



MARIANO MARCOS STATE UNIVERSITY

Bids and Awards Committee

INVITATION TO MAKE AN OFFER: Negotiated Procurement

21-020

THE PROJECT: Provision of Fire detection and Alarm System for MMSU Review Center, MMSU-UTC, City of Batac

Number of Working Days: 60 calendar days
ABC: P769,808.29

1. The Mariano Marcos State University (MMSU), with offices at Quiling Sur, City of Batac, Ilocos Norte, invites the public to make an offer to furnish all labor, materials, tools and equipment necessary and proper for the implementation of the above Project as per approved designs, plans and drawings.
2. This process is in accordance with Section 53 of R.A. 9184, the Government Procurement reform Act and Section 53.9 of the Implementing Rules and Regulations where interested and qualified contractors are to submit proposals.
4. The offer must be in writing submitted at the address below on or before **November 22, 2021; 2:00 PM** together with the following documents:
 - a) The amount of the offer in writing duly signed by the person making the offer, indicated in numbers and figures.
 - b) The particulars of the offer as to labor, materials, tools, equipment and other work details.
 - c) Documents in support of the legal, technical and financial capability of the person making the offer, which documents shall be confirmed and verified (3 copies).
5. It is understood that any offer may be accepted or rejected, or the process invalidated, at any time prior to contract award, without liability to anyone.
6. Documents for this procurement may be secured from the MMSU BAC Secretariat at the address below or downloaded from the MMSU website or from the Philippine Government Electronic Procurement System (PhilGEPS) website.
7. For questions and inquiries, please write or email the University President, thru the BAC Chair, at the address indicated below.

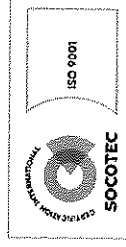
Mariano Marcos State University
Quiling Sur, City of Batac
www.mmsu.edu.ph

November 17, 2021


NATHANIEL R. ALIBUYOG
BAC CHAIR

Received: _____ Received: _____ Received: _____

Rm105 FEM Hall, MMSU, #16S Quiling Sur, City of Batac, Ilocos Norte
✉ bac@mmsu.edu.ph ☎ (077) 600-0459 www.mmsu.edu.ph



Republic of the Philippines
Mariano Marcos State University
City of Batac, Ilocos Norte

PROJECT INFORMATION DOCUMENT

Project Title : Provision of Fire Detection and Alarm System for MMSU
Review Center, MMSU – UTC, City of Batac
Project Location : MMSU – UTC, City of Batac

General Instructions:

The project calls for the furnishing of all materials, labor, tools and equipment needed for the provision of Fire Detection and Alarm System at the MMSU – UTC, City of Batac, Ilocos Norte. The said project shall be done in strict conformity with the design, plans, and other details, as well as the specifications, this Project Information Document and other related contract documents prepared and approved for the said project. It is highly recommended that the contract shall conduct site inspection in order to assess the existing condition of the site where the project will take place.

It also calls for the employment of manpower with the appropriate skills and expertise to undertake the specific scope of works and to enable the contractor to produce and deliver to satisfaction of the owner the needed services and output required for this undertaking. The contractor shall provide a site engineer that will serve as the Project-in-Charge, a safety officer and shall have adequate and readily available construction equipment to be utilized during the construction activities.

The contractor shall ensure that the construction activities must not interfere, obstruct or disturb any on-going operation of the building and other facilities. Hence, the contractor shall isolate the working area from the other portions of the building.

- I. Fire Detection and Alarm System
 - a. All Electronics works and installation shall be done in strict compliance with the Requirements of the Fire Code of the Philippines, Philippine Electronics Code. R.A. 9292 and all other existing Laws, Regulations, Codes and Local Ordinances.
 - b. All Electronic works shall be done in a neat and workmanship manner.
 - c. All Electronics work shall be under the direct supervision of a duly Licensed Professional Electronics Engineer and/or Electronics Engineer.
 - d. House Cabling Installations shall be done in accordance with the following recommendations: ANSI/TIA/EIA 569 - Commercial Building standard for Telecommunications Pathways and Spaces and ANSI/TIA/EIA-607 - Commercial Building Grounding and Bonding Requirements for Telecommunications

