUAN
PROJECT LOCATION: SLSU Catanauan Campus, Catanauan, Quezon
OWNER: Southern Luzon State University
PROJECT DESCRIPTION: INSTALLATION OF CIRCUIT BREAKERS, OUTLETS, SWITCHES AND WIRING/RE-WIRING OF COMPUTER LABORATORY AND ADMIN BUILDING.
PROJECT DURATION: 120 days
SUBJECT: Specification and Scope of works

MINIMUM TECHNICAL PERSONNEL AND EQUIPMENT

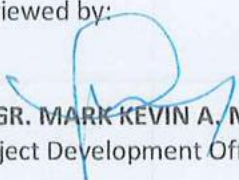
QUANTITY	MINIMUM TECHNICAL PERSONNEL
2	Electrical Technician

QUANTITY	MINIMUM EQUIPMENT
1 unit	Drill
1 unit	Ladder
1 unit	Electrical Tools for Splicing/Tapping of wires

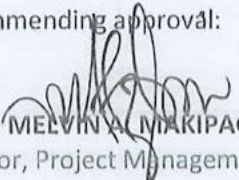
Prepared by:


ENGR. IVAN GERALD B. MECIJA
Project Development Officer I

Reviewed by:


ENGR. MARK KEVIN A. MAKIPAGAY
Project Development Officer II

Recommending approval:


ENGR. MELVIN A. MAKIPAGAY
Director, Project Management Office

Approved by:


Frederick T. Villa, D.T
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PROJECT DURATION: 120 DAYS

GANTT CHART/CONSTRUCTION SCHEDULE

Item	Description	Duration (days)	Duration (Days)																							
			5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
I	GENERAL WORKS																									
	Mobilization / Demobilization	120																								
	Project Identification & Signs, Tarpaulin with Marine Plywood Backing	120																								
	Temporary facilities	120																								
II	ELECTRICAL WORKS																									
	Supply and Installation of Circuit breaker with busbar and mounting support	25																								
	Supply and Installation of electrical fixtures	25																								
	Re-wiring of Computer building	30																								
	Re-wiring of Admin building	30																								
	Installation and Tapping of Main breaker to ECB	25																								
	Testing and Commissioning	5																								

Prepared by:

Engr. Ivan Gerald B. Mecija
Project Development Officer I

Reviewed by:

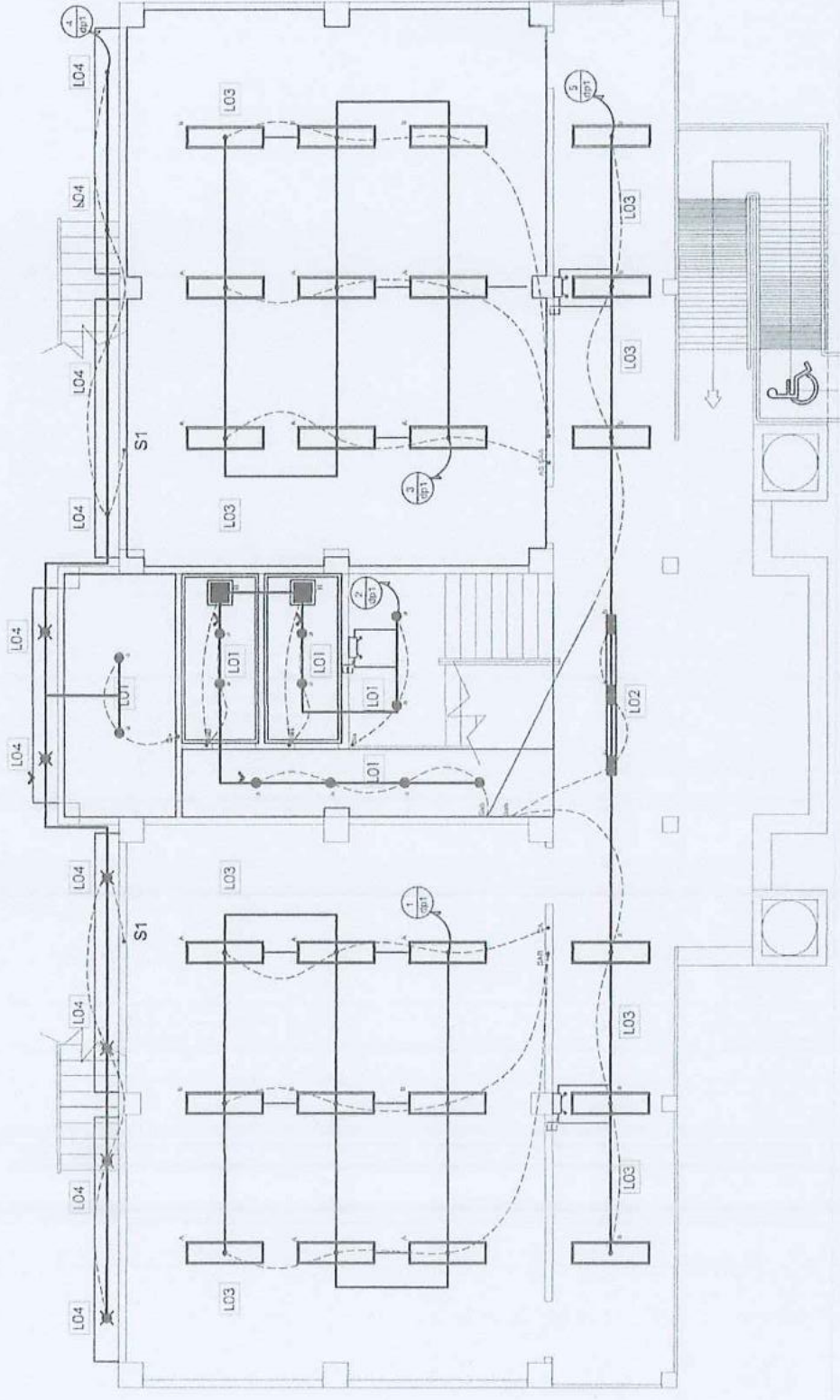
Engr. Mark Kevin A. Makipagay
Project Development Officer II

