PHILIPPINE BIDDING DOCUMENTS

Procurement of Repair, Rehabilitation, and Maintenance of National Educators Academy of the Philippines (NEAP) Facility (Region IV-A CALABARZON)

DEPARTMENT OF EDUCATION REGION IV-A CALABARZON

Government of the Republic of the Philippines

Project Identification Number: ROIVA-24-06

Sixth Edition July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the "Works") through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv)the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the "name of the Procuring Entity" and "address for bid submission," should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

TABLE OF CONTENTS

G	lossai	y of Terms, Abbreviations, and Acronyms	5
Se	ection	I. Invitation to Bid	8
Se	ection	II. Instructions to Bidders	11
	1.	Scope of Bid	12
	2.	Funding Information	12
	3.	Bidding Requirements	12
	4.	Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	13
	5.	Eligible Bidders	13
	6.	Origin of Associated Goods	13
	7.	Subcontracts	13
	8.	Pre-Bid Conference	13
	9.	Clarification and Amendment of Bidding Documents	14
	10.	Documents Comprising the Bid: Eligibility and Technical Components	14
	11.	Documents Comprising the Bid: Financial Component	14
	12.	Alternative Bids	15
	13.	Bid Prices	15
	14.	Bid and Payment Currencies	15
	15.	Bid Security	15
	16.	Sealing and Marking of Bids	15
	17.	Deadline for Submission of Bids	16
	18.	Opening and Preliminary Examination of Bids	16
	19.	Detailed Evaluation and Comparison of Bids	16
	20.	Post Qualification	16
	21.	Signing of the Contract	16
Se	ection	III. Bid Data Sheet	17
Se	ection	IV. General Conditions of Contract	22
	1.	Scope of Contract	23
	2.	Sectional Completion of Works	
	3.	Possession of Site	
	4.	The Contractor's Obligations	23
	5.	Performance Security	
	6.	Site Investigation Reports	

7.	Warranty	24
8.	Liability of the Contractor	24
9.	Termination for Other Causes	24
10.	Dayworks	25
11.	Program of Work	25
12.	Instructions, Inspections and Audits	25
13.	Advance Payment	25
14.	Progress Payments	25
15.	Operating and Maintenance Manuals	26
Section	V. Special Conditions of Contract	27
Section	VI. Specifications	29
Section	VII. Drawings	31
	G	
 11. Program of Work 12. Instructions, Inspections and Audits 13. Advance Payment 14. Progress Payments 		

Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid



INVITATION TO BID (ROIVA-24-06)

1. The **DEPARTMENT OF EDUCATION REGION IV-A CALABARZON**, through its Bids and Awards Committee (BAC), is inviting interested parties to bid the hereunder project:

Name of Project : **REPAIR, REHABILITATION, AND MAINTENANCE OF**

NATIONAL EDUCATORS ACADEMY OF THE PHILIPPINES (NEAP) FACILITY (REGION IV-A

CALABARZON)

Location : P. Montecer St., Malvar, Batangas

Completion of Works: One Hundred Thirty-Five (135) calendar days

- 2. The **Department of Education Region IV-A CALABARZON**, through the **NEAP FUNDS** intends to apply the sum of **TWENTY MILLION NINE HUNDRED SIXTY-SIX THOUSAND THREE HUNDRED FORTY-TWO PESOS AND 81/100 (Php20,966,342.81)**, being the Approved Budget for the Contract (ABC) to payments under the contract for Repair, Rehabilitation, and Maintenance of National Educators Academy of the Philippines (NEAP) Facility (Region IV-A CALABARZON) with Project Identification Number ROIVA-24-06. Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 3. The **Department of Education Region IV-A CALABARZON** now invites bids for the above Procurement Project. Completion of the Works is required within <u>135 calendar days</u>. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
- 4. Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
- 5. Interested bidders may obtain further information from **Department of Education Region IV-A CALABARZON**, **BAC Secretariat** and inspect the Bidding Documents at the address given below from **8:00am to 5:00pm**.
- 6. A complete set of Bidding Documents may be acquired by interested bidders on **August 8, 2024 to August 30, 2024** from given address and its website, and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Twenty-Five Thousand Pesos** (**Php25,000.00**). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.

- 7. The **Department of Education Region IV-A CALABARZON** will hold a Pre-Bid Conference¹ on **August 16, 2024 at 10:00 in the morning at DepEd Region IV-A CALABARZON, Gate 2 Karangalan Village, Cainta, Rizal**, which shall be open to prospective bidders.
- 8. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated on or before **August 30, 2024 at 8:45 in the morning**. Late bids shall not be accepted.
- 9. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
- 10. Bid opening shall be on August 30, 2024 at 9:00 in the morning at DepEd Region IV-A CALABARZON, Gate 2 Karangalan Village, Cainta, Rizal. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 11. The **Department of Education Region IV-A CALABARZON** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 12. For further information, please refer to:

JOCELYN L. MARTIN

BAC, Secretariat

DepEd Region IV-A Calabarzon, Gate 2 Karangalan Drive, Cainta, Rizal

Email add: bac.calabarzon@deped.gov.ph

Cel. No. 09175361866

13. You may visit the following websites:

For downloading of Bidding Documents: https://depedcalabarzon.ph/bid-documents
OR go to depedcalabarzon.ph, on the menu, go to Transparency > Bid Documents

August 1, 2024

(sgd) LOIDA N. NIDEA

BAC Chairperson

May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **DEPED REGION IV-A CALABARZON** invites Bids for the procurement of **REPAIR**, **REHABILITATION**, **AND MAINTENANCE OF NATIONAL EDUCATORS ACADEMY OF THE PHILIPPINES** (**NEAP**) **FACILITY** (**REGION IV-A CALABARZON**), with Project Identification Number **ROIVA-24-06**.

The Procurement Project (referred to herein as "Project") is composed of ONE (1) LOT, the details of which are described in Section I (Invitation to Bid), Section VI (Schedule of Requirements), and Section VII (Technical Specifications).

2. Funding Information

- 2.1. The GOP through the *Income Generated from the National Educators Academy of the Philippines (NEAP) of the DepEd Regional Office IV-A CALABARZON* and *Sub-ARO* (OSEC-4A-24-1806) in the total amount of TWENTY MILLION NINE HUNDRED SIXTY-SIX THOUSAND THREE HUNDRED FORTY-TWO PESOS AND 81/100 (Php20,966,342.81).
- 2.2. The source of funding are: Income Generated from the National Educators Academy of the Philippines (NEAP) of the DepEd Regional Office IV-A CALABARZON and Sub-ARO (OSEC-4A-24-1806).

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address **DepEd Region IV-A CALABARZON**, **Gate 2 Karangalan Village**, **Cainta**, **Rizal** as indicated in paragraph 7 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. Payment of the contract price shall be made in:
 - a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until *120 calendar days*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 8 of the **IB**.

18. Opening and Preliminary Examination of Bids

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 10 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "passed" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause							
	Б 41.	, , , ,	4 4 D 1 4 C 1	, , 1 . 1 . 1			
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be Repair , Rehabilitation and Maintenance of Vertical Infrastructure Projects with Upgrading/Installation of Electrical System.						
	Completed Confifty percent (50 prices using the	ntract (SLCC) that 0%) of the ABC ac	ience of having completed is similar to this Project, eddjusted, if necessary, by the ept under conditions proving RA No. 9184.	quivalent to at least e Bidder to current			
7.1	Subcontracting	is not allowed.					
10.3	and Allowable of joint venture and cost of the	Range for the Coses, a valid special	stration particulars SP-EE t of Contract (ARCC) is re PCAB License, and regist Project. Any additional t d in the BDS .	equired, and in case tration for the type			
10.4	The key personnel must meet the required minimum years of experience set below:						
	Key Staff	Educational Qualification	Experience	Training			
	Electrical	Bachelor's	At least ten (10)	24 hours of			
	Engineer	Degree in	years' experience	relevant training			
	(Professional	Electrical	as a Registered	Tele valle training			
	and	Engineering	Electrical Engineer and				
	Registered)		two (2) years'				
	8		experience as				
			Professional Electrical				
			Engineer in the				
			construction/ design				
			engineering				
	Civil	Bachelor's	At least five (5)	24 hours of			
	Engineer/	Degree in	years' experience	relevant training			
	Architect	Architecture or	as Site Engineer/				
	(Registered)	Civil	Architect in the				
	General	Engineering At least High	Construction industry At least five (5)	16 hours of			
	Foreman	At least High School	years' experience	relevant training			
	1 Oroman	Graduate	as General Foreman	Toto vanit training			
		Sindanio	in the				
			construction industry				
	Safety	At least High	At least five (5)	Valid			
	Officer	School	years' experience	Construction			
		Graduate	as Safety Officer				

in the	and
construction industry	Occupational
	Safety and
	health
	(COSH)
	Certificate of
	Training issued
	by
	Department of
	Labor and
	Employment
	(DOLE)

Construction Key Personnel:

• One (1) Registered Civil Engineer/ Architect, One (1) Professional Electrical Engineer, One (1) General Foreman, One (1) Safety Officer

Non-Key Staff	Educational Qualification	Experience	Training
Master Electrician (Registered)	At least High School Graduate	At least five (5) years' experience as Master Electrician the construction industry	8 hours of relevant training
Master Plumber (Registered)	At least High School Graduate	At least five (5) years' experience as Master Plumber the construction industry	8 hours of relevant training
Welder	At least High School Graduate	At least one (1) year year experience	8 hours of relevant training
Scaffolder	At least High School Graduate	At least one (1) year year experience	8 hours of relevant training
Others (i.e. Mason, Carpenter, Painter, Steelman)	None required	At least one (1) year year experience	None required

Non-key Personnel:

• One (1) Registered Master Electrician, One (1) Registered Master Plumber, Welder, Mason, Carpenter, Painter, Scaffolder, Plumber, Steelman

10.5	The minimum major eq	uipment requirements are the fo	llowing:				
	Equipment	Capacity	Number of Units				
	One-Bagger Mixer	350 Liters with Gas Engine	1				
	Welding Machine	300 Amps	2				
	Bar Cutter	up to 16mm Diameter Steel Bar	1				
	Pipe threader	1/4" - 2"	1				
	PPR Fusion Weld	1/2" - 2-1/2"	1				
	Hydraulic Pressure Test Pump	Tank Capacity: 4.5 Liters Maximum Pressure: 300 psi / 5.0 (50) Mpa (kg/cm2)	1				
	Jack Hammer	Power: 1,240 Watts Full-load Impact Rate: 1,400/min.	2				
	 Proof of Ownersh Lease of Agreementhe Lessor. Purchase Agreementh 	ent should be supported by proof cip ent between lessor and lessee and ent between the Bidder and the cipment from the vendor for the	Proof of Ownership of owner. Certification of				
12	Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawing and specifications. Unless there is a value engineering clause in the BDS alternative Bids shall not be accepted.						
15	Bidder shall submit hard copies of their proposals manually in three se (original, copy 1, and copy 2)						
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than Four Hundred Nineteen Thousand Three Hundred Twenty-Six Pesos and 86/100 (Php419,326.86), two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;						
	b. The amount of not less than One Million Forty-Eight Thousand Three Hundred Seventeen Pesos and 14/100 (Php1,048,317.14), five percent (5%) of ABC if bid security is in Surety Bond.						

20	Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the BDS .
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and Scurve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.

Section IV. General Conditions of Contra	Section IV.	General	Conditions	of	Contract
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1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract** (**SCC**), references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

- 3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the SCC, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.
 - 3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

- 11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.
- 11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the **SCC.**
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the SCC from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
4.1	The NEAP through the Chief of HRDD shall give possession of the site to the Contractor upon receipt of NTP.
6	The prospective bidder/s shall submit a certificate of site inspection signed by the Dorm Manager and shall form part of the Technical Documents.
7.2	The warranty against defects/failures, except those force majeure damages shall cover a period of five (5) years.
10	No dayworks are applicable to the contract.
11.1	The Contractor shall submit the Program of Works to the Procuring Entity's Representative within five (5) calendar days from receipt of the Notice of Award.
13	The amount of the advance payment is 15% of the total contract price and schedule of payment.
	The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum.
	The advance payment shall be made only upon the submission to and acceptance by the procuring entity of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the procuring entity.
	The advance payment shall be repaid by the contractor by deducting fifteen percent (15%) from his periodic progress payments a percentage equal to the percentage of the total contract price used for the advance payment.
	The contractor may reduce his standby letter of credit or guarantee instrument by the amounts refunded by the Monthly Certificates in the advance payment.
14	Request for payments by the contractor will be made only for the actual accomplishment, which will be subdivided into progress percentage evaluated and certified by the End-User through the Regional Engineer as performed by the contractor in accordance with the plans, specification and Program of Works/Construction Schedule.
15.1	The "as built" drawings shall be submitted in hard and e-copies within 7 days prior to the request of final billing.

Section VI. Specifications

Notes on Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for goods, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the SCC.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A

CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: B.1

Description: Fire Safety Inspection Certificate (FSIC)

Quantity: 1.00 Output: 1.00 Unit: lot

A.					Unit: le	ot
Sub-Total (Labor) Php	A	Designation of Personnel			1	Amount
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount		Designation of 1 croomies	Person	Hours	Rate	Amount
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount						
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount						
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount						
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount						
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount						
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount						
B. Name / Capacity (Equipment) No. of Units Hours Rate Amount		Sub Total (Labor)			Dhe	
Name / Capacity (Equipment) Units Hours Rate Amount		Sub-10tai (Labor)	No of	No of		-
Sub-Total (Equipment)	В.	Name / Capacity (Equipment)				Amount
C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit			Units	nours	Rate	
C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit						
C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit						
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C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit						
C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit						
C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit						
C. Name / Specification (Materials) Unit Quantity Cost Amount Php Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (Ocm) Contractor's Profit		Sub-Total (Equipment)	ļ		Php	-
C. Name / Specification (Materials) Dit Quantity Cost Amount Cost Amount Cost Cost				• • • • • • • • • • • • • • • • • • • •		
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php	C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
D.Direct Cost (A+B+C)PhpE.Overhead, Contingencies and Miscellaneous (Ocm)0% of D.F.Contractor's Profit0% of D.G.Value Added Tax (VAT)5% of (D+E+F)H.Adjusted Total Cost (D+E+F+G)Php						
E. Overhead, Contingencies and Miscellaneous (Ocm) F. Contractor's Profit G. Value Added Tax (VAT) H. Adjusted Total Cost (D+E+F+G) O% of D. 5% of (D+E+F) Php		Sub-Total (Materials)			Php	
F. Contractor's Profit 0% of D. G. Value Added Tax (VAT) 5% of (D+E+F) H. Adjusted Total Cost (D+E+F+G) Php						
G. Value Added Tax (VAT) 5% of (D+E+F) H. Adjusted Total Cost (D+E+F+G) Php	E.		n)			
H. Adjusted Total Cost (D+E+F+G) Php	F.	Contractor's Profit			0% of D.	
H. Adjusted Total Cost (D+E+F+G) Php						
H. Adjusted Total Cost (D+E+F+G) Php	G.	Value Added Tax (VAT)			5% of (D+E+F)	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: : Cainta, Rizal

Item: B.2

Description: Security/ Bill Deposit

Quantity: 1.00 Output: 1.00 Unit: Ls

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total (Equipment)			Php	-
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Security/ Bill Deposit	1	1.00		
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (Ocm)		0% of D.	
F.	Contractor's Profit			0% of D.	
G.	Value Added Tax (VAT)			5% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: B.3

Description: Equipment Testing and Commissioning

Quantity: 1.00 Output: 1.00 Unit: Ls

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Sub-Total (Labor)	1	1	Php	_
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub Total (Favinment)	Php			
	Sub-Total (Equipment)			Unit	
C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount
	Equipment Testing and Commissioning	1	1.00		
	Sub-Total (Materials)	1		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (Ocm)			0% of D.	
F.	Contractor's Profit			% of D.	
1.				E0/ C/D D D)	
G.	Value Added Tax (VAT)			5% of (D+E+F)	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A

CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: SPL 1

Description: Project Billboard

Quantity: 1.00 Output: 1.00 Unit: Each

	Unit: Each						
A.	Designation of Personnel	No. of	No. of	Hourly	Amount		
		Person	Hours	Rate	Amount		
	Construction Foreman	1	4.00				
	Skilled Laborer	1	4.00				
	Unskilled Laborer	1	4.00				
	Sub-Total (Labor)		Php				
В.	Name / Capacity (Equipment)	No. of	No. of	Hourly	Amount		
	, 1 , 1 ,	Units	Hours	Rate			
	 Sub-Total (Equipment)			Php			
			Unit				
C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount		
		1					
	8' x 8' Tarpaulin, 1 set	sq ft	64.00				
	Rough Lumber, Sun Dried, Hardwood	bd.ft	29.33				
	CWN, Assorted	kg	0.50				
	ewii, rissorted	ng	0.50				
	Sub-Total (Materials) Php						
D.	Direct Cost (A+B+C)						
Ε.	Overhead, Contingencies and Miscellaneous (Od	Php % of D.					
F.	Contractor's Profit						
G.	Value Added Tax (VAT)						
	Value Added Tax (VAT) 5% of (D+E+F)						
п	Adjusted Total Cost (D+E+F+G) Php						
	Adjusted Unit Cost (H/Quantity)						
1.	majasica omi cost (11/Quantity)						

