



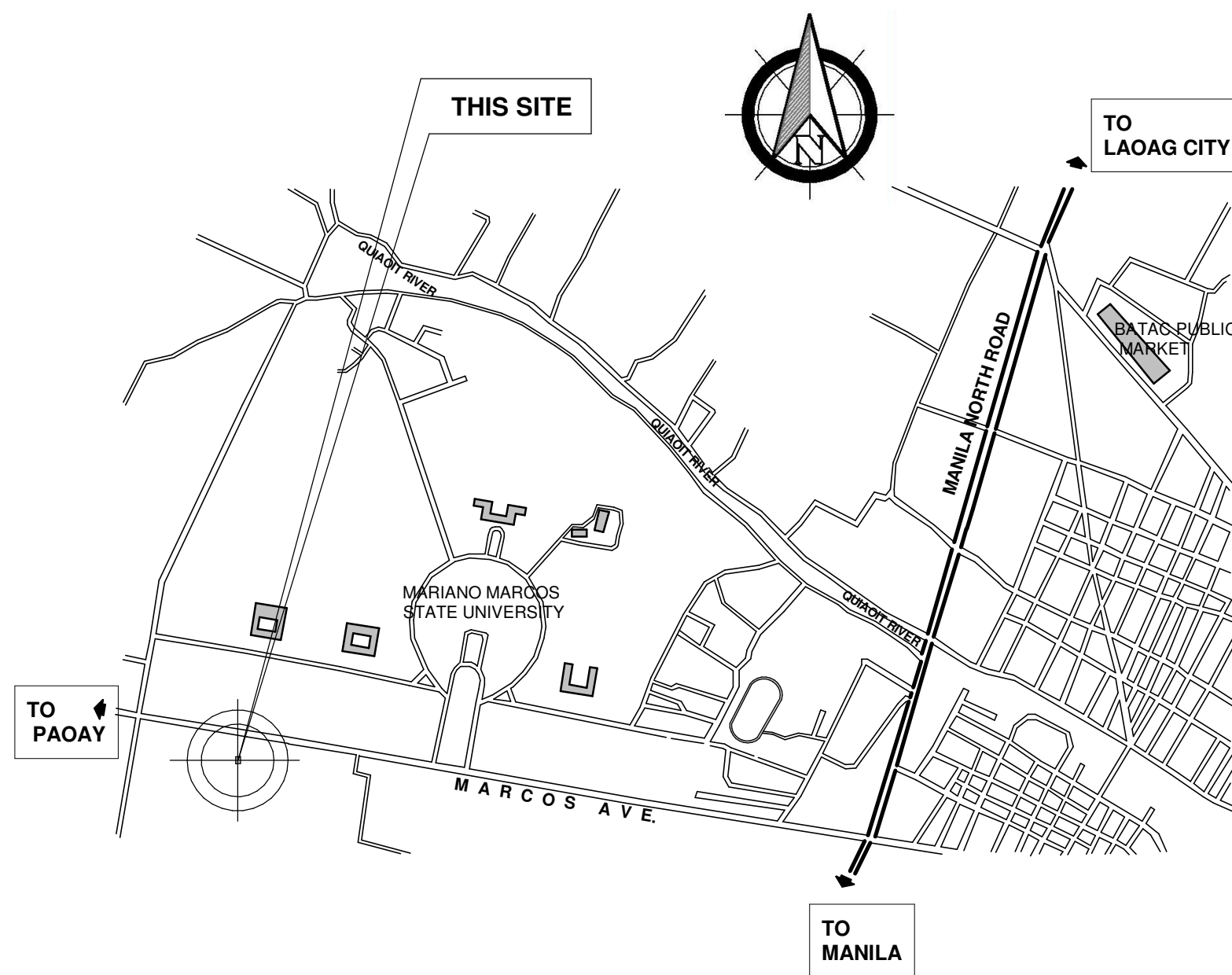
1 PERSPECTIVE VIEW

**For CCTV, VOICE and DATA including CCTV**

1. All Electronics works and installation shall be in accordance with the Philippine Electronics Code, R.A. 9292 and other existing Laws and Local Ordinances.
2. All Electronics works shall be done in a neat and workmenlike manner.
3. All Electronics works shall be under the direct supervision of a duly Licensed Professional Electronics Engineer and/or Electronics Engineer.
4. House Cabling Installations shall be in accordance with the following recommendations:
  - ANSI/TIA/EIA 568A/569B - Commercial Building Telecommunication Cabling.
  - ANSI/TIA/EIA 569 - Commercial Building Standard for Telecommunication Pathways and spaces.
  - ANSI/TIA/EIS-607 - Commercial Building Grounding and Bonding Requirement for Telecommunications.
  - ISO 1180 Ed. 1.2:2000 - Information Technology - Generic Cabling for Customer Premises.
5. All cable or wiring referred to by this specification must be ANSI/TIA/EIA 568A/568B for category 5E, category 6 or category 7 cable.
6. All four pairs of every station cable, both VOICE and DATA shall be terminated (wired for the appropriate Main Crossconnect in the Telecommunications Equipment Room).
7. All materials to be used shall be new and approved type for location.

