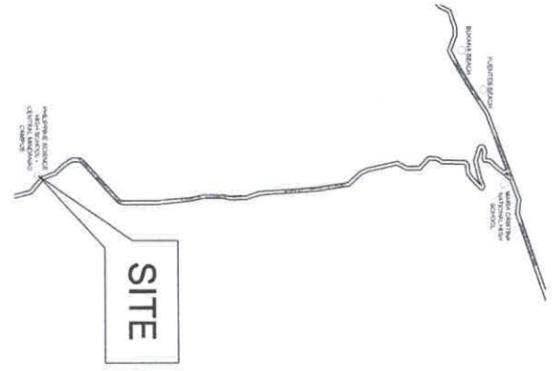
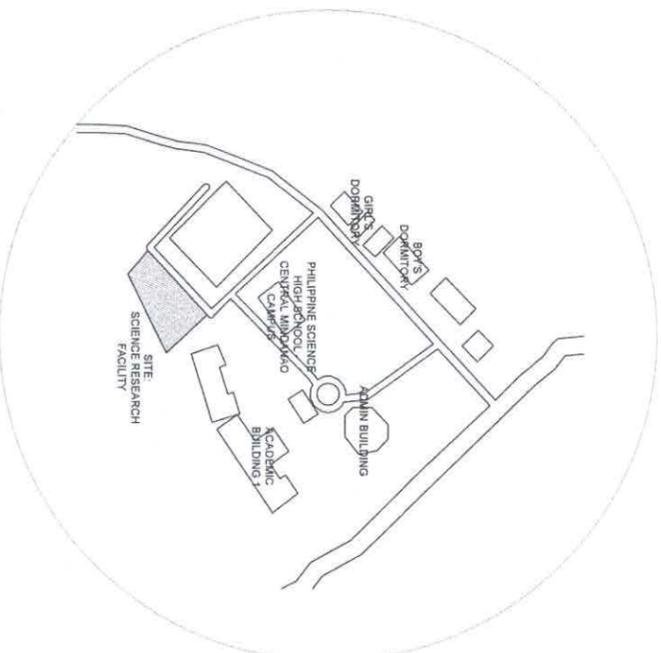