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: SPL 2

Description: Construction Safety and Health

Quantity: 4.50 Output: 1.00

			Unit: Month				
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount		
	Safety Officer	1	1000 00				
	First Aider	$\begin{bmatrix} 1 \\ 1 \end{bmatrix}$	1080.00 1080.00				
	First Aider		1080.00				
	Sub-Total (Labor)	Php	Php				
_		No. of	No. of				
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount		
	 Sub-Total (Equipmen	 t)		Php	-		
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount		
	First Aid Kit	Ls	1				
	 Personal Protective equipment (PPE)						
	Safety Helmet	man - days	20				
	Safety Shoes	man - days	20				
	Safety Gloves	man - days	50				
	Signages and Barricades						
	PPE Signage (4' x 8')	set	1				
	Safety First (4' x 4')	set	1				
	Warning Signs (2' x 3')	set	2				
	Caution Tape, 100 ft	roll	5				
	Sub-Total (Materials)		Php			
D.	Direct Cost (A+B+C)			Php			
E.	Overhead, Contingencies and Miscellaneous (Ocm) 0% of D.						
F.	Contractor's Profit						
	Value Added Tax (VAT)			% of D. 5% of (D+E+F)			
	Adjusted Total Cost (D+E+F+G)			Php			
I.	Adjusted Unit Cost (H/Quantity)			Php			

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A

CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: C.1

Description: Mobilization and Demobilization

				Unit:	Ls
Α.	Designation of Personnel	No. of	No. of	Hourly	Amount
Α.	Designation of Personner	Person	Hours	Rate	Amount
	Construction Foreman	1	32.00		
	Skilled Laborer	1	32.00		
	Unskilled Laborer	4	32.00		
	Highly Skilled Operator	1	32.00		
				D1	
	Sub-Total (Labor)	37 6		Php	
В.	Name / Capacity (Equipment)	No. of	No. of	Hourly	Amount
		Units	Hours	Rate	
	0.161 1: 70 1 1 4		22		
	Self Loading Truck and Accessories	1	32		
	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit	Amount
Ċ.	Name / Specification (materials)	Onit	Qualitity	Cost	Amount
	Sub-Total (Materials)			Php	
	Direct Cost (A+B+C)			Php	
Е.	Overhead, Contingencies and Miscellaneous (Ocr	n)		0% of D.	
F.	Contractor's Profit			0% of D.	
G.	Value Added Tax (VAT)		Į	5% of (D+E+F)	
	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 20 (a)

Description: **Manual Soil Excavation**

> **Quantity:** 108.88 Output per hour: 0.83

				Unit: cu.m	
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	131.18		
	Unskilled Laborer	4	131.18		
	Sub-Total (Labor)	•		Php	50,357.43
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total (Equipment)		Php	
				DI	
C.		Unit	0	Unit	Amount
C.	Name / Specification (Materials)	Onit	Quantity	Cost	Amount
	Sub-Total (Materials)	ļ		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OC	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 1 (a)

Description: Clearing and Grubbing

Quantity: 45.28 Output per hour: 40.00 Unit: sq.m

No. of Hourly A. **Designation of Personnel** Amount Person Rate Construction Foreman 1 Unskilled Laborer 2 284.62 Php Sub-Total (Labor) Hourly No. of B. Name / Capacity (Equipment) Amount Units Rate Sub-Total (Equipment) Php Unit C. Name / Specification (Materials) Unit Amount Cost Sub-Total (Materials) Php D. Direct Cost (A+B+C) Php Overhead, Contingencies and Miscellaneous (OCM) E. % of D. % of D. F. Contractor's Profit Value Added Tax (VAT) 5% of (D+E+F) G. Adjusted Total Cost (D+E+F+G) H. Php Adjusted Unit Cost (H/Quantity) Php

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 1 (c)

Description: Backfilling of Excavated Materials

Quantity: 101.99

Output per hour: 9.84

Unit: cu.m

			20	Unit: c	u.m
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	10.36		
	Unskilled Laborer	3	10.36		
	Sub-Total (Labor)			Php	
в.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Plate Compactor (5hp)	1,	7.77		
	Sub-Total (Equipment)		10 40	Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Select Fill (with 20% Compaction Factor)	cu.m	101.99		
	Sub-Total (Materials)	iji	19	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OC	M)		% of D.	
F.	Contractor's Profit	_		% of D.	
G.	Value Added Tax (VAT)		5	5% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 1 (d)

Description: Gravel Bedding

Quantity: 20.73 Output per hour: 1.20

Unit: cu m

				Unit: c	um
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	17.28		
	Unskilled Laborer	3	17.28		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Plate Compactor (5hp)	1	8.64		
	Sub-Total (Equipmen	t)		Php Unit	
C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount
	Gravel Bedding G-1 (with 5% Shrinkage Factor)	cu.m	21.77		
	Sub-Total (Materials)		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (O	CM)		% of D.	
F.	Contractor's Profit	***		% of D.	
G.	Value Added Tax (VAT)			5% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 2(a)

Description: Demolition of Reinforced Concrete

Quantity: 33.34 Output per hour: 0.682 Unit: cu m

No. of No. of Hourly A. **Designation of Personnel** Amount Person Hours Rate Construction Foreman 48.89 1 Skilled Laborer 2 48.89 Unskilled Laborer 4 48.89 Sub-Total (Labor) Php Hourly No. of No. of B. Name / Capacity (Equipment) Amount Units Hours Rate Jack Hammer Drill 48.89 2 Electric Grinder 2 48.89 Sub-Total (Equipment) Php Unit C. Unit Name / Specification (Materials) Quantity Amount Cost Sub-Total (Materials) Php D. Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (OCM) % of D. F. Contractor's Profit % of D. Value Added Tax (VAT) 5% of (D+E+F) G. Adjusted Total Cost (D+E+F+G) H. Php Adjusted Unit Cost (H/Quantity) Php

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 2 (b)

Description: Structural Concrete (Footing and Slab on Fill) - 3000psi

Quantity: 46.78 Output per hour: 0.36

Unit: cu m

No. of No. of Hourly A. **Designation of Personnel** Amount Person Hours Rate Construction Foreman 1 131.05 131.05 Skilled Laborer 1 Unskilled Laborer 131.05 4 Sub-Total (Labor) Php No. of No. of Hourly B. Name / Capacity (Equipment) Amount Units Hours Rate One - bagger Mixer 131.05 1 Concrete Vibrator 131.05 1 Sub-Total (Equipment) Php Unit C. Name / Specification (Materials) Unit Quantity Amount Cost Portland Cement 455.00 bag Washed Sand cu.m. 26.10 Crushed Gravel 3/4" 50.70 cu.m. Sub-Total (Materials) Php D. Direct Cost (A+B+C) Php Overhead, Contingencies and Miscellaneous (OCM) E. % of D. % of D. F. Contractor's Profit Value Added Tax (VAT) 5% of (D+E+F) G. H. Adjusted Total Cost (D+E+F+G) Php Adjusted Unit Cost (H/Quantity) I. Php

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

2 (c) Item:

Description:

Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam) - 3000psi

6.27 Quantity: 0.27 Output per hour:

	7	¥		Unit:	cu.m
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	23.22		
	Skilled Laborer	1	23.22		
	Unskilled Laborer	4	23.22		
	Sub-Total (Labor)	6		Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	One - bagger Mixer	1	131.05		
	Concrete Vibrator	1	131.05		
	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Portland Cement	bag	62.00		
	Washed Sand	cu.m.	3.80		
	Crushed Gravel 3/4"	cu.m.	7.00		
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCI	M)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		59	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project:

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 2 (h)

Description: Ramp on Fill - 3000psi

> 2.07 Quantity: Output per hour: Unit: cu m 0.36

				Unit:	cu m
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	5.79		
	Skilled Laborer	1 1	5.79		
	Unskilled Laborer	4	5.79		
	Unskilled Laborer	4	5.79		
	Sub-Total (Labor)		l:	Php	
2000	N / Git /Fit)	No. of	No. of	Hourly	(A)()
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	Concrete Vibrator	1	5.79		
c.	Sub-Total (Equipment) Name / Specification (Materials)	Unit	Quantity	Php Unit Cost	Amount
	as: 0:00 Fd50000 V	020	2000 2000		
	Portland Cement	bag	21.00		
	Washed Sand	cu.m.	1.20		
	Crushed Gravel 3/4"	cu.m.	2.30		
	Sub-Total (Materials)	Salt	L L	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCI	M)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		59	% of (D+E+F)	
н.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project : REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 21 (a)

Description: Reinforcing Steel Bar, Grade 33

 Quantity:
 2,881.00

 Output per hour:
 143.44

				Unit: k	g
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	20.09		
	Skilled Laborer	2	20.09		
	Unskilled Laborer	12	20.09		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Bar Cutter	1	10.04		
	Bar Bender	1	10.04		
	Sub-Total (Equipmen	ıt)		Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Deformed Round Bars, Grade 33	kg	2,881.00		
	G.I. Tie Wire	kg	86.43		
	Sub-Total (Materials	s)		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (C	OCM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		-5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 4 (a)

Description: Installation and Removal of Formworks

> **Quantity:** 110.04 Output per hour: 3.24

			100	Unit: s	q.m
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Installation of Formworks				
	Construction Foreman	1	33.96		
	Skilled Laborer	2	33.96		
	Unskilled Laborer	4	33.96		
	Removal of Formworks				
	Construction Foreman	1	13.59		
	Unskilled Laborer	6	13.59		
	Sub-Total (Labor)	<u> </u>	l.	Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total (Equipment)	Te Te	Php	(0#)
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Good Lumber - 3 uses	bdft	490.00		
	Plywood, Marine 1/2" x 4' x 8' - 3 uses	pc.	31.00		
	Assorted CWN	kg.	18.00		
	Sub-Total (Materials)	<u> </u>	<u> </u>	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (O	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project : REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 5 (a)

Demolition of Masonry Wall Description:

> **Quantity:** 144.62 Output per hour: 5.938

				Unit: s	q m
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1.00	24.36		
	Skilled Laborer	1.00	24.36		
	Unskilled Laborer	4.00	24.36		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Jack Hammer Drill	2.00	24.36		
	Sub-Total (Equipment			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OC	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 5 (b)

Description: Masonry (100 mm CHB)

Quantity: 139.54
Output per hour: 3.825
Unit: sq.m

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	36.48		
	Skilled Laborer	2	36.48		
	Unskilled Laborer	3	36.48		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	One - bagger Mixer	1	36.48		
	Sub-Total (Equipment)		Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	CHB 4" thk	pcs	1,915.00		
	Portland Cement	bags	90.00		
	Washed Sand	cu.m	47.20		
	10mm x 6m RSB	kgs	95.00		
	G.I. Tie Wire	kgs	9.00		
	Sub-Total (Materials)	Α.Δ.	<u> </u>	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (O	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 5 (d)

Description: Plain Cement Plaster Finish

Quantity: 318.22
Output per hour: 7.125
Unit: sq.m

	Unit: s						
A.	Designation of Personnel	No. of	No. of	Hourly	Amount		
06/30/154	осита роспина. — в пото не во досе на вето достинува со водинения	Person	Hours	Rate	6040-004004040000004-012441		
			44.66				
	Construction Foreman	1	44.66				
	Skilled Laborer	2	44.66				
	Unskilled Laborer	4	44.66				
	Sub-Total (Labor)			Php			
В.	24 25 27 34	No. of	No. of	Hourly	Amount		
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount		
	Sub-Total (Equipment)			Php	-		
C.	Name / Specification (Materials)	Unit	Quantity	Unit	- Amount		
	10 (MT) 10 (MT)	1		Cost			
	Portland Cement	bags	207.00				
	Washed Sand	cu.m	12.70				
	wasned Sand	Cu.m	12.70				
	Sub-Total (Materials)	4		Php			
D.	Direct Cost (A+B+C)			Php			
E.	Overhead, Contingencies and Miscellaneous (OC	EM)		% of D.			
F.	Contractor's Profit			% of D.			
G.	Value Added Tax (VAT)		5	% of (D+E+F)			
H.	Adjusted Total Cost (D+E+F+G)			Php			
I.	Adjusted Unit Cost (H/Quantity)			Php			

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (a)

Description: Removal of Door with Jamb

Quantity: 33.00 Output per hour: 1.33 Unit: set

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	24.75		
	Skilled Laborer	1	24.75		
	Unskilled Laborer	1	24.75		
	Sub-Total (Labor)			Php	
в.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total (Equipment)	I.	1.	Php	827
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Sub-Total (Materials)		31.	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM	1)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	5% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

6 (b) Item:

Description: Removal of Window with Jamb

> Quantity: 2.68 Output per hour: 3.88

	<u></u>	Unit: set				
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman	1	0.69			
	Skilled Laborer	î	0.69			
	Unskilled Laborer	2	0.69			
	Chiskined Eaborer	2	0.03			
	Sub-Total (Labor)			Php		
	The state of the s	No. of	No. of	Hourly	// aced aced aced aced aced	
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount	
	Sub-Total (Equipment)			Php		
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount	
	Sub-Total (Materials)			Php		
D.	Direct Cost (A+B+C)			Php		
E.	Overhead, Contingencies and Miscellaneous (OCM	n .		% of D.		
F.	Contractor's Profit	*)		% of D.		
G.	Value Added Tax (VAT)		85	5% of (D+E+F)		
H.	Adjusted Total Cost (D+E+F+G)			Php		

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (f)

Description: Frames (Jambs, Sill, Head, Transoms, and Mullions)

Quantity: 31.00
Output per hour: 1.00
Unit: set

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	31.00		
	Skilled Laborer	1	31.00		
	Unskilled Laborer	2	31.00		
	Sub-Total (Labor)			Php	
в.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
c.	Sub-Total (Equipment) Name / Specification (Materials)	Unit	Quantity	Php Unit Cost	Amount
c.	Name / Specification (Materials) Door Jamb 45mm x 150mm	Unit	Quantity 31.00	100000000000000000000000000000000000000	Amount
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OC	CM)		% of D.	
F.	Contractor's Profit			% of D.	
	Value Added Tax (VAT)		-5'	% of (D+E+F)	
G.	CONTRACTOR OF THE PROPERTY OF		15.00		
G. H.	Adjusted Total Cost (D+E+F+G)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (d)

Description: Wooden Panel Door

Quantity: 62.79 **Output per hour:** 0.32 **Unit:** sq m

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	196.22		
	Skilled Laborer	1	196.22		
	Unskilled Laborer	2	196.22		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
c.	Sub-Total (Equipment) Name / Specification (Materials)	Unit	Quantity	Php Unit	Amount
	Maine / Specification (Materials)	OHIL	Quantity	17:34	Amount
	D-1, Panel Door 0.90m x 2.10m on 150mm	set	2.00	Cost	
		set	2.00	Cost	
	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever	set pa	2.00	Cost	
	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob)	1050 T (S)		Cost	
	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob) Hinges, Standard 3-1/2" x 3-1/2"	pa	66.00	Cost	
D.	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob) Hinges, Standard 3-1/2" x 3-1/2" Entrance, Lever Lockset	pa	66.00		
D. E.	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob) Hinges, Standard 3-1/2" x 3-1/2" Entrance, Lever Lockset	pa set	66.00	Php	
3000000	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob) Hinges, Standard 3-1/2" x 3-1/2" Entrance, Lever Lockset Sub-Total (Materials) Direct Cost (A+B+C)	pa set	66.00	Php Php	
E.	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob) Hinges, Standard 3-1/2" x 3-1/2" Entrance, Lever Lockset Sub-Total (Materials) Direct Cost (A+B+C) Overhead, Contingencies and Miscellaneous (OCM)	pa set	66.00 33.00	Php Php % of D.	
E. F.	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (lever type door knob) Hinges, Standard 3-1/2" x 3-1/2" Entrance, Lever Lockset Sub-Total (Materials) Direct Cost (A+B+C) Overhead, Contingencies and Miscellaneous (OCM Contractor's Profit	pa set	66.00 33.00	Php Php % of D. % of D.	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (g)

Description: Ramp Rail

				Unit: I	2S
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	57		
	Skilled Laborer	2	57		
	Unskilled Laborer	4	57		
		(35.)			
	Sub-Total (Labor)	6		Php	31,688.3
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Welding Machine	1	28.50		
	Electric Grinder	1	28.50		
	Sub-Total (Equipment)	,,		Php	11,753.1
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	PWD Ramp - SS 304 Railings				
	Round Base Flange 2"Ø, Stainless Steel	pc	6.00		
	Elbow 2"Ø, Stainless steel 304	pc	8.00		
	Round Cover Flange 2"Ø, Stainless Steel	pc	8.00		
	Stainless Steel Welding Rod	kg	2.00		
	Utility Ramp - SS. 304 Railings				
	Round Base Flange 2"Ø, Stainless Steel	pc	6.00		
	Elbow 2"Ø, Stainless steel 304	pc	8.00		
	Round Cover Flange 2"Ø, Stainless Steel	pc	6.00		
	Stainless Steel Welding Rod	kg	2.00		
	Stair Ramp Beside GL A19 - SS. 304 Railings				
	Round Base Flange 2"Ø, Stainless Steel	рс	2.00		
	Round Cover Flange 2"Ø, Stainless Steel	pc	2.00		
	Stainless Steel Welding Rod	kg	1.00		
	Relocation of Stair at GL H19- SS. 304 Railings				
	Round Base Flange 2"Ø, Stainless Steel	pc	4.00		
	Elbow 2"Ø, Stainless steel 304	рс	2.00		
	Round Cover Flange 2"Ø, Stainless Steel	pc	4.00		

