BIODIVERSITY MANAGEMENT BUREAU
Quezon Avenue, Diliman, Quezon City
Telefax No. 924-6031 local 221/Cell No.0953-760-1979

Date: 17-Jul-25
Quotation No: 0311-07-25
PR No. 0725.052

REQUEST FOR PROPOSAL

_____
Company Name

_____
Address

Please quote your lowest price on the item/s listed below, stating the shortest time of delivery and submit your quotation duly signed by your representative not later than _____.

ANSON M. TAGTAG
Chairperson, Bids and Awards Committee

NOTES:
1. ALL ENTRIES MUST BE TYPEWRITTEN OR PRINTED LEGIBLY.
2. DELIVERY PERIOD IS WITHIN **15** CALENDAR DAYS.
3. WARRANTY SHALL BE FOR A PERIOD OF **SIX (6) MONTHS** FOR SUPPLIES & MATERIALS/**ONE (1) YEAR** FOR EQUIPMENT, FROM DATE OF ACCEPTANCE BY THE PROCURING ENTITY.
4. PRICE VALIDITY SHALL BE VALID FOR A PERIOD OF **30** CALENDAR DAYS.
5. PHIL-GEPS REGISTRATION CERTIFICATE SHALL BE ATTACHED UPON SUBMISSION OF THE QUOTATION.
6. BIDDERS SHALL SUBMIT ORIGINAL BROCHURES SHOWING CERTIFICATIONS OF THE PRODUCT BEING OFFERED.

Title of Procurement:
Detailed Engineering Design for three (3) DENR Marine Scientific Research Stations (MSRS) in Aparri (Cagayan), Casiguran (Aurora) and Alabel (Sarangani)

Purpose:
For official use of DENR BMB-MSRS

Approved Budget for the Contract (ABC):
₱1,200,000.00

ITEM NO.	ITEMS/DESCRIPTIONS	QTY./ UNIT	UNIT PRICE	TOTAL PRICE
1	**Detailed Engineering Design for three (3) DENR Marine Scientific Research Stations (MSRS) in Aparri (Cagayan), Casiguran (Aurora) and Alabel (Sarangani)** ***Please see attached Terms of Reference (TOR and ARCHITECTURAL DESIGN)*** Additional Requests from Procuring Entity: **[X] Please provide sample upon request of end-user** **[X] Please see full specifications/attached sample design for reference.** **[X] Other conditions to this request, please state:** **For more info, please contact the end-user at 0953-760-1979 / 8924-6031 loc. 201** **Kindly address all proposals to the Chairperson, Bids and Awards Committee** Contract shall be awarded to the bidder per: [ ] Item basis **[X] Lot basis** _____ **Bidders must submit the following requirements upon submission of proposal. Non-submission of these requirements shall be grounds for disqualification from the bidding process:** **1. DTI/SEC Registration Certificate** **2. Valid and Current Mayor's Permit** **3. PHILGEPS Certificate of Registration** **4. BIR Certificate of Registration** **5. Sign Omnibus Sworn Statement** **6. Income Tax Return (ITR)** **Important Note:** -For goods, conforme of the winning bidder must be done within seven (7) calendar days upon serving of the PO. -For services,conforme of the winning bidder must be done within fourteen (14) calendar days upon serving of the JO. -Notarization of the OSS should be complied with after the award of the contract but before payment pursuant to Item 6.3 of GPPB 09-2020	1 lot	P_____	P_____

Brand : _____
Delivery Period : _____
Warranty : _____
Price Validity : _____

After having carefully read and accepted your Request for Quotation, I/We quote you on the item at prices noted above.

_____ Printed Name/Signature
_____ Tel. No./Cellphone No.
_____ Email Address
_____ Date

TERMS OF REFERENCE

A FIRM TO DEVELOP THE DETAILED ENGINEERING DESIGN FOR THREE (3) DENR MARINE SCIENTIFIC RESEARCH STATIONS IN APARRI (CAGAYAN), CASIGURAN (AURORA), AND ALABEL (SARANGANI)

I. BACKGROUND AND INTRODUCTION

The Department of Environment and Natural Resources (DENR) Marine Scientific Research Station (MSRS) aims to support a wide range of scientific research activities and monitor the coastal and marine environment, providing facilities that enable evidence-based conservation and policy development. Its modular, standardized architectural designs developed by Jorge Yulo Architects and Associates (JYAA) allows for flexible construction and future expansion while considering site-specific factors such as lot size and climate.

The DENR intends to engage the technical and professional expertise of a local design-build firm to undertake the detailed engineering design of essential mechanical, electrical (data conduit), fire protection, and plumbing/sanitary, and structural engineering design for the DENR MSRS.

II. OBJECTIVE

To develop the respective Bill of Quantities, Detailed Cost Estimates and Detailed Engineering Design, including Structural, Mechanical, Electrical, Fire Protection and Plumbing/Sanitary Design/Plan for the DENR Marine Scientific Research Stations in Aparri (Cagayan), Casiguran (Aurora), Alabel (Sarangani), based on the approved Architectural Designs and perspectives provided to the DENR by Jorge Yulo Architects & Associates (JYAA).

III. SCOPE OF WORK

This engagement shall cover the development of the Bill of Quantities, Detailed Cost Estimates, and Detailed Engineering Designs, namely the Mechanical, Electrical, Fire Protection, Plumbing/Sanitary And Structural Engineering Design based on the Architectural Design Specific for each of the DENR MSR Stations in the following areas:

A. DENR MSR Station sites with Architectural Designs from DENR-JYAA:

1. **Aparri, Cagayan;**

2. **Casiguran, Aurora;**
3. **Alabel, Sarangani Province;**

B. Technical Specifications of services required. The DENR BMB requires the services of a Firm for the following:

1. **Design Services for each of the DENR MSR Station sites in Item III. A. above.**
   a) Structural Design Services
   b) Mechanical Design Services, including Heating, Ventilation and Air Conditioning
   c) Electrical Design Services
   d) Fire Protection Design Services
   e) Plumbing / Sanitary Design Services
   f) Electronic (Auxiliary) Design Services
   g) Technical Specifications
   h) Bill of Quantities (Detailed Cost Estimate)

C. Obligations of the Winning Bidder/Contractor

1. Render engineering design services necessary for the implementation of the Project. The engineering design services shall include, but shall not be limited to, design for structural, electrical, mechanical, sanitary/plumbing, fire protection and electronics. All plans/drawings shall be generated using licensed AutoCAD or Revit software and printed on a 20inch x 30inch High-quality Blueprints; and,

2. Undertake Detailed Engineering Designs (DEDs) and provide detailed cost estimates, bill of quantities, using the given data such as Architectural Designs/Plans provided by the End-User.

D. Obligations of the BMB

1. Provide full information available on all requirements for the Project including Architectural Design/Plan;

   An Architectural Design/Plan will be provided by the End-User in collaboration with Jorge Yulo Architects & Associates. However, this design shall serve as reference only. The winning bidder is responsible for the accuracy and applicability of all data, and coordination and collaboration with the Architectural Team from JYAA, through the End-User. The Architectural Design/Plan is hereto attached as Annex "A" respectively;

2. Approve the Winning Bidder or Contractor's designs without diminishing their full and sole responsibility for the quality and integrity thereof;

3. Give prompt written notice thereof to Winning Bidder or Contractor, if it observes or becomes aware of any defect in the design services provided;

4. Designate, when necessary, representatives authorized to act on its behalf. It shall examine documents submitted by the Winning Bidder or Contractor and render decisions pertaining thereto promptly, to avoid unreasonable delay in the progress of their work. It shall observe the procedure of issuing orders to the Winning Bidder or Contractor;

5. Compensate the accomplishment accepted in the conformance with the submitted approved deliverables under the Design Contract.

IV. DELIVERABLES

Physical outputs, submissions, and other services for each of the DENR MSR Station sites in Item III. A. above:

A. Work Schedule for the engagement of consultancy services.

B. **Three (3) sets of signed and sealed plans of the above-mentioned design services for each MSR Station printed in 20"x30" size blueprints**, and **one (1) set consisting of plans printed in 20"x30" in normal paper** for each MSR Station:
   1. Aparri, Cagayan
   2. Casiguran, Aurora
   3. Alabel, Sarangani

   A total of nine (9) sets of signed and sealed plans in blueprint and three (3) sets of plans on normal paper.

C. Three (3) sets of signed and sealed Scope of Works and Technical Specifications of the above-mentioned design services of each MSR Station Sites printed in A4 size sheets.

   A total of nine (9) sets of signed and sealed Scope of Works and Technical Specifications for all MSR Stations.

D. Three (3) sets of signed and sealed Bill of Quantities and Detailed Cost Estimates for each design plan of the above-mentioned MSR Stations Sites printed in A4 size sheets.

   A Total of Nine (9) sets of signed and sealed Bill of Quantities and Detailed Cost Estimates;

E. Three (3) sets of signed and sealed Structural Design Analysis of each Structural plans of the above-mentioned MSR Station Sites printed in A4 size sheets; Total of Nine (9) sets of Structural Design Analysis;

F. Three (3) sets of Gantt Chart/S-Curve or PERT/CPM of each design plans of the above-mentioned MSR Station Sites printed on any size sheet; Total of Nine (9) sets of Gantt Chart/S-Curve or PERT/CPM; and,

G. Electronic PDF copy of the design plans, Scope of Works and Technical Specifications, Bill of Quantities and Detailed Cost Estimates, Structural Design Analysis, and Gantt Chart/S-Curve or PERT/CPM of each above-mentioned MSR Station Sites.

All deliverables shall be submitted for review, approval, and acceptance of the end-user.

V. TIMELINE

The Firm's contract period for undertaking the detailed engineering designs shall not be more than fifteen (15) days, and the Design Firm shall commence work upon receipt of Notice to Proceed.

VI. Other Requirements to be Submitted by Prospective Bidders for Bidding Purposes Shall Include the Following as Required by the End-User

A. Organizational Chart for the development of Detailed Engineering Design;

B. Company profile and on-going/completed design projects, and details of at least three (3) technically relevant projects with certificates of acceptance;

C. The key professionals and the respective qualification of the design personnel shall be as follows:

1. **Structural Engineer.** The Structural Engineer must be a duly-licensed Civil Engineer with at least three (3) years'

experiences in structural design and shall preferably be knowledgeable in the application of rapid construction technologies.

2. **Professional Electrical Engineer.** The Electrical Engineer must be a registered Professional Electrical Engineer with at least three (3) years' experiences in the design of lighting, power distribution system and preferably knowledgeable in developments in emergent efficient lighting technologies and energy management.

3. **Professional Mechanical Engineer.** The Mechanical Engineer must be a Professional Mechanical Engineer with at least three (3) years' experiences in machineries with regards to fixtures, roughing-ins and Heating, Ventilation and Air Conditioning, and preferably knowledgeable in emergent, alternative energy-efficient technology.

4. **Sanitary Engineer.** The Sanitary Engineer must be a duly-licensed Sanitary Engineer with at least three (3) years' experiences in the design of water supply and distribution, plumbing, and preferably knowledgeable in waste water management/treatment.

The key professionals listed above are required. ***The DESIGN CONTRACTOR*** *may, as needed and its own expense, add additional professionals and/or support personnel for the optimal performance of all Engineering Design Services, as stipulated in these Terms of Reference, for the PROJECT. Prospective bidders shall attach the resume and photocopy of PRC license with signatures of the above listed required key professionals.*

VII. ELIGIBILITY

The Firm must have:

A. At least three (3) years of extensive experience in design and construction with similar projects.

B. A proven track record of completing projects within the agreed timeline and budget.

C. A commitment to safety, sustainability, and ethical construction practices.

D. Adequate resources and financial contracting capacity, including personnel and equipment, to handle a project of this scale.

E. Registered with the Philippine Government Electronic Procurement System (PhilGEPS - Platinum).

VIII. TERMS OF PAYMENT

The total contract for the services shall amount to PHP 1,200,000.00 (*inclusive of 15% withholding tax expanded + 5% Final VAT)* and shall follow the payment schedule below:

PAYMENT TRANCHES	AMOUNT (PHP)	PARTICULARS
30%	**360,000.00**	Upon signing of contract, submission of the work schedule and approval by the DENR BMB.
70%	**840,000.00**	Upon submission of Deliverables (Section IV. above), and acceptance by DENR BMB in coordination with JYAA.
100%	**1,200,000.00**	**TOTAL**

The documents for submission are:

1. Company/firm profile detailing experience and previously completed projects similar to the scope of work, detailed task, and deliverables of this project;
2. List of all previous and on-going engagement/projects of the firm indicating the accomplishment status;
3. Curriculum vitae of all members which includes the following:
    a. Educational background
    b. Relevant work experiences to the role/assignment in the team
4. Sample of the completed works of the firm related to the ecosystem valuation and each of the team member in electronic copy (or URL if published)
5. PhilGEPS Platinum Registration
6. BIR Certificate of Registration
7. Omnibus Sworn Statement
8. Income Tax Return

Incomplete/non-submission of these requirements shall be grounds for disqualification from the procurement process

Please send application not later than _____ to:

THE CHAIRPERSON
Bids and Awards Committee
Biodiversity Management Bureau
Ninoy Aquino Parks and Wildlife Center
Quezon Ave., Diliman, Quezon City
(02) 8-924-6031 loc. 221
Email: bacsec@bmb.gov.ph

Approved by:

ATTY. ERNESTO D. ADOBO JR., *CESO I*
Undersecretary for Legal and Administration
and Supervising Undersecretary of the BMB

Department of Environment and Natural Resources

(ANNEX A)

ARCHITECTURAL DESIGNS

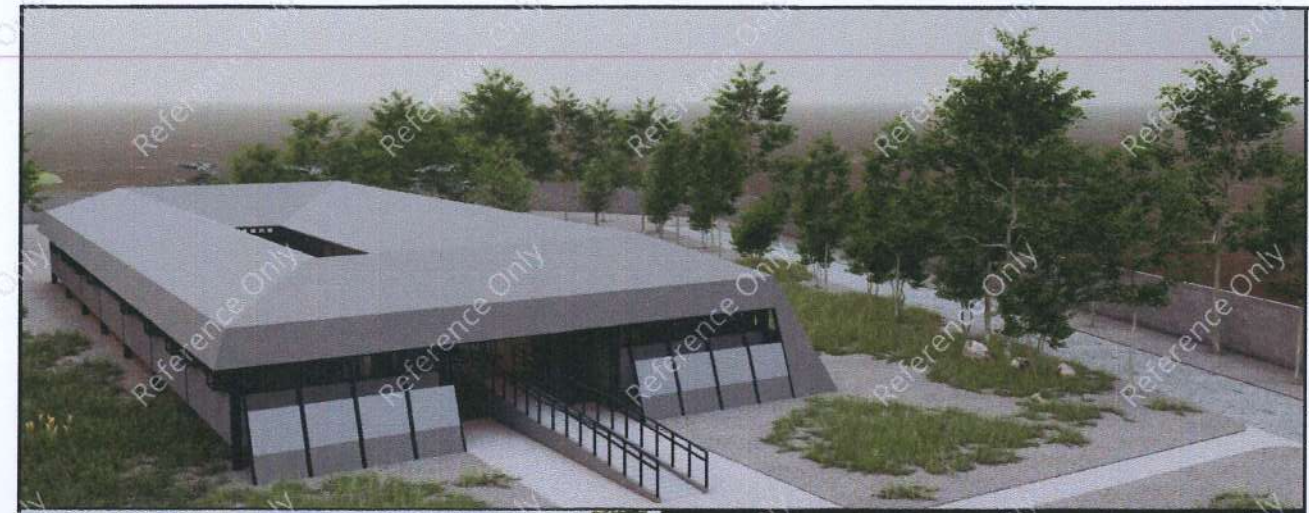
MARINE SCIENTIFIC RESEARCH STATIONS

Department of Environment and Natural Resources

ARCHITECTURAL DESIGN

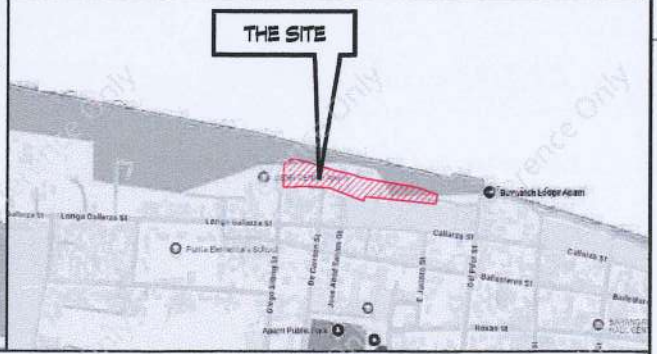
APARRI, CAGAYAN

MARINE SCIENTIFIC RESEARCH STATION



1 CS-1 PERSPECTIVES
SCALE: N.T.S.

2 CS-1 VICINITY MAP
SCALE: N.T.S.



3 CS-1 LOCATION MAP
SCALE: N.T.S.

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A-3 ROOF PLAN
A-4 ELEVATIONS
A-5 SECTIONS
A-6 REFLECTED CEILING PLAN
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A-7a DOORS AND WINDOWS SCHEDULE
A-7b WINDOWS SCHEDULE, WIND DEFLECTOR, WINDOW SHUTTER DETAILS
A-8 RAMP AND STAIR DETAILS
A-9 GUARD HOUSE, PUMP ROOM, GENSET ROOM DETAILS

ELECTRICAL

STRUCTURAL

MECHANICAL

SANITARY

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL

LAND USE/ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

JORGE YULO ARCHITECTS & ASSOCIATES
3F Automotive Center, 2258 Don Chino Roces Avenue Extension, Makati City, Philippines 1202
Telephone Nos. (632) 8492674 8492564
Fax No. (632) 8492574
E-Mail Address: jyaby_sec@jorgeyulo.com
URL Address: http://www.jorgeyulo.com

PTR NO.:	REG.NO.
10475571	12396
ISSUED ON: JAN. 08, 2025	TIN NO: 102-325-935

ISSUED AT: MAKATI CITY

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
PERSPECTIVES VICINITY MAP LOCATION MAP

DATE: MARCH 2025

DRAWN BY:	CHECKED BY:
ETL	PFAB

GRAPHIC SCALE:
1:20 METERS 0.20 0.80 1.20 1.60
1:50 METERS 0 0.50 1.00 2.00
1:100 METERS 0 0.50 1.00 2.00 4.00

SHEET NO.: CS-1

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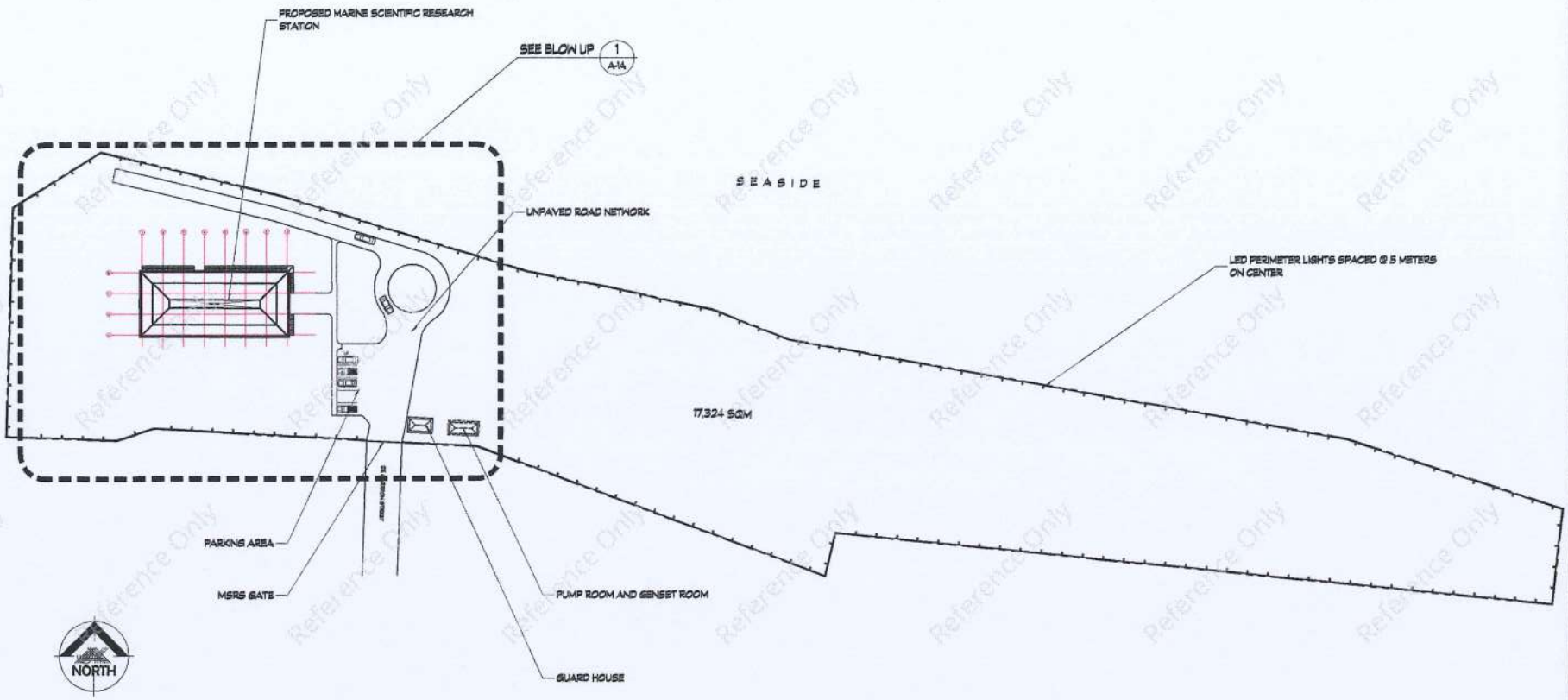
Reference Only



1 A-1 CAGAYAN MSRS SITE DEVELOPMENT PLAN
SCALE: 1:600 M.

JORGE YULO ARCHITECTS & ASSOCIATES
3rd Floor Autowerks Center Bldg. 2207 Don Chino Roces Ave. Ext'n. Makati City, Philippines 1231
Telephone Nos. (632) 8492934 8492974
Fax No. (632) 8492974
Email Address: jyarchitects@jorgeyulo.com jrdbu_exc@jorgeyulo.com
URL Address: http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:25 METERS 0 0.50 1.00 1.50
1:50 METERS 0 0.50 1.00 2.00
1:100 METERS 0 0.50 1.00 2.00 4.00

SHEET NO.:
A-1

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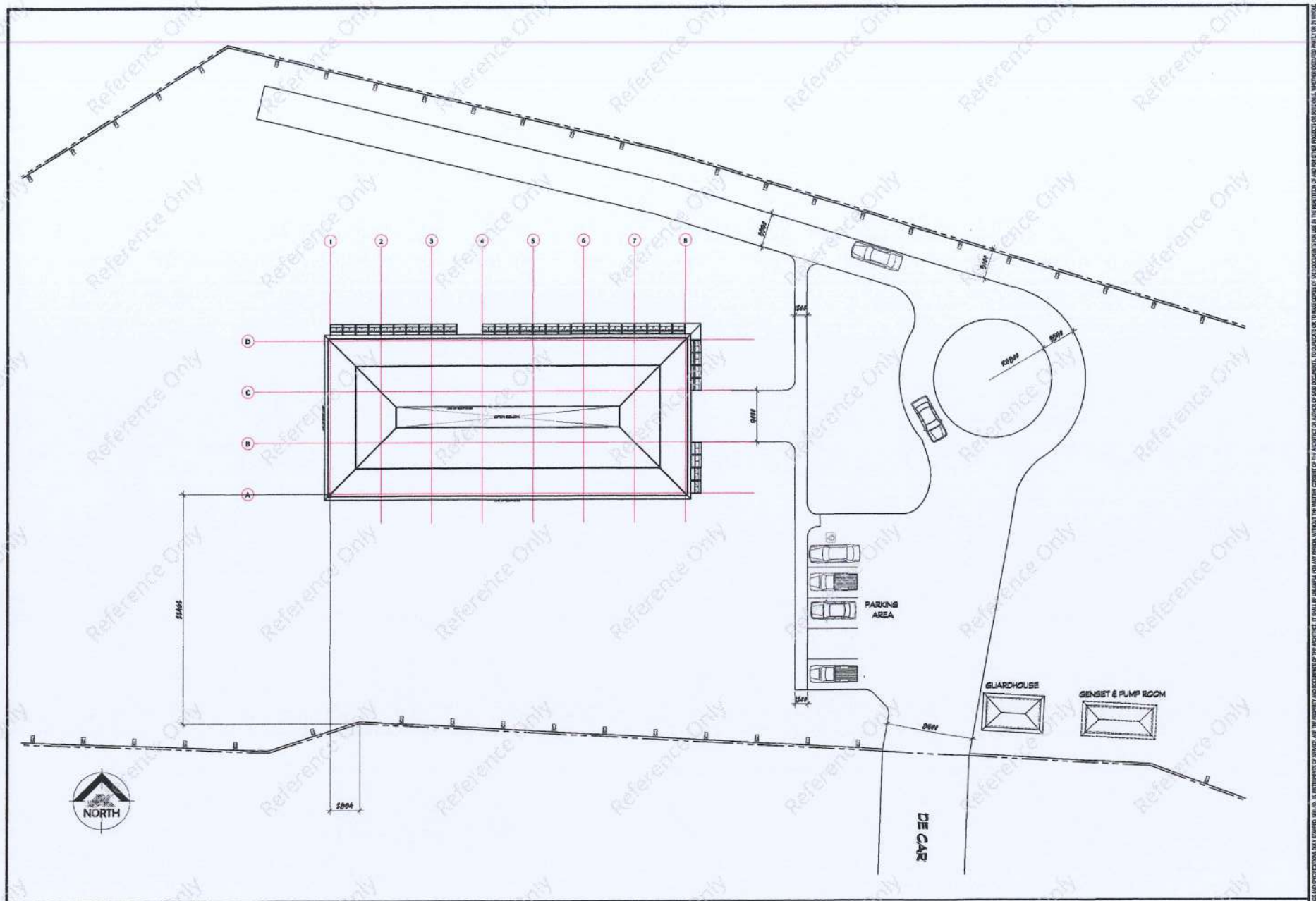

1 / A-1A CAGAYAN MSRS SITE DEVELOPMENT PLAN

SCALE: 1:200 M.