GENERAL NOTES

- ✱ ALL WORKS PERFORMED UNDER THE SCOPE OF THIS SPECIFICATION SHALL CONFORM TO THE FOLLOWING CODES AND STANDARDS WHERE APPLICABLE. WHEN A CONFLICT OCCURS, THE COMMUNICATIONS CONTRACTOR IS DIRECTED TO FOLLOW THE MOST STRINGENT REQUIREMENTS.
 - A. THE LATEST EDITION OF THE PHILIPPINE ELECTRONICS CODE
 - B. THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE
 - C. THE NATIONAL BUILDING CODE AND ITS IRR
 - D. THE RULES AND REGULATION OF THE LOCALITY
 - E. THE LATEST REVISIONS OF THE ANSII/ISA STANDARDS
- ✱ ALL VOICE AND DATA CABLING WORKS HEREIN INCLUDED SHALL BE EXECUTED BY A MANUFACTURER-CERTIFIED CABLE INSTALLER (CONTRACTOR) UNDER THE DIRECT SUPERVISION OF A FULL TIME LICENSED PROFESSIONAL ELECTRONICS ENGINEER (PEEC). THE COMMUNICATIONS CONTRACTOR SHALL PROVIDE COPIES OF THE CERTIFICATION OF THE COMPANY, WITH THE NAMES OF STAFF LISTING THEIR TRAINING, AND YEARS OF EXPERIENCE TO PROVIDE PROOF OF COMPLIANCE TO MANUFACTURER'S CERTIFICATION REQUIREMENTS.
- ✱ ALL VOICE AND DATA HORIZONTAL CABLING WORKS HEREIN INCLUDED SHALL BE CATEGORY 5A 4-PAIRS UTP.
- ✱ ALL ANALOG VOICE CABLING WORKS HEREIN INCLUDED SHALL BE CATEGORY 5e 4-PAIRS UTP.
- ✱ BACKBONE CABLING SHALL BE 8-CORE MULTIMODE OPTICAL FIBER 50/125µm OM3 FOR DATA AND CATEGORY 3 OR HIGHER MULTIPAIR CABLE FOR ANALOG VOICE.
- ✱ ALL VOICE AND DATA CONDUITS SHALL BE PROTECTED AGAINST DAMAGES BY THE ENTRANCE OF WATER AND FOREIGN MATTER DURING CONSTRUCTION, ALL ENDS OF CONDUITS SHALL BE PROPERLY PLUGGED TO EXCLUDE MOISTURE AND DUST IMMEDIATELY AFTER THE CONDUITS ARE PLACED.
- ✱ ALL VOICE AND DATA CONDUITS SHALL BE NO MORE THAN 60% FULL
- ✱ THERE SHALL BE ADEQUATE AND EFFECTIVE EQUIPMENT GROUNDING. GROUND RESISTANCE SHOULD BE NO MORE THAN (5) OHMS, IF GROUND RESISTANCE EXCEED FIVE (5) OHMS ADDITIONAL GROUND RODS SHALL BE PROVIDED
- ✱ ALL MATERIALS NOT FURNISHED BY REQUISITION, AND REQUIRED TO COMPLETE THE INSTALLATION OF A STRUCTURED CABLING SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR.
- ✱ THE COMMUNICATIONS CONTRACTOR SHALL EXAMINE AND STUDY THE ARCHITECTURAL SCALE DRAWING, LARGE-SCALE AND FULL-SIZE DETAILS, APPROVED SHOP DRAWING 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 DETAILS. THE PLANS ARE DIAGRAMMATICAL AND DO NOT SCALE SHOW ALL FITTINGS, NECESSARY TO FIT TO THE BUILDING CONDITIONS. THE LOCATION OF INFORMATION OUTLETS, APPARATUS AND APPLIANCE SHOWN ON THE PLANS ARE APPROXIMATE
- ✱ THE CONTRACTOR SHALL BE 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 THE STRUCTURED CABLING WORKS, THE FOLLOWING TEST SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS AND IN FORMS APPROVED BY THE OWNERS REPRESENTATIVE FOR BALANCED TWISTED-PAIR
 - A. WIRE MAP
 - B. LENGTH
 - C. INSERTION LOSS
 - D. NEXT LOSS (PAIR-TO-PAIR)
 - E. NEXT LOSS (POWER SUM)
 - F. ELFEKT (PAIR-TO-PAIR)
 - G. ELFEKT (POWER SUM)
 - H. RETURN LOSS
 - I. PROPAGATION DELAY

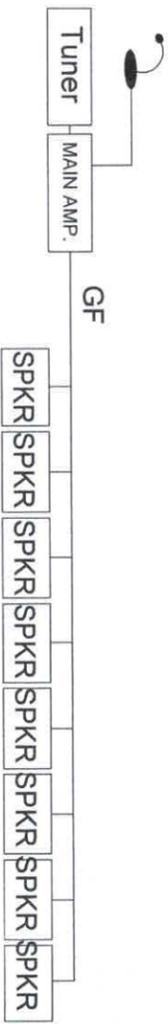


- LEGEND:
- ☐ SMOKE DETECTOR
 - ☐ CLOSED CIRCUIT TELEVISION
 - ☐ DATA
 - ☐ TELEPHONE
 - ☐ WIFI
 - ☐ PRINTER
 - ☐ FIRE ALARM BELL
 - ☐ SPEAKER