	Stainless Steel Welding Rod	kg	0.50	1	1
	Provision of Opening at GL N4- SS. 304 Railings	94900			
	Elbow 2"Ø, Stainless steel 304	pc	1.00		
	Stainless Steel Welding Rod	kg	0.25		
	(Use Removed Stainless Steel pipes from Steel Railings at GL D2 - H2 & GL N4)				
	Sub-Total (Materials)	į.		Php	
D.	Direct Cost (A+B+C)			Php	Î
E.	Overhead, Contingencies and Miscellaneous (OC	M)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (Ls-1)

Description: Aluminum Door and Jamb Analok Finish, stainless steel hinges and lock

Quantity: 1.00
Output per hour: 1.00
Unit: Ls

		Unit: Ls			
A.	Designation of Personnel	No. of	No. of	Hourly	Amount
4.4.	Designation of Tersonner	Person	Hours	Rate	mount
	Construction Foreman	1	32.00		
	Skilled Laborer	1	32.00		
	Unskilled Laborer	1	32.00		
	Sub-Total (Labor)			Php	
7000	Levely schools and where the court	No. of	No. of	Hourly	1277 73
B.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	, T				
	Sub-Total (Equipment)			Php	-
c.		Unit	Quantity	Unit	Amount
C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount
	Toilet and Bathroom			3	
	Aluminum Door, 0.7m x 1.9, With Aluminum	11.00	15.00		
	Jamb	pc	15.00		
	Narrow Butt Hinge, 2.5" Stainless Steel	pa	45.00		
	Toilet Partition indicator Lock Sliding, Stainless	92 	15.00		
	Steel 304	set	15.00		
	Blind Rivets	рс	360.00		
	3/4" Wood Screw	pc	150.00		
	55	B			
D.	Sub-Total (Materials) Direct Cost (A+B+C)			Php Php	
E.	Overhead, Contingencies and Miscellaneous (OCM	4 0		% of D.	
F.	Contractor's Profit)		% of D.	
	Contractor 5 i Tont		5	% of (D+E+F)	
1000	Value Added Tax (VAT)				
G.	Value Added Tax (VAT)		3	10 01 (2 2 1)	
1000	Value Added Tax (VAT) Adjusted Total Cost (D+E+F+G)		3	Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (Ls-2)

Description: Aluminum Sliding Window with Jamb, Analok/Bare Finish

A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	3.00		
	Skilled Laborer	1	3.00		
	Unskilled Laborer	1	3.00		
	Sub-Total (Labor)		45	Php	813.67
в.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
C.	Sub-Total (Equipment) Name / Specification (Materials)	Unit	Quantity	Php Unit Cost	- Amount
	W-1 Analok type Sliding Window1.2m x 1.2m, 6mm Tempered Glass with Jamb and Complete	set	3.00	Cost	3942004-0004-0004-0004-0
	Accessories 3/4 Wood Screw	pc	30.00		
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (Ls-3)

Description: Relocation of Stainless Steel Letterings

				Unit:	LS
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
		(8)			
	Construction Foreman	1	6		
	Skilled Laborer	1	6		
	Unskilled Laborer	1	6		
	Sub-Total (Labor)	L.		Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total (Equipment)			Php	(39)
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Silicone Sealant, 300ml Construction Grade	рс	1.00		
		×		1 2	
-	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)	(A)		Php % of D.	
E.	Overhead, Contingencies and Miscellaneous (OCI Contractor's Profit	vij			
G.	1		ı	% of D. 5% of (D+E+F)	
H.	Value Added Tax (VAT) Adjusted Total Cost (D+E+F+G)				
I.	Adjusted Iotal Cost (DFEFFFG) Adjusted Unit Cost (H/Quantity)			Php Php	
1.	majusted offit cost (11/Quantity)			THP	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 6 (Ls-4)

Description: 12mm tempered Glass Frameless Glass Door/ Glass Partition

				Unit:	Ls
Α.	Designation of Personnel	No. of	No. of	Hourly	Amount
A.	Designation of Tersonner	Person	Hours	Rate	Amount
	Construction Foreman	1	6		
	Skilled Laborer	1	6		
	Unskilled Laborer	1	6		
	Sub-Total (Labor)		L.	Php	1,627.34
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
		2			
	Sub-Total (Equipment)			Php	(%)
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	tempered Glass, 12mm thk, clear	sq.m	3.78		
	Examples Class Dan Lock Stainless Stail		0.00		
	Frameless Glass Door Lock, Stainless Steel	pc	2.00		
	Frameless glass Door Patch Fitting Set, Corner patch, Top patch, Bottom Patch, Patch Lock, Floor Hinge - 110kg, Stainless Steel Capacity	set	2.00		
	Stainless Steel frameless glass door handle 32mmØ x 800mm	set	2.00		
	Sub-Total (Materials)	d.		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCI	M)		12% of D.	
F.	Contractor's Profit			10% of D.	
G.	Value Added Tax (VAT)		5	5% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 7 (a)

Description: Removal of Steel Trusses

Quantity: 375.60 Output: 66.78 Unit: kg

		T		Unit; k	
A.	Designation of Personnel	No. of	No. of	Hourly	Amount
		Person	Hours	Rate	
	Construction Foreman	1	5.62		
	Skilled Laborer	1 2 4	5.62		
	Unskilled Laborer	4	5.62		
	Oliskilled Laborel		3.02		
	Sub-Total (Labor)			Php	
В.	** *** *** *** *** *** *** *** *** ***	No. of	No. of	Hourly	Amount
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	Cutting Outfit	2	5.62	1	
	H - Frame 1.7m x 1.2m	4	5.62		
	Sub-Total (Equipment	:)	2	Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Sub-Tatal (Waterials)			Dley	
-	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)	~		Php	
E.	Overhead, Contingencies and Miscellaneous (OC	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		59	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project : REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 7 (d)

Description: Structural Steel Purlins

5,018.94

Quantity: Output: 90.45

		100		Unit: k	g
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	55.49		
	Skilled Laborer	1 2 4	55.49		
	Unskilled Laborer	4	55.49		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Welding Machine	2	55.49		
	Sub-Total (Equipmen	t)		Php	
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	LC 150 x 65 x 20 x 2.0mm	kg	2,484.72		
	LC 100 x 50 x 15 x 2.5mm	kg	2,441.34		
	LC 75 x 38 x 15 x 2.0mm	kg	92.88		
	Welding Rod	kg	101.25		
	Sub-Total (Materials)		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (O	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 7 (g)

Description: Metal Structure Accessories (Sag Rods)

Quantity: 14.00
Output:
Unit: pc

				Unit : p	c
A.	Designation of Personnel	No. of	No. of	Hourly	Amount
	5	Person	Hours	Rate	
	Construction Foreman	1	1.00		
	Skilled Laborer	1 1	1.00		
	Unskilled Laborer	1 1 1	1.00		
	Oliskincu Laborer		1,00		
	Sub-Total (Labor)	1		Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
		Onits	nours	Rate	
	Sub-Total (Equipment	t)		Php	
- 50	1 500 SECTION SPECIAL NAME OF AN AS AS	2.20 \$4	10 18	Unit	54
C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount
	10mmØ Sag Rods with Standard Nuts and Washers	рс	14.00		
	Sub-Total (Materials)		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (O	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)		_	Php	•

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 7(Ls-1)

Description: Rolled Shaped Steel

				Unit: I	S
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	37.90		
	Skilled Laborer	1 1	37.90		
	Unskilled Laborer	1	37.90		
	Sub-Total (Labor)			Php	10,279.33
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Welding Machine	2	37.90		
	Sub-Total (Equipmen	t)		Php	29,637.80
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	L 50 x 50 x 6mm	kg	697.32		
	L 40 x 40 x 5mm	kg	850.14		
	L 50 x 50 x 3mm	kg	1,204.98		
	Flat Bar 1½" x ¼"	kg	17.88		
	GI. Tubular 4" x 2" x 6m x 2.0mm	рс	18.00		
	Square Bar 19mm□	рс	54.00		
	Welding Rod	kg	74.25		
	Sub-Total (Materials	3)	l l	Php	
D.	Direct Cost (A+B+C)	t.		Php	
E.	Overhead, Contingencies and Miscellaneous (C	CM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
Н.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 7(Ls-2)

Description: Steel Matting 2" x 2" x 3mm, 4ftx8ft

				Unit: 1	JS
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	4.00		
	Skilled Laborer	1 1 1	4.00		
	Unskilled Laborer	1	4.00		
	Sub-Total (Labor)			Php	
в.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
c.	Sub-Total (Equipment Name / Specification (Materials)	t) Unit	Quantity	Php Unit Cost	Amount
c.	Name / Specification (Materials) Steel Matting 2" x 2" x 3mm, 4ftx8ft	Unit	Quantity 9.00	Unit Cost	Amount
	Sub-Total (Materials)	₩ B	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (C	OCM)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 7(Ls-3)

Description: Repair of Water tank

				Unit: I	s
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	4.00		
	Skilled Laborer	1	4.00		
	Unskilled Laborer	1	4.00		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total (Equipment)			Php	121
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	PVC Clear pipe, 3/4"Ø x 3m	pc	1.00		
	uPVC Blue Female Threaded Adaptor, 3/4"Ø	pc	2.00		
	PP-R Pipe 3/4"Ø x 4.0m, PN10	pc	1.00		
	PP-R Elbow 90° x 3/4"Ø	pc	2.00		
	PP-R Threaded Female Union x 25mm x 3/4"Ø, Plastic to Brass	рс	2.00		
	Stainless Steel Barrel Nipple, 3/4"Ø x 3"	pc	4.00		
	PVC Cement	can	1.00		
	Stainless Steel Welding Rod	kg	4.00		
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM	Л)		% of D.	
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G) Php			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 8 (a)

Description: Removal of Metal Roofing

Quantity: 34.69 Output per hour: 18.250

Unit: sq.m No. of No. of Hourly A. **Designation of Personnel** Amount Person Hours Rate Construction Foreman 1 1.90 Skilled Laborer 1 1.90 Unskilled Laborer 1.90 Sub-Total (Labor) Php No. of No. of Hourly B. Name / Capacity (Equipment) Amount Units Hours Rate H - Frame 1.7m x 1.2m 1.90 Electric Hand Drill 2 1.90 Sub-Total (Equipment) Php Unit C. Name / Specification (Materials) Unit Quantity Amount Cost Php Sub-Total (Materials) D. Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (OCM) % of D. % of D. Contractor's Profit G. Value Added Tax (VAT) 5% of (D+E+F) Adjusted Total Cost (D+E+F+G) Php H. Adjusted Unit Cost (H/Quantity) Php

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project :

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 8 (b)

Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT Description:

Quantity: 53.35 Output per hour: 2.076

	21:	-81-6AV 5V66A	NU AREA ROLLING	Unit: 8	m,p
Α.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman Skilled Laborer Unskilled Laborer	1 1 2	25.70 25.70 25.70		
	Sub-Total (Labor)			Php	
B.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Electric Hand Drill	1	25.70		
	Sub-Total (Equipmen	t)		Php	
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	G.I. Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm BMT	1m	45.85		
	Teckscrew 2-%"	рс	241.00		
	Sub-Total (Materials	0		Php	
D.	Direct Cost (A+B+C) Php				
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.				
F.	Contractor's Profit % of D.				
G.	Value Added Tax (VAT) 5% of (D+E+F)				
H.	Adjusted Total Cost (D+E+F+G) Php				
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 8 (d)

Description: Fabricated Metal Roofing Accessory (Gutter)

Quantity: 276.00 Output per hour: 11.80

			t				
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount		
	Construction Foreman	1	23,39				
	Skilled Laborer		23.39				
	Unskilled Laborer	1 1	23,39				
			25535.57				
	Sub-Total (Labor)			Php			
B.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount		
C.	Sub-Total (Equipment) Name / Specification (Materials) GI Gutter, Pre-Painted, 2.440m x 0.4mm BMT Stainless Steel Plain Sheet, 1.2m x 2.4m,	Pc pc	Quantity 4.00	Unit Cost	Amount		
	0.4mm THK		2777-112-127				
	Teckscrew 2-%"	pc	1,150.00				
	Blind Rivets	pc	1,725.00				
	Sub-Total (Materials)	-		Php			
D.	Direct Cost (A+B+C) Php						
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.						
F.	Contractor's Profit % of D.						
G.	Value Added Tax (VAT) 5% of (D+E+F)						
H.	Adjusted Total Cost (D+E+F+G) Php						
I.	Adjusted Unit Cost (H/Quantity) Php						

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project :

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 8 (c)

Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Description:

Quantity: 10.00 Output per hour: 10.00

	100		Unit: m			
Α.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman	1	1.00			
	Skilled Laborer	1	1.00			
	Unskilled Laborer	1	1.00			
	Sub-Total (Labor)			Php		
B.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
	Electric Hand Drill	1	1.00			
	Sub-Total (Equipment)			Php		
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount	
	G.I. Flashing, Preformed, Pre-Painted, 0.610m x					
	2.440m x 0.4mm BMT	pc	10.00			
	Teckscrew 2-%*	pc	100.00			
	Blind Rivets	pc	150.00			
sac.	Sub-Total (Materials)			Php		
D.	Direct Cost (A+B+C) Php					
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.					
F.	Contractor's Profit % of D.					
G.	Value Added Tax (VAT) 5% of (D+E+F)					
H.	Adjusted Total Cost (D+E+F+G) Php					
I.	Adjusted Unit Cost (H/Quantity)			Php		

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project :

P. Montecer St, Malvar, Batangas, Philippines Location:

9 (d) Item:

Removal of Ceiling Description:

> Quantity: 1087.56 Output per hour: 17.340 Unit: sa.m

			um-gracorum com tario	Unit: s	q.m.
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	62.72		
	Skilled Laborer	1 1 3	62.72		
	Unskilled Laborer	3	62.72		
	Sub-Total (Labor)	70 10		Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	H - Frame 1.7m x 1.2m	2	501.76		
	Sub-Total (Equipment)			Php	
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM)).		% of D.	
F.	Contractor's Profit % of D.				
G.	Value Added Tax (VAT) 5% of (D+E+F)				
H.	Adjusted Total Cost (D+E+F+G)			Php	
1.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Botangas, Philippines

Item: 9 (f)

Description: 4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm

Ordinary Plywood on Metal Frame Ceiling

Quantity: 733.22 Output per hour: 1.24

Unit: No. of Hourty No. of Designation of Personnel Amount A. Person Hours Rate Construction Foreman 589.88 1 Skilled Laborer 589.88 1 589.88 Unskilled Laborer 2 Sub-Total (Labor) Php No. of No. of Hourly B. Name / Capacity (Equipment) Amount Units Hours Rate H - Frame 1.7m x 1.2m 589.88 1 1 412.91 Electric Hand Drill Sub-Total (Equipment) Php Unit C. Name / Specification (Materials) Unit Quantity Amount Cost Fiber Cement Ceiling Board (4.5mm thk) 303.00 pe Metal Carrying Channel (12mm x 38mm x 5m x 293.00 pe 0.8mm thk Metal Double Furring Channel (19mm x 50mm 814.00 pc x 3m x 0.5mm thk Wall Angle 1" x 1" x 10" 304.00 pc Rod Suspension Hanger with Adjustment 681.00 pc Spring Steel Angle 681.00 pe Threaded Hanger Clip 681.00 pc Preformed Wire Clip 1,800.75 pe Concrete Nails 41.49 kg Steel/ Aluminum Manhole cover, 60cm x 60cm, 15.00 pc powder coated Steel ceiling Manhole cover, 40cm x 40cm, pe 31.00 Blind Rivets pc 13,213.00 Sub-Total (Materials) Php D. Direct Cost (A+B+C) Php E. Overhead, Contingencies and Miscellaneous (OCM) % of D. F. Contractor's Profit % of D. G. Value Added Tax (VAT) 5% of (D+E+F) Adjusted Total Cost (D+E+F+G) H. Php Adjusted Unit Cost (H/Quantity) Php I.