JORGE YULO ARCHITECTS & ASSOCIATES

3rd Floor Antonetics Center Bldg. 2257 Don Chino Roces Ave. Extn. Makati City, Philippines 1231
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Email Address:
jyarchitects@jorgeyulo.com
jyda_ms@jorgeyulo.com
URL Address:
http://www.jorgeyulo.com

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PROJECT TITLE:
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LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

DATE:
MARCH 2025

DRAWN BY:	CHECKED BY:
ETL	FRAB

GRAPHIC SCALE:
1:20 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-1A

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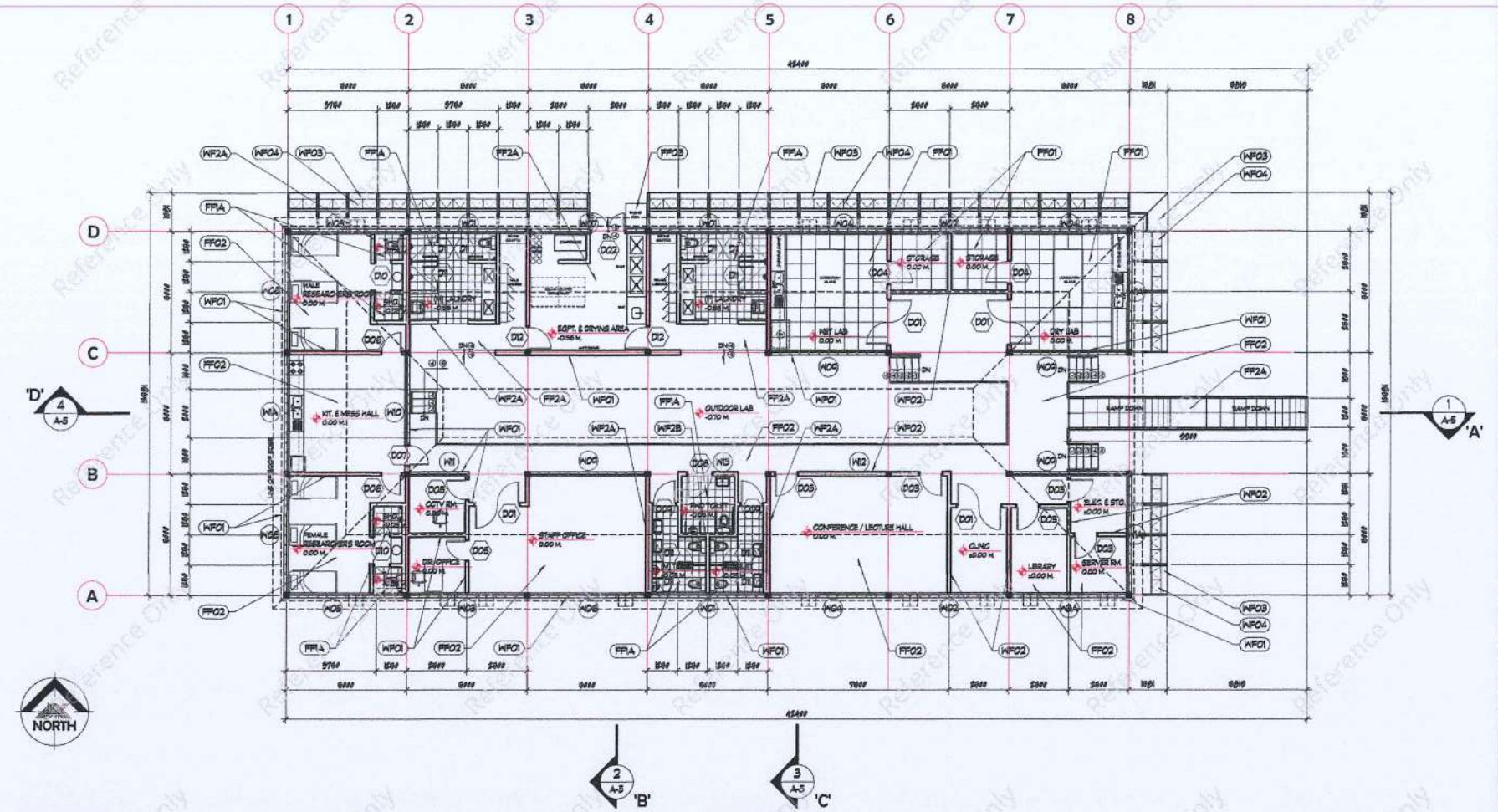

WALL FINISHES:

- WF-01 150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
- WF-1A 150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
- WF-1B 150 MM THK CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE).
- WF-02 100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
- WF-2A 100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
- WF-2B 100 MM THK CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE).
- WF-03 50 MM THK PRECAST CONCRETE WITH 2 COATS OF CONCRETE SEALER ; POLYURETHANE PAINT FINISH
- WF-04 ALUMINUM COMPOSITE PANEL ON METAL FRAME

FLOOR FINISHES:

- FF-01 600 MM X 600 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
- FF-1A 300 MM X 300 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
- FF-02 SANDED TO SMOOTH PLAIN CEMENT FINISH WITH CONCRETE SEALER & 3 COATS OF POLYURETHANE PAINT
- FF-2A PLAIN CEMENT CONCRETE FINISH
- FF-03 50MM THK RIVER STONE GRAVEL BED

1 / A-2 **PROPOSED CAGAYAN MSRS FLOOR PLAN**

SCALE: 1:100 M.

JORGE YULO ARCHITECTS & ASSOCIATES

3rd Floor Automotive Center Bldg. 2207 Don Chino Roces Ave. Ext., Makati City, Philippines 1231
Telephone Nos. (632) 8462034 8462074
Fax No. (632) 5402074

Email Address:
jyarchitects@jorgeyulo.com
jrdz_ara@jorgeyulo.com
URL Address:
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PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION :
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
PROPOSED CAGAYAN MSRS FLOOR PLAN

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAB

GRAPHIC SCALE:
1:20 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-2

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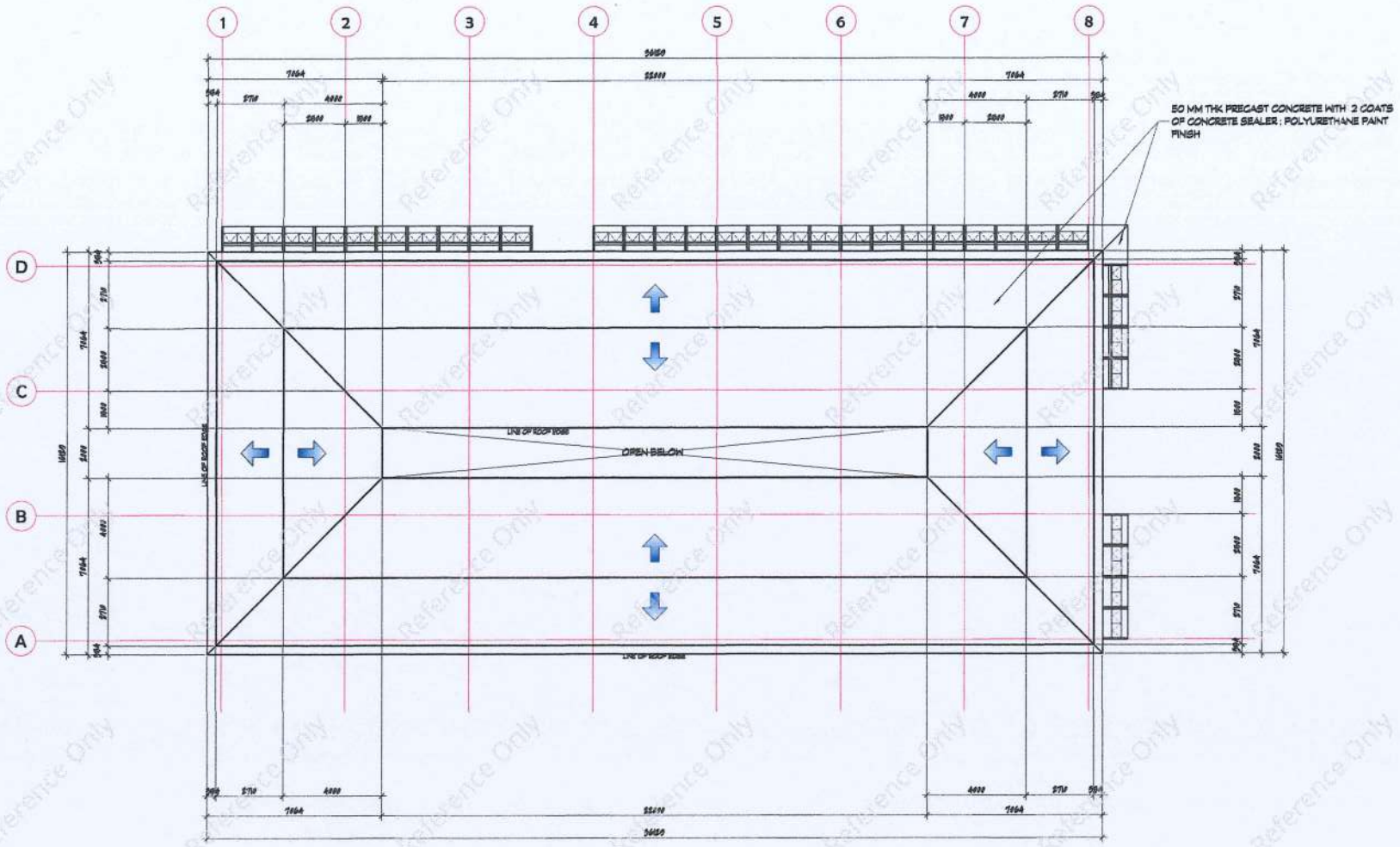

1 / A-3 CAGAYAN MSRS ROOF PLAN
SCALE: 1:100 M.

JORGE YULO ARCHITECTS & ASSOCIATES
3rd Floor Automatics Center Bldg. 2251 Don Chino Roces Ave. Ext. Makati City, Philippines 1231
Telephone No. (632) 8492534 8492074
Fax No. (632) 8492074
Email Address: jyarchitects@jorgeyulo.com pnbc_msrs@jorgeyulo.com
URL Address: http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

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ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
ROOF PLAN

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FRA3

GRAPHIC SCALE:
1:25 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-3

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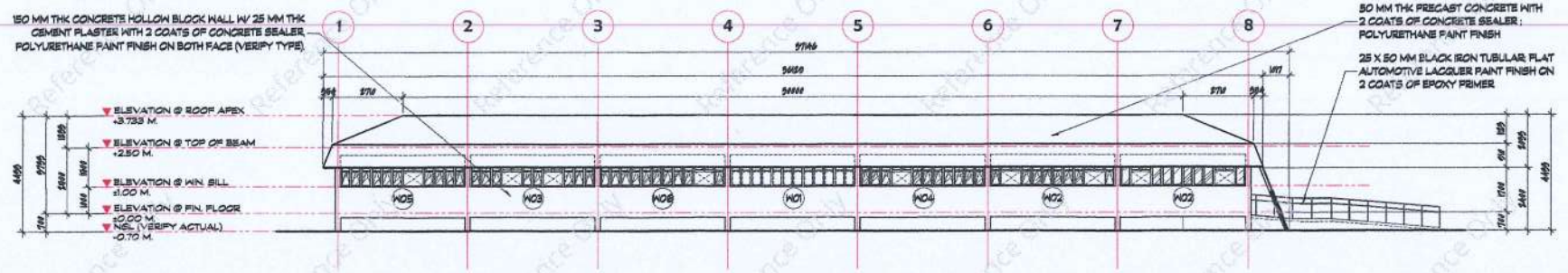
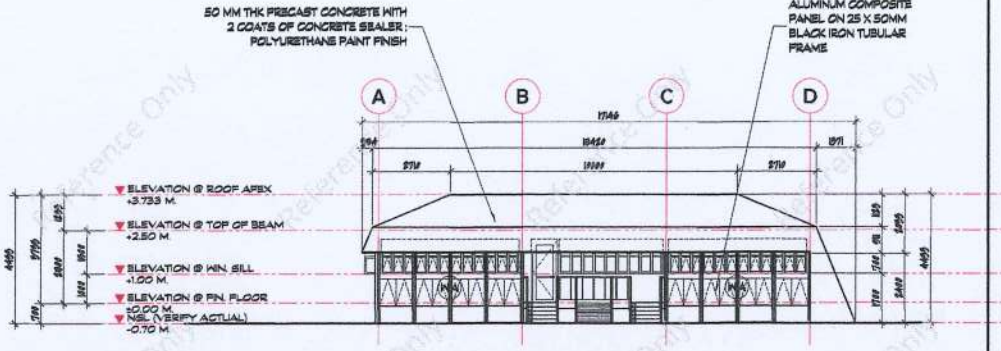
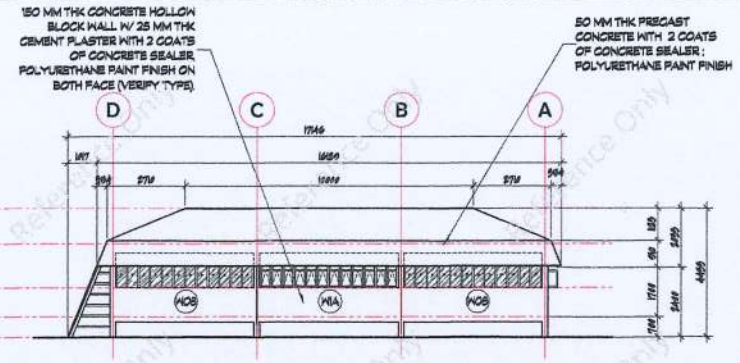


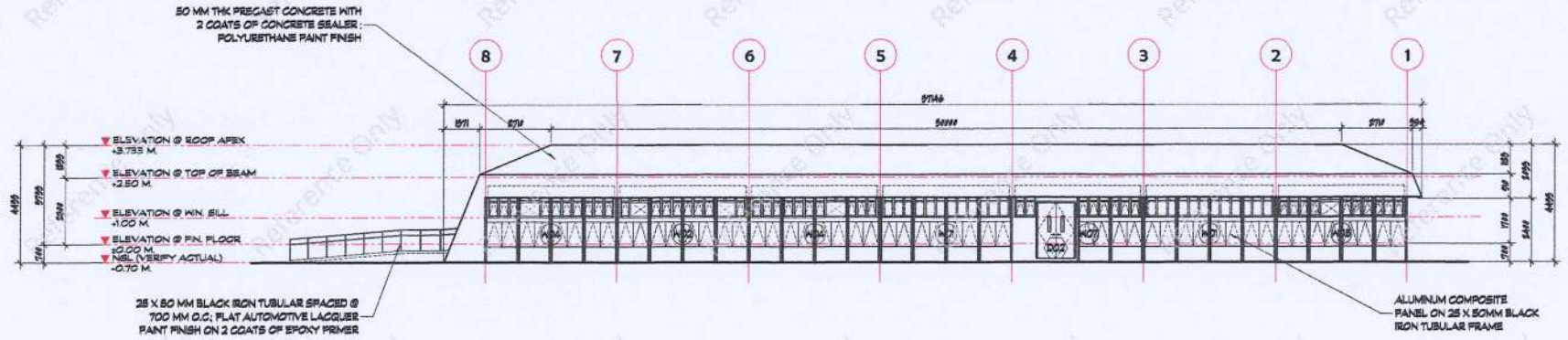
1 A-4 NORTH ELEVATION
SCALE: 1:100 M.



2 A-4 WEST ELEVATION
SCALE: 1:100 M.



3 A-4 EAST ELEVATION
SCALE: 1:100 M.



4 A-4 SOUTH ELEVATION
SCALE: 1:100 M.

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3rd Floor Automalls Center Bldg. 2257 Don Chino Roces Ave. Ext., Makati City, Philippines 1231
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Email Address: jyarchitects@jorgeyulo.com jrdy_info@jorgeyulo.com
URL Address: http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
ELEVATIONS

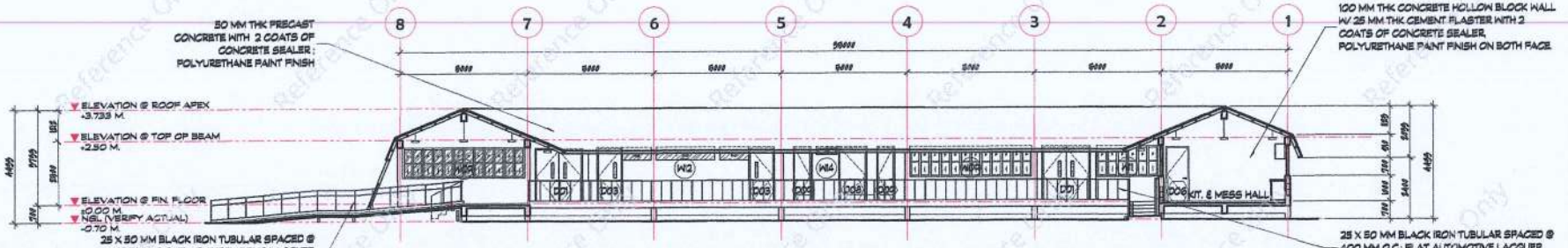
DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFA3

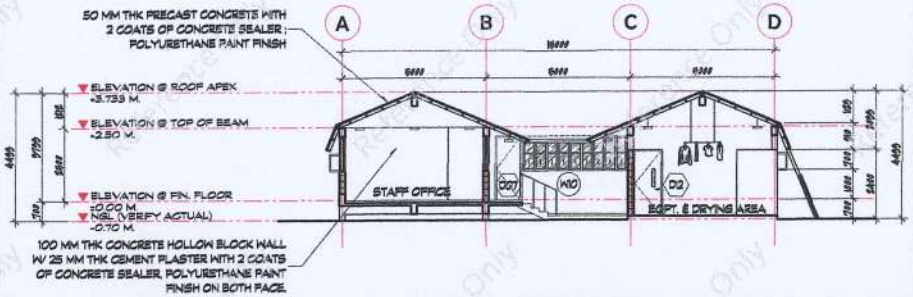
GRAPHIC SCALE:
1:50 METERS
1:100 METERS

SHEET NO.:
A-4

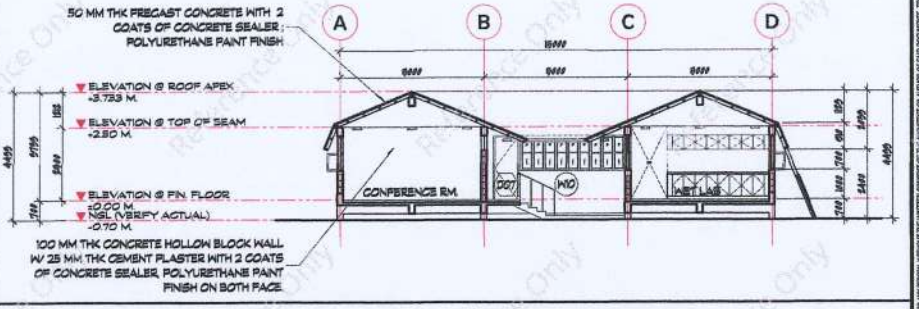
DRAWINGS AND SPECIFICATIONS PLAN STAMPED, SIGNED, & IMPLEMENTS OF SERVICE, ARE THE PROPERTY AND DOCUMENTS OF THE ARCHITECT. IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS, TO PLAGIARIZE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE ERECTION OF AND FOR OTHER PROJECTS OR BUILDING, WHETHER DIRECTLY INDIRECTLY OR IN WHOLE.



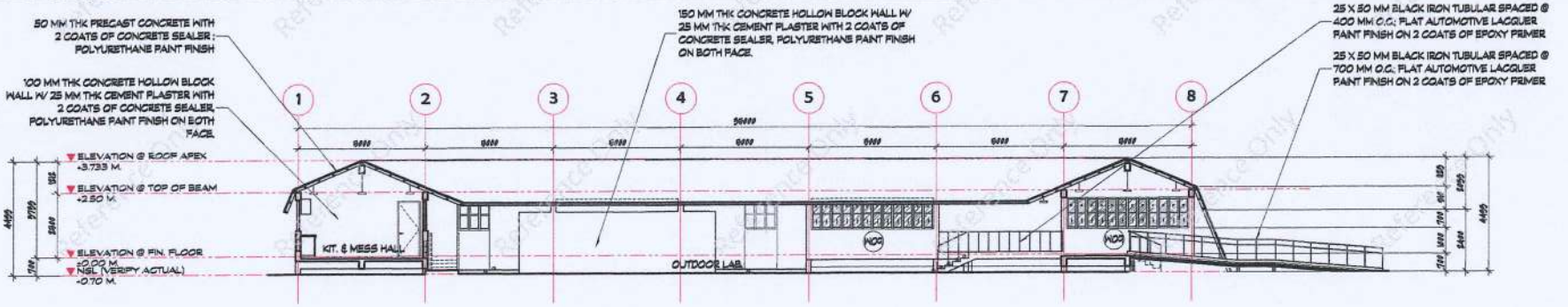
1 / A-5 SECTION THRU A-A
SCALE: 1:100 M.



2 / A-5 SECTION THRU B-B
SCALE: 1:100 M.



3 / A-5 SECTION THRU C-C
SCALE: 1:100 M.



4 / A-5 SECTION THRU D-D
SCALE: 1:100 M.

JORGE YULO ARCHITECTS & ASSOCIATES
3rd Floor Automedica Center Bldg. 2257 Don Chino Roces Ave. Ext'n. Makati City, Philippines 1231
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Email Address: jyarchitects@jargyulo.com jnlbz_ent@jargyulo.com
URL Address: http://www.jargyulo.com

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ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
SECTIONS

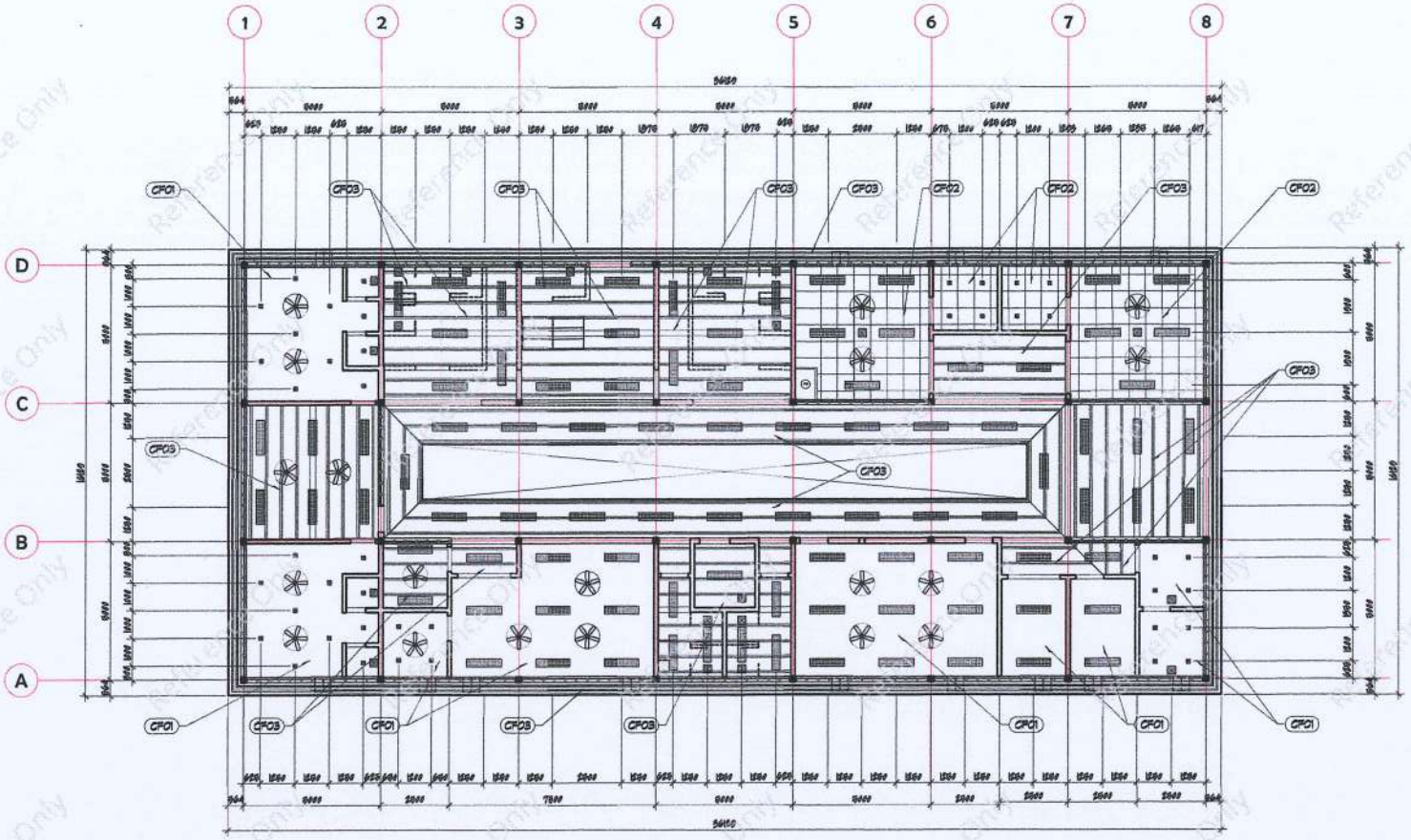
DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FPAB

GRAPHIC SCALE:
1:50 METERS
1:100 METERS
1:150 METERS

SHEET NO.:
A-5

BY IN MS, DRAWINGS AND SPECIFICATIONS ONLY STAMPED, SIGNED, IS INSTRUMENTS OF SERVICE, ARE THE PROPERTY AND DOCUMENTS OF THE ARCHITECT. IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS, TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF ANY NOT OTHER PROJECTS OR REBUILDS, WHETHER EDITED PARTLY OR IN WHOLE.