Recommending Approval

Engr. Melvin A. Makipagay
Director, Project Management Office

Approved by:

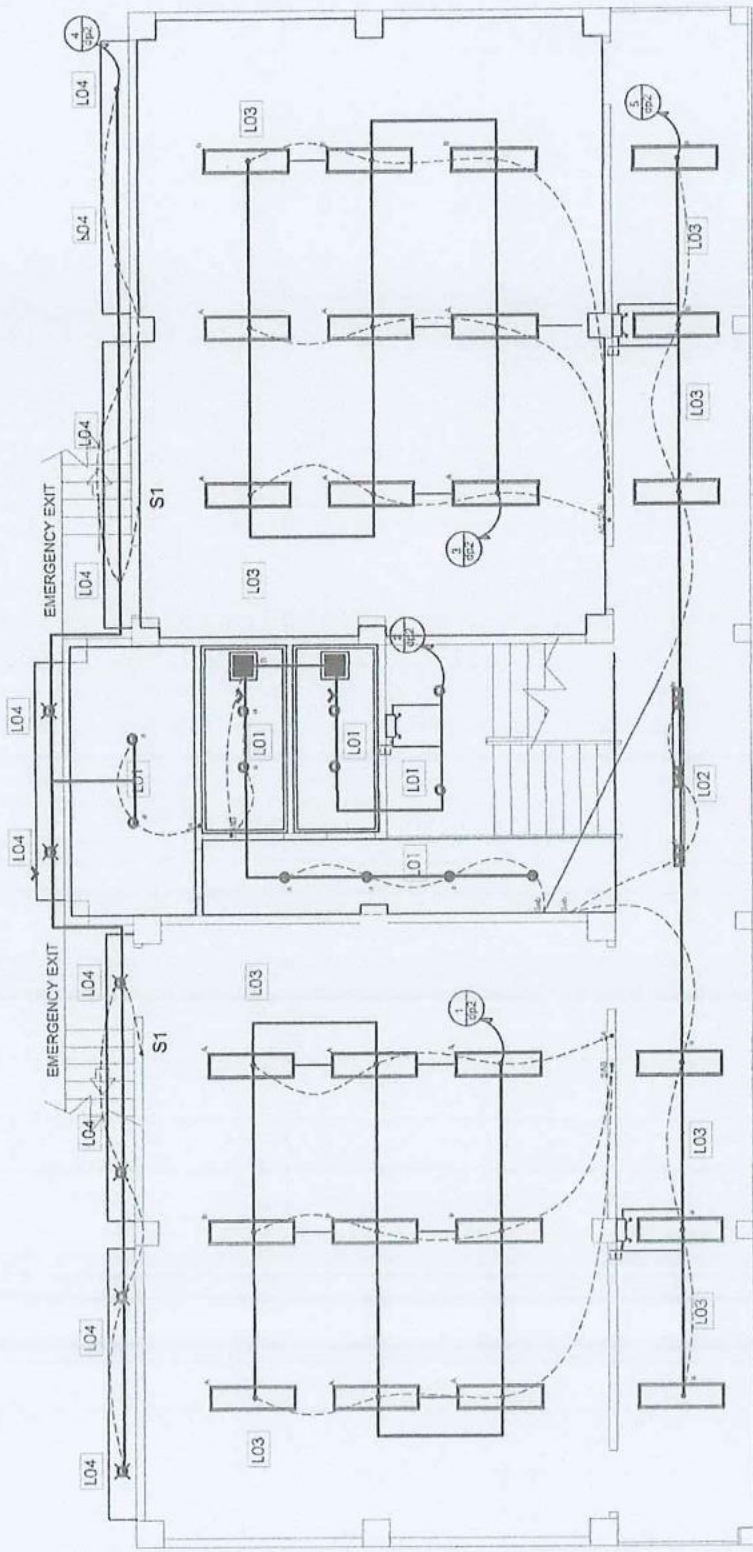
Dr. Frederick T. Villa
University President