**For FDAS and BMS**

1. 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.
2. All Electronic works shall be done in neat and workmenlike manner.
3. All Electronic works shall be under the direct supervisor of a duly Licensed Professional Electronics Engineer and/or Electronics Engineer.
4. House Cabling Installations shall be done in accordance with the following recommendations:
  - ANSI/TIA/EIA 569 - Commercial Building standard for Telecommunications Pathways and Spaces.
  - ANSI/TIA/EIA 607 - Commercial Building Groundings and Bonding Requirements for Telecommunications.
5. All materials to be used shall be new and approved type for location.
6. 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.
7. Prior to submission of Proposal, Bidders, shall visit and carefully examine the site to become familiar with the existing conditions and the 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.
8. Before commencing work. The Contractor shall file all required permits, test reports/results, certifications for TCO and CO and pay all required fees.
9. 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.
10. All notations of "SCALE" are intended as approximations. The contractor shall be responsible to ascertain as the exact dimensions in the actual field.
11. 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.
12. All conduits 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.
13. Additional components 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.
14. 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.
15. Electrical outlet or dedicated power source or electronic equipment and active components shall be provided including inside the terminal and distribution cabinets.
16. 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.
17. 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.
18. No low voltage wiring shall be permitted in the same raceway as power wiring.
19. All equipment shall have copper current carrying parts including ground bus and terminals.
20. Remove all debris resulting from removal and/or installation of electronics and electrical work from the premises.
21. Unless otherwise noted, "INSTALL" means to be PROVIDED, INSTALLED, CALIBRATED and COMMISSIONED BY THE CONTRACTOR.
22. 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.



2 LOCATION MAP

- ADDRESSABLE SMOKE DETECTOR
- ADDRESSABLE HEAT DETECTOR
- ADDRESSABLE HORN STROBE WITH LIGHT
- ADDRESSABLE MANUAL PULL
- FIRE ALARM CONTROL PANEL
- FDAS CABLING
- WALL MOUNT CCTV
- CEILING MOUNT CCTV
- NETWORK VIDEO RECORDER
- DATA OUTLET
- WIFI
- MAIN TERMINAL CABINET
- TERMINAL CABINET
- CONDUIT HOME RUN

3 LEGEND/SYMBOLS

4 GENERAL NOTES

	<b>FROM THE OFFICE:</b> <b>PHYSICAL PLANNING AND DEVELOPMENT OFFICE</b> 2/F 202 ADMINISTRATION BLDG. MARIANO MARCOS STATE UNIVERSITY CITY OF BATAC, 2906 ILOCOS NORTE TELEFAX: +63 (77)792-3191	<b>DRAWN BY:</b> <b>BJAY A. DAYANG</b> DRAFTSMAN I <b>PREPARED BY:</b>	<b>SIGNED &amp; SEALED BY:</b> <b>WILSON R. DULDULAO</b> PROFESSIONAL ELECTRONICS ENGINEER PRC NO.: 0000461 PTR.: 0145949 VALIDITY: 08-11-2022 PLACE ISSUED: BATAC CITY IECBP MEM. NO.: 08-07808 DATE: 01-03-2022 VALIDITY: 08-11-2022 TIN: 122-592-128	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF RDE BUILDING PHASE III</b> <b>LOCATION: MMSU CRL-CITY OF BATAC, ILOCOS NORTE</b>	<b>CONFORME:</b> <b>BJORN S. SANTOS</b> DIRECTOR, RESEARCH <b>RECOMMENDING APPROVAL:</b> <b>ROMEO R. DULDULAO</b> DIRECTOR, PPDC	<b>APPROVED BY:</b> <b>SHIRLEY C. AGRUPIS</b> UNIVERSITY PRESIDENT	<b>SHEET CONTENTS:</b> PERSPECTIVE VIEW LOCATION MAP LEGEND/SYMBOLS GENERAL NOTES <small>Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of and for other project or building, whether executed party or in whole, without the written consent of architect or author of said document. Art. IV-Sec. 338A(2)(6)</small>	<b>SHEET NO:</b> EL-1 19
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