- e. All materials to be used shall be new and approved type for location.
- f. Contractor must be responsible for reviewing the full set of bid documents and be of the total scope of work prior to submission of bid. All works shown on the drawings not specifically called out as existing shall be considered work to be performed under the contract.
- g. Prior to submission of Proposal, Bidders, shall visit and carefully examine the site to become familiar with the existing conditions and he difficulties that may arise during the execution of this work. Submission of proposal shall be construed as evidence that such examination has been made. Later claims will not be recognized for extra labor, equipment or materials required due to difficulties encountered. No allowance shall be subsequently given to the contractor by reason of any error due to the contractor's negligence to comply with this requirement. Any discrepancies between the drawings and conditions should be reported to the Engineering/Planning office or any personnel who is in authority to the project.
- h. Before commencing work, the Contractor shall file all required permits, test reports/results, certifications for TCO and CO and pay all required fees.
- i. Upon completion of all Electronics work, the Contractor shall calibrate, test and adjust all circuits, devices and other components/items installed in the system. Any of these circuits, devices and other components/items found to be defective and ineffective shall be immediately replaced with a new one and will be recalibrated, tested and readjusted. All such remedial work provided shall be at NO cost to the owner.
- j. All notations of "SCALE" are intended as approximations. The contractor shall be responsible to ascertain as the exact dimensions in the actual field.
- k. Unless otherwise noted, electronics equipment and all other passive and active components of the system as reflected on the drawings shall be considered visible at their approximate locations. The contractor shall install these items as per instructions and approval of the authorized representative of the Owner.
 - l. All conduit runs reflected on the drawings are shown to outline the general routing of the major feeders and branch wiring. It is not within the scope of these drawings to show all necessary bends, pivots, offsets pull boxes and obstructions. It will be the responsibility of the contractor to install the system in compliance to the requirements of the Fire Code of the Philippines.
 - m. Additional component such as pull boxes, junction boxes, cable race and trays that are not shown on the drawings shall be provided as per requirement of existing codes or as per safety purposes. These components shall be installed so as NOT to destroy the internal aesthetic view of the building. Should any of these components prevent the installation of raceway as delineated on the contract, deviation must be approved by the designer prior to installation of any variation due to field conditions and shall not represent any additional cost to the owner.

- n. All conduits and boxes that are installed as part of this project are exposed except in areas with accessible hung ceiling. Exposed conduits and boxes shall be painted with primer and finish coating with colors specified by the Architect to match the surrounding surfaces.
- o. Electrical outlet or dedicated power source or electronic equipment and active components shall be provided including inside the terminal and distribution cabinets.
- p. All openings/holes between floors, through rated fire and smoke walls created by the contractor for cable or conduit pass through shall be sealed with fire stopping materials and to be installed acceptable by local Fire and Building Official. Any other openings/holes created by the contractor that is left unused should also be sealed at the end of installation.
- q. All exposed noncurrent-carrying metal parts of electronic and electrical equipment including raceways shall be grounded. A separate ground conductor shall be incorporated in all conduits. All metallic enclosures ensure continuity of the grounding circuit from the supply panel board grounding bus to the load ground terminal. The resistance from the service equipment ground bus to any load ground terminal should not exceed 0.5 ohms.
- r. No low voltage wiring shall be permitted in the same raceway as power wiring.
- s. All equipment shall have copper current carrying parts including ground bus and terminals.
- t. Remove all debris resulting from removal and/or installation of electronics and electrical work from the premises.
- u. Unless otherwise noted, "INSTALL" means to be PROVIDED, INSTALLED, CALIBRATED and COMMISSIONED BY THE CONTRACTOR.
- v. The contractor shall be responsible for all restoration, sealing, waterproofing leaks and penetrations, core drilling, cutting, patching and painting for the complete contracted work indicated.