CEILING FINISHES:

- CF-01 — 4.5 MM THK. FIBER CEMENT BOARD CEILING ON METAL FURRING CHANNELS, FLAT LATEX PAINT FINISH
- CF-02 — 600 X 600 MM ACOUSTIC CEILING TILE ON T-RUNNER
- CF-03 — EXPOSED UNDER ROOF CEILING

ELECTRICAL LEGEND:

- TROFFER LIGHTING FIXTURE (2-36 WATTS FLUORESCENT)
- EXHAUST FAN
- LABORATORY FUME HOOD
- 10 WATTS LED RECESSED PIN LIGHT
- OSCILLATING CEILING FAN

1 / A-6 **REFLECTED CEILING PLAN**
SCALE: 1:100 M.

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JORGE MANUEL B. YULO
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PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

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MR. JOSELITO D. RAZON

SHEET CONTENTS:
REFLECTED CEILING PLAN

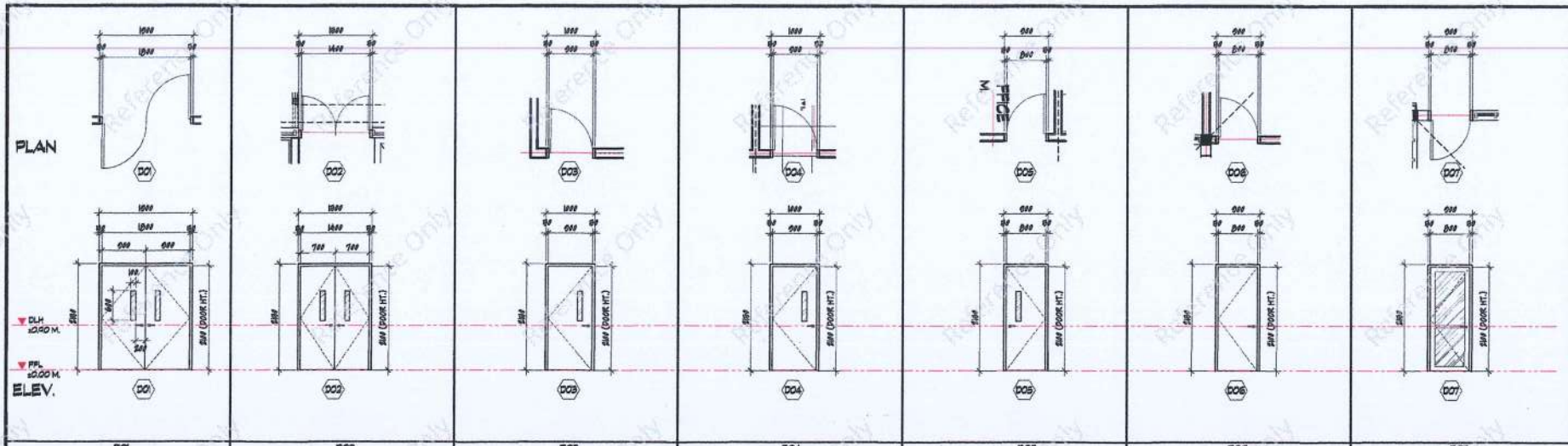
DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAS

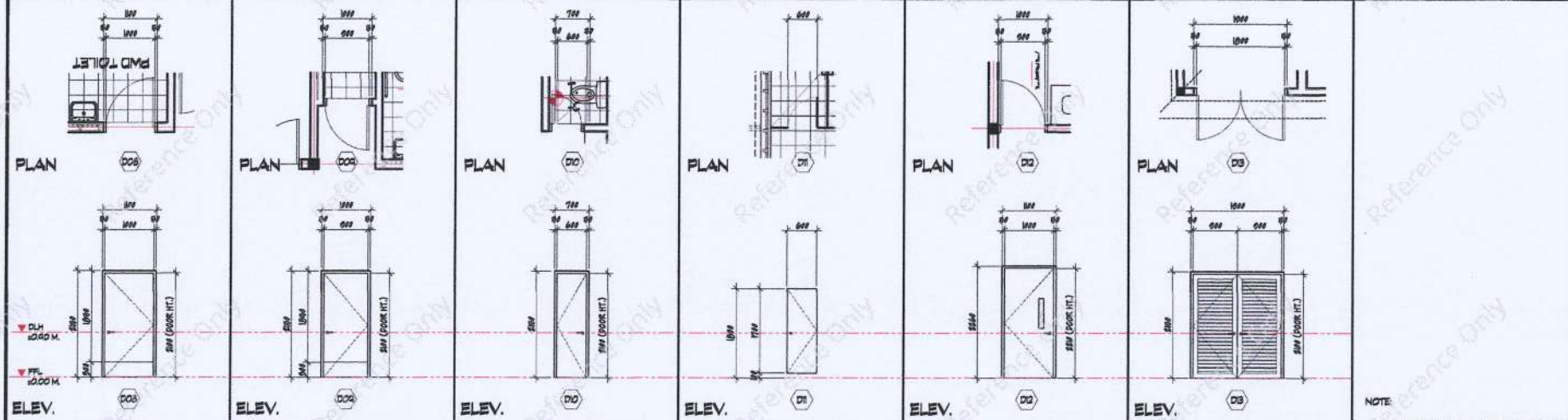
GRAPHIC SCALE:
1:50 METERS
1:100 METERS
1:150 METERS

SHEET NO.: A-6

THE PLANS, DRAWINGS AND SPECIFICATIONS ONLY STAMPED, SIGNED, SEALED, IS INSTRUMENTS OF SERVICE ARE THE PROPERTY AND DOCUMENTS OF THE ARCHITECT. IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS, TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE BY THE ARCHITECT OR ANY OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED DIRECTLY OR IN WHOLE



D01	D02	D03	D04	D05	D06	D07
FOUR (4) SETS	ONE (1) SET	FIVE (5) SETS	TWO (2) SETS	TWO (2) SETS	FOUR (4) SETS	ONE (1) SET
STAFF OFFICE, CLINIC, LABORATORIES	EQUIPMENT & DRYING AREA	LECTURE RM, LIBRARY, SERVER AND ELEC. RM.	LABORATORY STORAGE ROOMS	DIR. OFFICE & CCTV ROOM	QUARTERS & GUARD HOUSE	KITCHEN & MESS HALL
SOLID CORE DOUBLE SWING DOOR WITH 6MM THK NARROW LITE ON BOTH LEAF ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE DOUBLE SWING DOOR WITH 6MM THK NARROW LITE ON BOTH LEAF ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SINGLE SWING METAL DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	6MM THK SINGLE SWING ALUMINUM FRAMED GLASS DOOR, BLACK ANALOK FINISH



D08	D09	D10	D11	D12	D13
ONE (1) SET	TWO (2) SETS	FIVE (5) SETS	TEN (10) SETS	TWO (2) SETS	TWO (2) SETS
PWD TOILET	MALE AND FEMALE TOILET	TEB AT QUARTERS AND GUARDHOUSE	SHOWER & TOILET @ EQPT./DRYING AREA	EQUIPMENT & DRYING AREA	GENSET & PUMP ROOM
SOLID CORE SINGLE SWING DOOR WITH 1.5 MM THK SS KICK PLATE ON 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 1.5 MM THK SS KICK PLATE ON 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	HOLLOW CORE SINGLE SWING DOOR ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	12MM THK HIGH PRESSURE LAMINATE (VERIFY TYPE)	SOLID WOOD SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	50 X 100 X 1.5 MM THK LOUVERED STEEL DOUBLE SWING DOOR ON 50 X 100 STEEL JAMB, FLAT BLACK PAINT FINISH

NOTE:

1. VERIFY ACTUAL DIMENSIONS ON SITE PRIOR TO FABRICATION OF DOORS AND WINDOWS.
2. VERIFY GLASS THICKNESS W/ THE SUPPLIER AND/OR MANUFACTURER
3. CONTRACTOR TO SUBMIT MOCK UP PRIOR TO FABRICATION OF DOORS AND WINDOWS

1 / A-7 DOORS & WINDOWS SCHEDULE

SCALE: 1:50 M.

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JORGE MANUEL B. YULO
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ENGINEER

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BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
DOORS AND WINDOWS SCHEDULE

DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAB

GRAPHIC SCALE:
1:50 METERS 0 0.50 1.00 1.50
1:50 METERS 0 0.50 1.00 2.00
1:100 METERS 0 1.00 2.00 3.00

SHEET NO.: A-7

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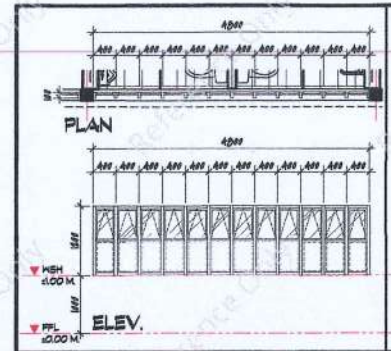
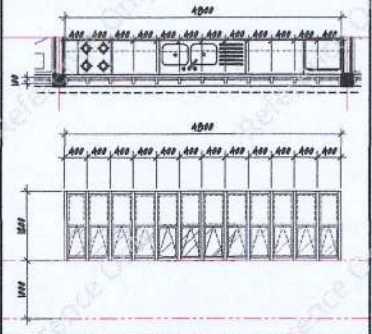
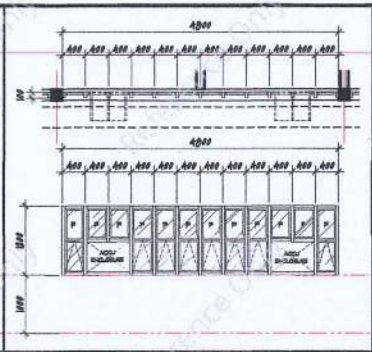


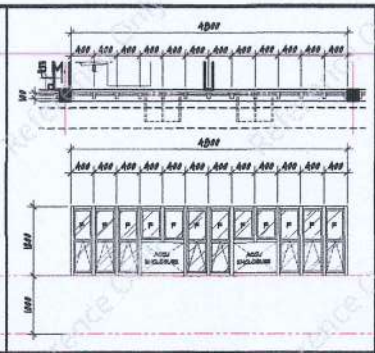
W01	W04
THREE (3) SETS	THREE (3) SETS
(M/F) PUBLIC TOILETS AND LAUNDRY AREAS	LECTURE HALL & LABORATORIES
6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE



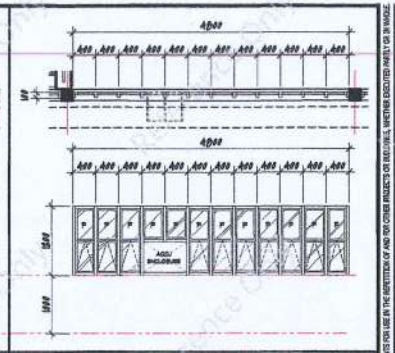
W01A
THREE (3) SETS
MESS HALL, DRY LAB, ELEC. AND SERVER RM.
6MM THK CLEAR GLASS AWNING WINDOW (BOT.) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (TOP) IN BLACK ANALOK ALUMINUM FRAME

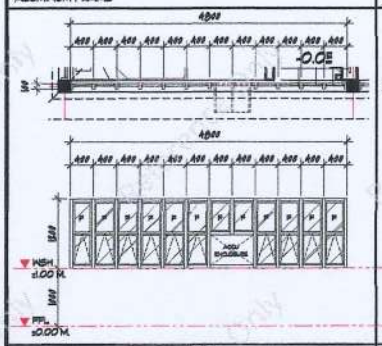


W02
THREE (3) SETS
CLINIC & LECTURE HALL, LAB. STORAGE, LIBRARY, SERVER RM.
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE

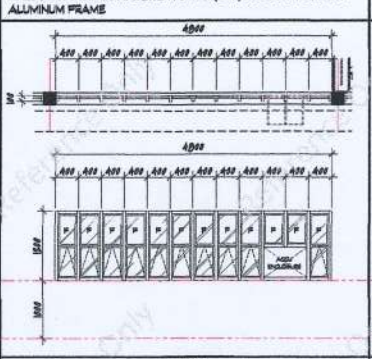


W03
ONE (1) SET
DIRECTORS AND STAFF OFFICE
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE

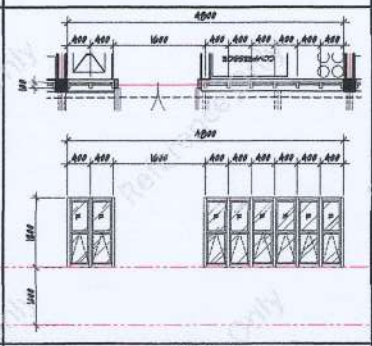




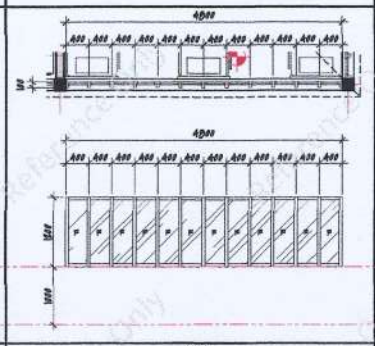
W05
TWO (2) SETS
RESEARCHERS ROOM
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE



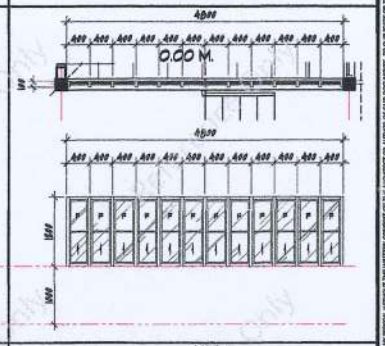
W06
ONE (1) SET
STAFF OFFICE
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE



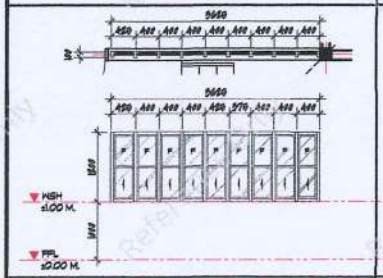
W07
ONE (1) SET
EQUIPMENT & DRYING AREA
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME



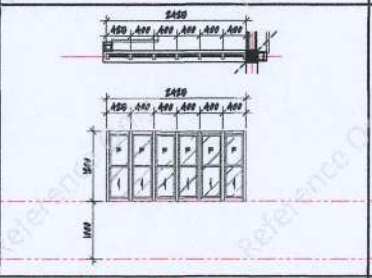
W08
TWO (2) SETS
RESEARCHERS ROOM
6MM THK FROSTED GLASS FIXED WINDOW IN BLACK ANALOK ALUMINUM FRAME



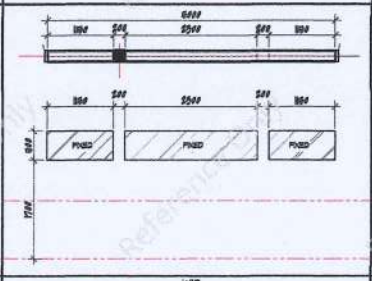
W09
FOUR (4) SETS
STAFF OFFICE, LABORATORIES, LIBRARY HALLWAY
6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME



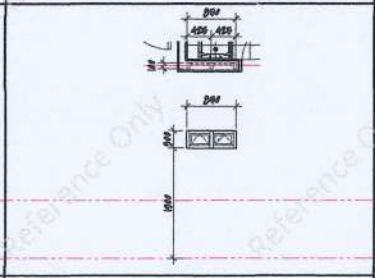
W10
ONE (1) SET
MESS HALL
6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME



W11
ONE (1) SET
CCTV ROOM
6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME



W12
ONE (1) SET
CONFERENCE/LECTURE HALL
12 MM THK CLEAR FRAMELESS TEMPERED GLASS



W13
ONE (1) SET
PWD TOILET
6MM THK CLEAR GLASS AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME

NOTE:

1. VERIFY ACTUAL DIMENSIONS ON SITE PRIOR TO FABRICATION OF DOORS AND WINDOWS.
2. VERIFY GLASS THICKNESS W/ THE SUPPLIER AND/OR MANUFACTURER
3. CONTRACTOR TO SUBMIT MOCK UP PRIOR TO FABRICATION OF DOORS AND WINDOWS

1 / A-7A **DOORS & WINDOWS SCHEDULE**
SCALE : 1:50 M.

JORGE YULO ARCHITECTS & ASSOCIATES
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ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
DOORS AND WINDOWS SCHEDULE

DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:20 METERS 0 0.20 1.00 1.20
1:50 METERS 0 0.50 1.00 2.00
1:100 METERS 0 0.25 1.00 2.00 4.00

SHEET NO.:
A-7A

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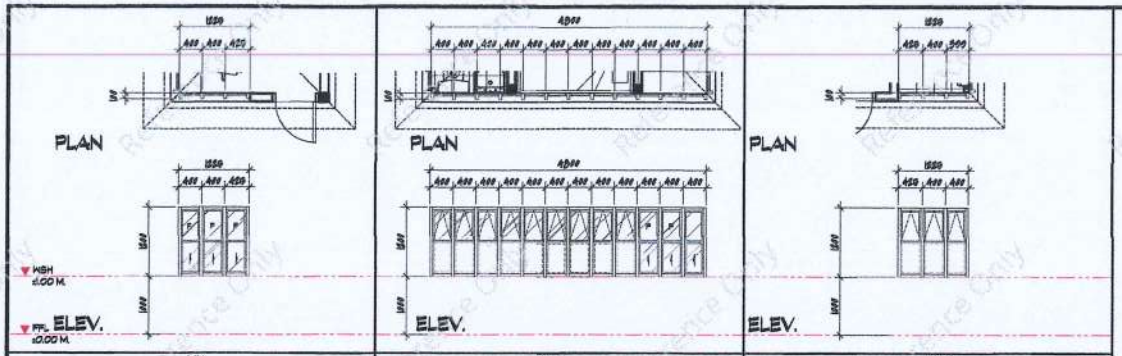
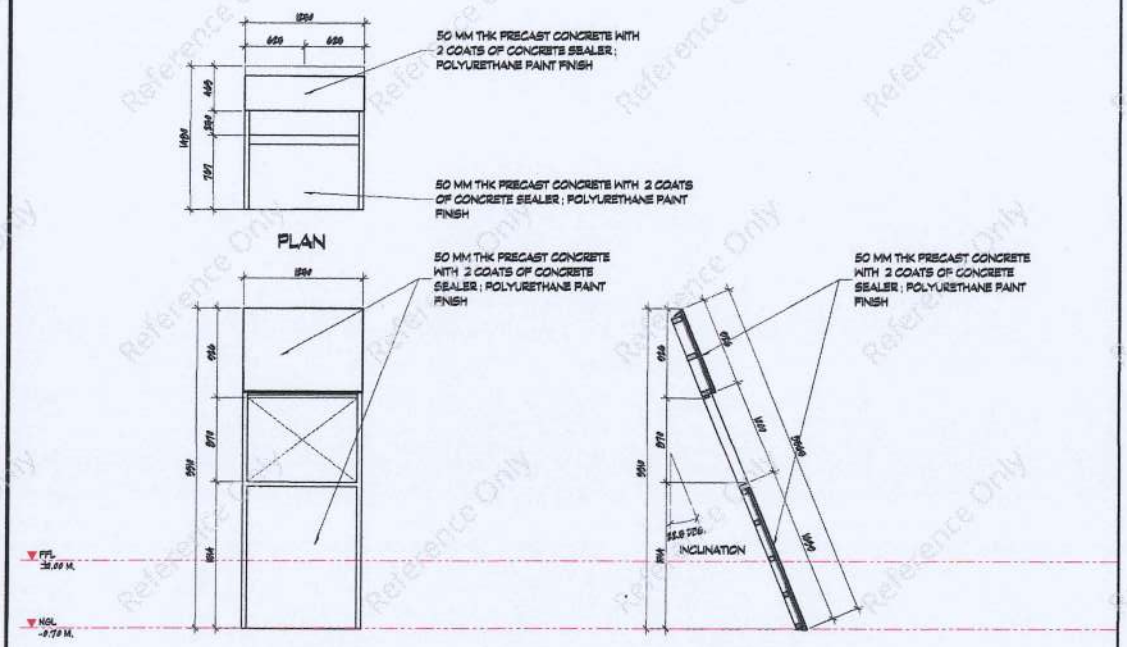


W04	W15	W16
ONE (1) SET		
GUARD HOUSE	GUARD HOUSE	GUARD HOUSE TEB
6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (TOP.) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT) WITH 3 PANELS OF SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANALOK ALUMINUM FRAME

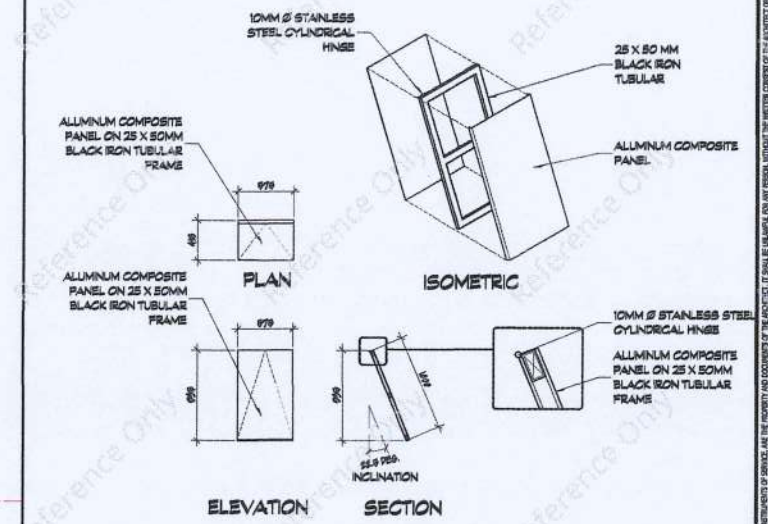
NOTE:

1. VERIFY ACTUAL DIMENSIONS ON SITE PRIOR TO FABRICATION OF DOORS AND WINDOWS.
2. VERIFY GLASS THICKNESS W/ THE SUPPLIER AND/OR MANUFACTURER
3. CONTRACTOR TO SUBMIT MOCK UP PRIOR TO FABRICATION OF DOORS AND WINDOWS

1 / A-7B WINDOWS SCHEDULE
SCALE: 1:50 M.



2 / A-7B WIND DEFLECTOR DETAILS
SCALE: 1:30 M.



3 / A-7B WINDOW SHUTTER DETAILS
SCALE: 1:30 M.