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Botangas, Philippines

Item: 9 (Ls-1)

Description: 4' x 8' Laminated Phenolic/ laminated Marine Plywood Partition/ Cabinet

- 1

 Quantity:
 1.00

 Output per hour:
 1.00

 Unit:
 1.5

	0.7			Unit:	Ls
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman Skilled Laborer Unskilled Laborer	1 1 2	33.40 33.40 33.40		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Circular Saw	1	23.38		
	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Phenolic Board 3/4" x 4" x 8" Laminating Sheet, Wood Grain 1.2m x 2.4m Contact Cement Edge band Glossy and Matte L-type Bracket Stainless Steel 304" 1" inch Screw with Tox Partition Bracing Foot, Adjustable Stainless Steel 304 Concealed Hinge Half Overlay Concealed Hinge, Full overlay Partition Side Edge, aluminum 3/4" x 1.85m S4S Lumber, Kiln Dried, Hardwood	pc pc gal m pc pc pc pa pa pa pc hd.ft	14.00 28.00 5.00 100.99 104.00 468.00 24.00 4.00 4.00 6.00 23.57		
-	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)	***		Php	
E.	Overhead, Contingencies and Miscellaneous (OCI	M)		% of D.	
G.	Contracter's Profit Value Added Tax (VAT)		51	% of D. 6 of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)		- 32	Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Betangas, Philippines

Item: 9 (Ls-2)

Description: Fabricated Cabinet and Shelves Marine Plywood 4ft x 8ft x 3/4" thk

 Quantity:
 25.92

 Output per hour:
 7.14

 Unit:
 sq.m

No. of Hourty No. of Amount A. Designation of Personnel Person Hours Rate Layout and Cutting Construction Foreman 3.00 1 Skilled Laborer 1 3.00 3.00 Unskilled Laborer Fabrication i Construction Foreman 3.63 3.63 Skilled Laborer 1 3.63 Unskilled Laborer 1 Sub-Total (Labor) Php No. of No. of Hourly Amount B. Name / Capacity (Equipment) Units Hours Rate Electric Grinder 3.63 Electric Hand Drill 1 3.63 Circular Saw ŧ 3.63 Sub-Total (Equipment) Php Unit C. Name / Specification (Materials) Unit Quantity Amount Cost 2 pcs - Hanging Cabinet 1m x 1.4m x 0.4m 4 doors 4 shelves Plywood, Marine 3/4" x 4' x 8' 6:00 pc Concealed Hinge, Full overlay 16.00 pa Cabinet Handle, Stainless Steel pc 8.00 1,00 li. Wood Glue 8.00 pc Drawer Lock Shelve 1.00 Plywood, Marine 3/4" x 4' x 8' pe 6.00 pc L-type Bracket Stainless Steel Php Sub-Total (Materials) D. Direct Cost (A+B+C) Php Overhead, Contingencies and Miscellaneous (OCM) % of D. E. Contractor's Profit % of D. F Value Added Tax [VAT] 5% of (D+E+F) G. Adjusted Total Cost (D+E+F+G) Php Adjusted Unit Cost (H/Quantity) Php

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 9(Ls-3)

Description: Metal Spandrel 0.4mm THK x 6" Width in Metal Ceiling Framing

Quantity: 1.00
Output per hour: 1.00
Unit: Ls

No. of No. of Hourly Designation of Personnel Amount Person Hours Rate Construction Foreman 348.12 348.12 Skilled Laborer 1 Unakilled Laborer 2 348.12 Sub-Total (Labor) Php No. of No. of Hourly B. Name / Capacity (Equipment) Amount Units Hours Rate H - Frame 1.7m x 1.2m 1 348.12 Electric Hand Drill 1 174.06 Sub-Total (Equipment) Php Unit C. Name / Specification (Materials) Unit Quantity Amount Cost Spandrel 6' with 0.4mm thickness Im 2,427.60 Spandrel 6', Perforated with 0.4mm thickness 606.90 Im Fascia Board, Fiber Cement 12" x 8" 121.00 DC Metal Double Furring Channel (19mm x 50mm 23.10 pc x 3m x 0.5mm thic Metal Carrying Channel (12mm x 38mm x 5m x 126.00 po 0.8mm thk Preformed Wire Clip 408.00 pe Spandrel End Moulding, 6 " x 0.4mm Thickness 243.00 pc x Sft Spandrel center Moulding, 12' x 0.4mm THK x 11.00 pc Threaded Rod 8mm x 3m 81.00 pc Steel Angle 81.00 pe Nut and washer, M8 243.00 pe Threaded Hanger Clip 81.00 pc Concrete Nails kg 13.53 Blind Rivets 7,996.00 Sub-Total (Materials) Php D. Direct Cost (A+B+C) Php Overhead, Contingencies and Miscellaneous (OCM) E. % of D. % of D. F. Contractor's Profit 5% of (D+E+F) Value Added Tax (VAT) G Adjusted Total Cost (D+E+F+G) Php Adjusted Unit Cost (H/Quantity)

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (b)

Description: Distribution Poles

Quantity: 1.00 Output per hour: 0.25 Unit: pc

				Unit: p	C:	
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman	1	4.00			
	Skilled Laborer	2	4,00			
	Unskilled Laborer	2 2 2	4.00			
	Highly Skilled Operator	2	4.00	18		
	Sub-Total (Labor)			Php		
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
	Boom Truck	1	4.00			
	Bucket Truck	1	4.00			
	Sub-Total (Equipment)			Php		
C.	Name / Specification (Materials)	Unit	Quantity	Unit	Amount	
	Distribution Transformer, Accessories and Assembly Pole, Concrete, 50', Class 1A, 2400kgs. (Minimum Load Break)	pc	1.00			
	Sub-Total (Materials)			Php		
D.	Direct Cost (A+B+C)			Php		
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.					
F.	Contractor's Profit % of D.					
G.	Value Added Tax (VAT) 5% of (D+E+F)					
H.	Adjusted Total Cost (D+E+F+G)			Php		
1.	Adjusted Unit Cost (H/Quantity)			Php		

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (c)

Description: Distribution Transformer, Accessories and Assembly

Quantity: 1.00 Output per hour: 0.13 Unit: Assy

Α.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	8.00		
	Skilled Laborer	2	8.00		
	Unskilled Laborer	2	8.00		
	Highly Skilled Operator	2	8.00		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
_	Boom Truck	1	8.00		
	Bucket Truck	1	8.00		
	Sub-Total (Equipment)			Php	
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Pin Assembly				
	Insulator, Pin Type, Porcelain, ANSI, Class 57-2	pc	6.00		
	Pin, Pole Top, Channel, 1" Thread, 20" Long, Hot Dip Galvanized	pc	6.00		
	Bolt, Machine 5/8" X 8", Hot Dip Galvanized	pc	12.00		
	Washer, Curved, 2-1/2" X 2-1/2" X 3/16"	pc	12.00		
	Nut, Lock, MF Type, 5/8"	pc	12.00		
	Suspension Assembly	35			
	Washer, Curved, 2-1/2" X 2-1/2" X 3/16"	pc	6.00		
	Insulator, Suspension, 6", ANSI, Class 52-1	pc	18.00		
	Bolt, Double Arming 5/8" X 14", Hot Dip Galvanized	pc	6.00		
	Bolt, Oval Eye 5/8" X 12", Hot Dip Galvanized, Forged	pc	6.00		
	Bolt, Oval Eye 5/8" X 18", Hot Dip Galvanized, Forged	pc	6.00		
	Clamp, Dead-end Strain, #4/0 ACSR Three Phase Crossarm Construction	pc	6.00		
	Conductor, 23kv Insulated, Tree Wire, ACSR/AW-TR/OC-SB#4/0, AWG 6/1 (Meters)	pc	90.00		

	Bolt, Machine 5/8" X 12", Hot Dip Galvanized	pc	4.00	
	Washer, Square, Flat, 2-1/4" X 2-1/3" X 3/16"	pe	22.00	
	Pin, Crossarm, Steel, 5/8' X 10-3/4", Hot Dip Gavalnized	pc	8.00	
	Crossarm, Steel, 3" X 4" X 8', 3mm, Hot Dip Galvanized	pc	4.00	
	Bolt, Carriage 3/8" X 4-1/2", Hot Dip Galvanized	pc	8.00	
	Lag, Screw, 1/2" X 4"	рс	4.00	
	Bolt, Single Upset 5/8" X 10", Hot Dip Galvanized, Forged	pc	2.00	
	Nut, Lock, MF Type, 5/8"	pc	26.00	
	Nut, Lock, MF Type, 3/8"	pe	8.00	
	Brace, Cross-arm, Flat 28*, Steel, Hot Dip Galvanized	pc	8.00	
	Rod, Armor, Preformed, #4/0 ACSR, Single Support	рс	3.00	
	Rod, Armor, Preformed, #4/0 MCM, Double Support	рс	9.00	
	Wire, Tie, Insulated, #4 mm (Meters)	m	17.00	
	Three Transformer Cluster Mounted Four Wire Grounded For 230 Volt Power Load	627		
	Lag, Screw, 1/2" X 4"	pc	4.00	
	Connector, Spilt Bolt	pe	3.00	
	Transformer, Pole Type, Conventional, Amorphous, 100 KVA, Cu-Cu Winding	pc	3.00	
	Fuse Cut-out & Arrester Combination, 15KV, Class 200	pc	3.00	
	Bracket, Mounting for Fuse Cut-Out & Arrester	pc	3.00	
	Connector, Solderless Copper, #4/0	pc	3.00	
	Nut, Lock, MF Type, 3/8"	pc	2.00	
	Rod, Armor, Preformed, #4/0 ACSR, Single Support	pc	3.00	
	Rod, Armor, Preformed, #4/0 ACSR, Double Support	pc	3.00	
	Bolt, Carriage 3/8" X 4-1/2", Hot Dip	pc	2.00	
	Connector, Compression, YHO 400, Run #2/0 - #4/0 - Tap #2/0 - #4/0 Clamp, Hotline #2 - #4/0 ACSR	pc	3.00	
	Nut, Lock, MF Type, 3/8"	pc	2.00	
	Bolt, Double Arming 5/8" X 14", Hot Dip Galvanized	pc	3.00	
	Washer, Curved, 2-1/2" X 2-1/2" X 3/16"	pe	13.00	
	Bracket, Transformer Pole Mounting, 3 Phase, Cluster Type, Hot Dip Galvanized	pe	1.00	
	Sub-Total (Materials)	76.	Php	
	Direct Cost (A+B+C)		Php	
	Overhead, Contingencies and Miscellaneous (OC	M)	% of D.	
	Contractor's Profit	C. (2-)	% of D.	
1	Value Added Tax (VAT)		5% of (D+E+F)	
	Adjusted Total Cost (D+E+F+G)		Php	
	Adjusted Unit Cost (H/Quantity)		Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (d)

Description: Grounding Assembly

Quantity: 1.00 Output: 1.00 Unit: set

	T T	No. of	W 6	Onit: s	
A.	Designation of Personnel	Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	1.00		
	Skilled Laborer	1	1.00		
	Unskilled Laborer	1	1.00		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Rachet	1	1.00		
	Hole Digger	1	1.00		
	Sub-Total (Equipment)	1		Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Distribution Transformer, Accessories and Assembly				
	Rod, Ground Steel, Galvanized, 5/8" X 8', Hot Dip Galvanized	pc	1.00		
	Connector, Ground Rod Clamp, 5/8"	pc	1.00		
	Staple, Ground Wire, 1/2" X 2"	ft	40.00		
	Preformed Wire Clip	pc	1.00		
	Wire, Grounding, Aluminum Alloy, #4 AWG (Feet)	ſt	3.00		
	Connector, Compression, YHO 400, Run #2/0 - #4/0 - Tap #2/0 - #4/0	pc	1.00		
	Wire, Grounding, Galvanized, 3 Strand, 5/16* Dia. (Feet)	ft	35,00		
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D. Contractor's Profit % of D.				
F.					
G.	Value Added Tax (VAT) 5% of (D+E+F) Adjusted Total Cost (D+E+F+G) Php				
H.					
1.	Adjusted Unit Cost (H/Quantity)			Php	

Project : REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY (REGION IV-A CALABARZON)

Location: P. Montecer St, Malvar, Batangas, Philippines

E 10 (g) Item:

Description: Guy and Anchor Assembly

> Quantity: 1.00 Output per hour: 0.50

	Unit:						
Λ.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount		
	Construction Foreman	1	2.00				
	Skilled Laborer	1	2.00				
	Unskilled Laborer	2	2.00				
	Unskilled Laborer	26	2.00				
	Sub-Total (Labor)			Php			
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount		
	Rachet	1	2.00				
	Hole Digger	1	2.00				
	This Diggs	*	25.555				
	Sub-Total (Equipment)	-		Php			
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount		
	Distribution Transformer, Accessories and Assembly Single Down Guy, Wrapped Type						
	Bolt, Machine 5/8" X 10", Hot Dip Galvanized	pc	1.00				
	Connector, Compression, YHO 400, Run #2/0		2.00				
	#4/0 - Tap #2/0 - #4/0	pc	2.00				
	Clamp, Guy Straight, 3 Bolt, Heavy Duty Steel, Hot Dip Galvanized	pc	2.00				
	Wire, Guy, Steel, 5/16', 7 Strand, High Strength (Feet)	ft	50.00				
	Wire, Grounding, Galvanized, 3 Strand, 5/16" Dia. (Feet)	ft	5.00				
	Hook, Guy, 5/8", Hot Dip Galvanized	pc	2.00				
	Plate, Guy	pc	2.00				
	Concrete Nails	kg	1.00				
	Clamp, Anchor Bonding Twin Eye 3/4"	pc	1.00				
	Nut, Lock, MF Type, 5/8"	pc	1.00				
	Line Anchor Assemblies						
	Rod, Anchor, Single Eye, 5/8" X 7', Hot Dip Galvanized, Forged	pc	1.00				
	Anchor, Expanding, 8 - Ways, Hot Dip	pc	1.00				
D.	Sub-Total (Materials) Php Direct Cost (A+B+C) Php						
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.						
F.							
G.	Value Added Tax (VAT)		Ę	% of (D+E+F)			
H.	Adjusted Total Cost (D+E+F+G)			Php			
1	Adjusted Unit Cost (H/Quantity)			Php			

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (I)

Description: Metering System

Quantity: 1.00 Output per hour: 0.13 Unit: set

۸.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman Skilled Laborer	1 2	8,00 8.00		
	Unskilled Laborer	1	8.00		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Electric Hand Drill	1	8.00		
	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Potential Transformer, (10kV-36kV), 120/70:1	pc	3.00		
	Current Transformer, (10kV-36kV) 500/400/300 : 5,	pc	3.00		
	Meter Box, 24" X 27" X 12"	pc	1.00		
	Meter, Base Socket CL-200, 7 Jaw Meter, KWH, 3 Phase, Class 20, 240V, 3W,	pc	1.00		
	Form 45A, Electronic, Complete w/TOU & Load profiling	pc	1.00		
	Meter, KWH, 1 Phase, Class 20, 240V, 2W, Form 3S, Electronic, Complete w/TOU & Load profiling	pc	1.00		
	3.5 mm ² THWN-2 Wire Copper Stranded	m	150.00		
	Sub-Total (Materials)		-	Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM)			% of D.	
F.	Contractor's Profit % of D.				
G.	Value Added Tax (VAT) 5% of (D+E+F)				
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (f)

Description: Secondary Assembly

Quantity: 1.00 Output per hour: 0.50 Unit: set

			Unit: s	set.	
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	12.0 (4.0 (4.0 (4.0 (4.0 (4.0 (4.0 (4.0 (4	1000	1980240		
	Construction Foreman	1	2.00		
	Skilled Laborer	1	2.00		
	Unskilled Laborer	1	2.00		
	Highly Skilled Operator	1	2.00	- 18	
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	bucket truck	1	2.00		
	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	50 mm' THWN-2 Wire Copper	1.02	45.00		
	Stranded	m	45.00		
	Copper split bolt-connector 185mm ² -(50mm ² - 185mm ²) 350mcm	pc	9.00		
	Rod, Ground Steel, Galvanized, 5/8" X 10, Hot Dip Galvanized	pc	1.00		
	Connector, Ground Rod Clamp, 5/8"	pc	1.00		
	RSC Conduit 2-1/2'Ø, 10ft	pc	1.00		
	RSC Conduit Coupling 2-1/2*Ø	pc	4.00		
	RSC Locknut 2-1/2°Ø	pc	4.00		
	RSC Bushing 2-1/2'Ø	pc	4.00		
	RSC Conduit Elbow 2-1/2'Ø	pc	4,00		
	RSC Conduit L&B 2-1/2"Ø	pc	4.00		
	Service entrance cap 2-1/2"Ø Diecast	pc	3.00		
	Sub-Total (Materials)			Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.				
F.	Contractor's Profit			% of D.	
G.	Value Added Tax (VAT)		5	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St., Malvar, Batangas, Philippines

Item: E 10 (k)

Description: Conduit, Boxes and Fitting

Quantity: 1.00 Output: 1.000 Unit: Ls

				Unit:	E/O
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	250.00		
	Skilled Laborer	2	250.00		
	Unskilled Laborer	î	250.00		
	-Unsalized Laborer	-1	230.00		
	Installation of Vertical Downlight Recessed Type - Corridor and Ceiling Eaves				
	Skilled Laborer	2	48.00		
	Unskilled Laborer	1	48.00		
	Sub-Total (Labor)	1 8		Php	
ъ	N. C.	No. of	No. of	Hourly	380,600,600
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	Electric Chisel Hammer	2	50.00		
	Electric Grinder	2	50.00		
	Electric Hand Drill	2	50.00		
		. 7	19000000		
	Sub-Total Equipment)			Php	
C.	Name / Specification (Materials)	Unit	Quantity	Cost	Amount
	Electrical Room				
	PVC Electrical Conduit 3/4°Ø (21mm), 10ft (Schedule 80)	pc	102.00		
	PVC Electrical Conduit Coupling 3/4°Ø (20mm)	pc	204.00		
	PVC Long Elbow 3/4'Ø (20mm), (Schedule 80)	pc	72.00		
	PVC Locknut & Bushing 3/4°Ø (20mm)	pc	72.00		
	PVC Electrical Conduit 1°Ø (27mm), 10ft (Schedule 80)	pc	24.00		
	PVC Electrical Conduit Coupling 1°Ø (27mm)	pc	36.00		
	PVC Long Elbow 1'Ø (27mm), (Schedule 80)	pc	13.00		
	PVC Locknut & Bushing 1'0 (27mm)	pc	13.00		
	PVC Electrical Conduit 1-1/4Ø (35mm),	рс	46.00		
	10ft (Schedule 80) PVC Electrical Conduit Coupling 1-1/40 (35mm)	рс	92.00		
	PVC Long Elbow 1-1/4Ø (35mm), (Schedule 80)	pc	33.00		
	PVC Locknut & Bushing 1-1/40 (35mm)	pc	33.00		
	PVC Electrical Conduit 1-1/20 (41mm), 10ft (Schedule 80)	pc	5.00		
	PVC Electrical Conduit Coupling 1-1/20 (40mm)	pc	10.00		
	PVC Long Elbow 1-2/4Ø (40mm), (Schedule 80)	pc	3.50		
	PVC Locknut & Bushing 1-1/2Ø (40mm)	pc	3.50		
	PVC Electrical Conduit 20 (53mm), 10ft (Schedule	pc	22.00		
	PVC Electrical Conduit Coupling 2Ø (53mm)	pc	44.00		
	PVC Long Elbow 2Ø (53mm), (Schedule 80)	pc	16.00		
	PVC Locknut & Bushing 20 (53mm)	pc	16.00		
	PVC Electrical Conduit 2-1/20 (63mm), 10ft (Schedule 80)	pc	57.00		
	PVC Electrical Conduit Coupling 2-1/20 (63mm)	pc	114.00		