After all the works have been completed, the surrounding immediate areas affected in the prosecution of the project shall be cleaned and cleared of all excess materials and debris, temporary structures, facilities and utilities used during the construction period. All spillages and scattered caused by the painting work, grouts, adhesives, as well as markings and signage shall likewise be removed to the full satisfaction of the Owner.

All works indicated in the plans, specifications and in this document shall be fully completed within 60 calendar days from the receipt of the Notice to Proceed. The given duration of the project is already inclusive of pre-determined unworkable days.

The approved budget for the project to bid is *Seven Hundred Sixty Nine Thousand Eight Hundred Eight and 29/100 Pesos Only* (₱769,808.29)

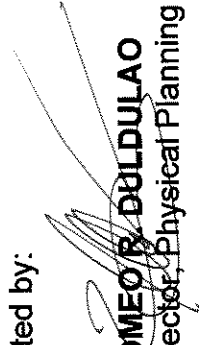
Prepared by:


WILSON R. DULDULAO
Professional Electronics Engineer

Checked by:


AIDA V. CABANG
Chief, Physical Planning Section

Noted by:


ROMEO R. DULDULAO
Director, Physical Planning and Development Office

Republic of the Philippines
Mariano Marcos State University
City of Batac, Ilocos Norte

BILL OF QUANTITIES

Project Title : Provision of Fire Detection and Alarm System for MMSU
Review Center, MMSU – ITC, City of Batac
Project Location : MMSU – UTC, City of Batac, Ilocos Norte 2906

Item No.	Description	Quantity	Unit
I.	Fire Detection and Alarm System Addressable Fire Alarm Control Panel (FACP) with four addressable loops Addressable Smoke Detector Addressable Heat Detector Addressable Manual Call Point Addressable Sounder Beacon Octagonal Metallic Utility Box Fire Retardant Cable Pipes, Conduits, Utility Box, and other supporting accessories	1 49 1 4 4 50 5 1	Unit Pieces Pieces Pieces Pieces Pieces Rolls Lot

Prepared by:


WILSON R. DULDULAO
Professional Electronics Engineer

Checked by:


AIDA V. CABANG
Chief, Physical Planning Section

Noted by:


ROMEO R. DULDULAO
Director, PPDO


Republic of the Philippines
Mariano Marcos State University
City of Batac, Ilocos Norte

SPECIFICATION

Project Title : Provision of Fire Detection and Alarm System for MMSU
Review Center, MMSU – ITC, City of Batac
Project Location : MMSU – UTC, City of Batac, Ilocos Norte 2906

Item No.	Description
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Prepared by:


WILSON R. DULDULAO
Professional Electronics Engineer

Checked by:


AIDA V. CABANG
Chief, Physical Planning Section

Noted by:


ROMEO R. DULDULAO
Director, PPDO



DETAILED ESTIMATES

Item No.: 1	Quantity: 1.00
Description: Fire Detection and Alarm System	Unit: lot

	Description	Quantity	Unit	Unit Price	Sub-Total
MATERIALS COST	Addressable Fire Alarm Control Panel (FACP) with four (2) addressable loops				-
	Addressable Smoke Detector				-
	Addressable Heat Detector				-
	Addressable Manual Call Point (Manual Pull Station)				-
	Addressable Sounder Beacon (Horn with Strobe Light)				-
	Octagonal Metallic Utility Box				-
	3m X 25mm Ø IMC/EMT Conduit Pipes				-
	Assorted Metallic Coupling for IMC/EMT and Utility Box				-
	Assorted Pipe Hangers, Dyna Bolt, Screws, Tox, and other mounting accessories and materials				-
	4-Core AWG #16 Fire Retardant Cable Other additional parts of cabling installation accessories, and electrical requirements				
	Total Materials Cost			Sub-Total	-
EQUIPMENT COST	Description	No. of Units/s	No. of Hour/s	Hourly Rate	Sub-Total
	Total Equipment Cost			Sub-Total	
LABOR COST	Description	No. of Person/s	No. of Hour/s	Hourly Rate	Sub-Total
	Total Labor Cost			Sub-Total	