JORGE YULO ARCHITECTS & ASSOCIATES
3rd Floor Automatics Center Bldg. 2257 Don Chino Roces Ave. Extn. Makati City, Philippines 1231
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URL Address: http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12596
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION :
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
WINDOWS SCHEDULE, WINDOW SHUTTER & DEFLECTOR DETAILS

DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAS

GRAPHIC SCALE:
1:25 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-7B

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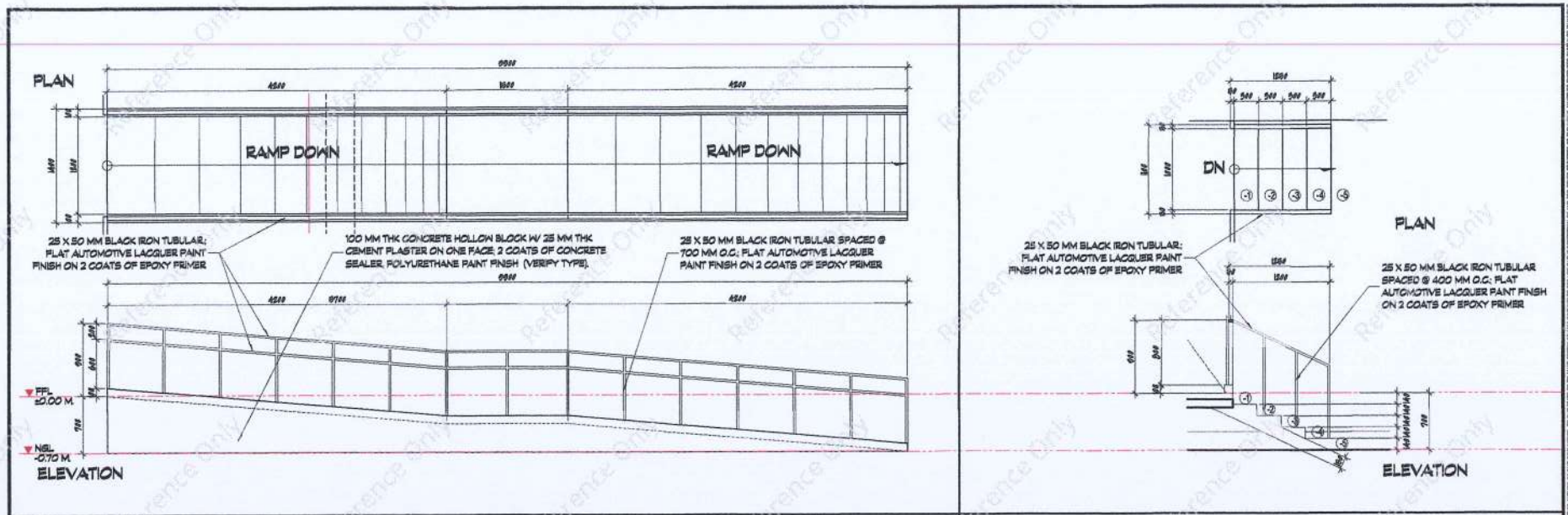

1 A-8 **CONCRETE RAMP DETAILS**
SCALE: 1:50 M.

2 A-8 **STAIR DETAILS**
SCALE: 1:50 M.

JORGE YULO ARCHITECTS & ASSOCIATES
3rd Floor Automotive Center Bldg. 2257 Don Chino Roces Ave. Extn. Makati City, Philippines 1231
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URL Address: http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935

ISSUED AT: MAKATI CITY

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
RAMP AND STAIR DETAILS

DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:50 METERS 0 0.50 1.00 1.50
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SHEET NO.: A-8

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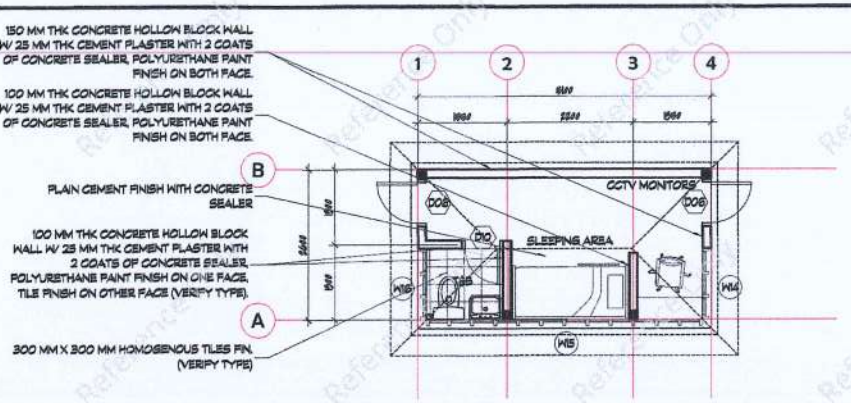
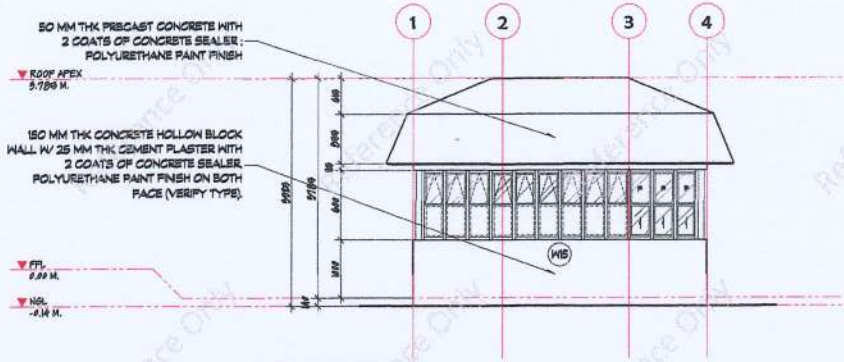
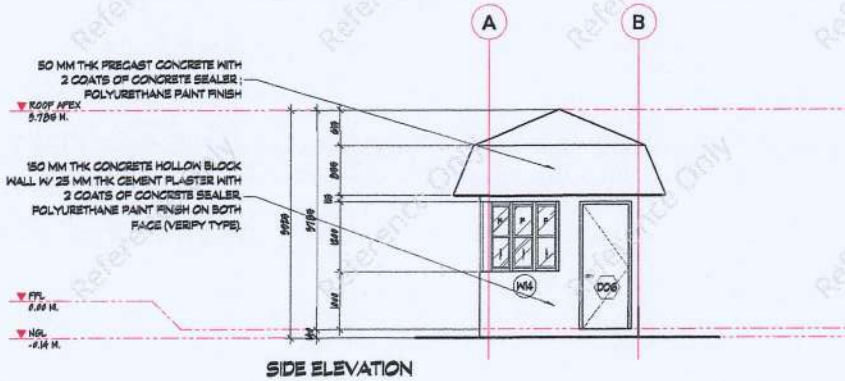


FLOOR PLAN

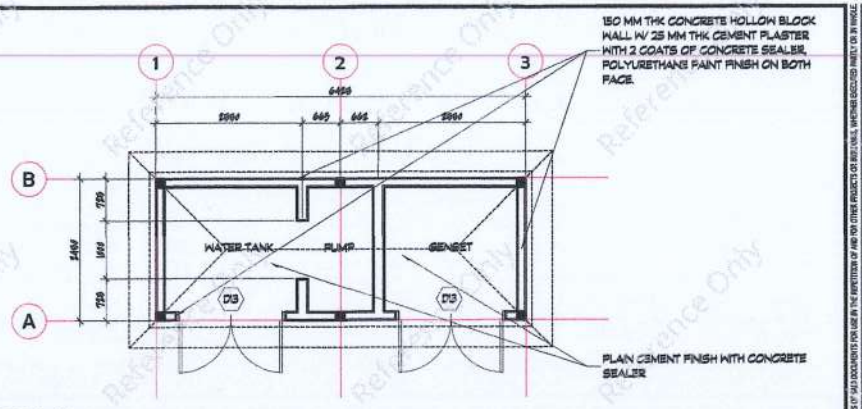


FRONT ELEVATION

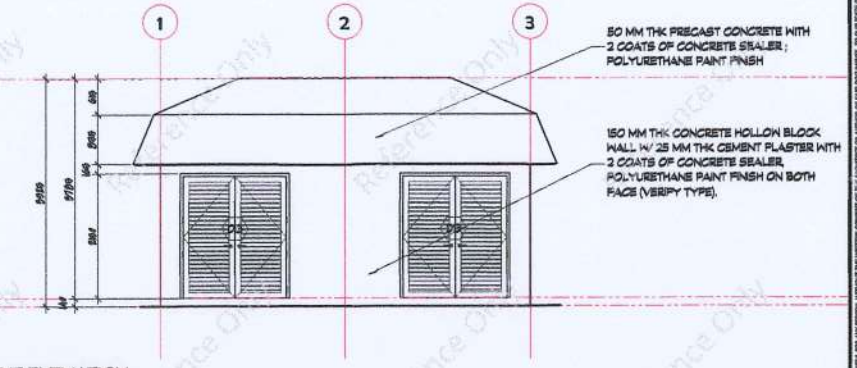


SIDE ELEVATION

1 A-9 GUARD HOUSE DETAILS
SCALE : 1:50 M.



FLOOR PLAN



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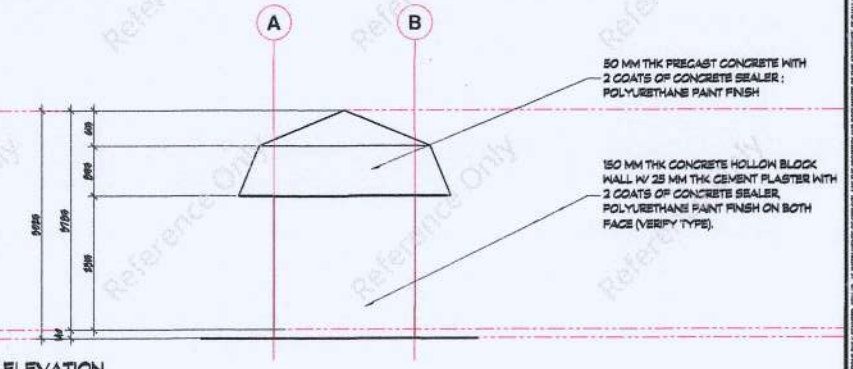

SIDE ELEVATION

2 A-9 PUMP AND GENSET ROOM DETAILS
SCALE : 1:50 M.

JORGE YULO ARCHITECTS & ASSOCIATES
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Fax No. (632) 8482974
EMail Address: jyarchitects@jorgeyulo.com jrdlu_arch@jorgeyulo.com
URL Address: http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12398
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION :
BRGY. PUNTA, APARRI, CAGAYAN, PHILIPPINES

OWNER:
MR. JOSELITO D. RAZON

SHEET CONTENTS:
GUARD HOUSE, PUMP ROOM AND GENSET ROOM DETAILS

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAS

GRAPHIC SCALE:
1:50 METERS 0 0.50 1.00 1.50
1:100 METERS 0 1.00 2.00
1:100 METERS 0 2.00 4.00

SHEET NO.:
A-9

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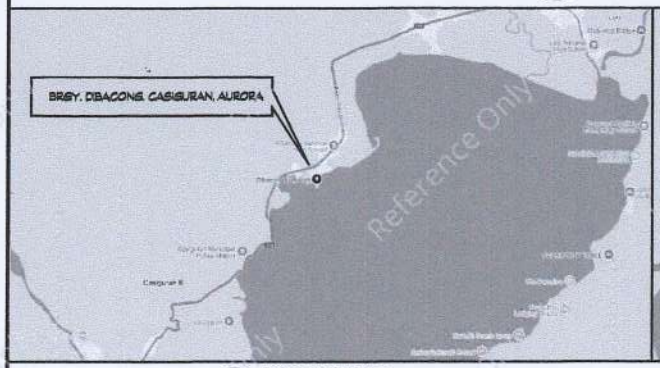
Department of Environment and Natural Resources

ARCHITECTURAL DESIGN

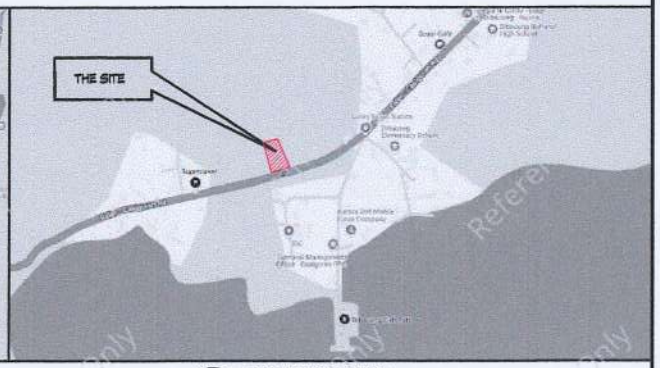
CASIGURAN, AURORA

MARINE SCIENTIFIC RESEARCH STATION

1 CS-1 PERSPECTIVES
SCALE: N.T.S.



2 CS-1 VICINITY MAP
SCALE: N.T.S.



3 CS-1 LOCATION MAP
SCALE: N.T.S.

TABLE OF CONTENTS

ARCHITECTURAL
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VICINITY MAP
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A-3 ROOF PLAN
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A-5 SECTIONS
A-6 REFLECTED CEILING PLAN
A-7 DOORS AND WINDOWS SCHEDULE
A-7a DOORS AND WINDOWS SCHEDULE
A-8 WIND DEFLECTOR, WINDOW SHUTTER, RAMP, AND STAIR DETAILS
A-9 GUARD HOUSE, PUMP ROOM, AND GENSET DETAILS

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL

LAND USE/ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

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ARCHITECT

ENGINEER

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PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
PERSPECTIVES
VICINITY MAP
LOCATION MAP

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFRAB

GRAPHIC SCALE:
1:50 METERS 0 0.50 1.00 1.50
1:100 METERS 0 0.50 1.00 2.00
1:150 METERS 0 0.50 1.00 2.00 3.00

SHEET NO.:
CS-1

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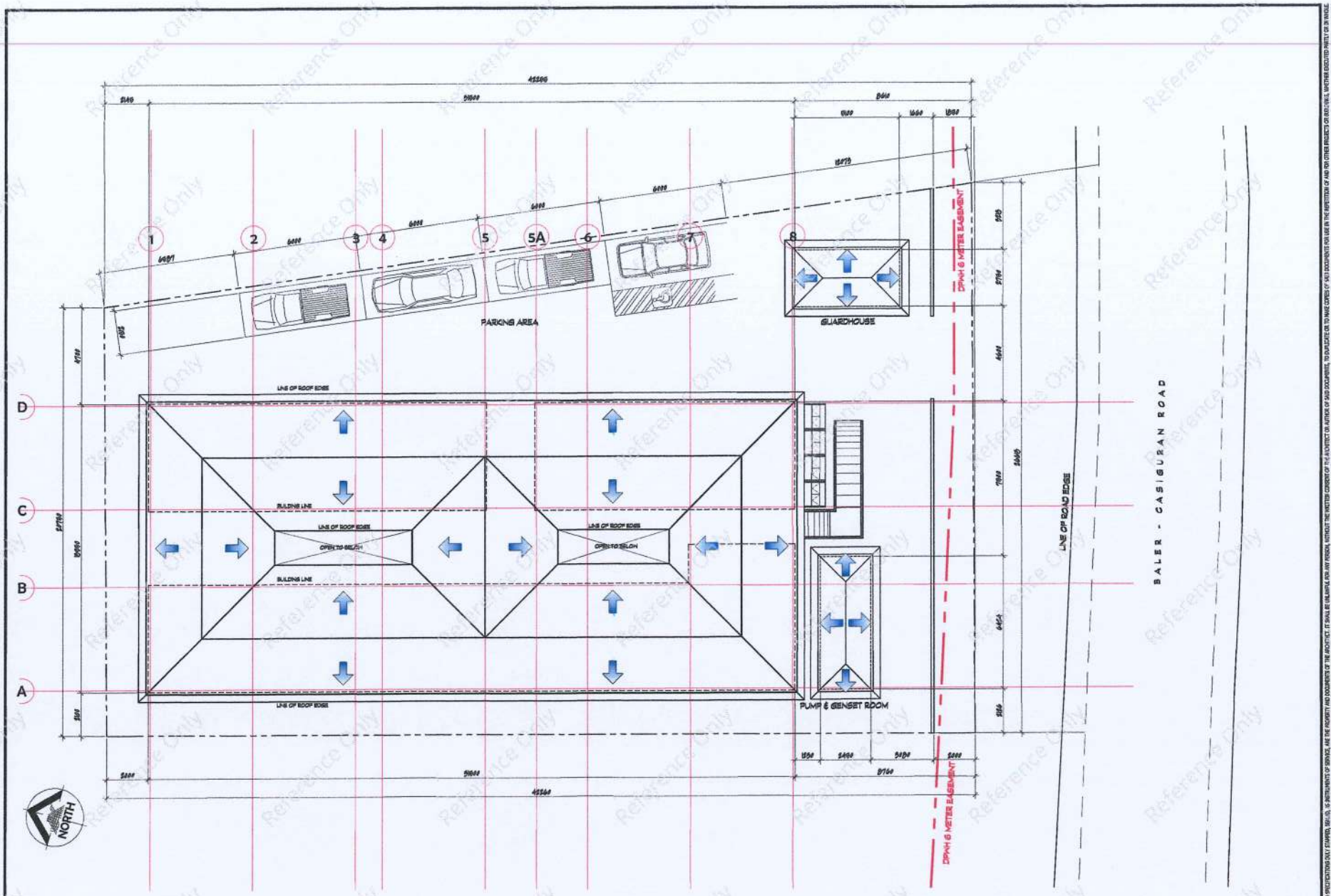
Reference Only



1 / A-1 AURORA MSRS SITE DEVELOPMENT PLAN

SCALE: 1:100 M.

JORGE YULO ARCHITECTS & ASSOCIATES

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PROPOSED MARINE SCIENTIFIC RESEARCH STATION

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OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: PPAS

GRAPHIC SCALE:
1:20 METERS
1:50 METERS
1:100 METERS

SHEET NO.: A-1

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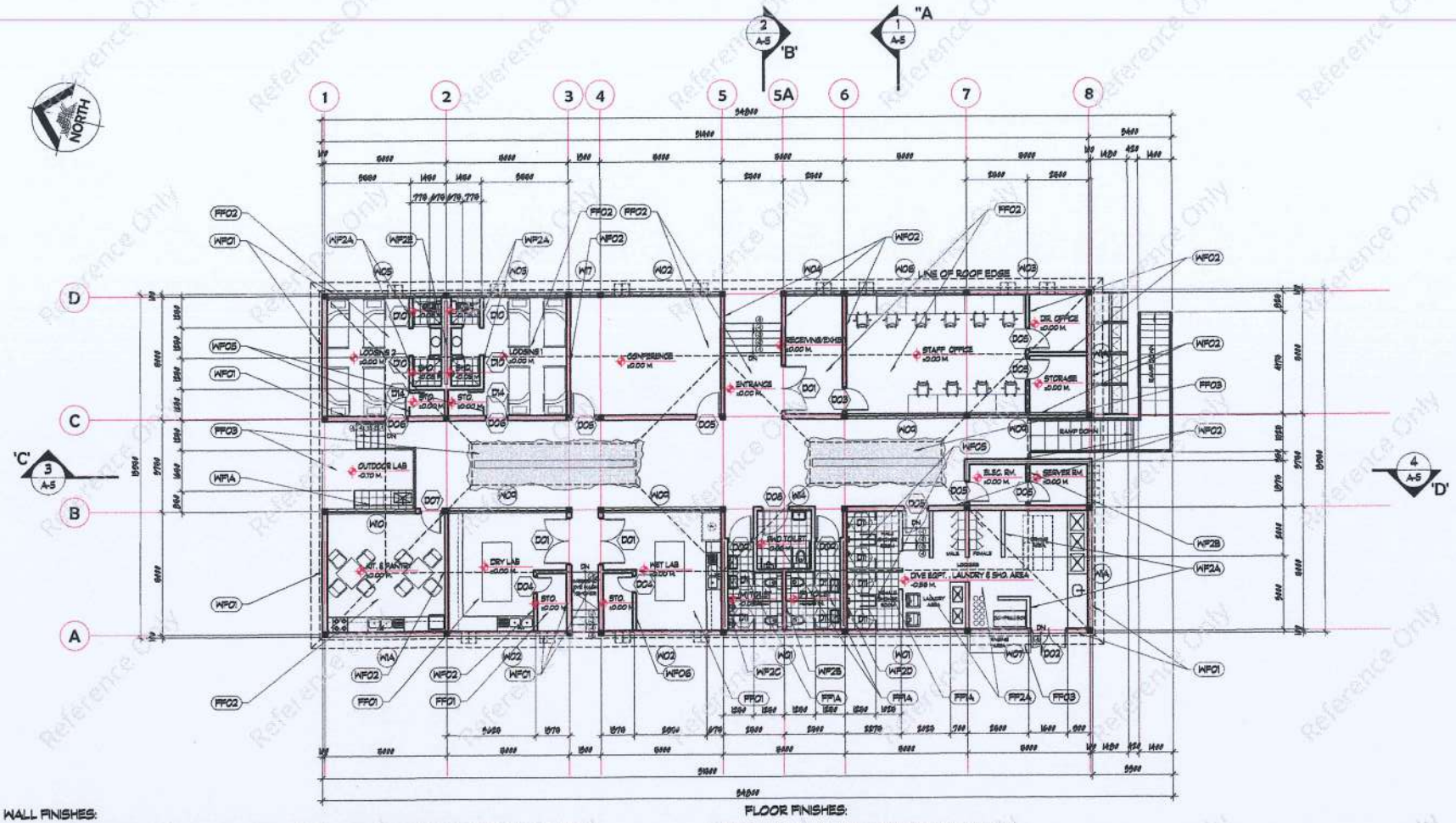

WALL FINISHES:

- WF-01 150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
- WF-1A 150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
- WF-1B 150 MM THK CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE).
- WF-02 100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
- WF-2A 100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
- WF-2B 100 MM THK CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE).
- WF-2C 275 MM THK (2-100 MM) CONCRETE HOLLOW BLOCK WALL, 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE)
- WF-2D 275 MM THK (2-100 MM) CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE)
- WF-2E 400 MM THK (2-100 MM) CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE)
- WF-03 50 MM THK PRECAST CONCRETE WITH 2 COATS OF CONCRETE SEALER ; POLYURETHANE PAINT FINISH
- WF-04 ALUMINUM COMPOSITE PANEL ON METAL FRAME
- WF-05 12 MM THK. HIGH PRESSURE LAMINATE (VERIFY TYPE)
- WF-06 40 MIL TRANSPARENT VINYL STRIP CURTAIN W/ 50 MM OVERLAP

FLOOR FINISHES:

- FF-01 600 MM X 600 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
- FF-1A 300 MM X 300 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
- FF-02 SANDED TO SMOOTH PLAIN CEMENT FINISH WITH CONCRETE SEALER & 3 COATS OF POLYURETHANE PAINT
- FF-2A PLAIN CEMENT CONCRETE FINISH
- FF-03 50MM THK RIVER STONE GRAVEL BED

1 / A-2 **PROPOSED AURORA MSRS FLOOR PLAN**
SCALE: 1:100 M.

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ENGINEER

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PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION :
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
PROPOSED AURORA MSRS FLOOR PLAN

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:25 METERS 0 0.50 1.00 1.50
1:50 METERS 0 0.50 1.00 2.00
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SHEET NO.:
A-2

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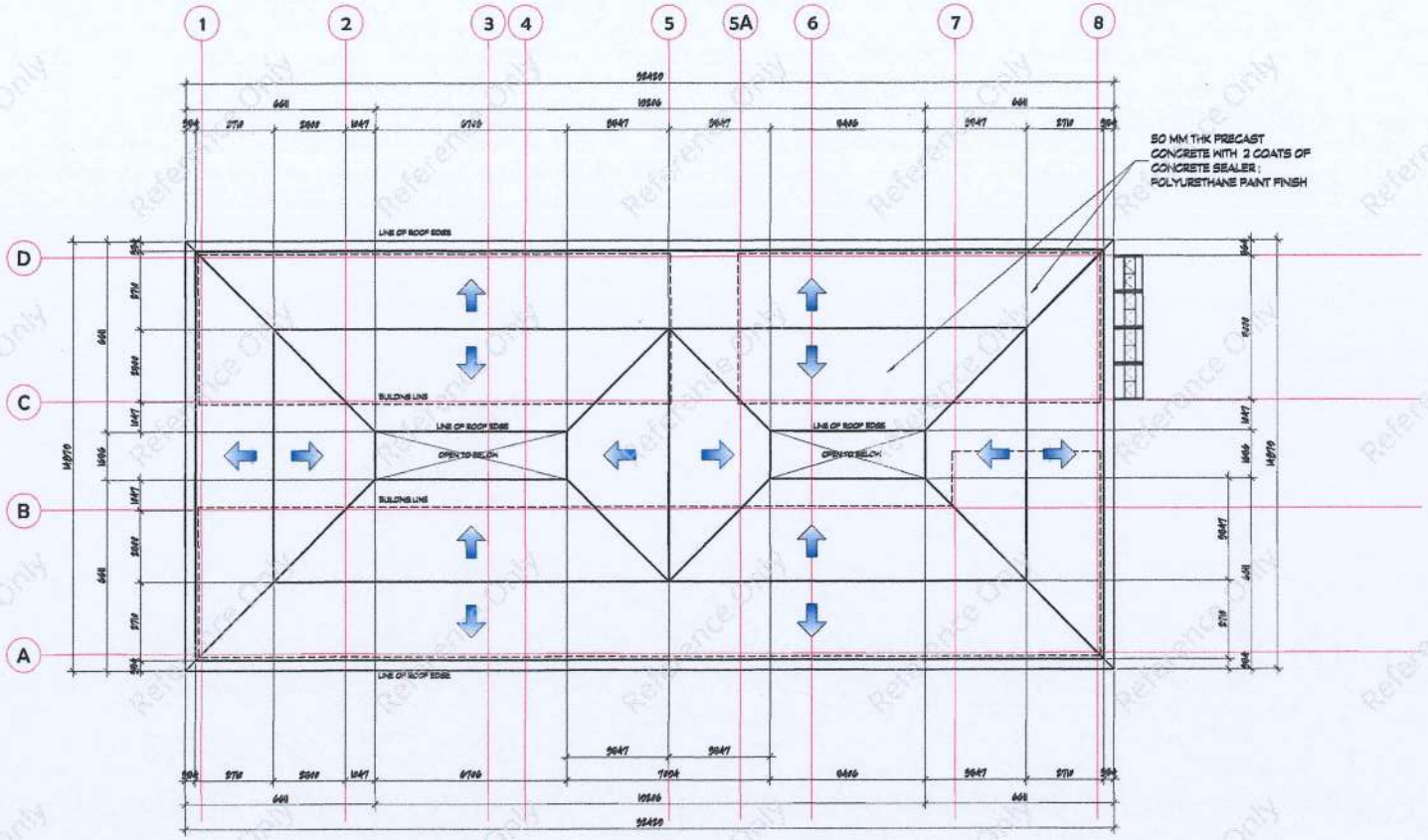

1 / A-3 AURORA MSRS ROOF PLAN

SCALE: 1:100 M.