GROUND FLOOR
LIGHTING LAYOUT PLAN
SCALE

COMPUTER LABORATORY

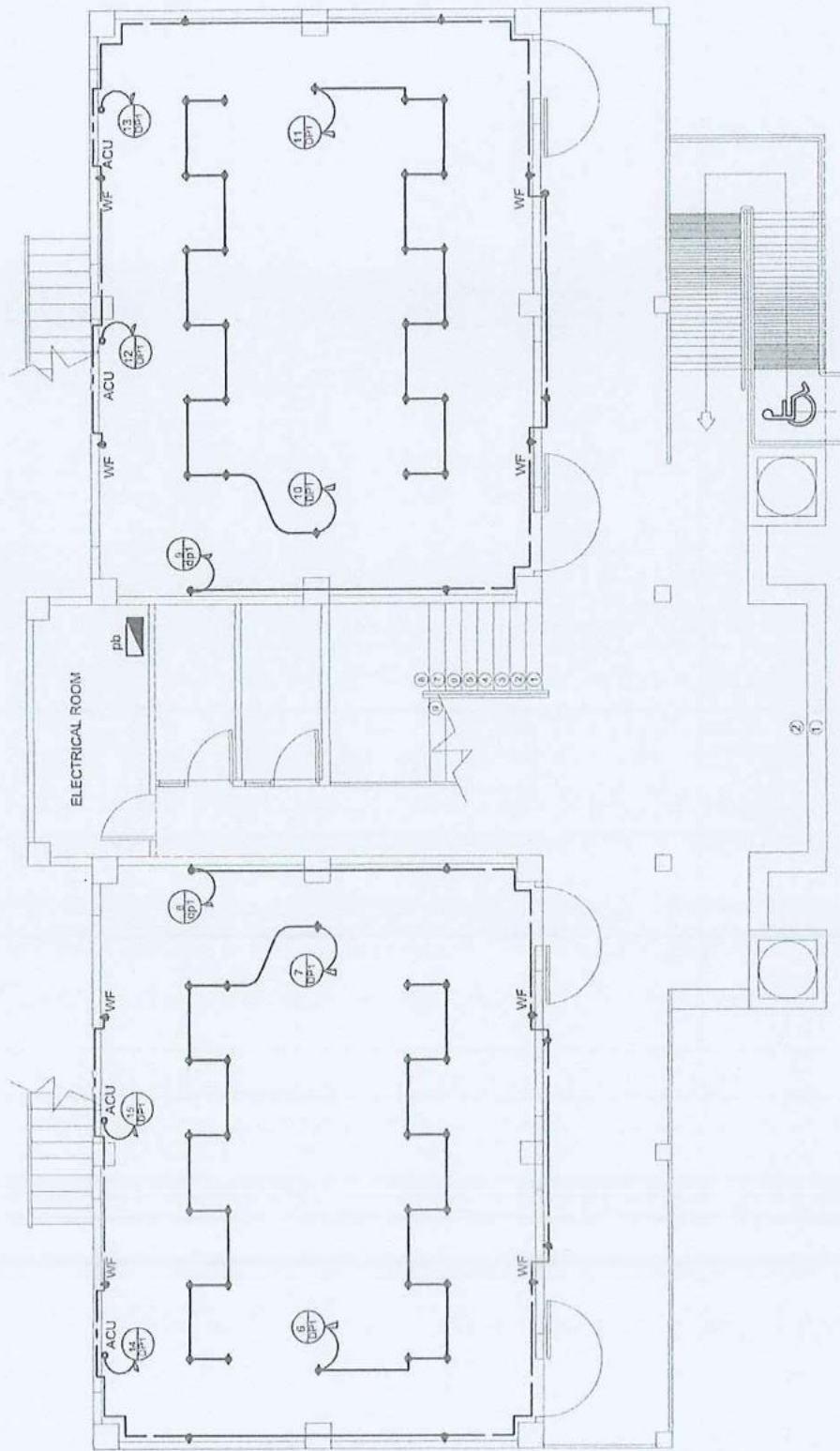
	PROJECT TITLE: INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SLEU CANTAMANS	PLANNED BY: I ENGR. IVAN V. VILLALBA PROJECT ENGINEER: I DATE: 10/1/2019	REVIEWED BY: ENGR. MELVIN A. MANABAGAY PROJECT ENGINEER: II DATE: 10/1/2019	RECOMMENDING APPROVAL: ENGR. MELVIN A. MANABAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: FREDERICK T. VILLA, DT PROJECT MANAGER	SHEET CONTENT: E1
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SECOND FLOOR LIGHTING LAYOUT PLAN

SCALE

	PROJECT TITLE:		PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET #
	INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SUBO CAYANAN		ENGR. IVAN VELASCO B. SICA PROJECT COORDINATOR OFFICE 1	ENGR. MELVIN A. TRAPAGAY PROJECT COORDINATOR OFFICE 2	ENGR. MELVIN A. TRAPAGAY	FRUDEFERICK T. VILLA, DT	E2
PROJECT NO. 2023 CAYANAN CAMP 2, CAYANAN, SUCEDAN		DATE ISSUED: 1	DATE ISSUED: 1	DATE ISSUED: 1	DATE ISSUED: 1	DATE ISSUED: 1	
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GROUND FLOOR POWER LAYOUT SCALE

	PROJECT TITLE: INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SALU CANTINAN VERSION: 001	PLANNED BY: ENGR. IVAN V. DE LA ROSA PROJECT DEVELOPMENT OFFICE I	REVIEWED BY: ENGR. MELVIN A. PAMPAGAY PROJECT DEVELOPMENT OFFICE I	RECOMMENDING APPROVAL: ENGR. MELVIN A. PAMPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: FREDERICK T. VILLA, DT PROJECT DIRECTOR	SHEET CONTENT: E3	SHEET #
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L01	4" DIA. DAYLIGHT LED DOWN LIGHT
L02	4" DIA. DOUBLE HEADED LED DOWN LIGHT
L03	30X120 LED PANEL LIGHT
L04	6" DIA. SURFACE MOUNTED LED LIGHT
C01	CEILING FAN

	Lighting Panel		Circuit Breaker
	Incandescent Lamp Outlet		Fire Extinguisher
	Wall Fan Outlet		Single Switch
	Recessed Fan Outlet		Two Gang Switch
	Air Conditioning Unit Outlet		Three Gang Switch
	Circuit Harmonic		Three Way Switch
	Service Entrance		

	PROJECT TITLE:	PLANNED BY: 1	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET #
	INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SISO CATANUAN	ENGR. IVAN REYDIL R. MEDUA	ENGR. MARK REYNOLDSON	 ENGR. MARK REYNOLDSON ENGR. NELSON MAKIPAGAY	FREDERICK T. VILLA, DT	
		PROJECT COORDINATOR OFFICE 1	PROJECT COORDINATOR OFFICE 2			
		REV. 1.1	REV. 1.1			
		REV. 1.2	REV. 1.2			
(Continued on next sheet)						