DIRECT COST: -
 DIRECT UNIT COST: -

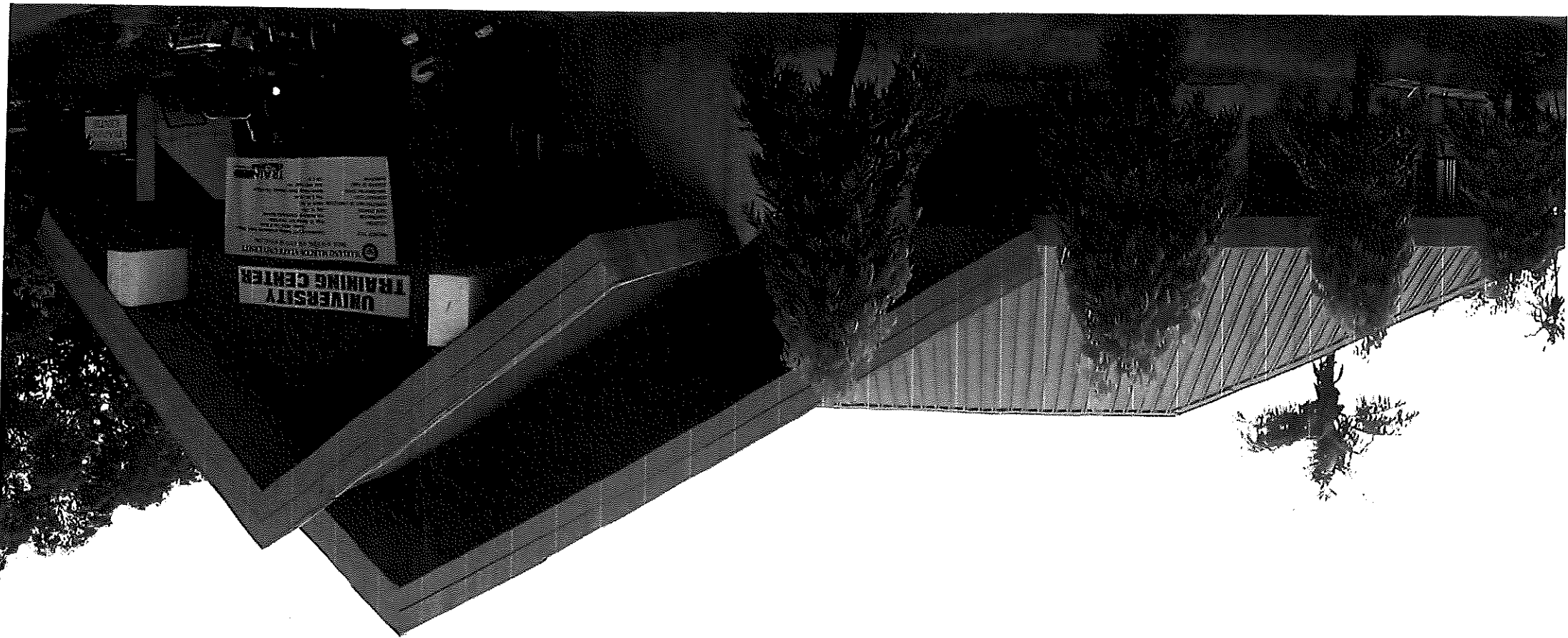
Plus Indirect Cost:
 15% OCM -
 10% CP -
 5% VAT -

Total Direct and Indirect Cost: -

UNIVERSITY PRESIDENT SHIRLEY C. AGRUPIS		DIRECTOR ROMEO B. DULDUALAO		MMSU-UTC, CITY OF BATAC		P.E.C.E. WILSON R. DULDUALAO	
APPROVED BY:		RECOMMENDING APPROVAL:		LOCATION:		DESIGNED BY:	
PERSPECTIVE VIEW		DIRECTOR, BUSINESS LENIE S. BAYANGOS		UNIVERSITY BOARD REVIEW CENTER PERSPECTIVE VIEW		APPRENTICE ARIEL ART B. ADAJAR	
SHEET NO.:		CONFORME:		PROJECT TITLE:		DRAWN BY:	
SHEET CONTENT:		PERSPECTIVE VIEW		UNIVERSITY BOARD REVIEW CENTER PERSPECTIVE VIEW		UNIVERSITY BOARD REVIEW CENTER PERSPECTIVE VIEW	