PVC Long Elbow 2-1/2Ø (63mm), (Schedule 80)	pc	40.00
PVC Locknut & Bushing 2-1/20 (63mm)	pc	40.00
Utility Box, PVC 2" x 4"	pc	5.00
Octagonal Box (Junction Box), PVC	pc	9.00
Duct Seal Putty, 5 lbs	pc	12.00
Fixture		1,374,390,000
Duplex Universal Outlet with Ground and Shutter Set - Dark Wood	рс	3.00
1 Gang Aircon Outlet Set - Dark Wood	pc	1.00
Single Pole Wall Switch in One Switch Plate (10 AMP, 230V) - Dark Wood	рс	1.00
Receased Panel Light 40 Watts, AC 220-240V,		30000
3200 Lumen, 6500k (Daylight) Dimension: 600mm x 600mm x 9mm Beam Angle: 110"	pc	3.00
Color Rendering Index (CRI) > 80		
LED Round Recessed Integrated Downlight		
19 Watts, AC 100-240V,		
1900 Lumen, 6500k (Daylight),		
Dimension: Ø245mm x 98.5mm	pc	6.00
Cut-Out Size: Ø195mm x 210mm		
Beam Angle: 100°, Color Rendering Index (CRI) > 80		
WATER HEATER SUPPLY ALL TYPICAL ROOM		
(3 PAX) ROOM		
(4,5,6,13,14,15,16,17,18,19,21,22,23)		
PVC Electrical Conduit 3/4°Ø (21mm),	C PAG	414.00
10ft (Schedule 80)	pe	257257
PVC Electrical Conduit Coupling 3/4"Ø (20mm)	pc	828.00
PVC Long Elbow 3/4"Ø (20mm), (Schedule 80)	pc	290.00
PVC Locknut & Bushing 3/4"Ø (20mm)	pc	290.00
ROOM (3,9,10,11,12,24,25,26,27,28,29,30,31,32) PVC Electrical Conduit 3/4*Ø (20mm),	nc	535.00
PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80)	рс	535.00
PVC Electrical Conduit 3/4°Ø (20mm),	pc pc	1,070.00
PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80)		
PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4°Ø (20mm)	рс	1,070.00
PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4°Ø (20mm) PVC Long Elbow 3/4°Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4°Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX)	pc pc	1,070.00 375.00
PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4°Ø (20mm) PVC Long Elbow 3/4°Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4°Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80)	pc pc pc	1,070.00 375.00 375.00 63.00
PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4°Ø (20mm) PVC Long Elbow 3/4°Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4°Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4°Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4°Ø (20mm)	pc pc pc pc	1,070.00 375.00 375.00 63.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80)	pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00
PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm)	pc pc pc pc	1,070.00 375.00 375.00 63.00
PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM	pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00
PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80)	pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00
PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4'Ø (20mm),	pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00
PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80)	pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm)	pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 61.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) PVC Locknut & Bushing 3/4*Ø (20mm) Laundry Area	pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 122.00 43.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) PVC Lockmut & Bushing 3/4*Ø (20mm) PVC Lockmut & Bushing 3/4*Ø (20mm)	pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 122.00 43.00 43.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) Laundry Area RSC Pipe Conduit 3/4*Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4*Ø (20mm)	pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4*Ø (20mm) Laundry Area RSC Pipe Conduit 3/4*Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4*Ø (20mm) RSC Pipe Conduit Coupling 3/4*Ø (20mm)	pc pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00 26.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) Laundry Area RSC Pipe Conduit 3/4*Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4*Ø (20mm) RSC Pipe Conduit Coupling 3/4*Ø (20mm) RSC Pipe Conduit Coupling 3/4*Ø (20mm)	pc pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00 26.00 26.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) Laundry Area RSC Pipe Conduit 3/4*Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4*Ø (20mm) RSC Pipe Conduit Coupling 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm)	pc pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00 26.00 26.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) Laundry Area RSC Pipe Conduit 3/4*Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4*Ø (20mm) RSC Pipe Conduit Coupling 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm) Emergency Button with Enclosure	pc pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00 26.00 26.00 26.00
PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4'Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4'Ø (20mm) PVC Long Elbow 3/4'Ø (20mm), (Schedule 80) PVC Locknut & Bushing 3/4'Ø (20mm) Elbow 3/4'Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4'Ø (20mm) RSC Pipe Conduit Coupling 3/4'Ø (20mm) RSC Pipe Locknut 3/4'Ø (20mm) RSC Pipe Bushing 3/4'Ø (20mm) RSC Pipe Bushing 3/4'Ø (20mm) Emergency Button with Enclosure PVC Electrical Conduit 3/4'Ø (20mm), 10ft (Schedule 80)	pc pc pc pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00 26.00 26.00 26.00 2.00
PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY ALL BED ROOM (7 PAX ROOM(1,2) PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) WATER HEATER SUPPLY REGIONAL DIRECTOR & ASSISTANT REGIONAL DIRECTOR ROOM PVC Electrical Conduit 3/4*Ø (20mm), 10ft (Schedule 80) PVC Electrical Conduit Coupling 3/4*Ø (20mm) PVC Long Elbow 3/4*Ø (20mm), (Schedule 80) PVC Lockmut & Bushing 3/4*Ø (20mm) Laundry Area RSC Pipe Conduit 3/4*Ø (20mm), 10ft RSC Pipe Conduit Elbow 3/4*Ø (20mm) RSC Pipe Conduit Coupling 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm) RSC Pipe Bushing 3/4*Ø (20mm) Emergency Button with Enclosure PVC Electrical Conduit 3/4*Ø (20mm),	pc pc pc pc pc pc pc pc pc pc pc	1,070.00 375.00 375.00 63.00 126.00 45.00 45.00 43.00 43.00 14.00 7.00 26.00 26.00 26.00

*	Adjusted Unit Cost (H/Quantity)			Php
	Adjusted Total Cost (D+E+F+G)		470 0	Php
	Value Added Tax (VAT)		5% o	f (D+E+F)
	Contractor's Profit			% of D.
_	Overhead, Contingencies and Miscellaneous (OCM)			% of D.
-	Sub-Total (Materials) Direct Cost (A+B+C)		711	Php Php
_	Out Total (Materials)			Dian
	PVC Locknut & Bushing 3/4*Ø (20mm)	pc	12.00	
	PVC Long Elbow 3/4°Ø (20mm), (Schedule 80)	pc	12.00	
	PVC Electrical Conduit Coupling 3/4'Ø (20mm)	pc	32.00	
	PVC Electrical Conduit 3/4°Ø (21mm),	pc	16.00	
	MALE AND FEMALE PUBLIC COMFORT ROOM	0.003	-110V.X.21	
	PVC Locknut & Bushing 3/4'Ø (20mm)	pc	3.00	
	PVC Long Elbow 3/4'Ø (20mm), (Schedule 80)	pc	3.00	
	PVC Electrical Conduit Coupling 3/4°Ø (20mm)	pc	8.00	
	PVC Electrical Conduit 3/4'Ø (21mm),	pc	4.00	
	KITCHEN EXHAUST		10.35 octobril	
	AMP, 230V) - Dark Wood	p.	2.4.5546	
	Single Pole Wall Switch in One Switch Plate (10	pe	1,00	
	Color Rendering Index (CRI) > 80			
	Beam Angle: 110°,			
	Cut-Out Size: Ø200mm,			
	Dimension: Ø215mm x 19mm,		2000	
	1300 Lumen, 6500k (Daylight),	pc	2.00	
	18 Watts, AC 100-240V,			
	LED Round Recessed Slim Downlight			
	(2)	550		
	PVC Locknut & Bushing 3/4°Ø (20mm)	pc	5.00	
	PVC Long Elbow 3/4'Ø (20mm), (Schedule 80)	pc	5.00	
	PVC Electrical Conduit Coupling 3/4°Ø (20mm)	pc	12.00	
	PVC Electrical Conduit 3/4'Ø (21mm),	pc	6.00	
	PWD TOILET EXHAUST	10000	5-52-574.50	
	PVC Locknut & Bushing 3/4'@ (20mm)	pc	45.00	
	PVC Long Elbow 3/4'Ø (20mm), (Schedule 80)	pe	45.00	
	PVC Electrical Conduit Coupling 3/4°Ø (20mm)	pc	128.00	
	PVC Electrical Conduit 3/4'Ø (21mm),	pc	64.00	
	ROOMS EXHAUST			
	(TCO)			
	- Equipped with Resettable Thermal Cut-Off Fuse			
	- Max Airtiow: 230m²/min - Wall-Mounted Continuous Rotary Switch			
	- Max Speed: 350 RPM - Max Airflow: 230m³/min	(4.310.61	000-15000	
	- 3-Speed Settings - Max Speed: 350 RPM	set	4.00	
	- 90W		2-2-2-2	
	Blade			
	- 56' (1,400mm) 3-Leaf Metal Proppeller Type Fan			
	Ceiling Fan			
	Beam Angle: 110°, Color Rendering Index (CRI) > 80			
	Cut-Out Size: Ø200mm,			
	Dimension: Ø215mm x 19mm,	pc	13.00	
	1300 Lumen, 6500k (Daylight),		12.00	
	18 Watts, AC 100-240V,			
	LED Round Recessed Slim Downlight			
	AMP, 230V) - Dark Wood	pc	2.00	
	2 Single Pole Wall Switches in One Switch Plate (10	700	2.00	
	and Shutter Set - Dark Wood	pc	9.00	
	Duplex Universal Outlet with Ground			
	Octagonal Box (Junction Box), PVC	pc pc	13.00	
	3.5 mm ² THWN-2 Wire 100pcs Utility Box, PVC 2" x 4"	рс	11.00	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (i)

Description: Wires and Wiring Devices

Quantity: 1.00 Output: 0.004

			8		
۸.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman Skilled Laborer Unskilled Laborer	1 2 1	250.00 250.00 250.00		
	Pub Publication			Pal	
_	Sub-Total (Labor)	No. of	No. of	Php Hourly	
B.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	Cable Puller/Tensioner	2.00	50.00		
_	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	175 mm ^a THWN-2 Wire Copper Stranded	m.	342.00		
	100 mm ³ THWN-2 Wire Copper Stranded	m	156.00		
	50 mm ³ THWN-2 Wire Copper Stranded	m	195.00		
	38 mm ² THWN-2 Wire Copper Stranded	m	403.00		
	30 mm ³ THWN-2 Wire Copper Stranded	m	90.00		
	14.0 mm ⁸ Box of 150 Meters THWN-2 Wire Copper Stranded	set	49.00		
	8.0 mm* Box of 150 Meters THWN-2 Wire Copper Stranded	set	4.00		
	5.5 mm ² Box of THWN-2 Wire Copper Stranded	set	4.00		
	3.5 mm ² Box of THWN-2 Wire Copper Stranded	set	53.00		
	Sub-Total (Materials)	-		Php	
D.	Direct Cost (A+B+C)			Php	
E.	Overhead, Contingencies and Miscellaneous (OCM)			% of D.	
F.	Contractor's Prefit			% of D.	
G.	Value Added Tax (VAT)			5% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)			Php	
I.	Adjusted Unit Cost (H/Quantity)			Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: E 10 (j)

Description: Panel Board and Circuit Protections

Quantity: 1.00 Output: 0.004 Unit: Ls

	h			Unit:	100
Α.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	250.00		
	Skilled Laborer	1	250.00		
	Unskilled Laborer	1	250.00		
	Waynest Andrews				
	Sub-Total (Labor)	No. of	No. of	Hourly	
В.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	Electric Chisel Hammer	2	50.00		
	Electric Grinder	2	50.00		
	Electric Hand Drill	2	50.00		
	Sub-Total (Equipment)		00.00	Php	
C.	Name / Specification (Materials)	Unit	Quantity	Unit	Amount
	PP-1 POWER PANEL SESSION HALL, MESS HALL, CORRIDOR, ADMIN OFFICE, KITCHEN & STORAGE AREA MAIN PROTECTION: 60AT/100AF,3P,230V,15KAIC BOLT ON TYPE BRANCHES: 18-20AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS PP-2 POWER PANEL TYPICAL ROOMS MAIN	assy	1.00		
	PROTECTION: 125AT/125AF,3P,230V,15KAIC BOLT ON TYPE BRANCHES:33-20AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS	assy	1.00		
	LP-1 LIGHTING PANEL SESSION HALL, MESS HALL, CORRIDOR, ADMIN OFFICE, KITCHEN & STORAGE AREA MAIN MAIN PROTECTION: 60AT/100AF,3P,230V,15KAIC BOLT ON TYPE BRANCHES: 22-15AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS	авеу	1.00		
	LP-2 LIGHTING PANEL TYPICAL ROOMS MAIN PROTECTION: 60AT/100AF,3P,230V,15KAIC BOLT ON TYPE BRANCHES: 31-15AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS	assy	1.00		
	ACUP-1 AIRCONDITIONING UNIT PANEL SESSION HALL AND DWELLING UNIT MAIN PROTECTION: 200AT/225AP,3P,230V,25KAIC BOLT ON TYPE BRANCHES: 4-60AT 3P, & 24-20AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS	assy	1.00		

	Adjusted Total Cost (D+E+F+G) Adjusted Unit Cost (H/Quantity)			Php Php	
_	Value Added Tax (VAT)			5% of (D+E+F)	
_	Contractor's Profit			% of D.	
	Overhead,Contingencies and Miscellaneous (OCM)			% of D.	
	Direct Cost (A+B+C)			Php	
	Sub-Total (Materials)	-		Php	
	Green Light - Generator Power Mode				
	Red Light - Utility Power Mode				
	Current & Temperature) Indicator Light:				
	Include: Monitoring Device (Status of Voltage,	assy	1.00		
	Include: All Accessories, Controls & Wiring Devices,	5000000	1 80		
	Circuit Breakers: 2 -800AT 3P Switching Mechanism: Molded Case Type				
	Enclosure: NEMA - 3R				
	Specification: Transition Type: Open Transition				
	AUTOMATIC TRANSFER SWITCH				
	700AT 3P MCCB IN SURFACE MOUNTED NEMA-4X ENCLOSURE WITH GROUND TERMINAL LUGS	0000000	e-constant.		
	800AT/800AF,3P,230V,60KAIC MOLDED CASE CIRCUIT BREAKER BRANCHES: 1-800AT 3P & 1-	assy	1.00		
	MSB MAIN SWITCH BOARD MAIN PROTECTION:				
	200AT 3P & 1-400AT 3P MCCB IN FLUSH MOUNTED NEMA-3R ENCLOSURE WITH GROUND TERMINAL LUGS	assy	1.00		
	PROTECTION: 800AT/800AF,3P,230V,60KAIC MOLDED CASE CIRCUIT BREAKER BRANCHES: 5-60AT 3P,1-70AT 3P, 2-125AT 3P, 2-		1.00		
	GROUND TERMINAL LUGS MDP MAIN DISTRIBUTION PANEL MAIN				
	BRANCHES: 6-60AT 2P BOLT-ON IN FLUSH MOUNTED MOUNTED NEMA-1 ENCLOSURE WITH	assy	1.00		
	ACU SPARE PANEL MAIN PROTECTION: 125AT/125AF,3P,230V,15KAIC BOLT ON TYPE				
	GROUND TERMINAL LUGS				
	BRANCHES: 8-15AT 2P & 10-20AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH	assy	1.00		
	PROTECTION: 60AT/100AF,3P,230V,15KAIC BOLT ON TYPE		33,54000		
	POWER & LIGHTING SPARE PANEL MAIN				
	ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS	assy	1.00		
	PLLP POWER & LIGHTING LAUNDRY PANEL MAIN PROTECTION: 60AT/100AF,3P,230V,15KAIC BOLT ON TYPE BRANCHES: 8-20AT & 2-30AT 2P BOLT-	133355	7272227		
	ENCLOSURE WITH GROUND TERMINAL LUGS				
	400AT/400AF,3P,230V,30 KAIC MOLDED CASE CIRCUIT BREAKER BRANCHES: 28-20AT & 5-30AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1	assy	1.00		
	WHP WATER HEATER PANEL MAIN PROTECTION:				
	ON TYPE BRANCHES: 6-60AT 2P & 12-20AT 2P BOLT-ON IN FLUSH MOUNTED NEMA-1 ENCLOSURE WITH GROUND TERMINAL LUGS	assy	1.00		
	PROTECTION: 200AT/225AF,3P,230V,25KAIC BOLT				

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 10 (a)

Description: Removal of Old Wires and Electrical Equipment & Devices

Quantity: 1.00 Output: 1.00 Unit: Ls

Unit: Ls					
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Unskilled Laborer	2	74		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Jack Hammer Drill Electric Grinder	2 2	50 50		
	Electric Hand Drill Truck Mounted Crane (20 - 25mT)	2	50 8		
	Bucket Truck	2	8		
	Sub-Total (Equipment)			Php	
C,	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Removal of Pole Type Distribution Transformer, 37.5 KVA	Ls	1.00		
	Removal of Existing Wires within Pole Type Distribution Transformer, Current Transformer & Meter Assembly	Ls	1.00		
	Removal of Molded Case Type Automatic Transfer Switch with 2-500 AT 3P Molded Case Breaker	Ls	1.00		
	Removal of Contactor Type Automatic Transfer Switch with 1-630 AT 3P Molded Case Breaker	Le	1.00		
	Removal of Flush Mounted NEMA 3R Panelboard in Service Entrance Concrete Post (Main: 500 AT 3 Pole MCCB)	Ls	1.00		
	Removal of Existing Wires in Service Entrance Concrete Post	Ls	1.00		