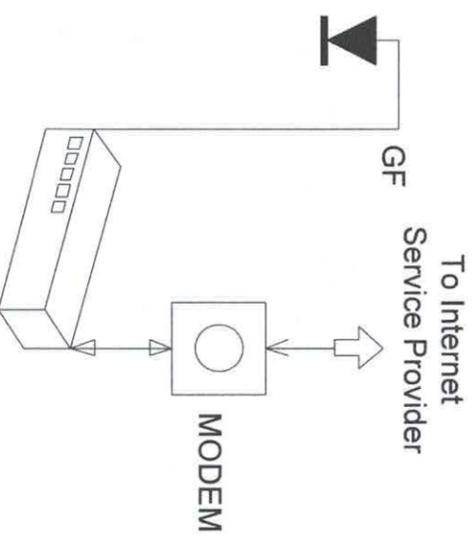
REPUBLIC OF THE PHILIPPINES
Office of the Building Official
LANAO DEL NORTE

RECOMMENDING ISSUANCE
DATE _____

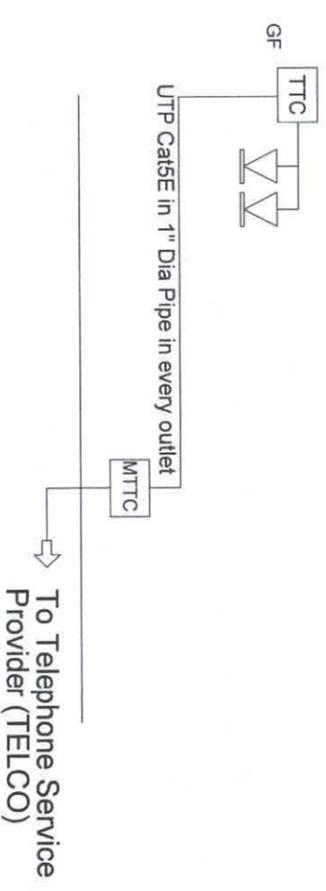
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BUILDING OFFICIAL DATE _____