P E R S P E C T I V E V I E W





GENERAL NOTES:

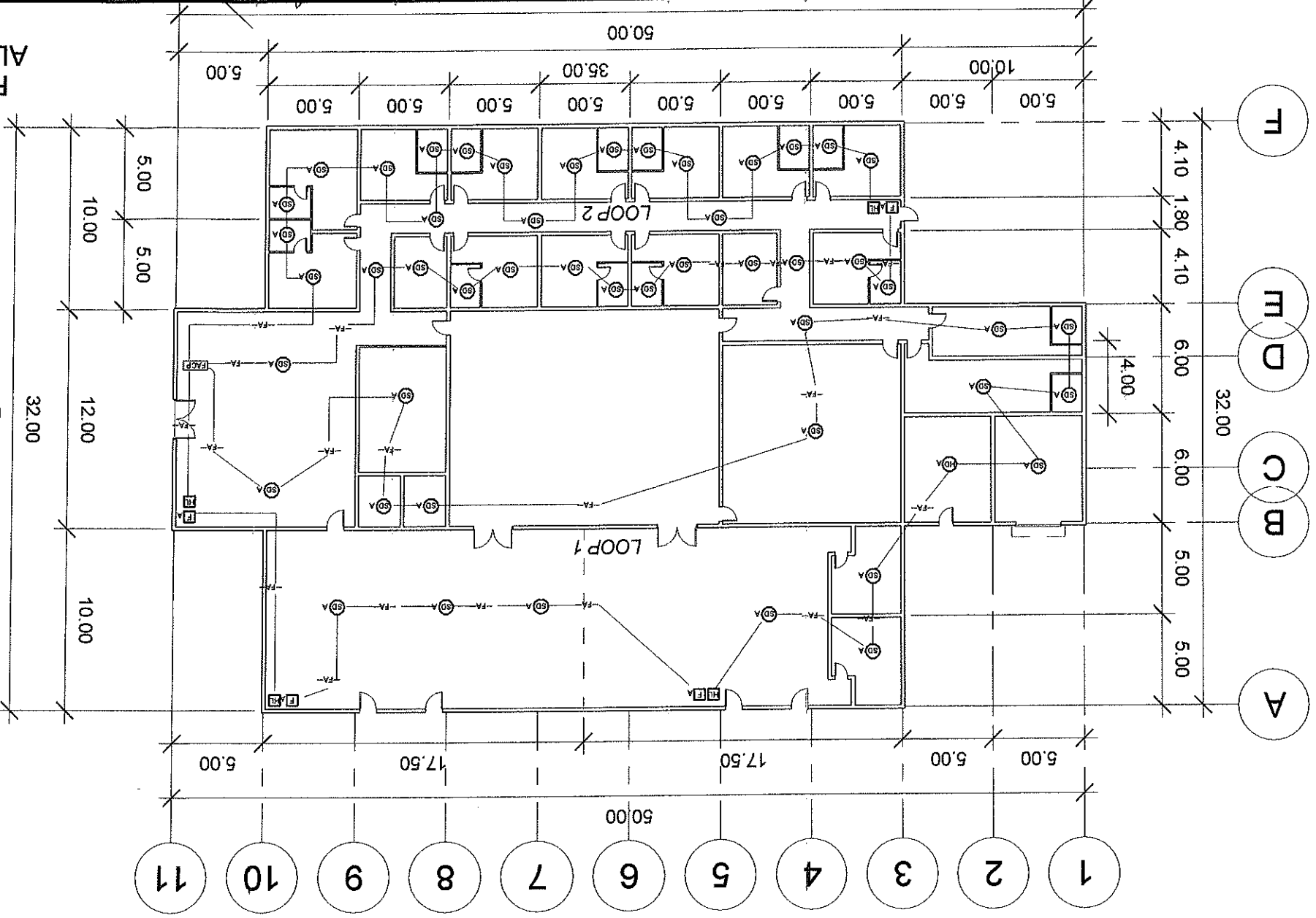
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DRAWN BY: ARIE ART B. ADJAR APPRENTICE		PROJECT TITLE: UNIVERSITY BOARD REVIEW CENTER		DESIGNED BY: WILSON R. DULBUJAO PECE	
SHEET NO.:		CONFORME: LENIE G. BALANGOS DIRECTOR, BUSINESS		LOCATION: MMSU-UTC, CITY OF BATAC	
SHEET CONTENT:		RECOMMENDING APPROVAL: ROMEO R. DULBUJAO DIRECTOR, PECE		APPROVED BY: SHIRLEY G. AGRUPIS UNIVERSITY PRESIDENT	
GENERAL NOTES					