PANEL: DP2
240V, 1Ø, 60Hz

LOAD SCHEDULE										
CCT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	LIGHTING OUTLET	9	900	230	3.91	20	50	2	2-2.5 sq. mm	20
2	LIGHTING OUTLET	12	1200	230	5.22	20	50	2	2-2.5 sq. mm	20
3	LIGHTING OUTLET	9	900	230	3.91	20	50	2	2-2.5 sq. mm	20
4	LIGHTING OUTLET	12	1200	230	5.22	20	50	2	2-2.5 sq. mm	20
5	LIGHTING OUTLET	11	1100	230	4.78	20	50	2	2-2.5 sq. mm	20
6	CONVEYANCE OUTLET	13	2340	230	10.17	20	50	2	2-3.5 sq. mm	20
7	CONVEYANCE OUTLET	13	2340	230	10.17	20	50	2	2-3.5 sq. mm	20
8	CONVEYANCE OUTLET	10	1800	230	7.83	20	50	2	2-3.5 sq. mm	20
9	CONVEYANCE OUTLET	10	1800	230	7.83	20	50	2	2-3.5 sq. mm	20
10	CONVEYANCE OUTLET	13	2340	230	10.17	20	50	2	2-3.5 sq. mm	20
11	CONVEYANCE OUTLET	13	2340	230	10.17	20	50	2	2-3.5 sq. mm	20
12	1-PAJCU	1	2300	230	16	20	50	2	-	20
13	3-PAJCU	1	-	230	-	20	50	2	-	-
14	1-PAJCU	1	2350	2350	10	20	50	2	2-3.5 sq. mm	20
15	3-PAJCU	1	-	230	-	20	50	2	-	-
16	3-PAJCU	1	-	230	-	20	50	2	-	-
TOTAL CONNECTED LOAD			22840		99.39					

$$= 3\emptyset + (\text{Highest } 1\emptyset)(1.732) + (.25 \times \text{Highest Motor Load})$$
$$= 99.39 \times 125\% = 124.23$$

MAIN : 125 AT. 2P. 230 V

USE : (2-38 sq.mm THHN Copper Wire) +

(1-14mm THHN Copper Wire) in 50mmØ

PANEL : MDP
240V. 1Ø. 60Hz

LOAD SCHEDULE										
Ckt. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE	CONDUIT
1	DW1	1	228650	230	99.39	125	125	2	2-3/8 in. mm	50
2	DW2	1	236420	230	102.70	125	125	2	2-3/8 in. mm	50
TOTAL CONNECTED LOAD			465070		202.09					

$$= 3\emptyset + (\text{Highest } \emptyset)(1.732) + (.25 \times \text{Highest Motor Load})$$
$$= 202.09 \times 125\% = 252.61$$