PUBLIC ADDRESS / BACKGROUND MUSIC SYSTEM
SINGLE LINE DIAGRAM



DATA COMM./INTERNET SYSTEM
SINGLE LINE/RISER DIAGRAM



VOICE COMM. (TELEPHONE) SYSTEM
SINGLE LINE DIAGRAM

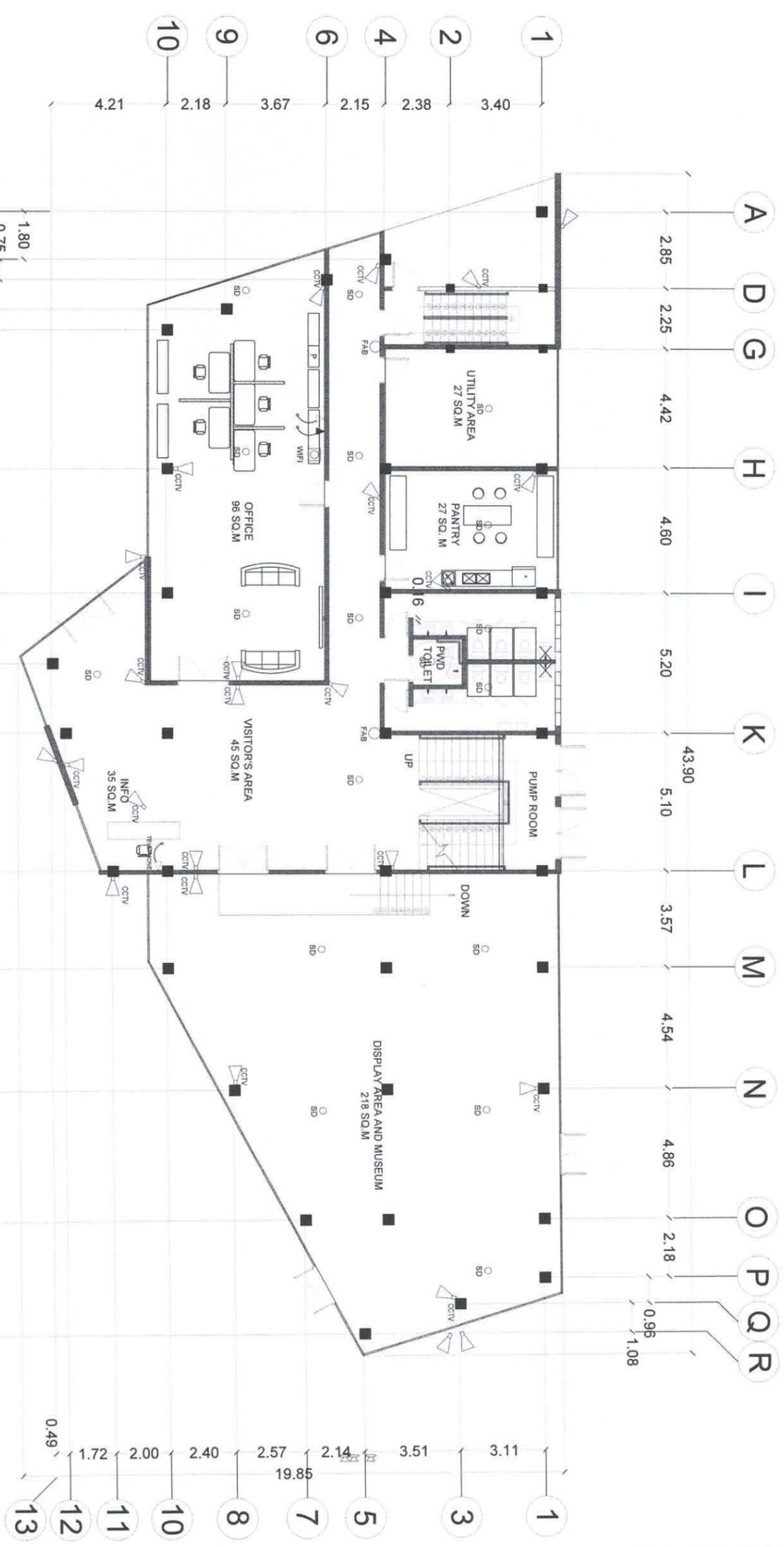
 E.J. BUILDERS, Incorporated CONTRACTORS • ENGINEERS • ARCHITECTS		RODSON SUGAROL ELECTRONICS ENGINEER		PRC : 0054621 PTR : 328883		REG. DATE: 05/JUL/2013 DATE: 02-04-2019		TIN : 264-449-721	
DRAWINGS AS INSTRUMENTS OF SERVICE ARE PROPERTY OF THE ARCHITECT AND SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT PERMISSION. (REPUBLIC ACT 9296)		SEAL		PROJECT TITLE: A PROPOSED 3-STORY SCIENCE RESEARCH FACILITY		OWNER: PHILIPPINE SCIENCE HIGH SCHOOL-CENTRAL MINDANAO CAMPUS		SHEET CONTENTS: AS-SHOWN	
LOCATION: NANGKA, BALOI, LANAO DEL NORTE		ADDRESS: NANGKA, BALOI, LANAO DEL NORTE		REVISIONS		SHEET NO.		NO. DESCRIPTION DATE	
EL-1 1 4 ELECTRONICS		DATE		DATE		DATE		DATE	

RECOMMENDING ISSUANCE

ELECTRONICS SECTION DATE

ISSUED BY: DATE

BUILDING OFFICIAL DATE



1 GROUND FLOOR ELECTRONICS PLAN

EL-2 SCALE 1:100 MTS

- LEGEND:**
- SD SMOKE DETECTOR
 - CCTV CLOSED CIRCUIT TELEVISION
 - DATA
 - TELEPHONE
 - WIFI
 - PRINTER
 - FIRE ALARM BELL
 - SPEAKER