JORGE YULO ARCHITECTS & ASSOCIATES

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Email Address:
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jrbs_arch@jorgeyulo.com
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PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935

ISSUED AT: MAKATI CITY

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ARCHITECT

ENGINEER

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ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
ROOF PLAN

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAS

GRAPHIC SCALE:
1:25 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-3

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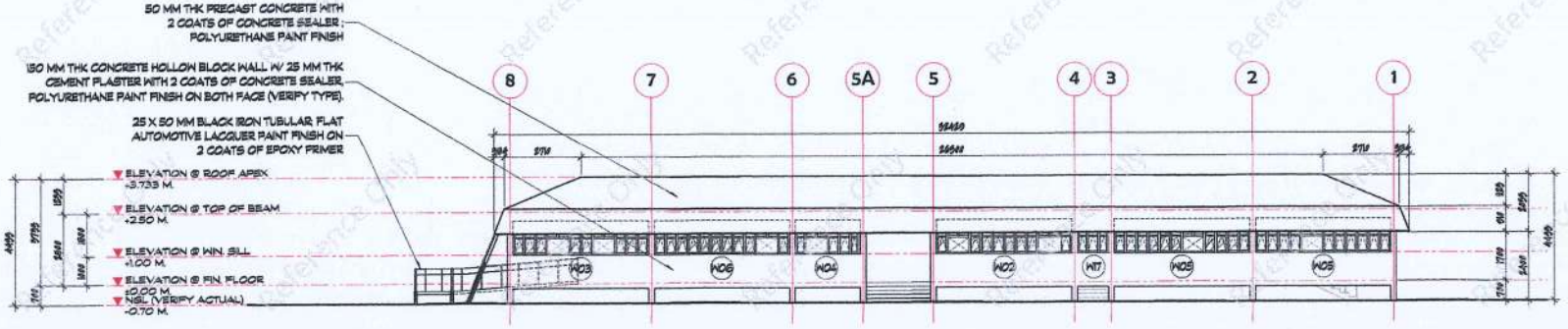
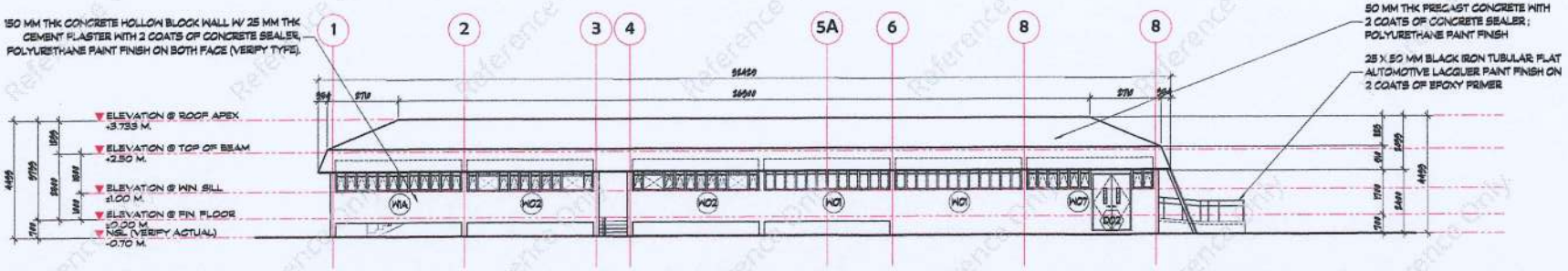
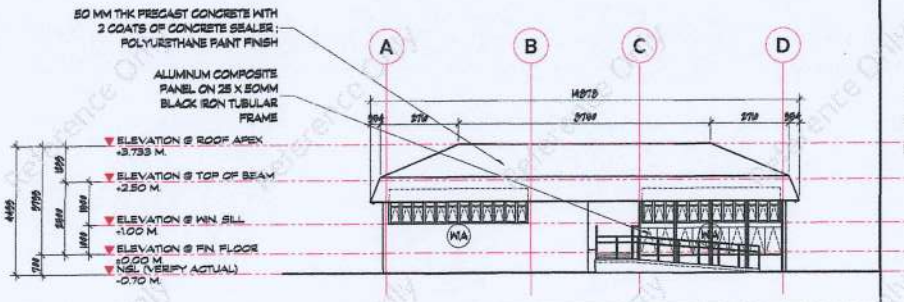


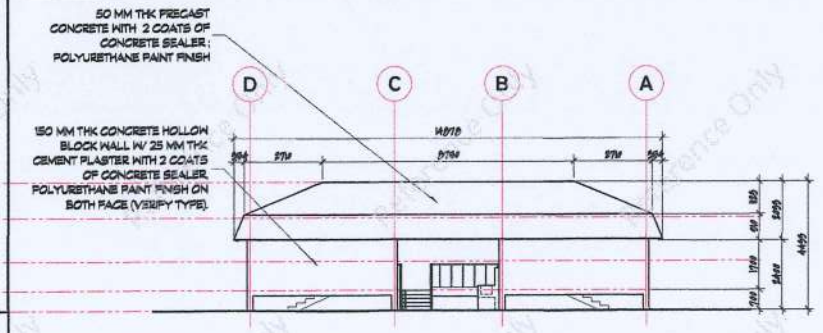
1 A-4 **FRONT ELEVATION**
SCALE: 1:100 M.



2 A-4 **REAR ELEVATION**
SCALE: 1:100 M.



3 A-4 **LEFT SIDE ELEVATION**
SCALE: 1:100 M.



4 A-4 **RIGHT SIDE ELEVATION**
SCALE: 1:100 M.

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http://www.jorgeyulo.com

PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
ELEVATIONS

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:25 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-4

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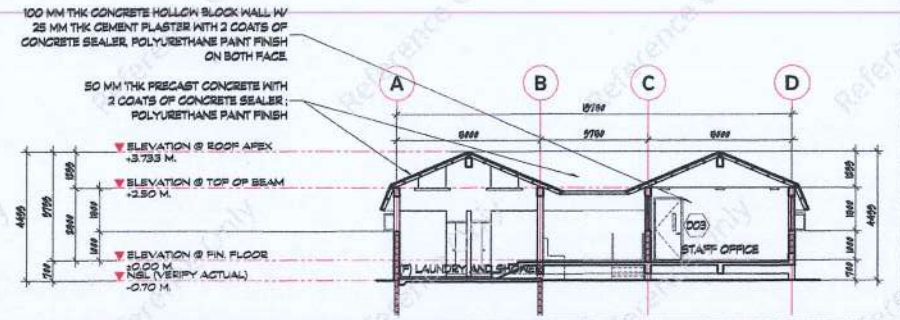
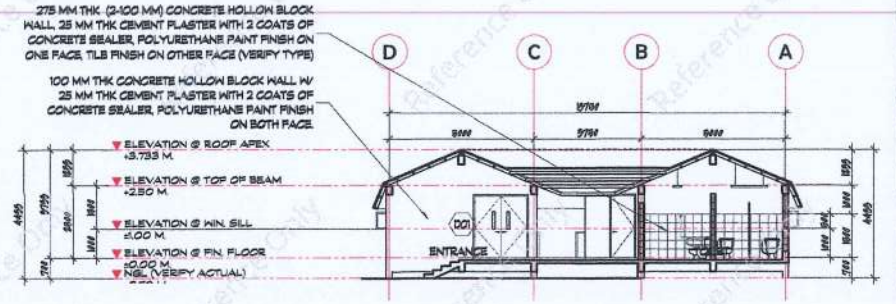
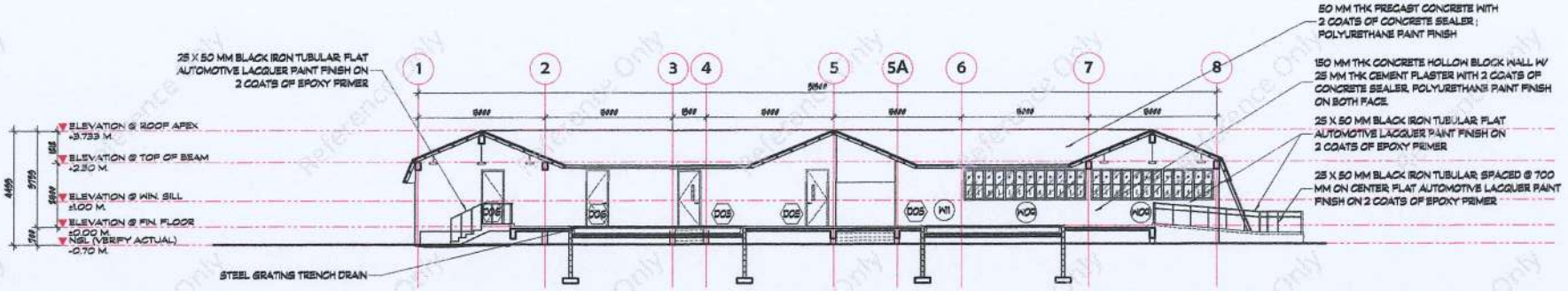


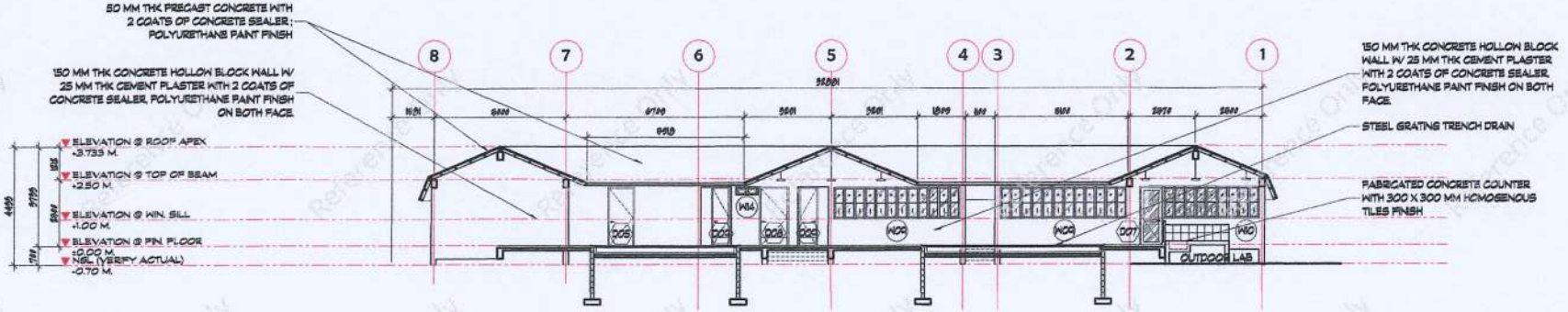
1 A-5 SECTION THRU A-A
SCALE: 1:100 M.



2 A-5 SECTION THRU B-B
SCALE: 1:100 M.



3 A-5 SECTION THRU C-C
SCALE: 1:100 M.



4 A-5 SECTION THRU D-D
SCALE: 1:100 M.

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PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
SECTIONS

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFAB

GRAPHIC SCALE:
1:50 METERS
1:100 METERS
1:150 METERS

SHEET NO.:
A-5

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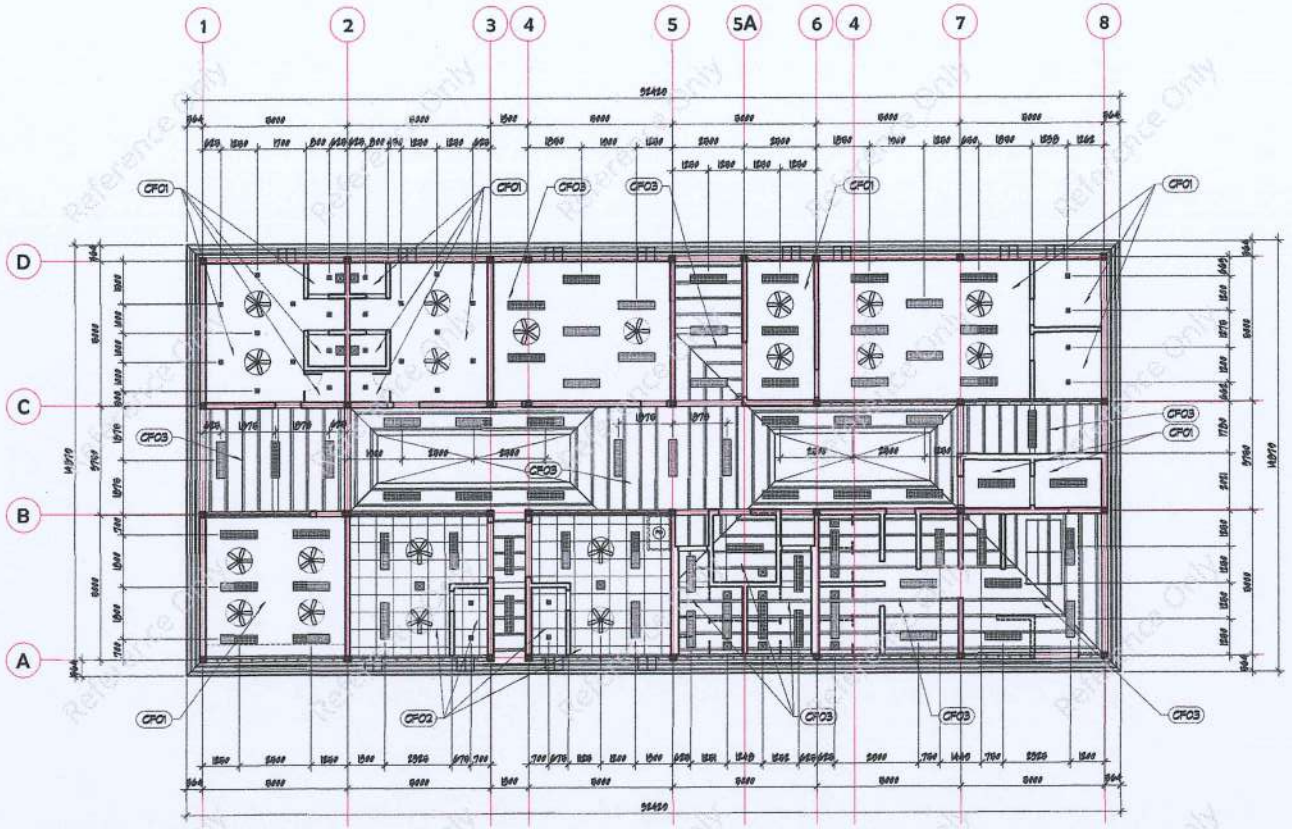

CEILING FINISHES:

- CF-01 — 4.5 MM THK. FIBER CEMENT BOARD CEILING ON METAL FURRING CHANNELS, FLAT LATEX PAINT FINISH
- CF-02 — 600 X 600 MM ACOUSTIC CEILING TILE ON T-RUNNER
- CF-03 — EXPOSED UNDER ROOF CEILING

ELECTRICAL LEGEND:

- TROFFER LIGHTING FIXTURE (2-38 WATTS FLUORESCENT)
- EXHAUST FAN
- LABORATORY FUME HOOD
- 10 WATTS LED RECESSED PIN LIGHT
- OSCILLATING CEILING FAN

1 / A-6 **REFLECTED CEILING PLAN**
SCALE: 1:100 M.

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10475571	12396
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JORGE MANUEL B. YULO
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ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
REFLECTED CEILING PLAN

DATE: MARCH 2025

DRAWN BY:	CHECKED BY:
ETL	FFAJ

GRAPHIC SCALE:
1:20 METERS
1:100 METERS
1:100 METERS

SHEET NO.:
A-6

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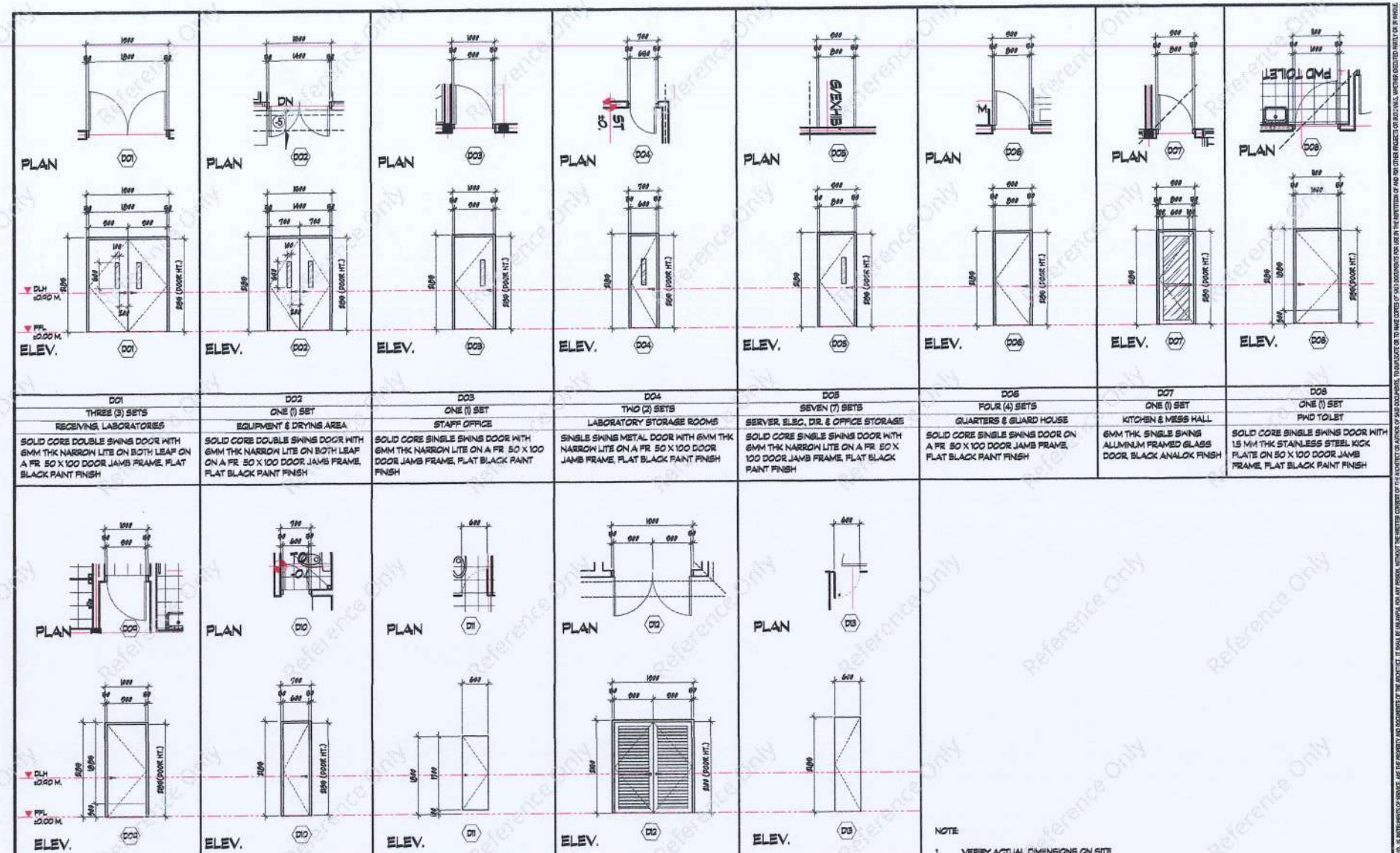

	D01	D02	D03	D04	D05	D06	D07	D08
	THREE (3) SETS	ONE (1) SET	ONE (1) SET	TWO (2) SETS	SEVEN (7) SETS	FOUR (4) SETS	ONE (1) SET	ONE (1) SET
	RECEIVING, LABORATORIES	EQUIPMENT & DRYING AREA	STAFF OFFICE	LABORATORY STORAGE ROOMS	SERVER, ELEC., DIR. & OFFICE STORAGE	QUARTERS & GUARD HOUSE	KITCHEN & MESS HALL	PWD TOILET
	SOLID CORE DOUBLE SWING DOOR WITH 6MM THK NARROW LITE ON BOTH LEAF ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE DOUBLE SWING DOOR WITH 6MM THK NARROW LITE ON BOTH LEAF ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SINGLE SWING METAL DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	6MM THK SINGLE SWING ALUMINUM FRAMED GLASS DOOR, BLACK ANALOK FINISH	SOLID CORE SINGLE SWING DOOR WITH 1.5 MM THK STAINLESS STEEL KICK PLATE ON 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH

	D09	D10	D11	D12	D13
	TWO (2) SETS	FIVE (5) SETS	EIGHT (8) SETS	THREE (3) SETS	THREE (3) SETS
	MALE AND FEMALE TOILET	TES @ LODGING AND GUARDHOUSE	SHOWER & TOILET @ EQPT./DRYING AREA	TRANSFORMER, GENSET & PUMP ROOM	QUARTERS AND OFFICE STORAGE
	SOLID CORE SINGLE SWING DOOR WITH 1.5 MM THK SS KICK PLATE ON 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	HOLLOW CORE SINGLE SWING DOOR ON A FR 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	12MM THK HIGH PRESSURE LAMINATE (VERIFY TYPE)	50 X 100 X 1.5 MM THK LOUVERED STEEL DOUBLE SWING DOOR ON 50 X 100 STEEL JAMB, FLAT BLACK PAINT FINISH	12MM THK HIGH PRESSURE LAMINATE (VERIFY TYPE)

NOTE:

1. VERIFY ACTUAL DIMENSIONS ON SITE PRIOR TO FABRICATION OF DOORS AND WINDOWS.
2. VERIFY GLASS THICKNESS W/ THE SUPPLIER AND/OR MANUFACTURER
3. CONTRACTOR TO SUBMIT MOCK UP PRIOR TO FABRICATION OF DOORS AND WINDOWS

1 / A-7 DOORS & WINDOWS SCHEDULE
SCALE: 1:50 M.

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PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	
JORGE MANUEL B. YULO ARCHITECT	

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
DOORS AND WINDOWS SCHEDULE

DATE: MARCH 2025

DRAWN BY: ETL	CHECKED BY: FFJA3

GRAPHIC SCALE:
1:25 METERS 0.00 0.25 0.50 0.75 1.00
1:50 METERS 0.00 0.50 1.00 2.00
1:100 METERS 0.00 1.00 2.00 4.00

SHEET NO.: A-7

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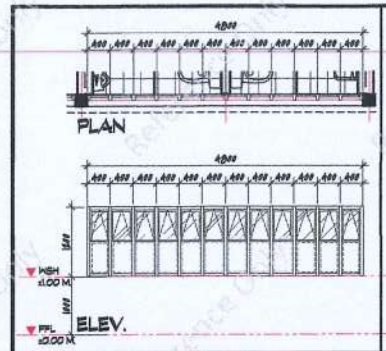

W01	W14	W02	W03	W04
FOUR (4) SETS	THREE (3) SETS	THREE (3) SETS	TWO (2) SETS	ONE (1) SET
(M/F) TOLETS AND LAUNDRY AREAS	KITCHEN & MESS HALL, DIR. OFFICE, AND STAFF STORAGE	LABORATORIES AND CONFERENCE ROOM	LODGING 1 AND 2	RECEIVING AREA
6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (BOT.) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (TOP) IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE

W05	W06	W07	W09	W10
TWO (2) SETS	ONE (1) SET	ONE (1) SET	FOUR (4) SETS	ONE (1) SET
LODGING 1 AND 2	STAFF OFFICE	EQUIPMENT & DRYING AREA	LABORATORIES, STAFF OFFICE AND STORAGE ROOM	MESS HALL / KITCHEN
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME WITH ACCU ENCLOSURE	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME

W11	W14	W15	W16	W17
ONE (1) SET	ONE (1) SET	ONE (1) SET	ONE (1) SET	ONE (1) SET
GUARD HOUSE	PWD TOILET	GUARDHOUSE	GUARDHOUSE TOILET	CONFERENCE ROOM
6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANALOK ALUMINUM FRAME	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANALOK ALUMINUM FRAME

1 / A-7A DOORS & WINDOWS SCHEDULE
SCALE: 1:50 M.