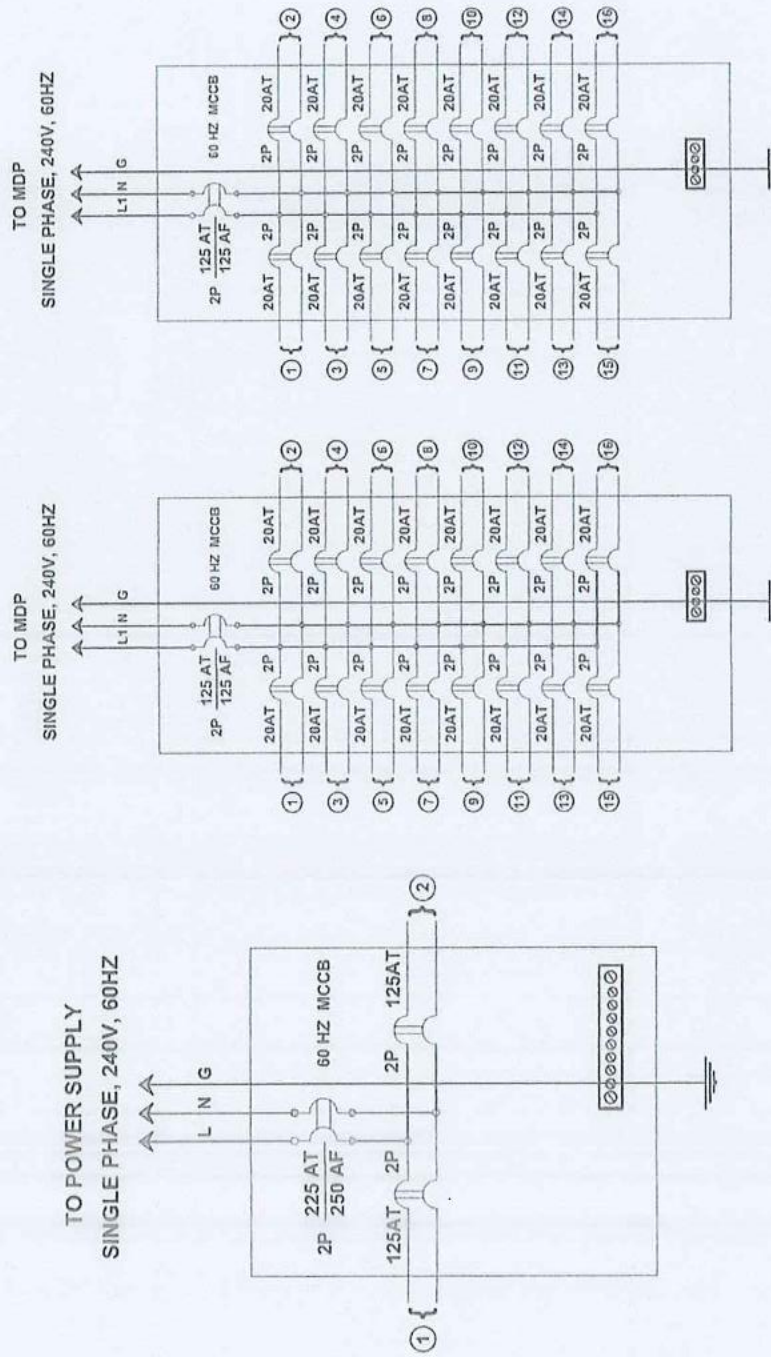
MAIN : 225 AT, 2P, 230 V

USE : (2-100 sq.mm THHN Copper Wire) +

(1-30mm THHN Copper Wire) in 80mmØ

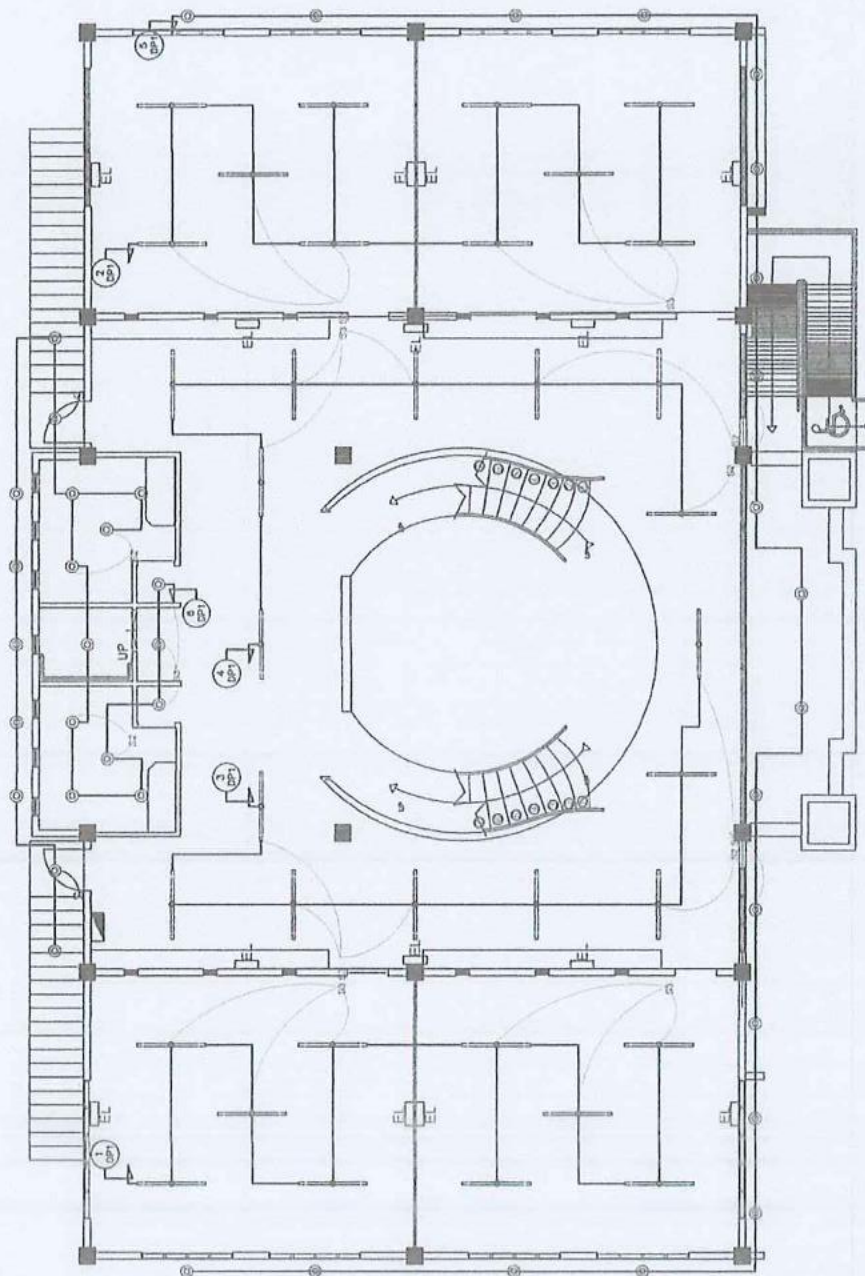
COMPUTER LABORATORY

	PROJECT TITLE:	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET #
	INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SLSU CATAGAN	ENGR. IVAN C. CALD B. MEDIA <i>IMC</i>	ENGR. MAELYN C. MAKIPAGAY <i>MAC</i>	ENGR. MELVIN A. MAKIPAGAY <i>MMK</i>	FREDECK T. VILLA, DT	E5
	DESIGNED BY: DESIGNED DATE: DESIGNED BY:	PROJECT DESCRIPTION: OFFICE 1 DESIGNED DATE: DESIGNED BY:	PROJECT DESCRIPTION: OFFICE 2 DESIGNED DATE: DESIGNED BY:	PROJECT DESCRIPTION: OFFICE 3 DESIGNED DATE: DESIGNED BY:	PROJECT DESCRIPTION: OFFICE 4 DESIGNED DATE: DESIGNED BY:	