	Panelboard (Main: 500 AT 3 Pole MCCB, Branches: 1-225 AT 3 Pole, 1-200AT 3 Pole, 1-100AT 2 Pole & 1-	Ls	1.00	
	125AT 2 Pole Bolt-on			
	Removal of Flush Mounted NEMA 1 Panelboard	Kess.		
	(Main: 225 AT 3 Pole Bolt On, Branches: 4- 60AT 3 & 24-20AT 2 Pole Bolt On)	Ls	1.00	
	Removal of Flush Mounted NEMA 1 Panelboard			
	(Main: 200 AT 3 Pole Bolt On, Branches: 4- 60AT 2 Pole Bolt On & 10-20AT 2 Pole Bolt On)	Ls	1.00	
	Removal of Flush Mounted NEMA 1 Panelboard	K1991	SINGS -	
	(Main: 100 AT 2 Pole Bolt On, Branches: 18- 20AT 2 Pole Bolt On)	Ls	1.00	
	Removal of Flush Mounted NEMA 1 Panelboard			
	(Main: 125 AT 2 Pole Bolt On, Branches: 20- 20AT 2 Pole Bolt On)	Ls	1.00	
	Removal of Wires and Conduit within Main Switch Board, Main Distribution Panel,	7.65	2000	
	Automatic Transfer Switch, Back-Up Generator Set and Panelboards	Le	1.00	
	CEILING LIGHTING FIXTURES - Ceiling			
	Eaves, Corrigidors, Common Area, Lounge and Ceiling at Front Facade			
	Removal of Vertical Downlight Recessed Type	Ls	1.00	
_	Sub-Total (Materials)			Php
	Direct Cost (A+B+C)			Php
9	Overhead, Contingencies and Miscellaneous [OCM]			of D.
_	Contractor's Profit		- Chicke	of D.
_	Value Added Tax (VAT)		5% of (D+	t and the second
L	Adjusted Total Cost (D+E+F+G)			Php

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 11 (a)

Description: Waterline Works

Quantity: 1.00 Output per hour: 1.00

Unit: Ls

		and the same of th	ar and the same of	Unit:	Ls
Α.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	328.00		
	Skilled Laborer	1	328.00		
	Unskilled Laborer	1	328.00		
	Sub-Total (Labor)		y	Php	
_		No. of	No. of	Hourly	
B.	Name / Capacity (Equipment)	Units	Hours	Rate	Amount
	Sub-Total (Equipmen	t)	8 8	Php	10
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Waterline Works	40000	THE LAND AND ADDRESS OF THE PARTY AND ADDRESS		
	Faucet, Lavatory	set	29.00		
	Faucet, Hose Bibb, Brass 1/2°Ø	pc	6.00		
	Teflon Tape	roll	10.00		
	PP-R Pipe 1/2"Ø x 4.0m, PN10	pc	109.00		
	PP-R Pipe 3/4°Ø x 4.0m, PN10	pc	14.00		
	PP-R Pipe 1"Ø x 4.0m, PN10	pc	18.00		
	PP-R Pipe 1-1/4°Ø x 4.0m, PN10	pc	7.00		
	PP-R Pipe 1-1/2°Ø x 4.0m, PN10	pc	19.00		
	PP-R Pipe 2"Ø x 4.0m, PN10	pc	46.00		
	PP-R Pipe 2-1/2*Ø x 4.0m, PN10	pc	2.00		
	PP-R Pipe 1/2°Ø x 4.0m, PN16	pc	22.00		
	PP-R Pipe 1"Ø x 4.0m, PN16	pc	9.00		
	PP-R Elbow 90' x 1/2"Ø	pc	204.00		
	PP-R Elbow 90' x 3/4'Ø	pc	4.00		
	PP-R Elbow 90" x 1"Ø	pc	11.00		
	PP-R Elbow 90° x 1-1/4°Ø	pc	12.00		
	PP-R Elbow 90' x 1-1/2'Ø	pc	7.00		
	PP-R Elbow 90" x 2"Ø	pc	22.00		
	PP-R Elbow 90° x 2-1/2°Ø	pc	2.00		
	PP-R Tee x 1/2'Ø	pc	78.00		
	PP-R Tee x 3/4"Ø	pe	3.00		
	PP-R Tee x 1 Ø	pc	4.00		
	PP-R Tee x 1-1/4"Ø	pc	2.00		
	PP-R Tee x 1-1/2°Ø	pc	2.00		

PP-R Tee x 2°Ø	pc	8.00
PP-R Tee x 2-1/2*Ø	pc	3.00
PP-R Coupling x 1/2'Ø	pc	42.00
PP-R Coupling x 3/4'Ø	pc	8.00
PP-R Coupling x 1'Ø	pc	10.00
PP-R Coupling x 1-1/4°Ø	pe	2.00
PP-R Coupling x 1-1/2*Ø	pc	16.00
PP-R Coupling x 2°Ø	pc	44.00
PP-R Threaded Female Adapter Coupling with	and the second	7.00
Brass 20mm x 1/2°Ø	pe	1,00
PP-R Threaded Male Adapter Coupling with Brass 40mm x 1-1/4°Ø	pe	3.00
PP-R Threaded Male Adapter Coupling with Brass50mm x 1-1/2™	pe	2.00
PP-R Threaded Male Adapter Coupling with Brass 63mm x 2°Ø	pc	5.00
PP-R Gate Valve x 1/2"Ø	pc	41.00
PP-R Gate Valve x 1"Ø	pc	2.00
PP-R Gate Valve x 1-1/4°Ø	pc	1.00
PP-R Gate Valve x 1-1/2°Ø	pc	2.00
PP-R Gate Valve x 2"Ø	pc	6.00
PP-R Threaded Female Union 32mm x 1'Ø, Plastic to Brass	pe	2.00
PP-R Threaded Female Union 40mm x 1-1/4*Ø, Plastic to Brass	pc	3.00
PP-R Threaded Female Union 50mm x 1-1/2*Ø, Plastic to Brass	pe	2.00
PP-R Threaded Female Union 63mm x 2°Ø, Plastic to Brass	pe	1.00
PP-R Coupling Union 63mm x 2°Ø, Plastic to Plastic	pc	1.00
PP-R Threaded Female Tee 20mm x 1/2°0	pc	35.00
PP-R Threaded Female Tee with Brass 25mm x 1/2°Ø	pc	3.00
PP-R Threaded Female Tee 32mm x 1°Ø	pe	1.00
PP-R Threaded Female Elbow With Brass 90° 20mm x 1/2°Ø	pc	183.00
PP-R Tee Reducer 3/4" x 1/2" x 3/4"Ø	pc	6.00
PP-R Tee Reducer 1' x 1/2' x 1'Ø	pc	10.00
PP-R Tee Reducer 1-1/2" x 1/2" x 1-1/2"Ø	pc	4.00
PP-R Tee Reducer 1-1/2" x 3/4" x 1-1/2"Ø	pc	1.00
PP-R Tee Reducer 1-1/2" x 1" x 1-1/2"Ø	pc	1.00
PP-R Tee Reducer 2' x 1/2' x 2'Ø	pc	4.00
PP-R Tee Reducer 2" x 1" x 2"Ø	pc	3.00
PP-R Tee Reducer 2-1/2" x 1-1/2" x 2-1/2"Ø	pc	1.00
PP-R Tee Reducer 2-1/2" x 2" x 2-1/2"Ø		4.00
PP-R Coupling Reducer 3/4" x 1/2"Ø	pc	13.00
PP-R Coupling Reducer 1' x 1/2'Ø	pc	10.000000000000000000000000000000000000
PP-R Coupling Reducer 1' x 3/4'Ø	pc	4,00
PP-R Coupling Reducer 1-1/4" x 1/2"Ø	pc	3.00
이렇게 되어 마이어를 가득하게 하면 하게 되는 것이 되었다. 그 아이는 아이는 사람들이 되었다면 하게 되었다.	pc	1.00
PP-R Coupling Reducer 1-1/4" x 3/4"Ø PP-R Coupling Reducer 1-1/4" x 1"Ø	pc	1.00
PP-R Coupling Reducer 1-1/4" x 1 0 PP-R Coupling Reducer 1-1/2" x 1/2"0	pe	3.00
공항 경험을 하면 하는 사람들이 사이를 하는 사람들이 되었다면 하는데	pc	2.00
PP-R Coupling Reducer 1-1/2" x 1" Ø	pc	1.00
PP-R Coupling Reducer 2" x 1-1/2"Ø	pc	3.00
PP-R Elbow Reducer 3/4" x 1/2"Ø	pc	1.00
Check Valve 2"Ø, Brass Swing type	pc	4.00
Check Valve 1-1/2*Ø, Brass Swing type	pc	2.00
Check Valve 1-1/4"Ø, Brans Swing type	pc	2.00
Check Valve 1"Ø, Brass Swing type Threaded	pe	2.00

D	out to pulse post of the state		2.00	
Includes 2 thread with pressure	Switch Regulator, Diaphragm actuated, 2 1/4-inch poles, 18 NPSF internal th 1/4 opening, 220 PSI maximum rating with low pressure cut-off at 40 Water Pump capacity	set		
Float Valv	re Brass 1-1/2"Ø inlet with stainless	pc	1.00	
Threaded Female B	Reducer Bush, Male BSP 1/2in to SP 1/4in	pc	4.00	
Stainless	Steel Barrel Nipple, 1"Ø	pc	2.00	
\$15.00 to \$15.00 to \$15.00 to	Steel Barrel Nipple, 1-1/4"Ø	pc	2.00	
The second secon	Steel Barrel Nipple, 2"0	pe	3.00	
Pressure	Steel Barrel Nipple, 1/4*Ø Guage 2*Ø Dial Face 100PSI, Oil Filled, inted 1/4*Ø	pc pc	2.00	
Impeller M Suction P Discharge Max Flow Volts: 220 AMP: 9A Max. Tota	Vell Jet Pump 2HP Material: Stainless Steel 304/ Brass ort (in.): 1.25" Port (in.): 1" (GPH): 2376 GPH (39.6 gal/min) IV - Single Phase I Head (ft.): 154ft tion Lift (ft.): 26.2ft 68psi	ре	2.00	
Nominal V 10 Bar (1- 2"Ø Conn Built in P With Buty	ank -Vertical /olume: 750 Liters Capacity 45 psi) Pressure Rating ection ressure Guage // interchangable membrane emperature: -5°C - 90°C	pe	1.00	
Two way a	angle Valve, 1/2°Ø x 1/2°Ø, Stainless	pc	45.00	
steel	angle Valve, 1/2"Ø x 1/2"Ø, Stainless	pc	38.00	
ALCOHOLOGICA CONTRACTOR	lose, 1/2°Ø x 0.5m	pc	96.00	
	1/2°Ø, with complete accessories	set	38.00 6.00	
The state of the s	exible Hose with Hand shower head sories, 1/2'Ø x 1.5m, Stainless Steel	set	5.50	
THE RESERVE AND ADDRESS OF THE PERSON OF THE	ixer with Faucet, Hot and Cold, with Fittings stainless Steel 304	pc	34.00	
Stainless		pc	10.00	
Urinal Pu 1/2*Ø	sh type Flush Valve, Stainless Steel	set	4.00	
Stainless	Steel Barrel Nipple, 1/2°Ø x 1-1/2°	pc	62.00	
A DESCRIPTION OF TAXABLE PARTY.	Rail I-1/2*Ø	set	2.00	
PP-R Cou	pling Reducer 1-1/2" x 1-1/4" Ø	pc	2.00	
Inc	Sub-Total (Materials)		Php	
	ost (A+B+C) Contingencies and Miscellaneous (OCM)	N .	Php % of D.	
Contracto		1	% of D.	
	ied Tax (VAT)		5% of (D+E+F)	
	Total Cost (D+E+F+G)		Php	
	Unit Cost (H/Quantity)		Php	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 12 (a)

Description: Sewer Line Works

Quantity: 1.00 Output: 1.00 Unit: I.s

				Unit:	.s
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1	229		
	Skilled Laborer	1	229		
		1	400000		
	Unskilled Laborer	1	229		
	Sub-Total (Labor)			Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
				20000	
	Sub-Total (Equipment)			Php	
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	PVC Sanitary Elbow 90° x 4°Ø	pc	2.00		
	PVC Sanitary Elbow 90° x 3°Ø	pc	38.00		
	PVC Sanitary Elbow 90° x 2°Ø	pc	42.00		
	PVC Sanitary Elbow 1/8 x 4'Ø	pc	101.00		
	PVC Sanitary Elbow 1/8 x 3°Ø	pe	241.00		
	PVC Sanitary Elbow 1/8 x 2°Ø	pc	172.00		
	PVC Sanitary Wye 4" x 4"	pc	45.00		
	PVC Sanitary Wye 3" x 3"	pc	11.00		
	PVC Sanitary Tee 4" x 4"	pe	3.00		
	PVC Sanitary Tee 2' x 2"	pc	123.00		
	Ceramic Soap Holder	pc	34.00		
	PVC Sanitary Pipe 2°Ø x 3.0m, S1000	pc	55.00		
	PVC Sanitary Pipe 3°Ø x 3.0m, S1000	pe	85.00		
	PVC Sanitary Pipe 4°Ø x 3.0m, S1000	pc	93.00		
	PVC Sanitary Socket 2'Ø	pe	19.00		
	PVC Sanitary Socket 4'Ø	pc	61.00		
	PVC Sanitary Clean-out 3°Ø, W/ plug and Seal Ring	pc	26.00		
	PVC Sanitary Clean-out 4°Ø, W/ plug and Seal Ring	pc	22.00		
	PVC Sanitary Tap Tee 90° x 10° Ø, 2° x 1-1/2°	pc	31.00		
	PVC Sanitary P Trap 2°Ø, With 1/8 Bend	pe	47.00		
	PVC Sanitary Eccentric Bushing Reducer , 3" x 2"	pc	9.00		
	PVC Sanitary Eccentric Bushing Reducer , 4" x 3"	pe	5.00		
	PVC Sanitary Tee Reducer 3' x 2"	pe	140.00		

	Adjusted Total Cost (D+E+F+G) Php Adjusted Unit Cost (H/Quantity) Php			William III .
G. 1	Value Added Tax (VAT)		5% of (D+E	
-	Contractor's Profit		% 0	District Co.
			% 0	and market in
	Direct Cost (A+B+C)		Php	
	Sub-Total (Materials)			Php
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Square PVC Concentric Bushing Reducer, 4" x 2"Ø PVC Concentric Bushing Reducer, 4" x 3"Ø PVC Cement, 1 Liter PVC Sanitary Tee 3" x 3" Lavatory P-trap with Clean out, PVC, 1-1/2"Ø Lavatory strainer with Tail Piece, Stainless Steel Aluminum Foil Air Duct, 4"Ø x 5m Aluminum Duct tape, 4" x 47.5m Stainless Hose Clamp, 4"Ø Aluminum Steel Round Airvent, 100mmØ, With Insect Mesh	pc pc can pc pc pc set pc pc pc pc		
40	PVC Sanitary Wye Reducer 4" x 3" Stainless Steel Sanitary Clean-Out 6" x 5" x 3"Ø, Square Stainless steel Sanitary Clean-Out 4" x 4" x 2"Ø,	pc pc	24.00 79.00	

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 12 (b)

Description: Sanitary/ Plumbing Fixtures

Quantity: 1.00 Output: 1.00

				Unit: 1	.5
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1.	229		
	Skilled Laborer	1	229		
	Unskilled Laborer	1	229		
	Chicago Carreto	- 57			
	Sub-Total (Labor)			Php	
B.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
		Units			
	Sub-Total (Equipment)			Php	
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Water Closet 1.6gpf with Accessories	set	38.00		
	Urinal 0.8gpf	net net	4.00		
	Levatory, Pedestal Type with Accessories	set	1.00		
	Tissue Holder	pc:	31.00		
	S.S. Floor Drain 4' x 4'	set.	46.00		
	Urinal Push type Flush Valve, Stainless Steel 1/2'0	set	4.00		
	both towel Shelf, 600mm. Stainless Steel	pe	34.00		
	Ceramic Scap Holder	pc.	34.00		
	Water Closet Flange, With Wax Gasket, Flat- Head Fixing Bolt, Metal Screw w/ Expansion Plug and Bolt Cover	set	38,00		
	Steinless Steel Grease Trap, 10 GPM Capacity	eat	1.00		
	Lavatory, Vessel type, With Fittings and Accesories	set	8.00		
	Silicone Sealant, 300ml Construction Grade	pe	41.00		
D.	Sub-Total Materials) Direct Cost (A+B+C)			Php	
E.	Overhead Contingencies and Miscellaneous (OC	Mi		% of D.	
P.	Contractor's Profit	mi		% of D.	
G.	Value Added Tax (VAT)		0	% of (D+E+F)	
H.	Adjusted Total Cost (D+E+F+G)		2	Php	
1.	Adjusted Unit Cost (H/Quantity)			Php	

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project :

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 13 (a)