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URL Address: http://www.jorgeyulo.com

PTR NO.:	REG.NO.
10475571	12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935

ISSUED AT: MAKATI CITY

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
DOORS AND WINDOWS SCHEDULE

DATE: MARCH 2025

DRAWN BY:	CHECKED BY:
STL	FFA3

GRAPHIC SCALE:
1.00 METERS 0.00 0.50 1.00 1.25
1.50 METERS 0.00 0.75 1.50 2.50
1:150 METERS 0.00 1.50 3.00 4.50

SHEET NO.: A-7A

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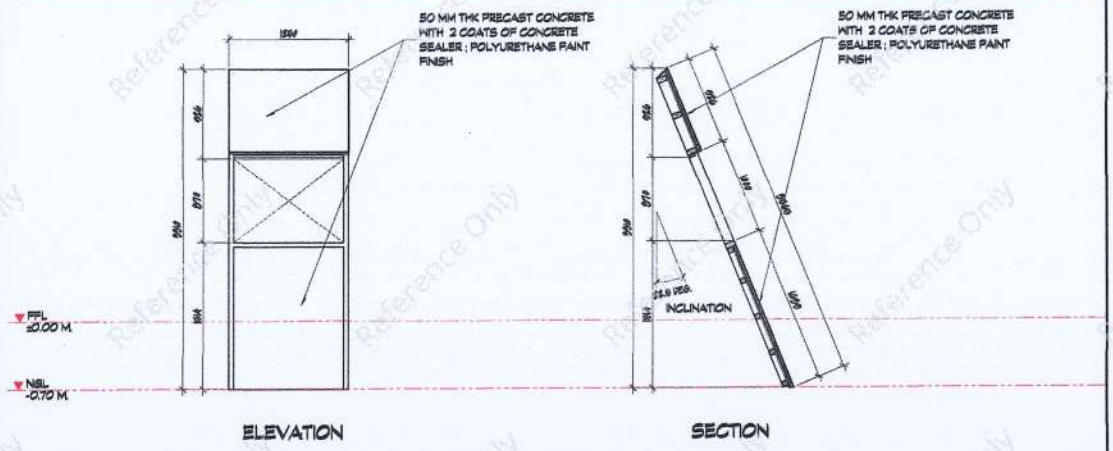
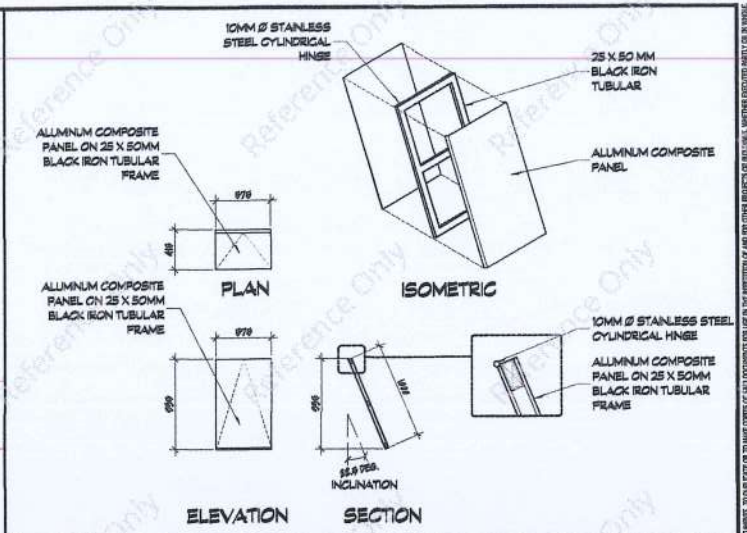
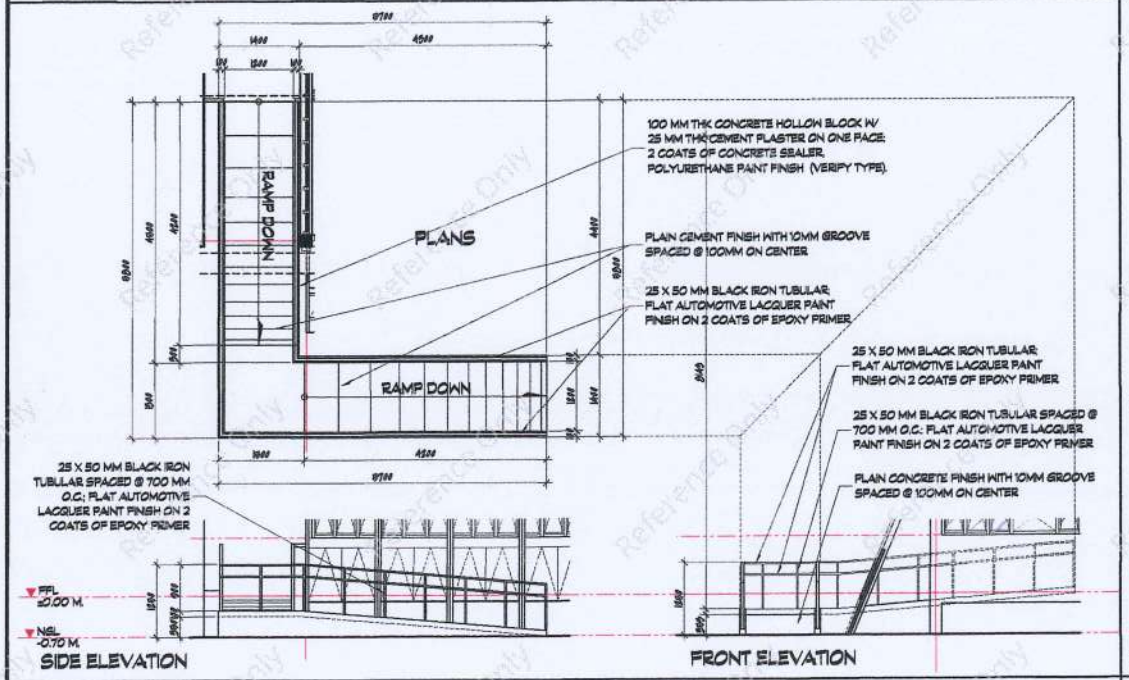


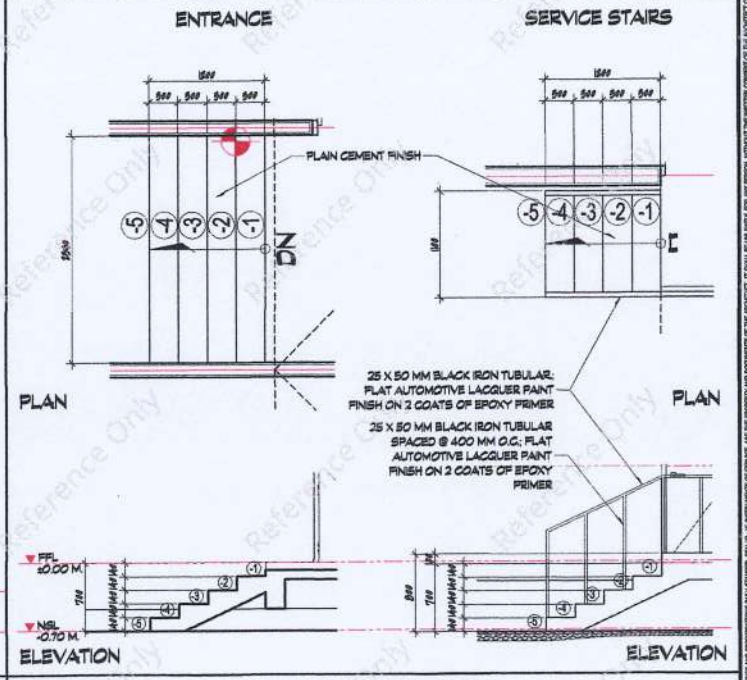
1 A-8 WIND DEFLECTOR DETAILS
SCALE: 1:30 M.



2 A-8 WINDOW SHUTTER DETAILS
SCALE: 1:30 M.



3 A-8 CONCRETE RAMP DETAILS
SCALE: 1:50 M.



4 A-8 STAIRS DETAILS
SCALE: 1:30 M.

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JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
WIND DEFLECTOR, WINDOW SHUTTER, RAMP AND STAIR DETAILS

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FRAB

GRAPHIC SCALE:
1:30 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-8

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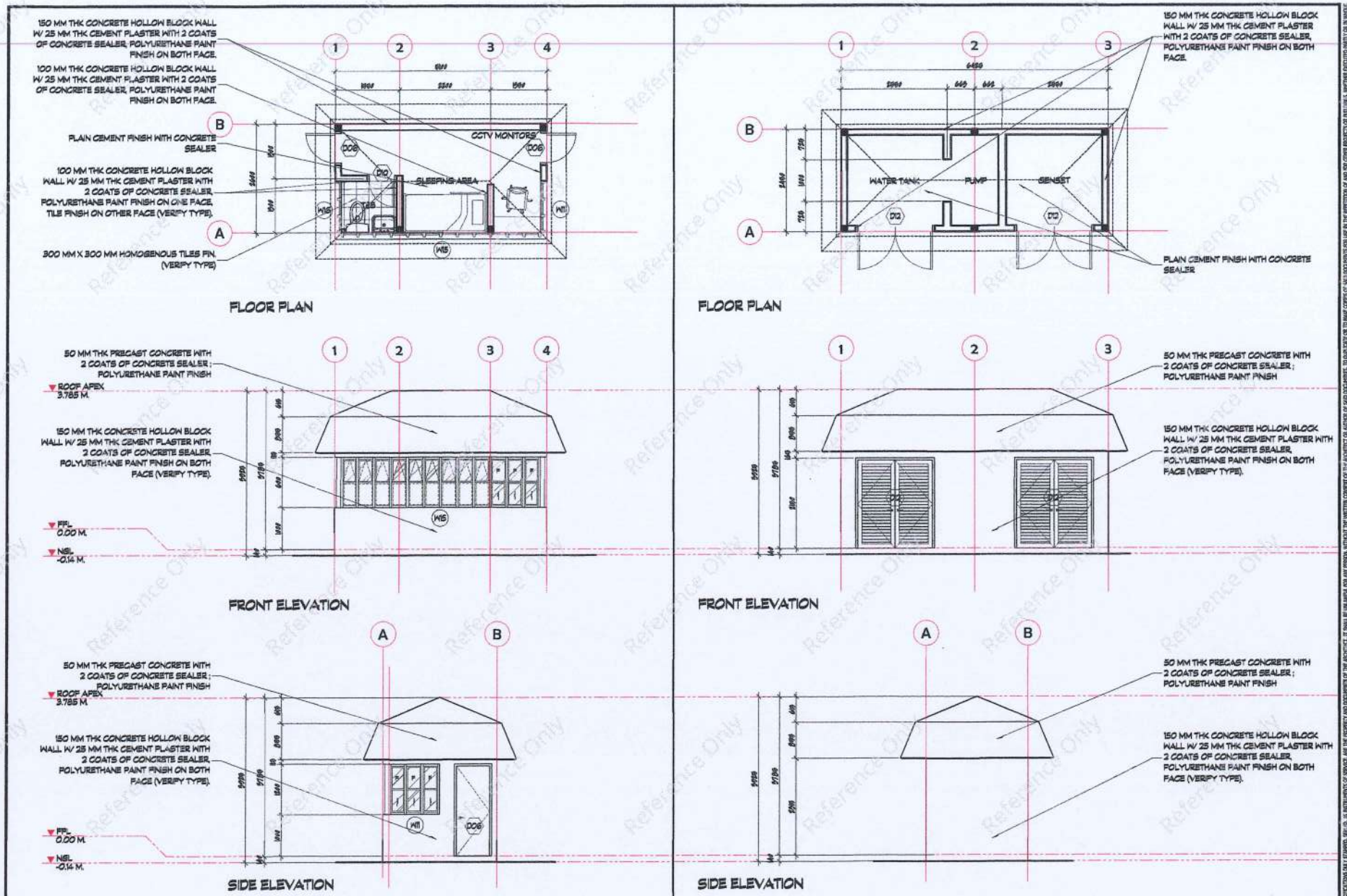

1 / A-9 GUARDHOUSE DETAILS
SCALE: 1:50 M.

2 / A-9 PUMP AND GENSET ROOM DETAILS
SCALE: 1:50 M.

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LOCATION:
BRGY. DIBACONG, CASIGURAN, AURORA, PHILIPPINES

OWNER:
MR. ALFREDO B. COLLADO

SHEET CONTENTS:
GUARD HOUSE, PUMP ROOM AND GENSET ROOM DETAILS

DATE:
MARCH 2025

DRAWN BY: ETL	CHECKED BY: FPAB

GRAPHIC SCALE:
1:50 METERS
1:100 METERS
1:150 METERS

SHEET NO.:
A-9

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Department of Environment and Natural Resources

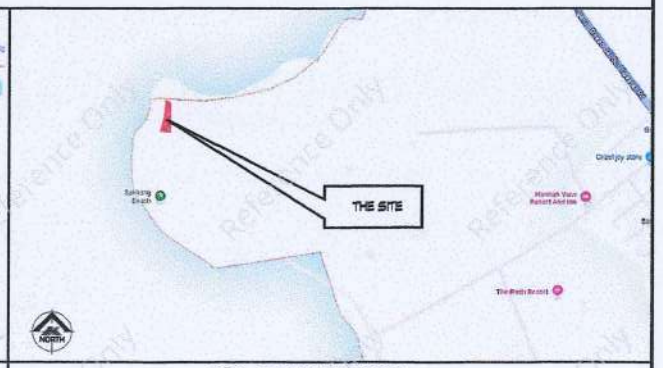
ARCHITECTURAL DESIGN

ALABEL, SARANGANI

MARINE SCIENTIFIC RESEARCH STATION

1 CS-1 **PERSPECTIVES**
SCALE: N.T.S.

2 CS-1 **VICINITY MAP**
SCALE: N.T.S.



3 CS-1 **LOCATION MAP**
SCALE: N.T.S.

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STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL

LAND USE/ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

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PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN. 08, 2025	TIN NO: 102-325-935

ISSUED AT: MAKATI CITY

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
LEBAKLIN, BRGY. KAWAS, ALABEL, SARANGANI, PHILIPPINES

OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
PERSPECTIVES
VICINITY MAP
LOCATION MAP

DATE: JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:20 METERS 0 0.20 1.00 1.20
1:50 METERS 0 0.50 1.50 2.50
1:100 METERS 0 1.00 2.00 4.00

SHEET NO.: CS-1

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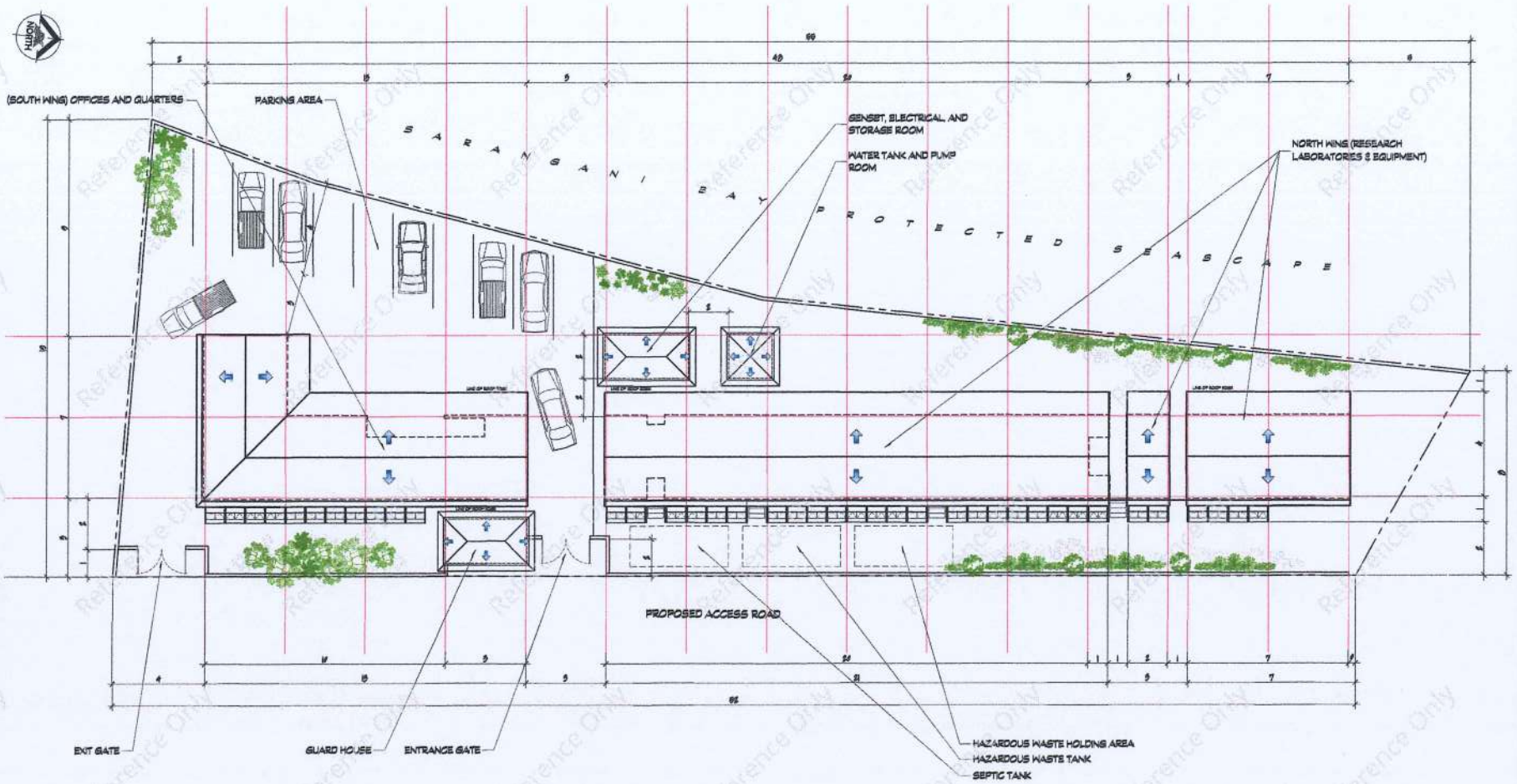

1 / A-1 SARANGANI MSRS SITE DEVELOPMENT PLAN

SCALE: 1:50M

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ATTY. FELIX S. ALICER

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

DATE: JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFAS

GRAPHIC SCALE:
1:25 METERS
1:50 METERS
1:100 METERS

SHEET NO.: A-1

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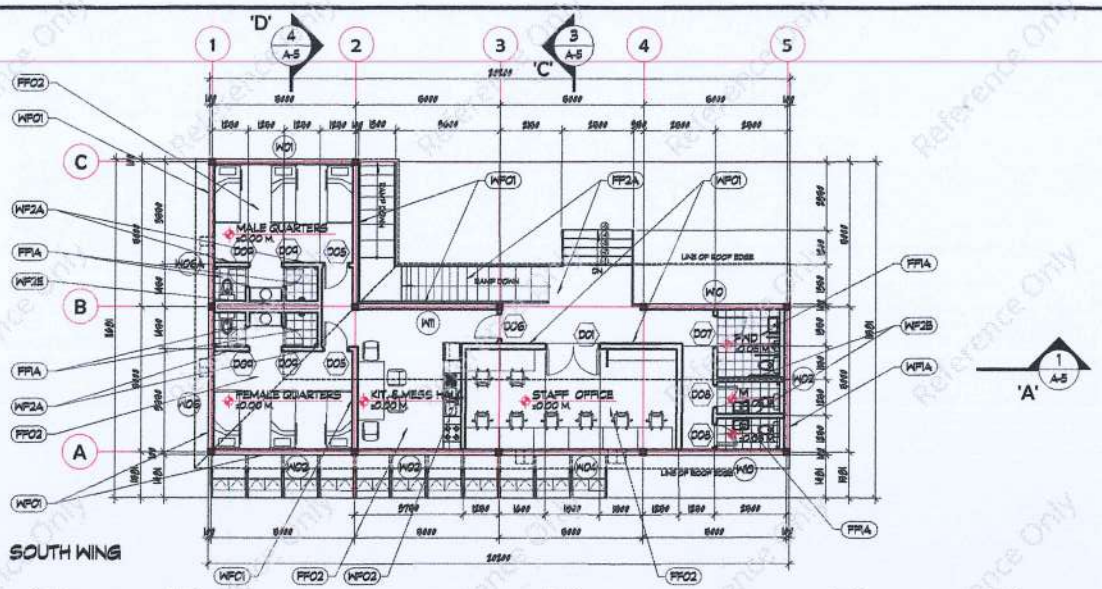

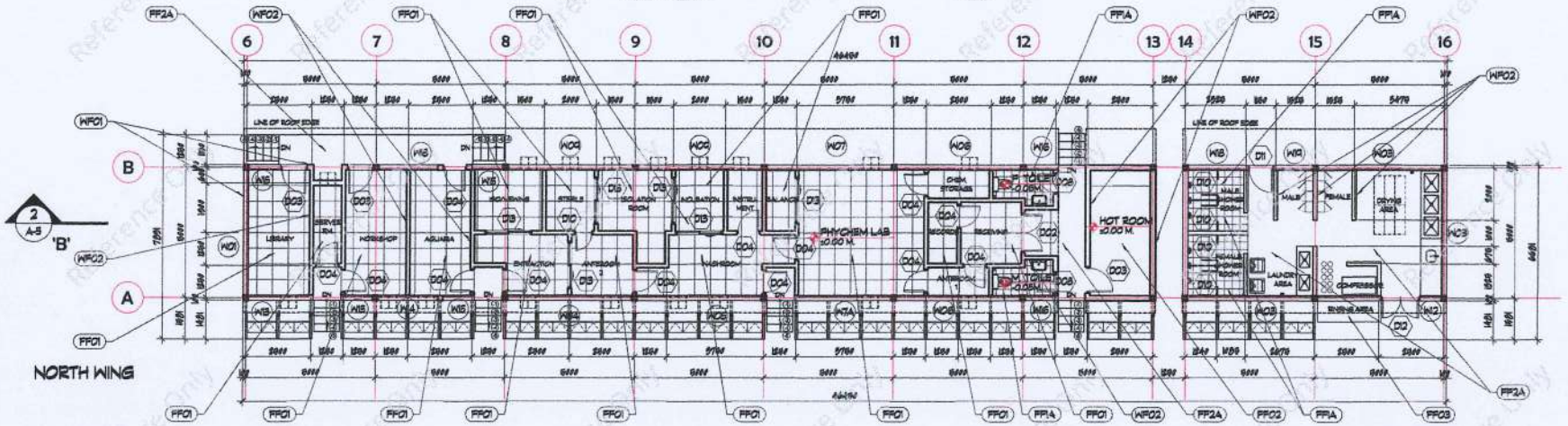

WALL FINISHES:

- WF-01 150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
- WF-1A 150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
- WF-1B 150 MM THK CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE).
- WF-02 100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
- WF-2A 100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
- WF-2B 100 MM THK CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE).
- WF-2C 275 MM THK (2-100 MM) CONCRETE HOLLOW BLOCK WALL, 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE)
- WF-2D 275 MM THK (2-100 MM) CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE)
- WF-2E 400 MM THK (2-100 MM) CONCRETE HOLLOW BLOCK WALL, TILE FINISH ON BOTH FACE (VERIFY TYPE)
- WF-03 50 MM THK PRECAST CONCRETE WITH 2 COATS OF CONCRETE SEALER ; POLYURETHANE PAINT FINISH
- WF-04 ALUMINUM COMPOSITE PANEL ON METAL FRAME
- WF-05 12 MM THK. HIGH PRESSURE LAMINATE (VERIFY TYPE)

FLOOR FINISHES:

- FF-01 600 MM X 600 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
- FF-1A 300 MM X 300 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
- FF-02 SANDED TO SMOOTH PLAIN CEMENT FINISH WITH CONCRETE SEALER & 3 COATS OF POLYURETHANE PAINT
- FF-2A PLAIN CEMENT CONCRETE FINISH
- FF-03 50MM THK RIVER STONE GRAVEL BED

1 / A-2 **NORTH AND SOUTH WING FLOOR PLAN**
SCALE : 1:100 M.