COMPUTER LABORATORY LOAD SCHEDULE

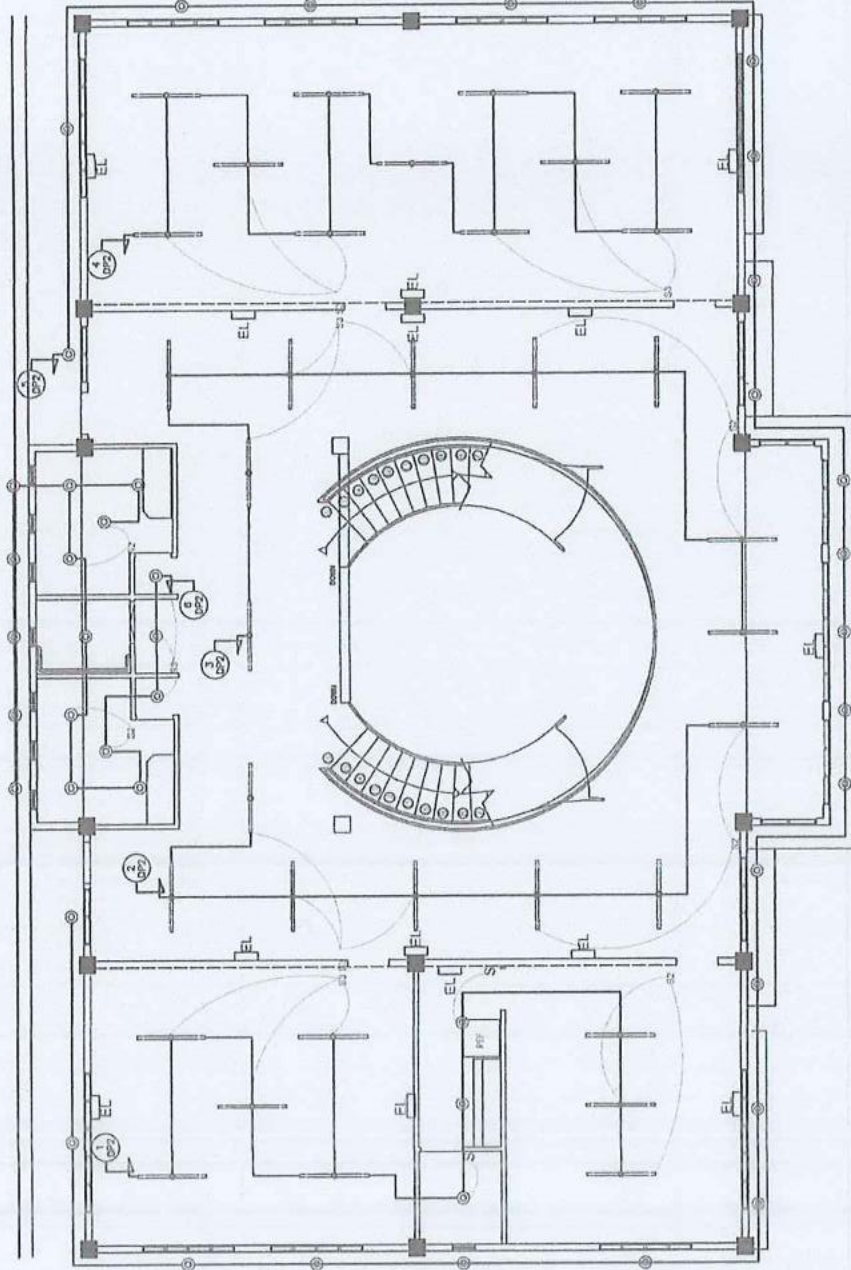
PROJECT TITLE:	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET #
INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SALUD CANTONAL	ENGR. IVAN GARCIA H. MEDINA PROJECT ENGINEER OFFICE I NO. 1 FACILITY I FACILITY I	ENGR. IVAN GARCIA H. MEDINA PROJECT ENGINEER OFFICE I NO. 1 FACILITY I FACILITY I	ENGR. MELVIN R. MARIAGAY PROJECT ENGINEER OFFICE NO. 2 FACILITY II FACILITY II	FREDERICK T. VILLA, DT PROJECT ENGINEER		E6



GROUND FLOOR
LIGHTING LAYOUT PLAN
SCALE

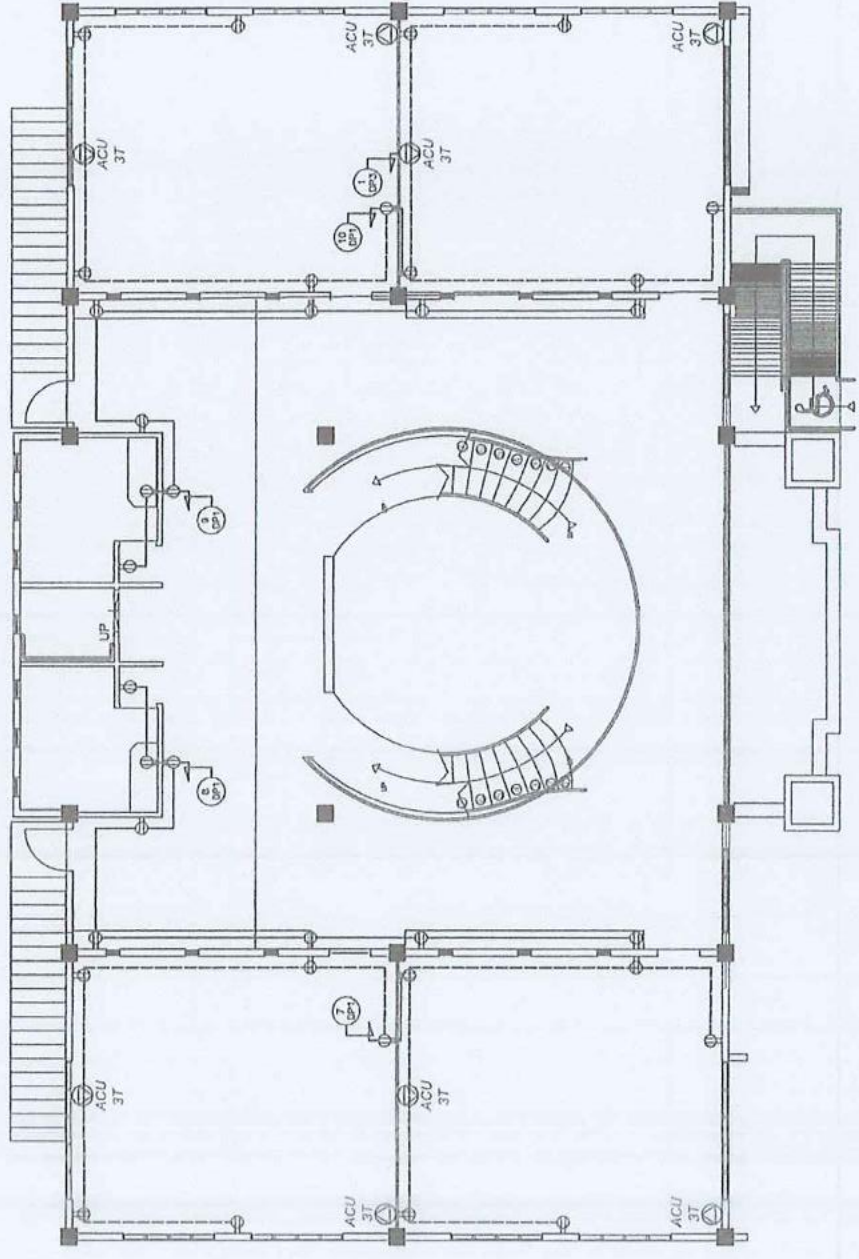
ADMIN BUILDING

[illegible]