Description: Masonry Painting

Quantity: 2806.90 Output per hour: 2.10

			Unit: sq.m			
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman	1	1,336.62			
	Skilled Laborer	2	1,336.62			
	Unskilled Laborer	1	1,336.62			
100	Sub-Total (Labor)			Php		
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
-	Sub-Total (Equipment)			Php		
C.	Name / Specification (Materials)	Unit	Quantity	Unit	Amount	
	Latex, Flat	gal	123.25			
	Masonry Putty	gal	193.75			
	Latex, Semi Gloss	gal	241.75			
	Paint Thinner	gal	131.50			
	Gypsum Joint Compound , 15 kg/ bag	bag	321.00			
	Fiberglass Mesh Tape,2" x 100ft /50mm,Self Adhesive	pc	75.00			
	Sub-Total (Materials)	2	1	Php		
D.	Direct Cost (A+B+C)			Php		
E.	Overhead, Contingencies and Miscellaneous (OC	M)		% of D.		
F.	Contractor's Profit % of D.					
G.	Value Added Tax (VAT)		5%	of (D+E+F)		
H.	Adjusted Total Cost (D+E+F+G)			Php		
1.	Adjusted Unit Cost (H/Quantity)			Php		

Project : REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St. Malvar, Batangas, Philippines

Item: 13 (b)

Description: Wooden Painting

Quantity: 786.17 Output per hour: 1.89

	W			Unit: s	q.m	
Α.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman	1	415.96			
	Skilled Laborer	2	415.96			
	Unskilled Laborer	1	415.96			
	Sub-Total (Labor)			Php		
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
_	Sub-Total (Equipment)			Pho		
C.	Name / Specification (Materials)	Unit	Quantity	Unit	Amount	
				Cost		
	Acri Color	qrt	13.75			
	Enamel, Flatwall	gal	73.25			
	Glazing Putty	gal	33.25			
	Enamel, Semi Gloss	gal	66.00			
	CONTRACTOR	150000	1000000			
	Paint Thinner	gal	28.75			
	Sub-Total (Materials)			Php		
D.	Direct Cost (A+B+C)			Php		
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.					
F.	Contractor's Profit		N.C.A.	% of D.		
G.	Value Added Tax (VAT) 5% of (D+E+F)					
H.	Adjusted Total Cost (D+E+F+G)			Php		
1,	Adjusted Unit Cost (H/Quantity)			Php		

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project :

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 13 (c)

Description: Metal Painting

Quantity: 1594.95 Output per hour: 2.00

-51		en made excell		Unit: sq.m		
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman	1	797.47			
	Skilled Laborer	2	797.47			
	Unskilled Laborer	1	797.47			
	Sub-Total (Labor)			Php		
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
	est matter			PI.		
C.	Sub-Total (Equipment		0	Php		
<u>.</u>	Name / Specification (Materials)	Unit	Quantity	Cost	Amount	
	Lacquer Thinner	gal	140.25			
	Primer, Red Oxide	gal	18.50			
	Enamel, Semi Gloss	gal	140.25			
	Sub-Total (Materials) Php					
D.	Direct Cost (A+B+C) Php					
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.					
F.	Contractor's Profit % of D.					
G.	Value Added Tax (VAT) 5% of (D+E+F)					
H.	Adjusted Total Cost (D+E+F+G) Php					
1.	Adjusted Unit Cost (H/Quantity) Php					

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 14 (a)

Description: Glazed Tiles and Trims

Quantity: 554.79 Output: 1.37 Unit: so.m

		44		Unit: 8	q.m.
۸.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount
	Construction Foreman	1/	406		
	Skilled Laborer		406		
	Unskilled Laborer	5	406		
			3.5-5		
	Sub-Total (Labor)	31 33		Php	
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount
	Electric Grinder	2.00	203.22		
_	Sub-Total (Equipmen	t)		Php	
c,	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount
	Ceramic Outdoor Wall Tile 20cm x 40cm	pc	199.00		
	Glazed Wall Tiles 60cm x 60cm	pc	1,578.00		
	Tile Adhesive 25 kg/bag	bag	228.00		
	Tile Grout 5 kg/bag	bag	50.00		
	Portland Cement	bag	329.00		
	Washed Sand	cu.m	30.25		
	Tile Trim 6mm	pc	111.00		
	Sub-Total (Materials) Php				
D.	Direct Cost (A+B+C) Php				
B	Overhead, Contingencies and Miscellaneous (OCM) % of D.				
F.	Contractor's Profit % of D.				
G.	Value Added Tax (VAT) 5% of (D+E+F)				
н.	Adjusted Total Cost (D+E+F+G) Php				
T	Adjusted Unit Cost (H/Quantity) Php				

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 14 (b)

Description: Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles

Quantity: 1141.35 Output: 1.95 Unit: sq.m.

	02	15.	Unit:				
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount		
	Construction Foreman	1	585				
	Skilled Laborer Unskilled Laborer	5 5	585 585				
	Sub-Total (Labor)			Php			
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount		
	Electric Grinder	2.00	203.22				
	Sub-Total (Equipmen	t)		Php			
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount		
	Glazed Floor Tiles 30cm x 30cm	pc	1,159.00				
	Unglazed Floor Tiles 60cm x 60cm	pe	2,472.00				
	Tile Adhesive 25 kg/bag	bag	395.00				
	Tile Grout 5 kg/bag	bag	155.00				
	Portland Cement	bag	567.00				
	Washed Sand	cu.m	54.25				
	Sub-Total (Materials) Php						
D.	Direct Cost (A+B+C) Php						
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.						
F.	Contractor's Profit % of D.						
G.	Value Added Tax (VAT) 5% of (D+E+F)						
H.	Adjusted Total Cost (D+E+F+G) Php						
I.	Adjusted Unit Cost (H/Quantity) Php						

REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON] Project :

Location: P. Montecer St, Malvar, Batangas, Philippines

Item: 14 (LS-1)

Description: Removal of Tiles

Quantity: 1,262.67 Output: 5.94

				Unit: sq.m		
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman Skilled Laborer	1 1	213 213			
	Unskilled Laborer	4	213			
	Sub-Total (Labor)			Php		
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
	Jack Hammer Drill	2.00	159.50	50000		
	Sub-Total (Equipment			Php		
C.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount	
-	Sub-Total (Materials) Php					
D.	Direct Cost (A+B+C) Php					
E.	Overhead, Contingencies and Miscellaneous (OCM) % of D.					
F.	Contractor's Profit % of D.					
G.	Value Added Tax (VAT) 5% of (D+E+F)					
H.	Adjusted Total Cost (D+E+F+G) Php					
I.	Adjusted Unit Cost (H/Quantity) Php					

Project: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

Location: P. Montecer St., Malvar, Batangas, Philippines

Item: 15 (Ls-1)

Description: Ceiling Exhaust Fans and Air Vent Ducting

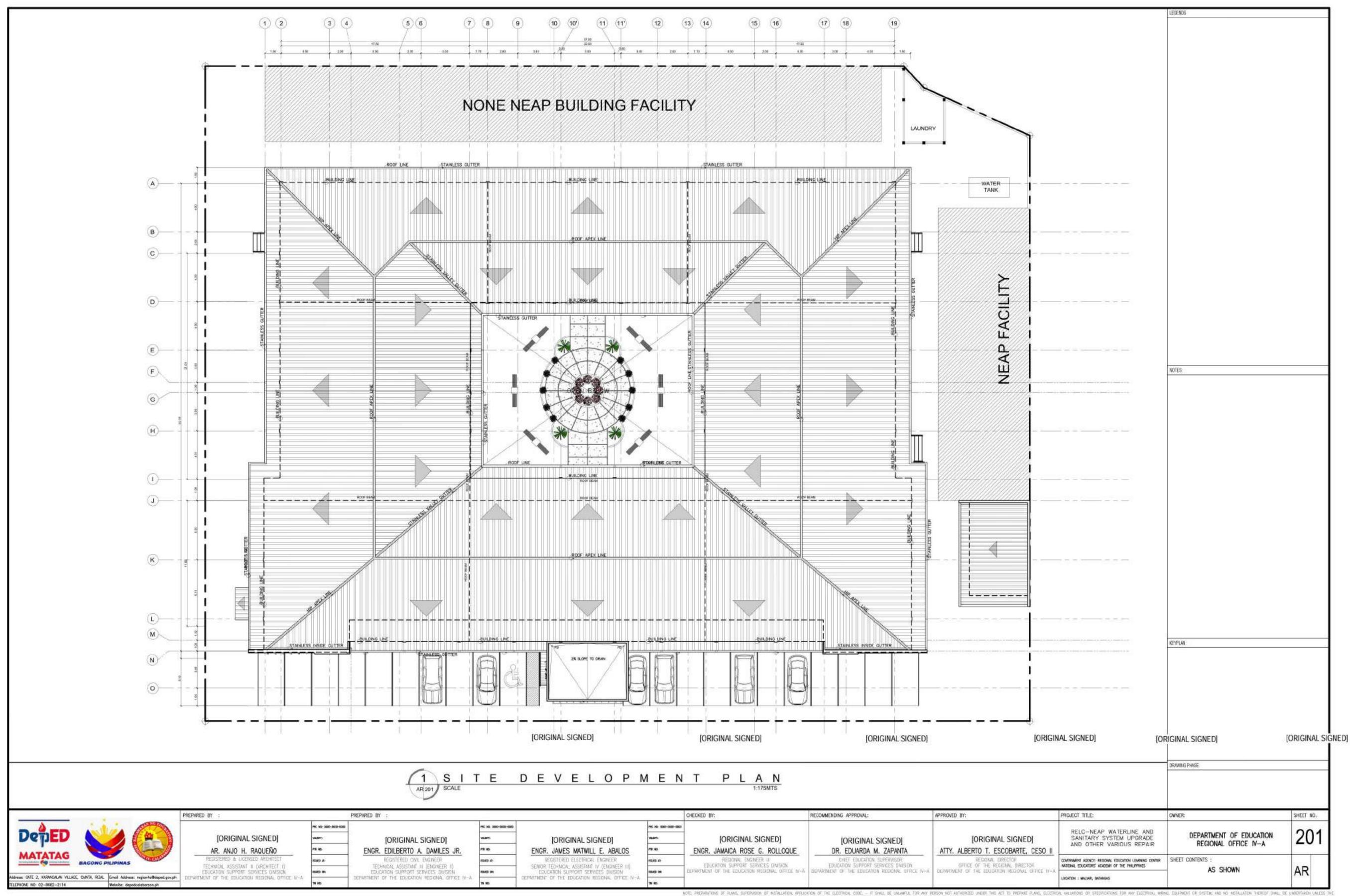
Quantity: 1.00 Output: 1.00 Unit: La

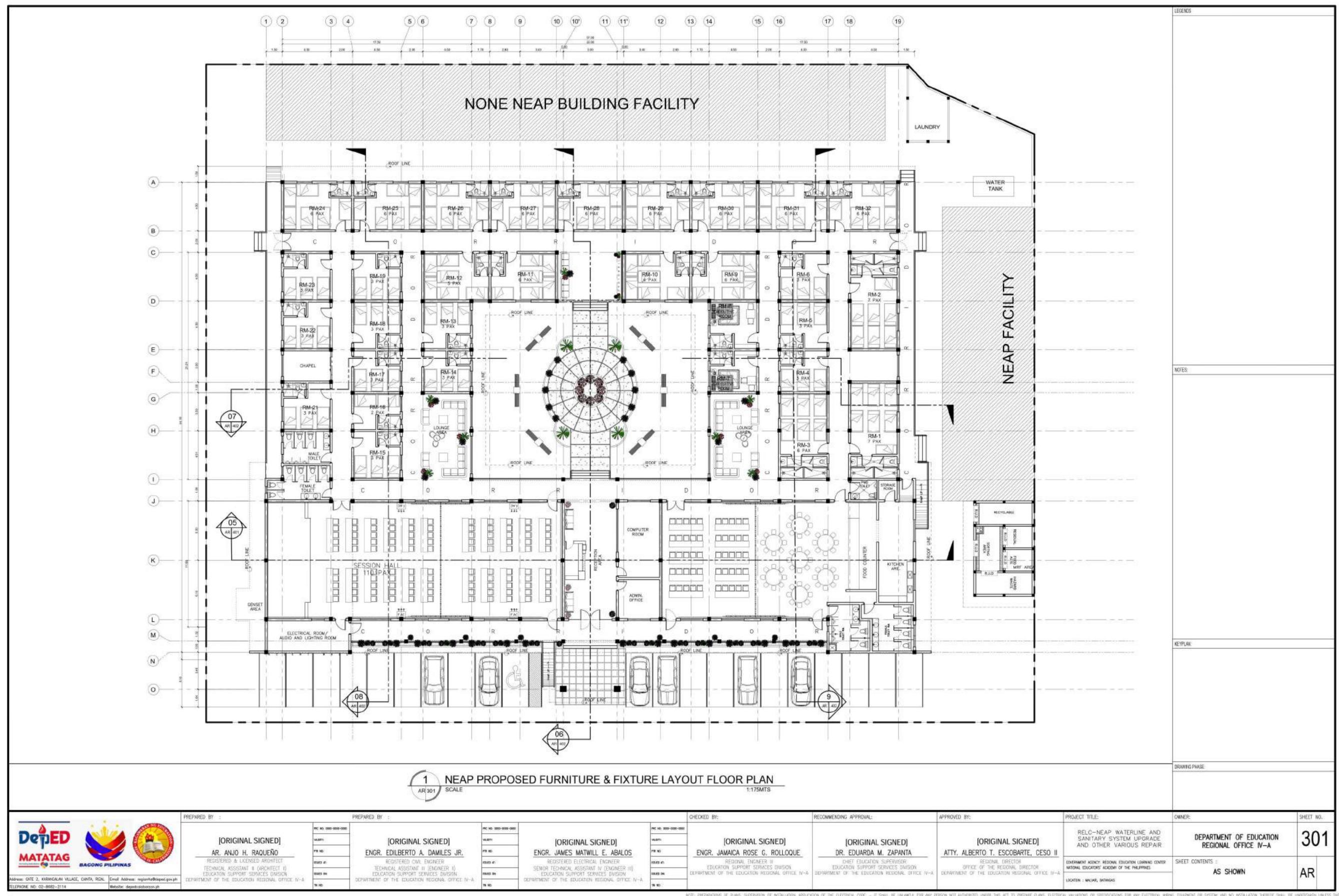
	22 80		- X	Unit: 1	La	
A.	Designation of Personnel	No. of Person	No. of Hours	Hourly Rate	Amount	
	Construction Foreman Skilled Laborer Unskilled Laborer	1 1 1	215 215 215			
	Sub-Total (Labor)			Php		
В.	Name / Capacity (Equipment)	No. of Units	No. of Hours	Hourly Rate	Amount	
	Sub-Total (Equipment) Php					
c.	Name / Specification (Materials)	Unit	Quantity	Unit Cost	Amount	
	Exhaust Fan, Blade size 6°, 20W, 71 CFM, white, Ceiling Mounted	pc	47.00			
	PVC Sanitary Ptpe 4'Ø x 3.0m, \$1000 PVC Sanitary Ptpe 6'Ø x 3.0m, \$1000 PVC Sanitary Socket 4'Ø PVC Sanitary Socket 6'Ø PVC Sanitary Elbow 1/8 x 4'Ø	pc pc pc pc	23.00 47.00 20.00 47.00 57.00			
	PVC Sanitary Wye Reducer, 6" x 4"	pc	37.00			
	PVC Sanitary Wye 4" x 4"	pe	24.00			
	PVC Sanitary Clean-out 4°0, W/ plug and Seal Ring	pc	10.00			
	PVC Sanitary Clean-out 6'0, W/ plug and Seal Ring	po	9.00			
	Aluminum Foil Air Duct, 4°Ø x 5m Aluminum Foil Air Duct, 6°Ø x 5m Aluminum Duct tape, 4° x 47.5m	pe pe	11.00 3.00 4.00			
	Stainless Hose Clamp, 410	pc	47.00			
	PVC Cement, I Liter Aluminum Steel Round Airvent, 150mm@, With	can	28.00			
	Insect Screen Mesh Aluminum Steel Round Airvent, 100mmØ, With Insect Mesh	pc pc	1.00			
_	Sub-Total (Materials)			Php		
D.				Php		
B.				% of D.		
P.	Contractor's Profit % of D.					
G.	Value Added Tax (VAT) 5% of (D+E+F)					
H.	Adjusted Total Cost (D+E+F+G) Php					
1.	Adjusted Unit Cost (H/Quantity)			Php		