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ENGINEER

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OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
FLOOR PLAN

DATE: JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:25 METERS 0.25 0.50 0.75 1.00
1:50 METERS 0.50 1.00 2.00
1:100 METERS 0.75 1.50 3.00 4.00

SHEET NO.: A-2

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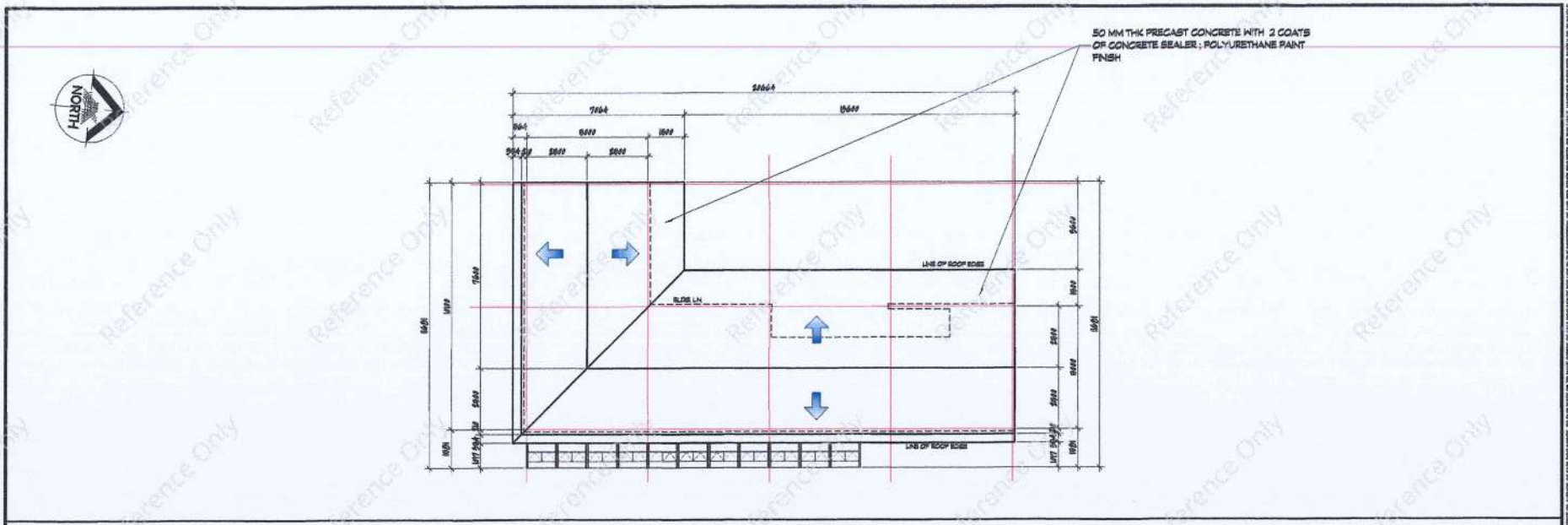
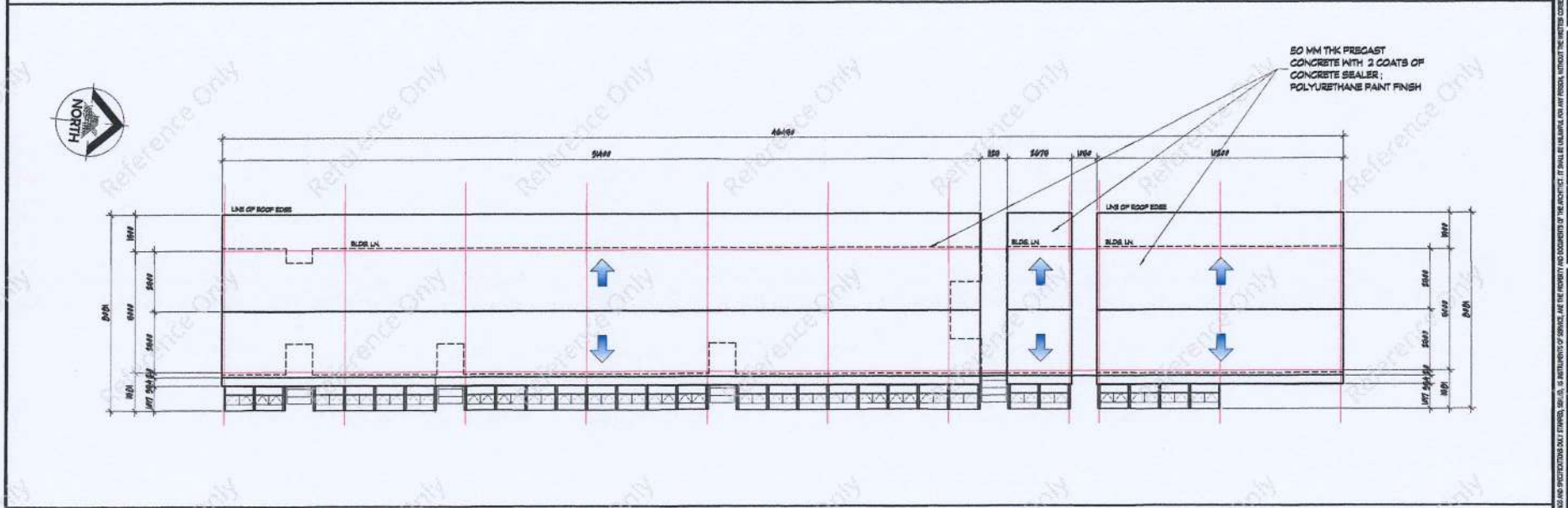


1 A-3 SOUTH WING ROOF PLAN
SCALE: 1:100 M.



2 A-3 NORTH WING ROOF PLAN
SCALE: 1:100 M.

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OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
ROOF PLAN

DATE:
JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:20 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-3

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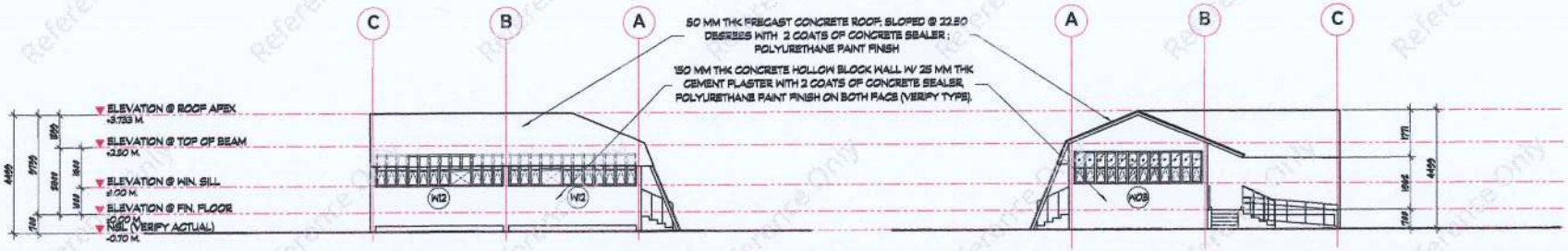
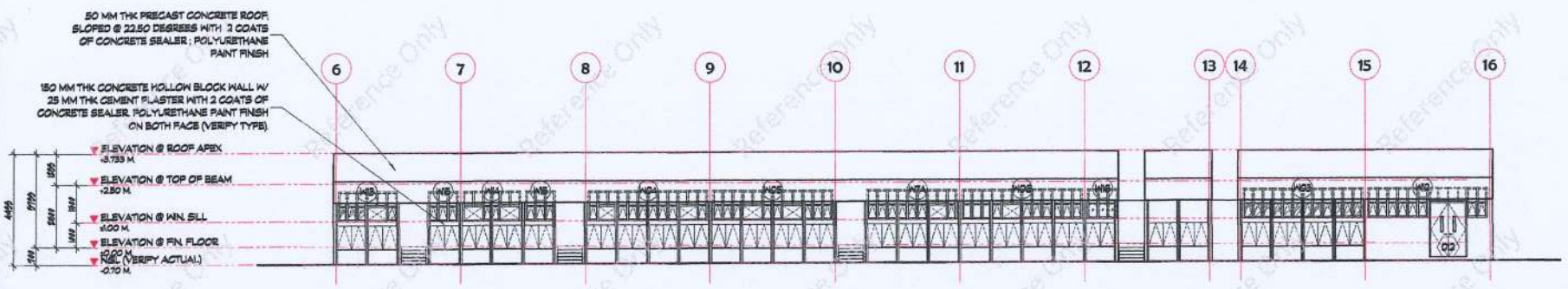
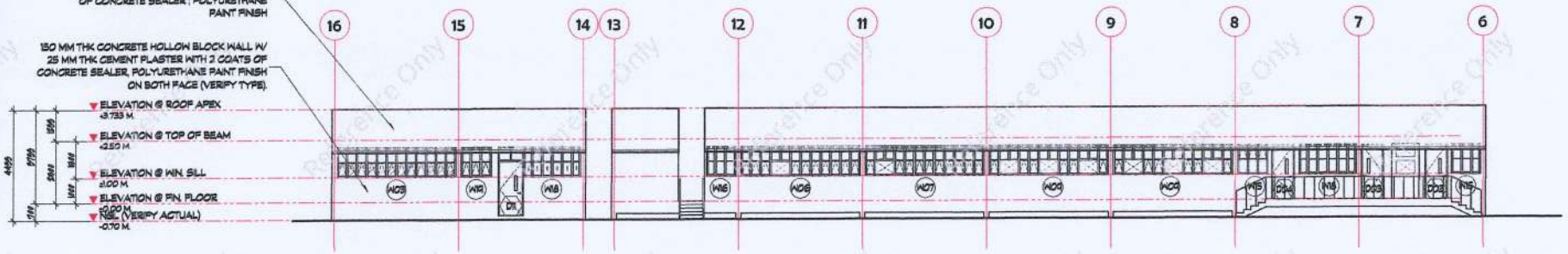


1 A-4 SOUTH WING LEFT SIDE ELEVATION
SCALE: 1:100 M.

2 A-4 NORTH WING RIGHT SIDE ELEVATION
SCALE: 1:100 M.



3 A-4 NORTH WING FRONT ELEVATION
SCALE: 1:100 M.



4 A-4 NORTH WING REAR ELEVATION
SCALE: 1:100 M.

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LOCATION:
LEBAKLIN, BRGY. KAWAS, ALABEL, SARANGANI, PHILIPPINES

OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
ELEVATIONS

DATE:
JUNE 2025

DRAWN BY: ETL	CHECKED BY: PFA3

GRAPHIC SCALE:
1:50 METERS
1:100 METERS
1:150 METERS

SHEET NO.:
A-4

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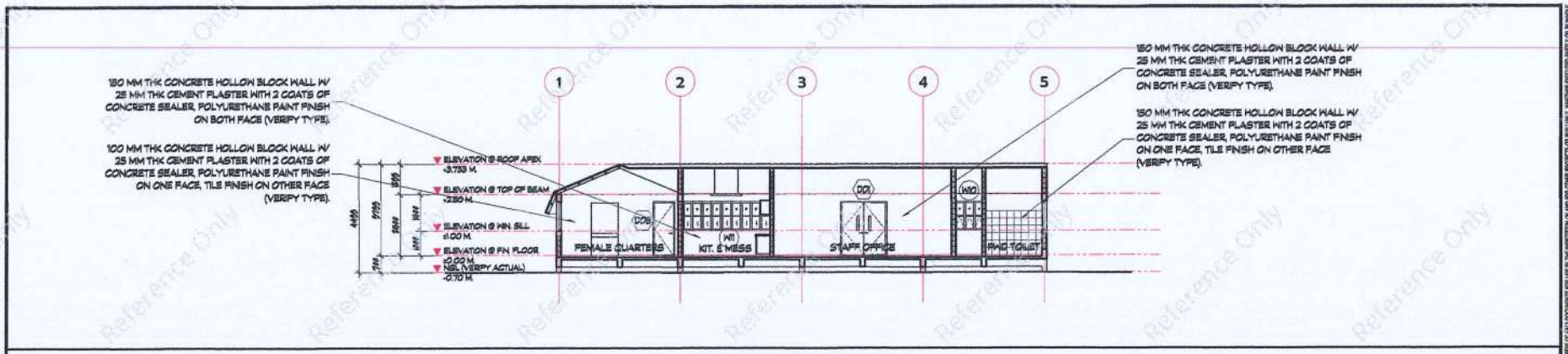

1 A-5 SECTION THRU A-A
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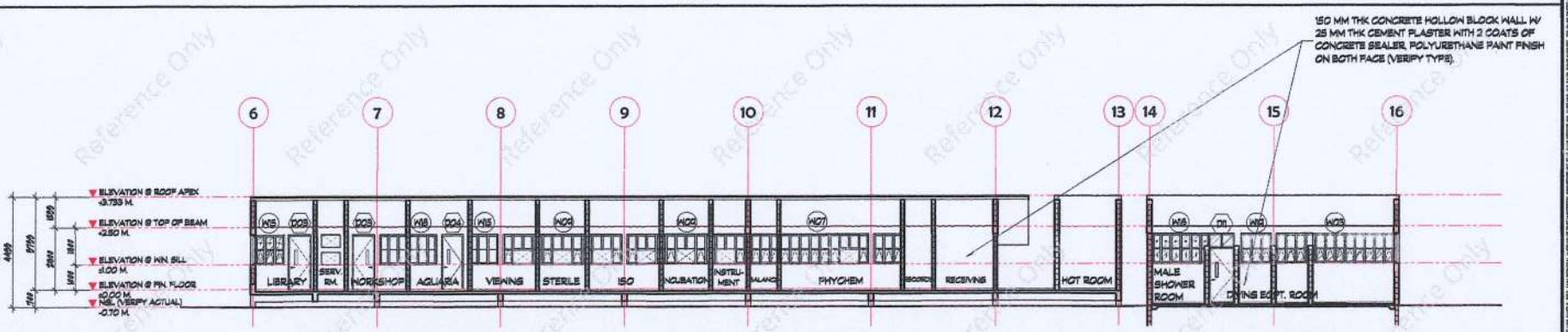
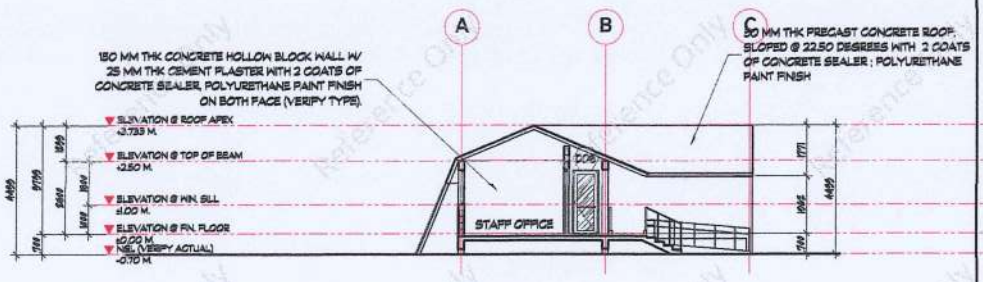
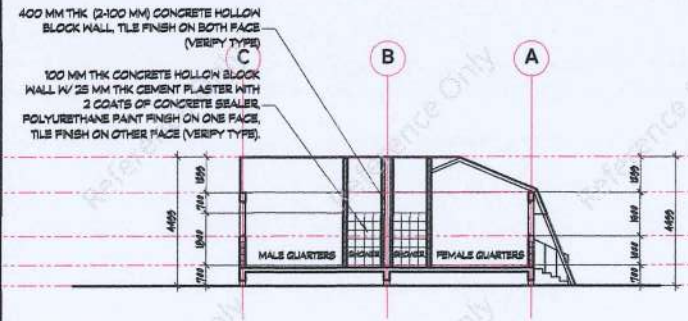


2 A-5 SECTION THRU B-B
SCALE: 1:100 M.



3 A-5 SECTION THRU C-C
SCALE: 1:100 M.



4 A-5 SECTION THRU D-D
SCALE: 1:100 M.

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ATTY. FELIX S. ALICER

SHEET CONTENTS:
SECTIONS

DATE:
JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFAS

GRAPHIC SCALE:
1:200 METERS
1:100 METERS
1:150 METERS

SHEET NO.:
A-5

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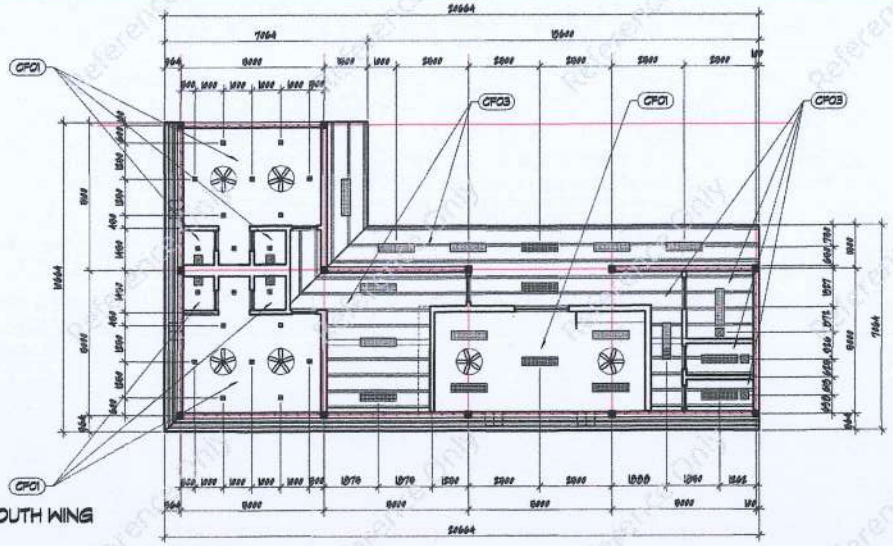
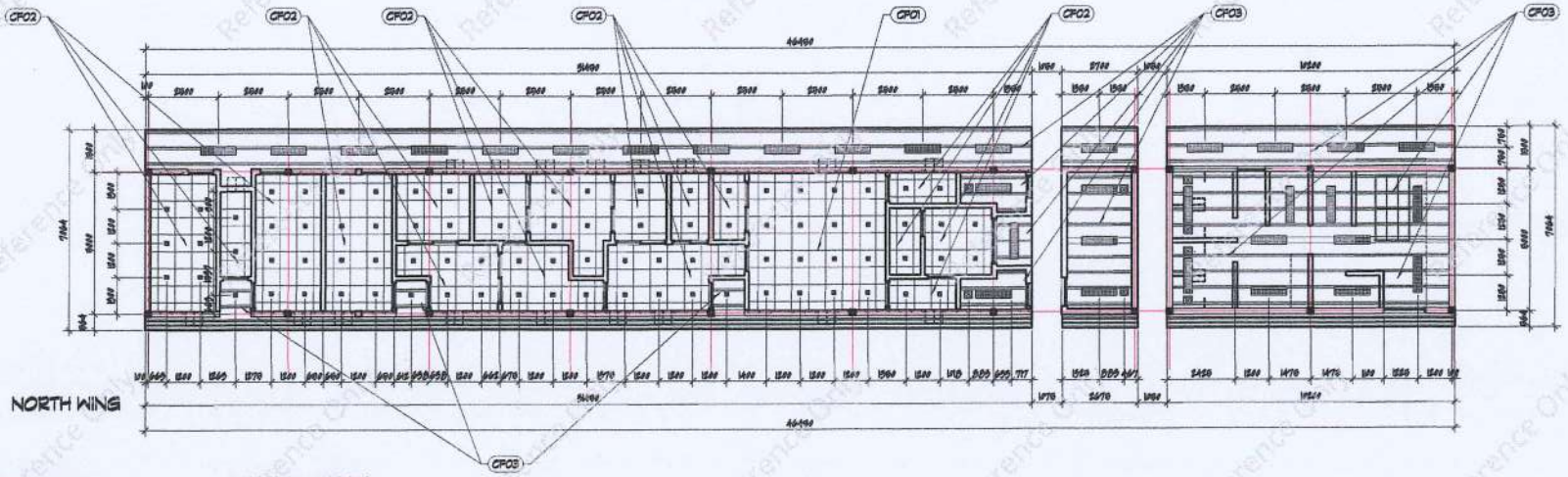


SOUTH WING



NORTH WING

CEILING FINISHES:

- CP-01 — 4.5 MM THK. FIBER CEMENT BOARD CEILING ON METAL FURRING CHANNELS, FLAT LATEX PAINT FINISH
- CP-02 — 600 X 600 MM ACOUSTIC CEILING TILE ON T-RUNNER
- CP-03 — EXPOSED UNDER ROOF CEILING

ELECTRICAL LEGEND:

- TROFFER LIGHTING FIXTURE (2-36 WATTS FLUORESCENT)
- EXHAUST FAN
- LABORATORY FUME HOOD
- 10 WATTS LED RECESSED PIN LIGHT
- OSCILLATING CEILING FAN

1 / A-6 **REFLECTED CEILING PLAN**
SCALE: 1:100 M.

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OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
REFLECTED CEILING PLAN

DATE:
JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFAJ

GRAPHIC SCALE:
1:50 METERS
1:100 METERS
1:150 METERS

SHEET NO.:
A-6

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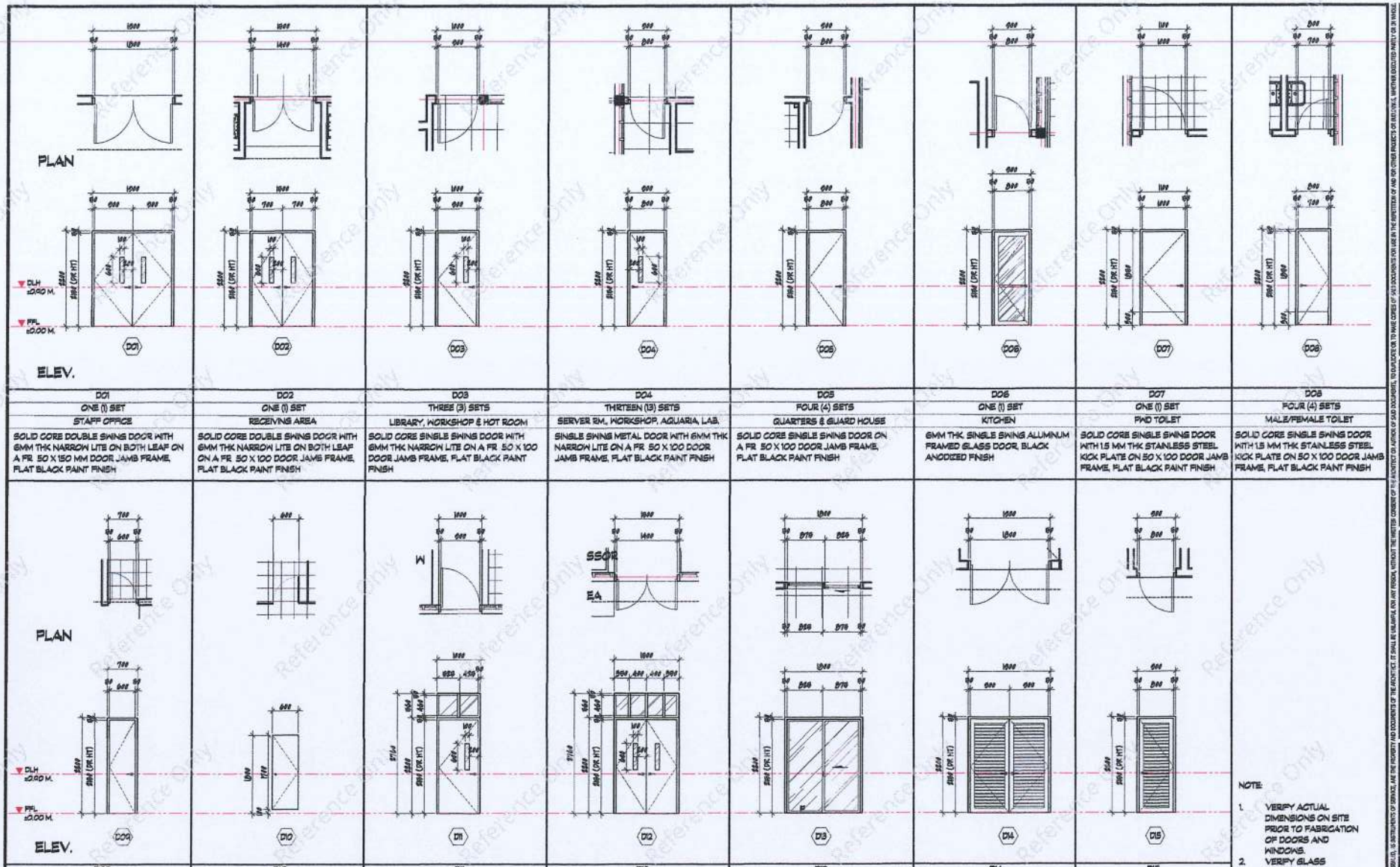

D01	D02	D03	D04	D05	D06	D07	D08
ONE (1) SET	ONE (1) SET	THREE (3) SETS	THIRTEEN (13) SETS	FOUR (4) SETS	ONE (1) SET	ONE (1) SET	FOUR (4) SETS
STAFF OFFICE	RECEIVING AREA	LIBRARY, WORKSHOP & HOT ROOM	SERVER RM., WORKSHOP, AQUARIA, LAB.	QUARTERS & GUARD HOUSE	KITCHEN	PWD TOILET	MALE/FEMALE TOILET
SOLID CORE DOUBLE SWING DOOR WITH 6MM THK NARROW LITE ON BOTH LEAF ON A FR. 50 X 150 MM DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE DOUBLE SWING DOOR WITH 6MM THK NARROW LITE ON BOTH LEAF ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SINGLE SWING METAL DOOR WITH 6MM THK NARROW LITE ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	6MM THK. SINGLE SWING ALUMINUM FRAMED GLASS DOOR, BLACK ANODIZED FINISH	SOLID CORE SINGLE SWING DOOR WITH 1.5 MM THK STAINLESS STEEL KICK PLATE ON 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 1.5 MM THK STAINLESS STEEL KICK PLATE ON 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH

D09	D10	D11	D12	D13	D14	D15
FIVE (5) SETS	FOUR (4) SETS	ONE (1) SET	ONE (1) SET	SIX (6) SETS	ONE (1) SET	TWO (2) SETS
TSB @ QUARTERS AND GUARDHOUSE	SHOWER ROOM @ EQPT./DRYING AREA	EQPT./DRYING AREA	EQPT./DRYING AREA	LABORATORES	GENSET & PUMP ROOM	STORAGE & ELEC. RM.
HOLLOW CORE SINGLE SWING DOOR ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	12MM THK HIGH PRESSURE LAMINATE (VERIFY TYPE)	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	SOLID CORE SINGLE SWING DOOR WITH 6MM THK NARROW LITE ON A FR. 50 X 100 DOOR JAMB FRAME, FLAT BLACK PAINT FINISH	6MM THK. GLASS ALUMINUM FRAMED SLIDING DOOR, BLACK ANODIZED FINISH	50 X 100 X 1.5 MM THK LOUVERED STEEL DOUBLE SWING DOOR ON 50 X 100 STEEL JAMB, FLAT BLACK PAINT FINISH	50 X 100 X 1.5 MM THK LOUVERED STEEL DOUBLE SWING DOOR ON 50 X 100 STEEL JAMB, FLAT BLACK PAINT FINISH

NOTE:

1. VERIFY ACTUAL DIMENSIONS ON SITE PRIOR TO FABRICATION OF DOORS AND WINDOWS.
2. VERIFY GLASS THICKNESS W/ THE SUPPLIER AND/OR MANUFACTURER
3. CONTRACTOR TO SUBMIT MOCK UP PRIOR TO FABRICATION OF DOORS AND WINDOWS

1 / A-7 DOORS & WINDOWS SCHEDULE

SCALE: 1:50 M.