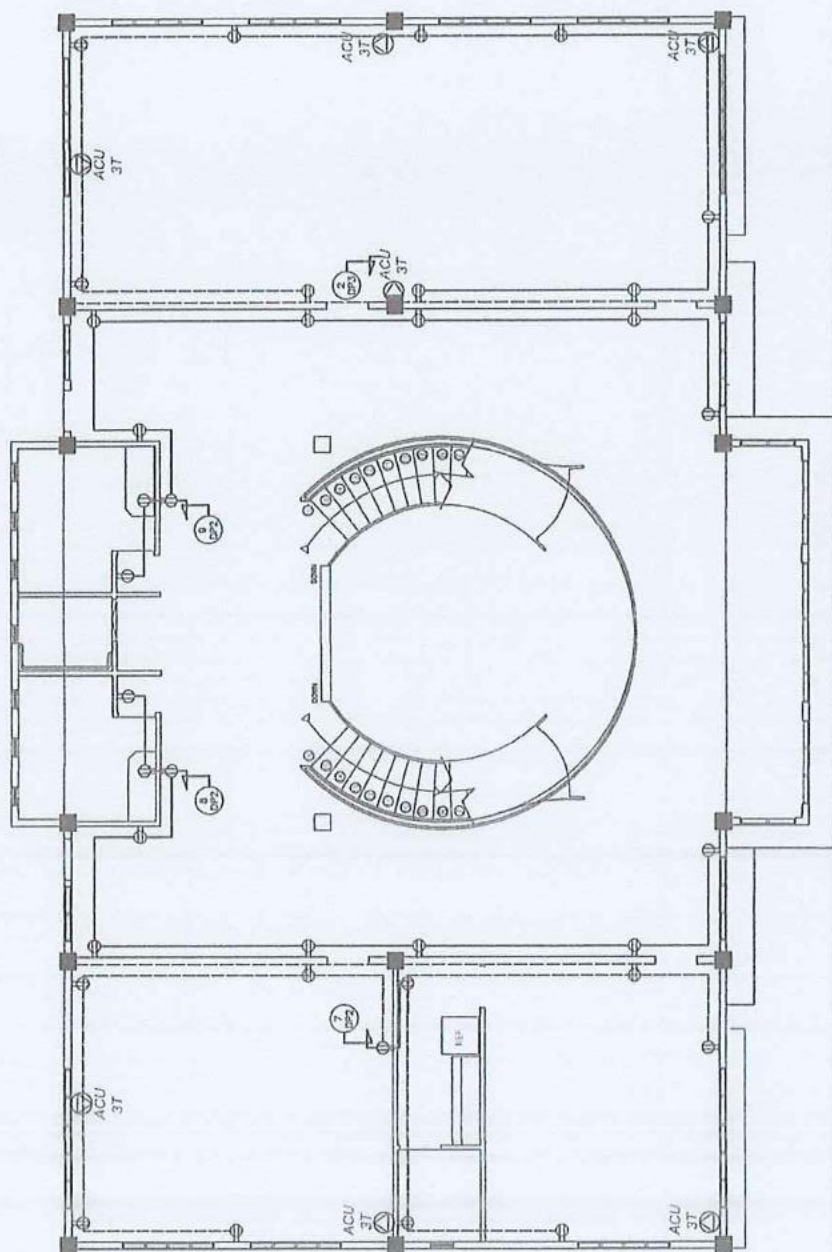
SECOND FLOOR
LIGHTING LAYOUT PLAN
SCALE

	PROJECT TITLE:	INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT S.M. CANTANUNAN	PLANNED BY:	ENGR. IVAN M. SUCIA PROJECT ENGINEER OFFICE 1	REVIEWED BY:	ENGR. MELVIN A. MANIPAGAY PROJECT ENGINEER OFFICE 2	RECOMMENDING APPROVAL:	ENGR. MELVIN A. MANIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY:	FREDERICK T. VILLA, DT PROJECT MANAGER	SHEET CONTENT:	SHEET #
												E8



GROUND FLOOR
POWER LAYOUT
SCALE

	PROJECT TITLE: INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT MAGSAYSAN	PLANNED BY: ENGR. IVAN REYES B. MEDINA PROJECT SUPERVISOR OFFICER 1 DATE: 10/10/2010 PAGE 00001	REVIEWED BY: ENGR. MARVIN VILLA MANAYAN PROJECT SUPERVISOR OFFICER 2 DATE: 10/10/2010 PAGE 00002	RECOMMENDING APPROVAL: ENGR. MELVIN A. MANAYAN DIRECTOR, PROJECT MANAGEMENT OFFICE DATE: 10/10/2010 PAGE 00003	APPROVED BY: FREDERICK T. VILLA, DT PROJECT DATE: 10/10/2010 PAGE 00004	SHEET CONTENT: E9	SHEET #
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SECOND FLOOR POWER LAYOUT

[illegible]