<p>ELJ BUILDERS, Incorporated CONTRACTORS • ENGINEERS • ARCHITECTS</p>		<p>RODSON SUGAROL ELECTRONICS ENGINEER</p> <p>REG. DATE: 05-07-2013 DATE: 02-04-2019</p>		<p>DRAWINGS AS INSTRUMENTS OF SERVICE ARE PROPERTY OF THE ARCHITECT AND SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT PERMISSION. (REPUBLIC ACT 9266)</p>		<p>PROJECT TITLE: A PROPOSED 3-STOREY SCIENCE RESEARCH FACILITY</p> <p>LOCATION: NANANGKA, BALCOJ, LANAO DEL NORTE</p>		<p>OWNER: PHILIPPINE SCIENCE HIGH SCHOOL-CENTRAL MINDANAO CAMPUS</p> <p>ADDRESS: NANANGKA, BALCOJ, LANAO DEL NORTE</p>		<p>SHEET CONTENTS: AS-SHOWN</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE				<p>SHEET NO. EL-2 1 4 ELECTRONICS</p>	
NO.	DESCRIPTION	DATE																			

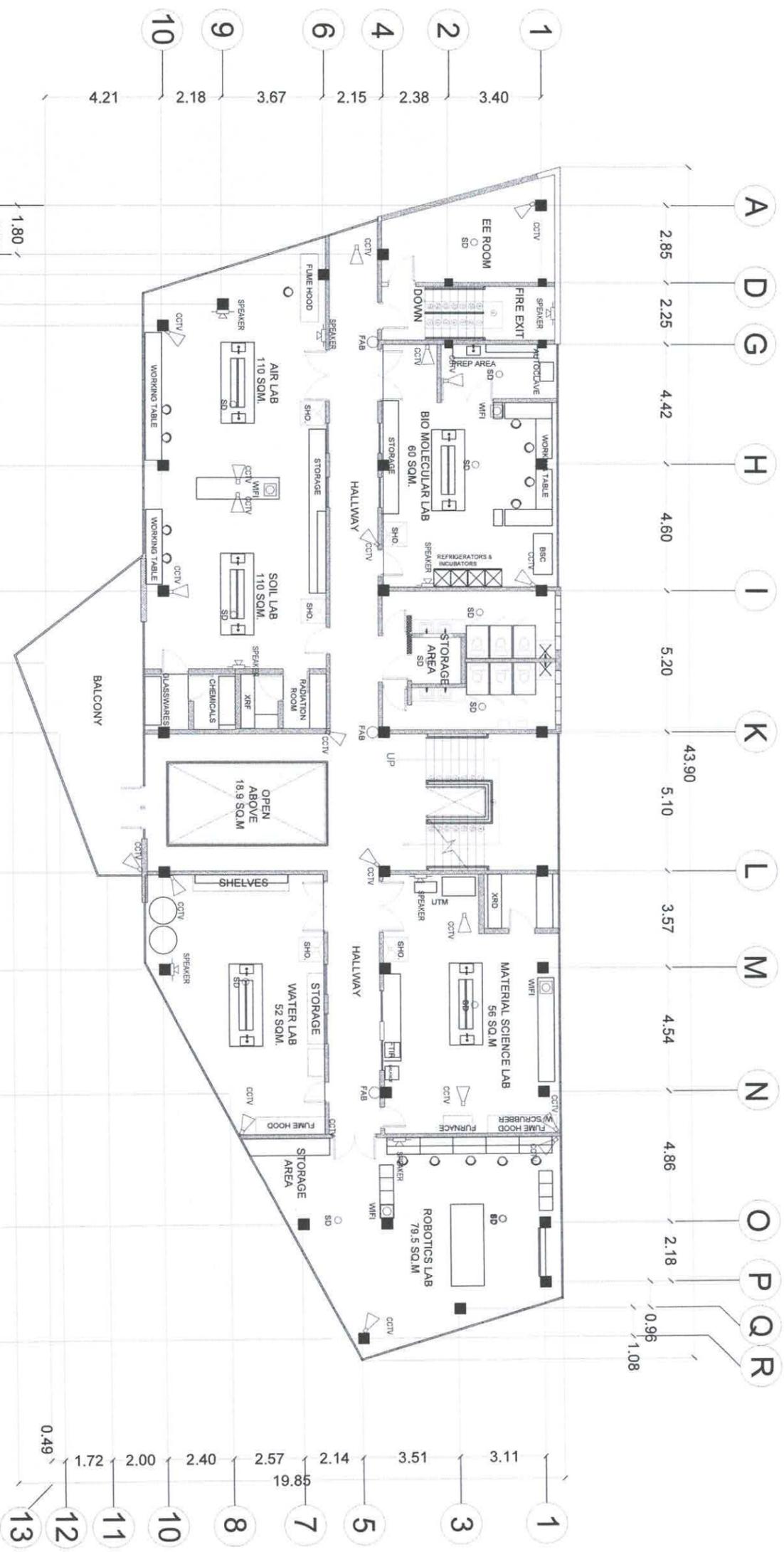
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ELECTRONIC ENGINEERING