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PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935

ISSUED AT: MAKATI CITY

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:

ISSUED AT:

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
LEBAKLIN, BRGY. KAWAS, ALABEL, SARANGANI, PHILIPPINES

OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
DOORS AND WINDOWS SCHEDULE

DATE: JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFAB

GRAPHIC SCALE:
1:25 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-7

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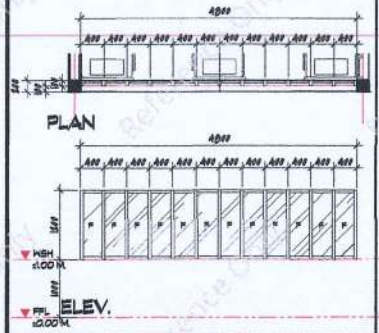
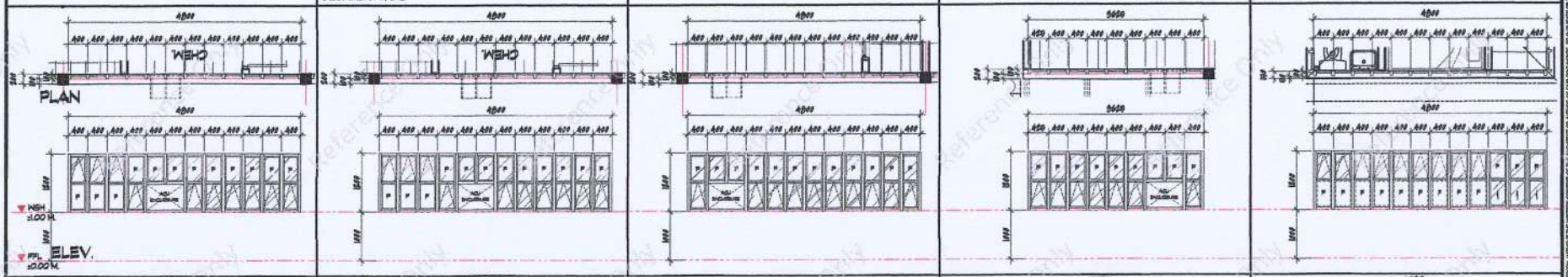
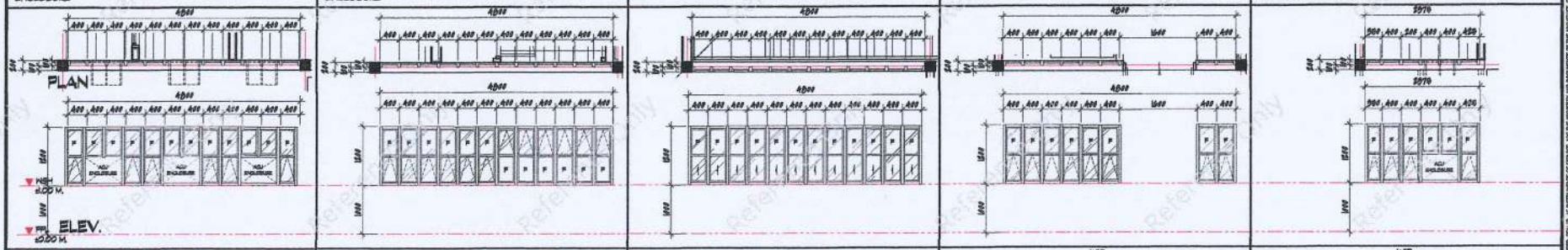


W01	W02	W03	W04	W05
TWO (2) SETS	THREE (3) SETS	THREE (3) SETS	TWO (2) SETS	ONE (1) SET
MALE QUARTERS & LIBRARY	KITCHEN & MESS HALL, FEMALE QUARTERS, AND PUBLIC TOILETS	FEMALE LOCKER ROOM, LAUNDRY & DRYING AREA	OFFICE AND LABORATORY	LABORATORY WASHROOM
6MM THK FROSTED GLASS FIXED WINDOW IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE



W06	W06A	W07	W7A	W08
THREE (3) SETS	ONE (1) SET	ONE (1) SET	ONE (1) SET	ONE (1) SET
FEMALE QUARTERS, CHEM. ROOM AND ANTE-ROOM 1	MALE QUARTERS	PHYCHEM LAB	PHYCHEM LAB	GUARDHOUSE
6MM THK CLEAR GLASS AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH FIXED BLACK ACP PANELS AND ACU ENCLOSURE	6MM THK CLEAR GLASS AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH FIXED BLACK ACP PANELS AND ACU ENCLOSURE	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE	6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE	6MM THK CLEAR GLASS AWNING AND FIXED WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANODIZED ALUMINUM FRAME



W09	W10	W11	W12	W13
TWO (2) SETS	TWO (2) SETS	ONE (1) SET	ONE (1) SET	ONE (1) SET
LABORATORY	PUBLIC TOILETS	KITCHEN & MESS HALL	EQUIPMENT AREA	LIBRARY
6MM THK CLEAR GLASS FIXED AND AWNING WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE	6MM THK CLEAR GLASS AWNING AND FIXED WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WITH FIXED WINDOW IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WITH FIXED WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE

1 / A-7A DOORS & WINDOWS SCHEDULE
SCALE: 150 M.

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PTR NO.: 10475571	REG.NO. 12396
ISSUED ON: JAN 08, 2025	TIN NO: 102-325-935
ISSUED AT: MAKATI CITY	

JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
ISSUED ON:	TIN NO:
ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
LEBAKUN, BRGY. KAWAS, ALABEL, SARANGANI, PHILIPPINES

OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
DOORS AND WINDOWS SCHEDULE

DATE:
JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFAB

GRAPHIC SCALE:
1:20 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-7A

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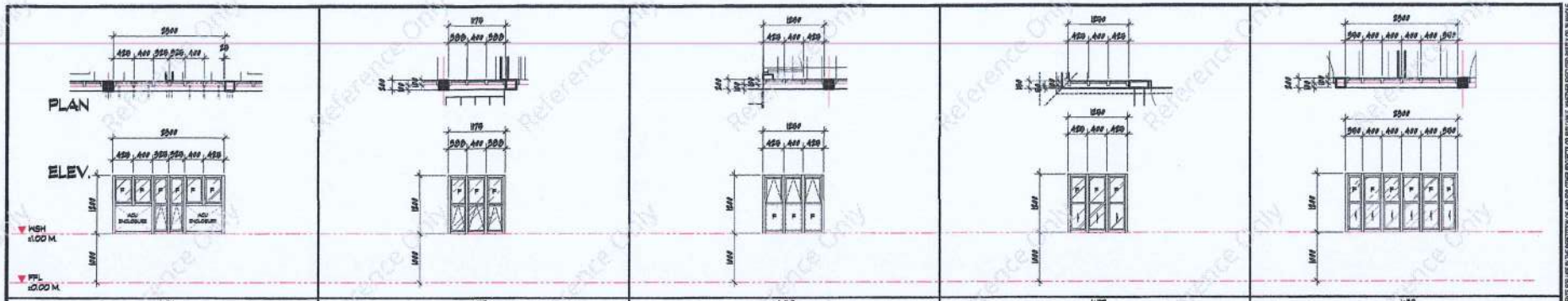
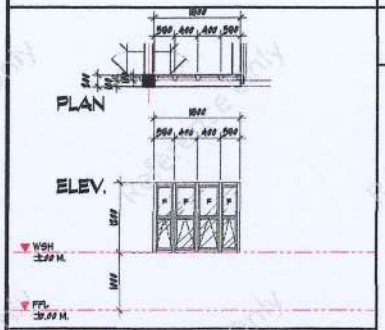
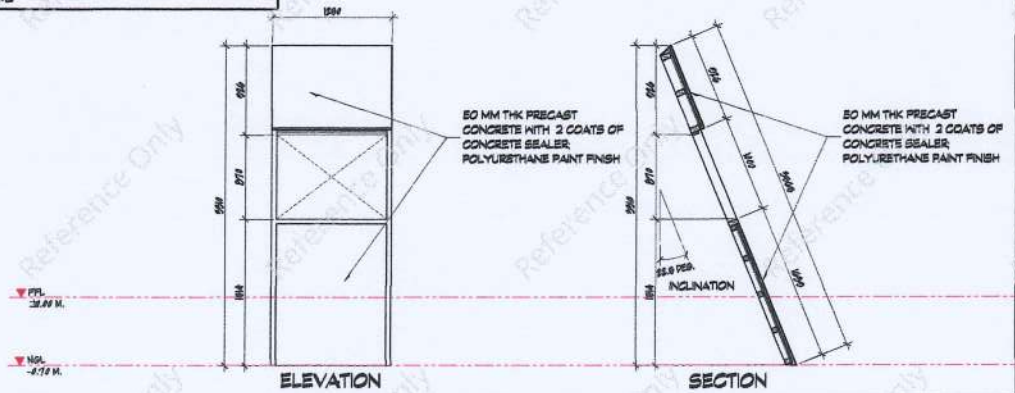


W14	W15	W16	W17	W18
ONE (1) SET	FOUR (4) SETS	THREE (3) SETS	ONE (1) SET	TWO (2) SETS
WORKSHOP & AQUARIA	LIBRARY, WORKSHOP & LABORATORY	GUARD HOUSE AND LABORATORY TOILETS	GUARD HOUSE	WORKSHOP, AQUARIA, AND MALE SHOWER ROOM
6MM THK CLEAR GLASS AWNING WITH FIXED WINDOW IN BLACK ANODIZED ALUMINUM FRAME WITH ACU ENCLOSURE	6MM THK CLEAR GLASS AWNING WITH FIXED WINDOW IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS AWNING WINDOW (TOP) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (BOT.) IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANODIZED ALUMINUM FRAME	6MM THK CLEAR GLASS SINGLE HUNG WINDOW IN BLACK ANODIZED ALUMINUM FRAME

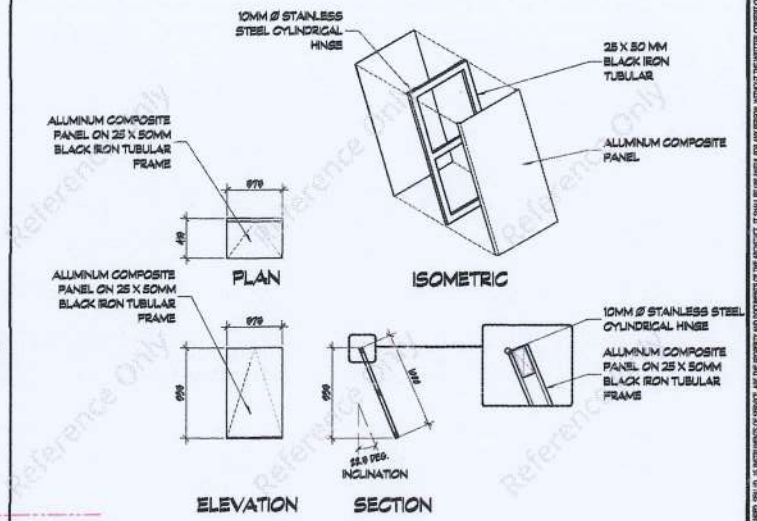
1 / A-7B WINDOWS SCHEDULE
SCALE: 1:50 M.



W19
ONE (1) SET
MALE LOCKER ROOM
6MM THK CLEAR GLASS AWNING WINDOW (BOT.) AND BLACK FIXED ALUMINUM COMPOSITE PANELS (TOP) IN BLACK ANODIZED ALUMINUM FRAME



2 / A-7B WIND DEFLECTOR DETAILS
SCALE: 1:30 M.



3 / A-7B WINDOW SHUTTER DETAILS
SCALE: 1:30 M.

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PTR NO.: 10475571	REG.NO. 12396
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JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

PTR NO.:	REG.NO.
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PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
LEBAKLIN, BRGY. KAWAS, ALABEL, SARANGANI, PHILIPPINES

OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
WINDOWS SCHEDULE WINDOWS SHUTTER, AND DEFLECTOR DETAILS

DATE: JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:20 METERS
1:50 METERS
1:100 METERS

SHEET NO.:
A-7B

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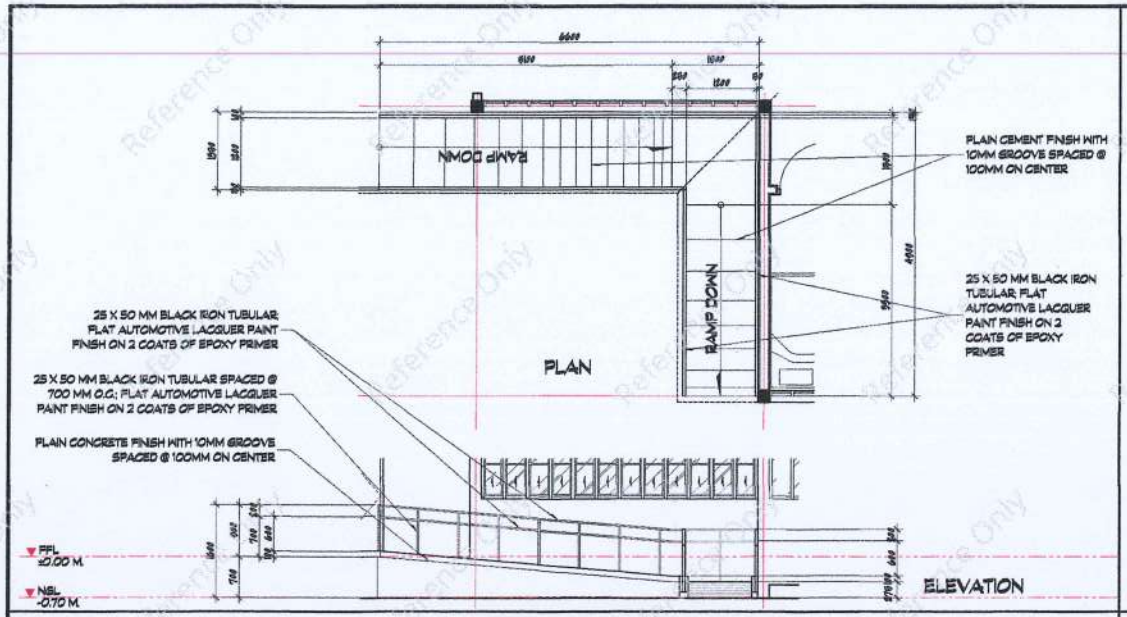
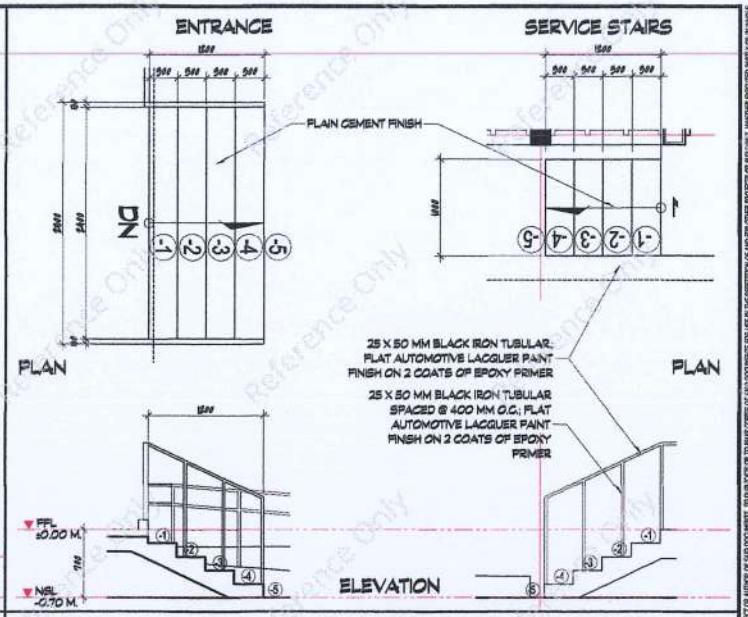
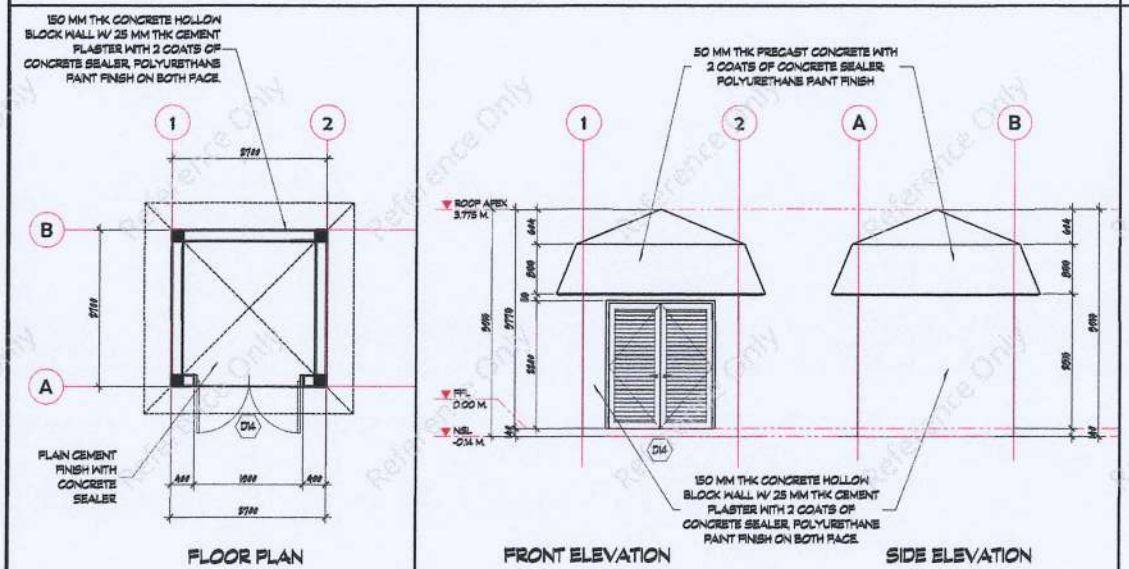


1 A-8 CONCRETE RAMP DETAILS
SCALE: 1:50 M.



2 A-8 STAIRS DETAILS
SCALE: 1:50 M.



3 A-8 PUMP ROOM DETAILS
SCALE: 1:50 M.

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JORGE MANUEL B. YULO
ARCHITECT

ENGINEER

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ISSUED AT:	

PROJECT TITLE:
PROPOSED MARINE SCIENTIFIC RESEARCH STATION

LOCATION:
LEBAKLIN, BRGY. KAWAS, ALABEL, SARANGANI, PHILIPPINES

OWNER:
ATTY. FELIX S. ALICER

SHEET CONTENTS:
RAMP AND STAIR DETAILS
PUMP ROOM DETAILS

DATE:
JUNE 2025

DRAWN BY: ETL	CHECKED BY: FFA3

GRAPHIC SCALE:
1:50 METERS
1:100 METERS

SHEET NO.:
A-8

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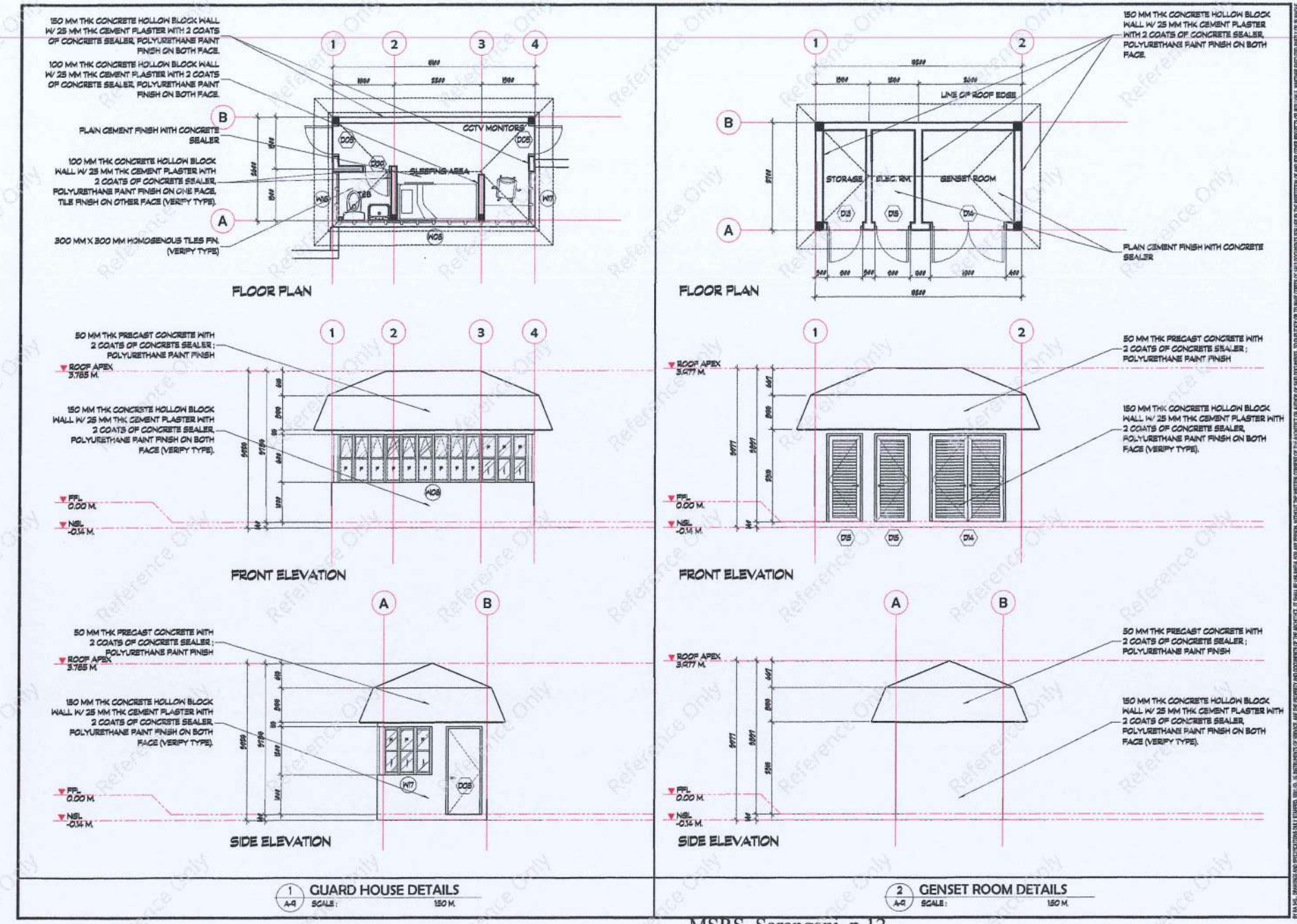
150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
PLAIN CEMENT FINISH WITH CONCRETE SEALER
100 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON ONE FACE, TILE FINISH ON OTHER FACE (VERIFY TYPE).
300 MM X 300 MM HOMOGENOUS TILES FIN. (VERIFY TYPE)
CCTV MONITORS
SLEEPING AREA
FLOOR PLAN
50 MM THK PRECAST CONCRETE WITH 2 COATS OF CONCRETE SEALER ; POLYURETHANE PAINT FINISH
ROOF APEX 3.785 M.
150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE (VERIFY TYPE).
FFL 0.00 M.
NGL -0.14 M.
FRONT ELEVATION
SIDE ELEVATION
1 GUARD HOUSE DETAILS
A-9 SCALE : 1:50 M.
150 MM THK CONCRETE HOLLOW BLOCK WALL W/ 25 MM THK CEMENT PLASTER WITH 2 COATS OF CONCRETE SEALER, POLYURETHANE PAINT FINISH ON BOTH FACE.
LINE OF ROOF EDGE
STORAGE
ELEC. RM.
GENSET ROOM
PLAIN CEMENT FINISH WITH CONCRETE SEALER
ROOF APEX 3.977 M.
2 GENSET ROOM DETAILS
A-9 SCALE : 1:50 M.
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SHEET CONTENTS: GUARD HOUSE AND GENSET ROOM DETAILS
DATE: JUNE 2025
DRAWN BY: ETL
CHECKED BY: FFA3
GRAPHIC SCALE:
SHEET NO.: A-9