PANEL : DP1
240V, 1Ø, 60Hz

LOAD SCHEDULE									
CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE
1	LIGHTING OUTLET	12	1200	230	5.22	20	50	2	2-3.5 sq. mm
2	LIGHTING OUTLET	14	1400	230	6.07	20	50	2	2-3.5 sq. mm
3	LIGHTING OUTLET	12	1200	230	5.22	20	50	2	2-3.5 sq. mm
4	LIGHTING OUTLET	11	1100	230	4.78	20	50	2	2-3.5 sq. mm
5	LIGHTING OUTLET	19	1900	230	8.74	20	50	2	2-3.5 sq. mm
6	LIGHTING OUTLET	20	2000	230	8.70	20	50	2	2-3.5 sq. mm
7	CONVENIENCE OUTLET	10	1800	230	7.83	20	50	2	2-3.5 sq. mm
8	CONVENIENCE OUTLET	8	1440	230	6.26	20	50	2	2-3.5 sq. mm
9	CONVENIENCE OUTLET	8	1440	230	6.26	20	50	2	2-3.5 sq. mm
10	CONVENIENCE OUTLET	10	1800	230	7.83	20	50	2	2-3.5 sq. mm
TOTAL CONNECTED LOAD			15980		66.45				

$I_{TOTAL} = 3Ø + (\text{Highest } 1Ø)(1.732) + (.25 \times \text{Highest Motor Load})$
 $I_{TOTAL} = 66.45 \times .08 \text{ DF} = 53.16$
 MAIN : 100 AT, 2P, 230 V
 USE : (2-30 sq.mm THHN Copper Wire) +
 (1-8.0mm THHN Copper Wire) in 32mmØ

PANEL : DP3
240V, 1Ø, 60Hz

LOAD SCHEDULE									
CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE
1	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
2	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
3	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
4	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
5	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
6	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
7	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
8	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
9	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
10	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
11	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
12	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
13	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
14	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
15	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
16	2ØP ACU	1	2760	230	12	30	50	2	2-5.5 sq. mm
TOTAL CONNECTED LOAD			22080		96				

$I_{TOTAL} = 3Ø + (\text{Highest } 1Ø)(1.732) + (.25 \times \text{Highest Motor Load})$
 $I_{TOTAL} = 96 + (.25 \times 12) \times 125\% = 123.75$
 MAIN : 175 AT, 2P, 230 V
 USE : (2-60 sq.mm THHN Copper Wire) +
 (1-14.0mm THHN Copper Wire) in 32mmØ

PANEL : DP2
240V, 1Ø, 60Hz

LOAD SCHEDULE									
CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE
1	LIGHTING OUTLET	15	1500	230	6.57	20	50	2	2-3.5 sq. mm
2	LIGHTING OUTLET	10	1000	230	4.35	20	50	2	2-3.5 sq. mm
3	LIGHTING OUTLET	13	1300	230	5.65	20	50	2	2-3.5 sq. mm
4	LIGHTING OUTLET	14	1400	230	6.09	20	50	2	2-3.5 sq. mm
5	LIGHTING OUTLET	25	2500	230	10.87	20	50	2	2-3.5 sq. mm
6	LIGHTING OUTLET	17	1700	230	7.48	20	50	2	2-3.5 sq. mm
7	CONVENIENCE OUTLET	9	1620	230	7.04	20	50	2	2-3.5 sq. mm
8	CONVENIENCE OUTLET	9	1620	230	7.04	20	50	2	2-3.5 sq. mm
9	CONVENIENCE OUTLET	9	1620	230	7.04	20	50	2	2-3.5 sq. mm
10	CONVENIENCE OUTLET	9	1620	230	7.04	20	50	2	2-3.5 sq. mm
TOTAL CONNECTED LOAD			15980		69.03				

$I_{TOTAL} = 3Ø + (\text{Highest } 1Ø)(1.732) + (.25 \times \text{Highest Motor Load})$
 $I_{TOTAL} = 69.03 \times .08 \text{ DF} = 55.25$
 MAIN : 100 AT, 2P, 230 V
 USE : (2-30 sq.mm THHN Copper Wire) +
 (1-8.0mm THHN Copper Wire) in 32mmØ

PANEL : MDP
240V, 1Ø, 60Hz

LOAD SCHEDULE									
CKT. NO.	DESCRIPTION	NO. OF FIXTURES	VA	VOLT	CIRCUIT AMPERE	AT	AF	P	PHASE
1	DP1	1	21000	230	94	175	200	2	2-80 sq. mm
2	DP2	1	18140	230	83.16	150	160	2	2-50 sq. mm
3	DP3	1	7850	230	35.75	100	100	2	2-20 sq. mm
TOTAL CONNECTED LOAD			44990		204.41				

$I_{TOTAL} = 3Ø + (\text{Highest } 1Ø)(1.732) + (.25 \times \text{Highest Motor Load})$
 $I_{TOTAL} = 204.41 \times 125\% = 255.51$
 MAIN : 250 AT, 2P, 230 V
 USE : (2-100 sq.mm THHN Copper Wire) +
 (1-30mm THHN Copper Wire) in 80mmØ

ADMIN BUILDING LOAD SCHEDULE

	PROJECT TITLE:	INSTALLATION AND REPAIR OF ELECTRICAL FACILITIES AT SARAY CATALAN	PLANNED BY:	ENGR. IVAN B. SELDIA PROJECT DEVELOPMENT OFFICER I	REVIEWED BY:	ENGR. MELVIN A. VARGAS PROJECT DEVELOPMENT OFFICER II	RECOMMENDING APPROVAL:	ENGR. MELVIN A. VARGAS DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY:	FREDERICK T. VILLA, DT PLANNING OFFICER	SHEET #	E11
	DATE:	10/1/2023	DATE:	10/1/2023	DATE:	10/1/2023	DATE:	10/1/2023	DATE:	10/1/2023	SHEET CONTENT:	