PROJECT TITLE: UNIVERSITY BOARD REVIEW CENTER FIRE DETECTION AND ALARM SYSTEM LAYOUT CONFORME: <i>[Signature]</i> DIRECTOR BUSINESS: LENIE G. BAYANGOS		LOCATION: MMSU-UTC, CITY OF BATAC DESIGNED BY: WILSON R. DULDUALAO P.E.C.E.	
SHEET CONTENT: FIRE DETECTION AND ALARM SYSTEM LAYOUT APPROVED BY: <i>[Signature]</i> UNIVERSITY PRESIDENT: SHIRLEY O. AGRUPIS		DRAWN BY: ARIEL ART B. ADAJAR APPRENTICE	



FIRE DETECTION AND ALARM SYSTEM LAYOUT
 SCALE: 1:300 MTS.



- LEGEND:**
- FI HORN WITH STROBELIGHT
 - FA ADDRESSABLE MANUAL PULL SWITCH
 - SD ADDRESSABLE SMOKE DETECTOR
 - HD ADDRESSABLE HEAT DETECTOR
 - FACP FIRE ALARM CONTROL PANEL
 - FAS FIRE ALARM CABLING (FAS CABLING)



ARIEL ARAY B. ADAJAR
APPRENTICE

DESIGNED BY:
WILSON R. DUBULAO
P.E.C.E.