RECOMMENDING ISSUANCE

ELECTRONICS SECTION DATE

ISSUED BY: DATE

BUILDING OFFICIAL DATE



2 SECOND FLOOR ELECTRONICS PLAN
SCALE 1:100 MTS

EL-3

LEGEND:

- SD SMOKE DETECTOR
- CTV CLOSED CIRCUIT TELEVISION
- DATA
- TELEPHONE
- WIFI
- PRINTER
- FIRE ALARM BELL
- SPEAKER

<p>ELJ BUILDERS, Incorporated CONTRACTORS - ENGINEERS - ARCHITECTS</p>		<p>RODSON SBRAROL ELECTRONICS ENGINEER</p>		<p>DRAWINGS AS INSTRUMENTS OF SERVICE ARE PROPERTY OF THE ARCHITECT AND SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT PERMISSION (REPUBLIC ACT 9266)</p>		<p>PROJECT TITLE: A PROPOSED 3-STOREY SCIENCE RESEARCH FACILITY</p>		<p>OWNER: PHILIPPINE SCIENCE HIGH SCHOOL - CENTRAL MINDANAO CAMPUS</p>		<p>SHEET CONTENTS: AS-SHOWN</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE				<p>SHEET NO. EL-3 1 4 ELECTRONICS</p>	
NO.	DESCRIPTION	DATE																			
<p>PRC : 0054621 PTR : 328893 TIN : 264-449-721</p>		<p>REG. DATE: 05-07-2013 DATE: 02-04-2019</p>		<p>LOCATION: NANGKA, BALOI-1, LANAO DEL NORTE</p>		<p>ADDRESS: NANGKA, BALOI-1, LANAO DEL NORTE</p>		<p> </p>		<p> </p>		<p> </p>									

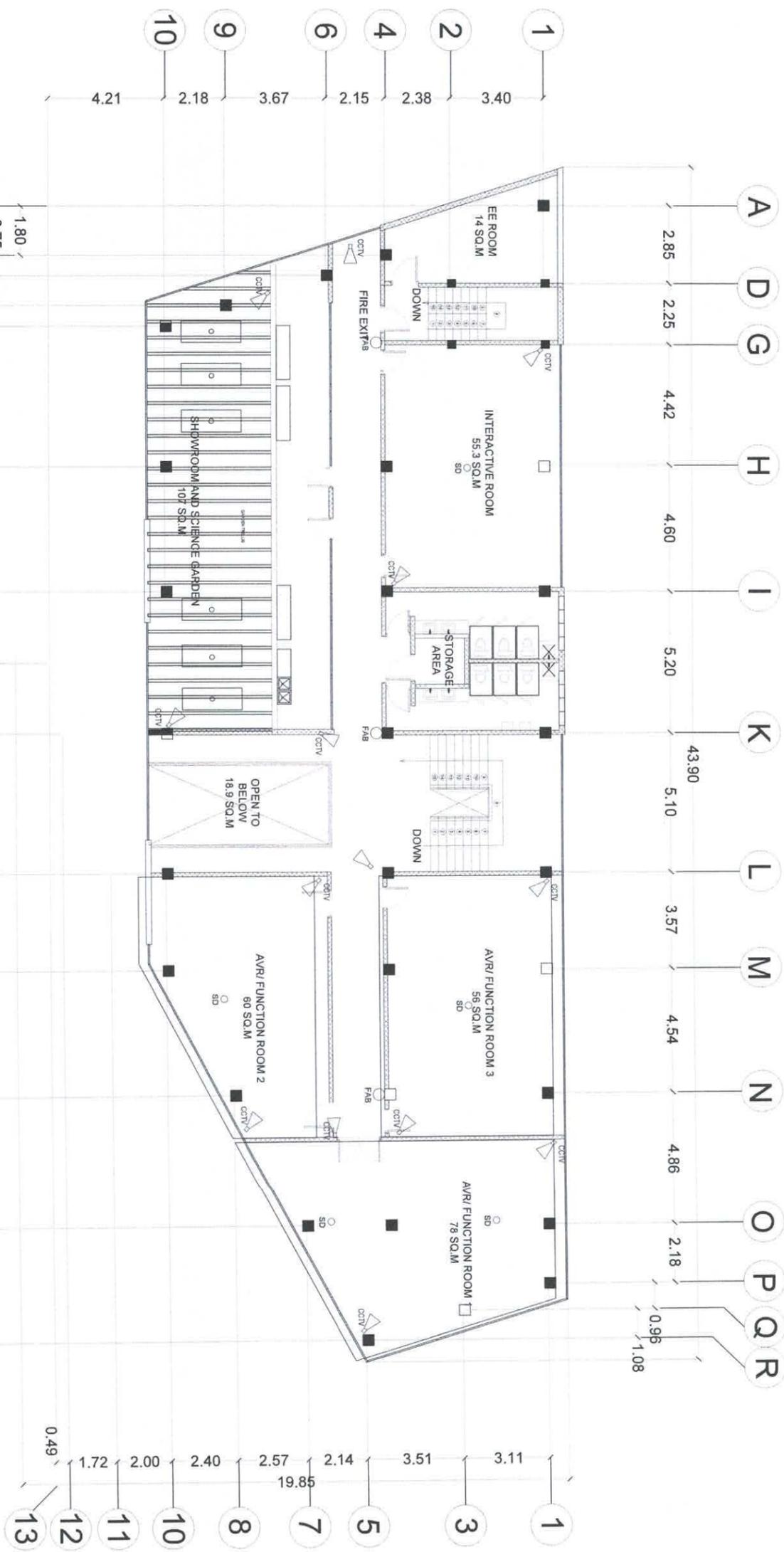
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ELECTRONICS SECTION DATE

ISSUED BY: DATE

BUILDING OFFICIAL DATE



3
THIRD FLOOR ELECTRONICS PLAN
SCALE 1:100 MTS

EL-4

NO.	DESCRIPTION	DATE

SEAL

PROJECT TITLE:
A PROPOSED 3-STOREY SCIENCE RESEARCH FACILITY

OWNER:
PHILIPPINE SCIENCE HIGH SCHOOL-CENTRAL MINDANAO CAMPUS

SHEET CONTENTS:
AS-SHOWN

SHEET NO.
EL-4
1
4
ELECTRONICS

ELJ BUILDERS, Incorporated
CONTRACTORS • ENGINEERS • ARCHITECTS

RODSON SUGAROL
ELECTRONICS ENGINEER
REG. DATE: 05-07-2013
PTR: 328893
DATE: 02-04-2014
TIN: 264-448-721

DRAWINGS AS INSTRUMENTS OF SERVICE ARE PROPERTY OF THE ARCHITECT AND SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT PERMISSION. (REPUBLIC ACT 9261)

LOCATION: NANGKA, BALOI, LANAO DEL NORTE

ADDRESS: NANGKA, BALOI, LANAO DEL NORTE

AS-SHOWN

ELECTRONICS

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