LOCATION:
MMSU-UTC, CITY OF BATAC

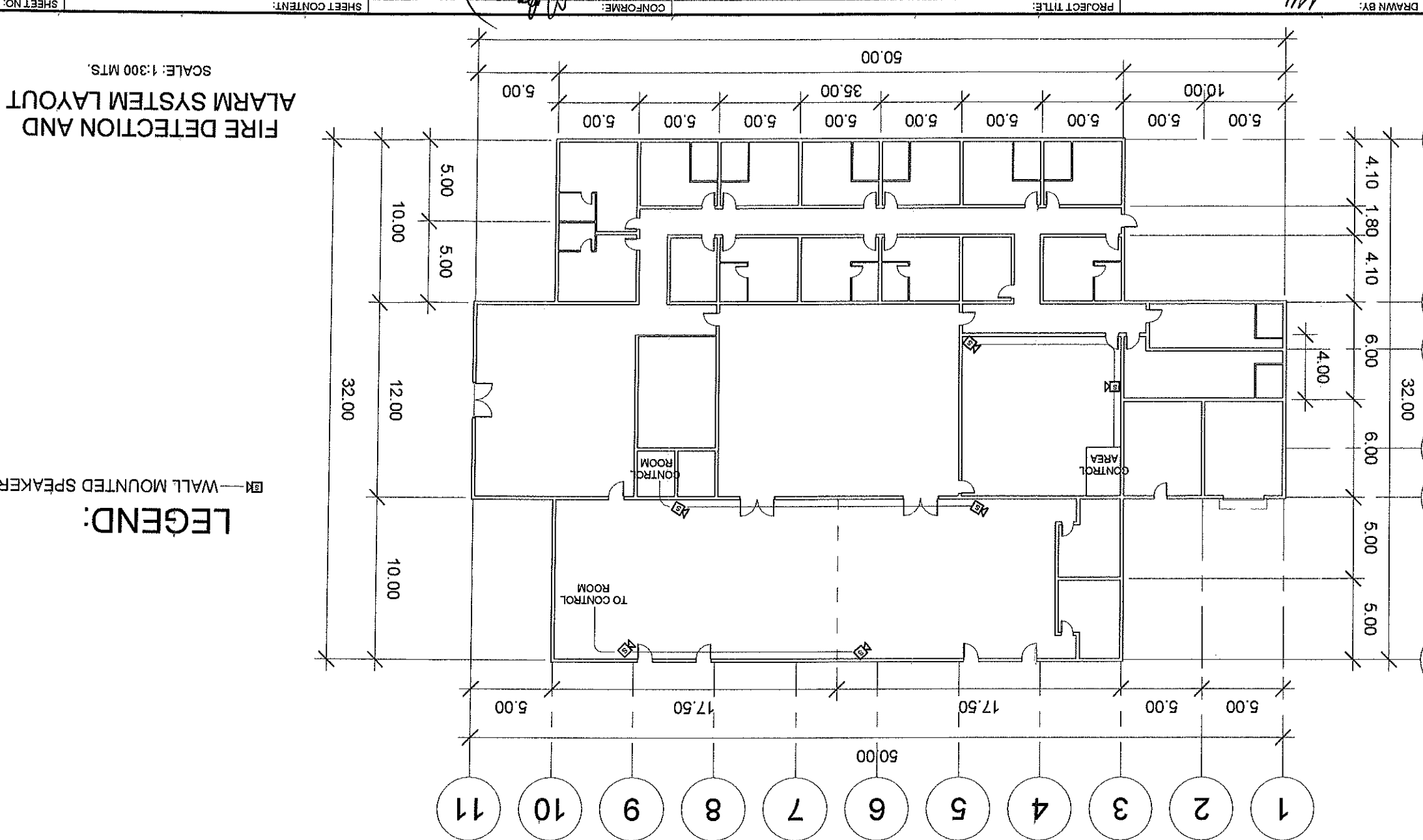
RECOMMENDING APPROVAL:
ROMEO B. BAYANGOS
DIRECTOR, BUSINESS
DEVELOPMENT

APPROVED BY:
SHIMLEY C. AGRUPIS
UNIVERSITY PRESIDENT

PROJECT TITLE:
UNIVERSITY BOARD REVIEW CENTER FIRE
DETECTION AND ALARM SYSTEM LAYOUT

CONFORME:
LENIE G. BAYANGOS
DIRECTOR, BUSINESS

SHEET CONTENT:
FIRE DETECTION AND
ALARM SYSTEM LAYOUT



FIRE DETECTION AND
ALARM SYSTEM LAYOUT
SCALE: 1:300 MTS.

LEGEND:
◻ — WALL MOUNTED SPEAKER



ARIEL ART B. ADAJAR
APPRENTICE

WILSON R. DULDUAO
P.E.C.E.

DESIGNED BY:

LOCATION:

MMSU-UTC, CITY OF BATAC

UNIVERSITY BOARD REVIEW CENTER SMOKE AND
HEAT DETECTOR DETAILS

CONFORME:

LENIE G. BARRANGOS
DIRECTOR, BUSINESS

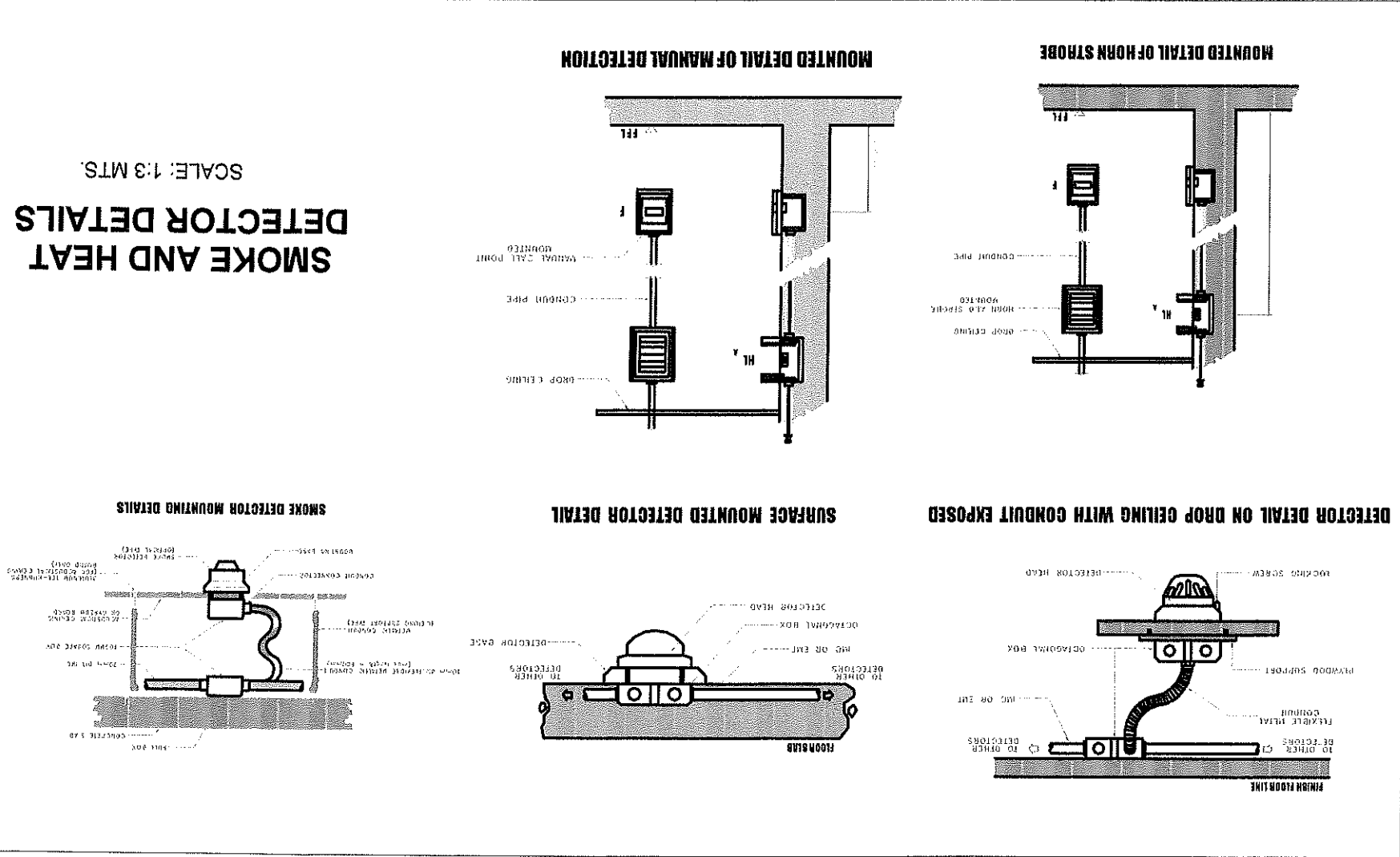
ROMEO R. DULDUAO
DIRECTOR, P.P.D.O.

APPROVED BY:

SMOKE AND HEAT DETECTOR
DETAILS

SPURLOCK C. AGRUPIS
UNIVERSITY PRESIDENT

SHEET NO.:



PROJECT TITLE: UNIVERSITY BOARD REVIEW CENTER FDAS RISER SYSTEM DIAGRAM CONFORME:		LOCATION: MMSU-UTC, CITY OF BATAAC	
SHEET CONTENT: FDAS RISER SYSTEM DIAGRAM SHEET NO.:		DRAWN BY: ARIEL ART. B. ADAJAR APPRENTICE	
APPROVED BY: SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT		DESIGNED BY: WILSON R. BULDUO P.E.C.E.	
RECOMMENDING APPROVAL: LENE G. BAYANGOS DIRECTOR-BUSINESS		PROJECT TITLE: UNIVERSITY BOARD REVIEW CENTER FDAS RISER SYSTEM DIAGRAM CONFORME:	

FDAS RISER SYSTEM DIAGRAM