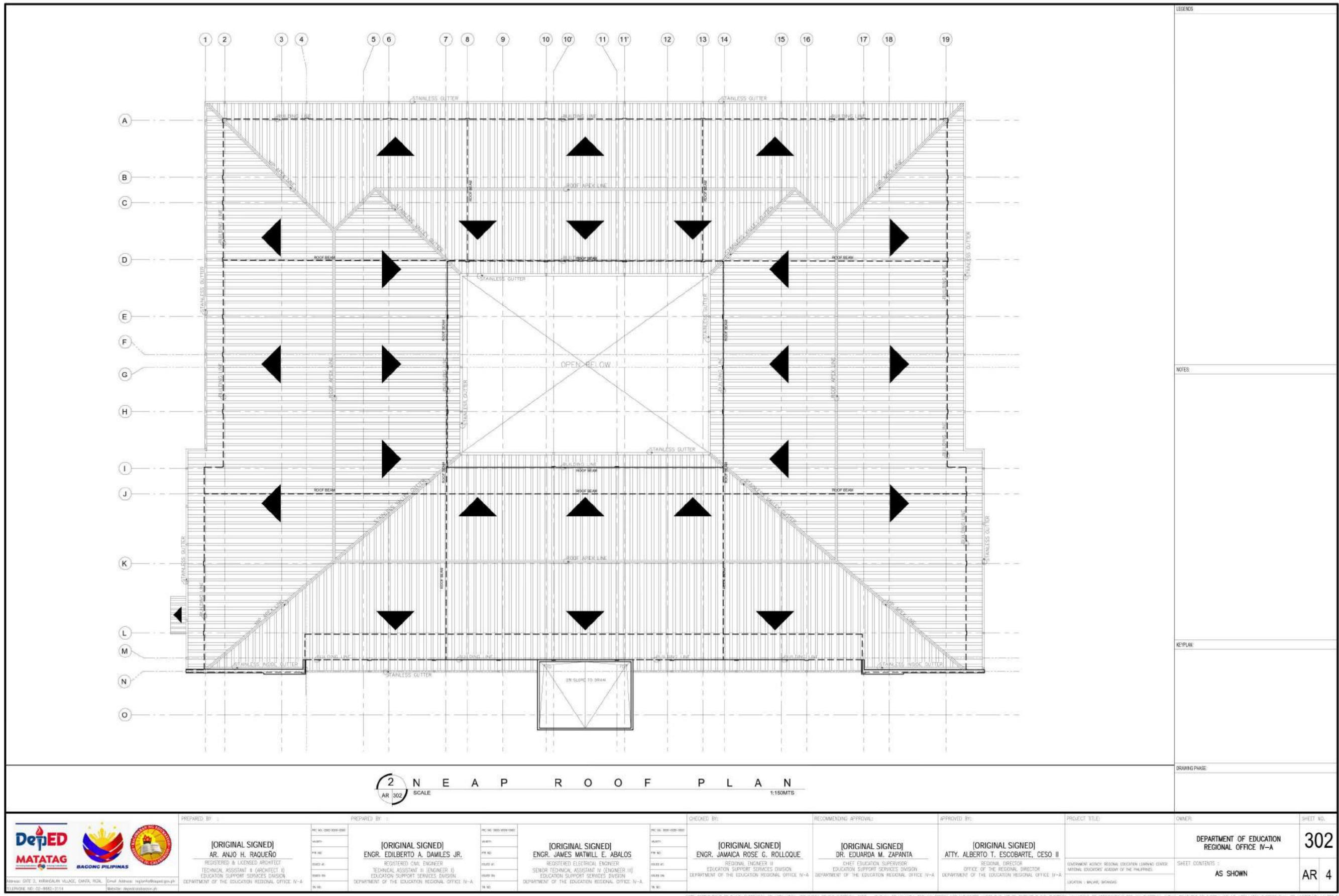
Section VII. Drawings

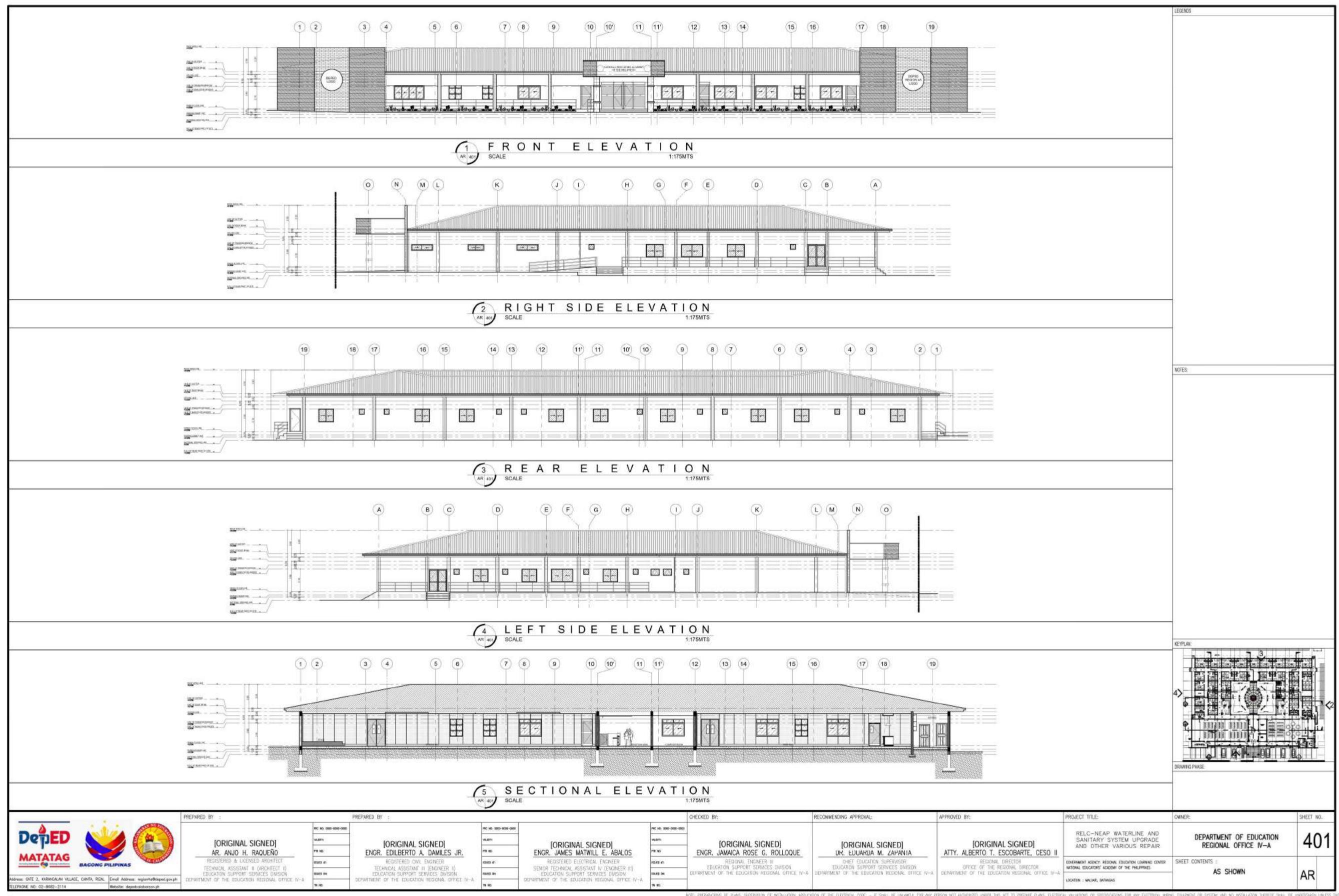
[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]

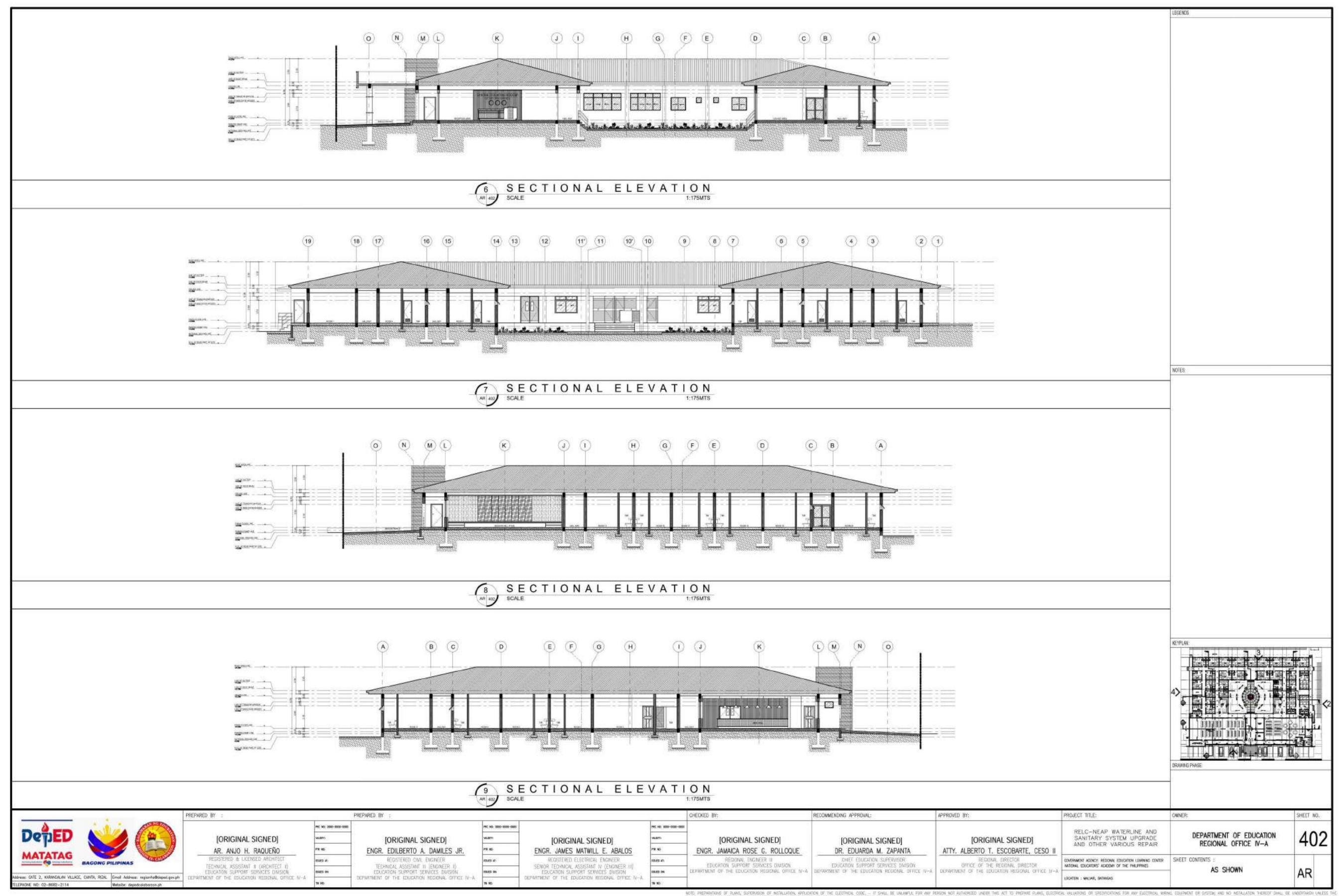


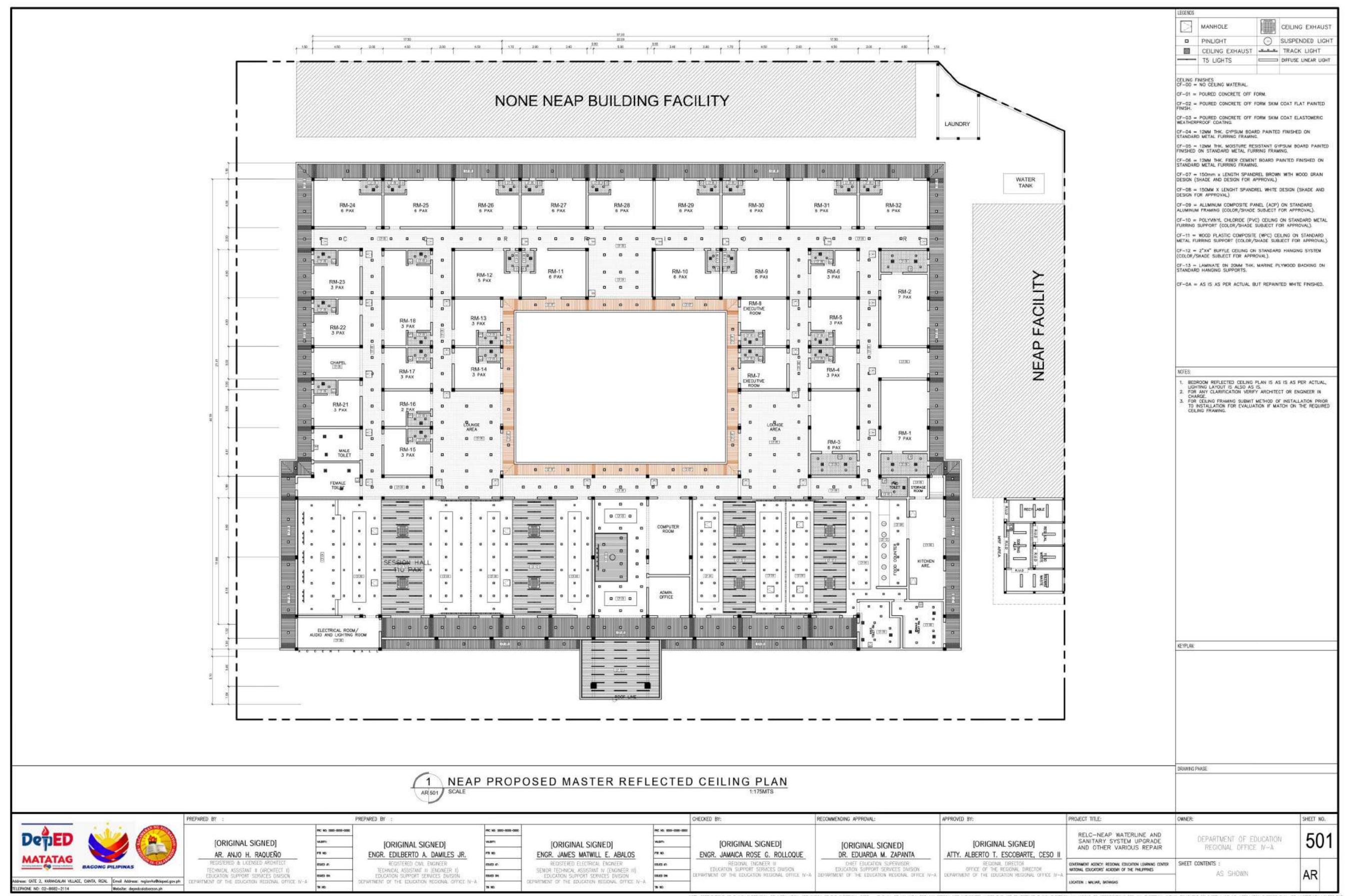


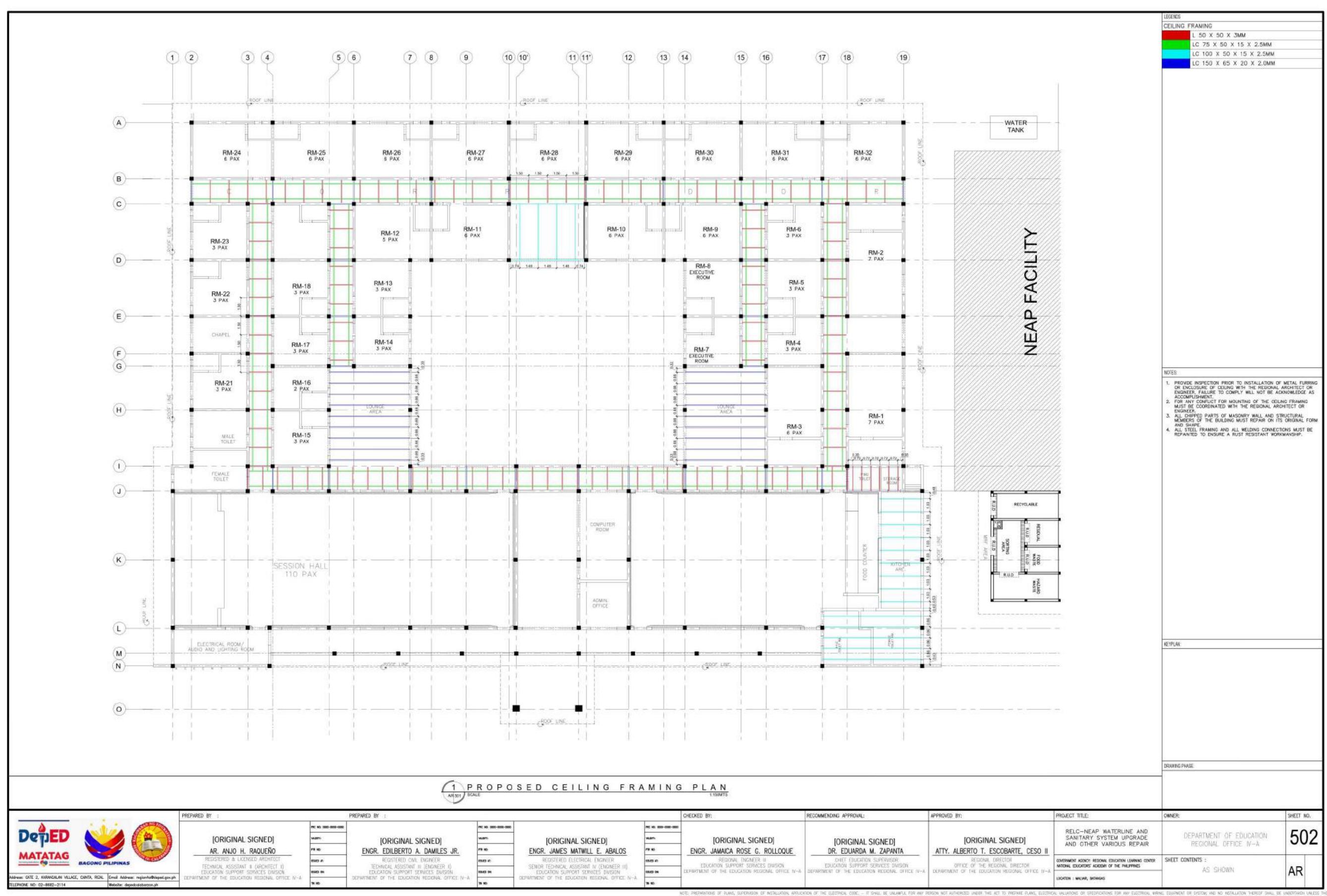


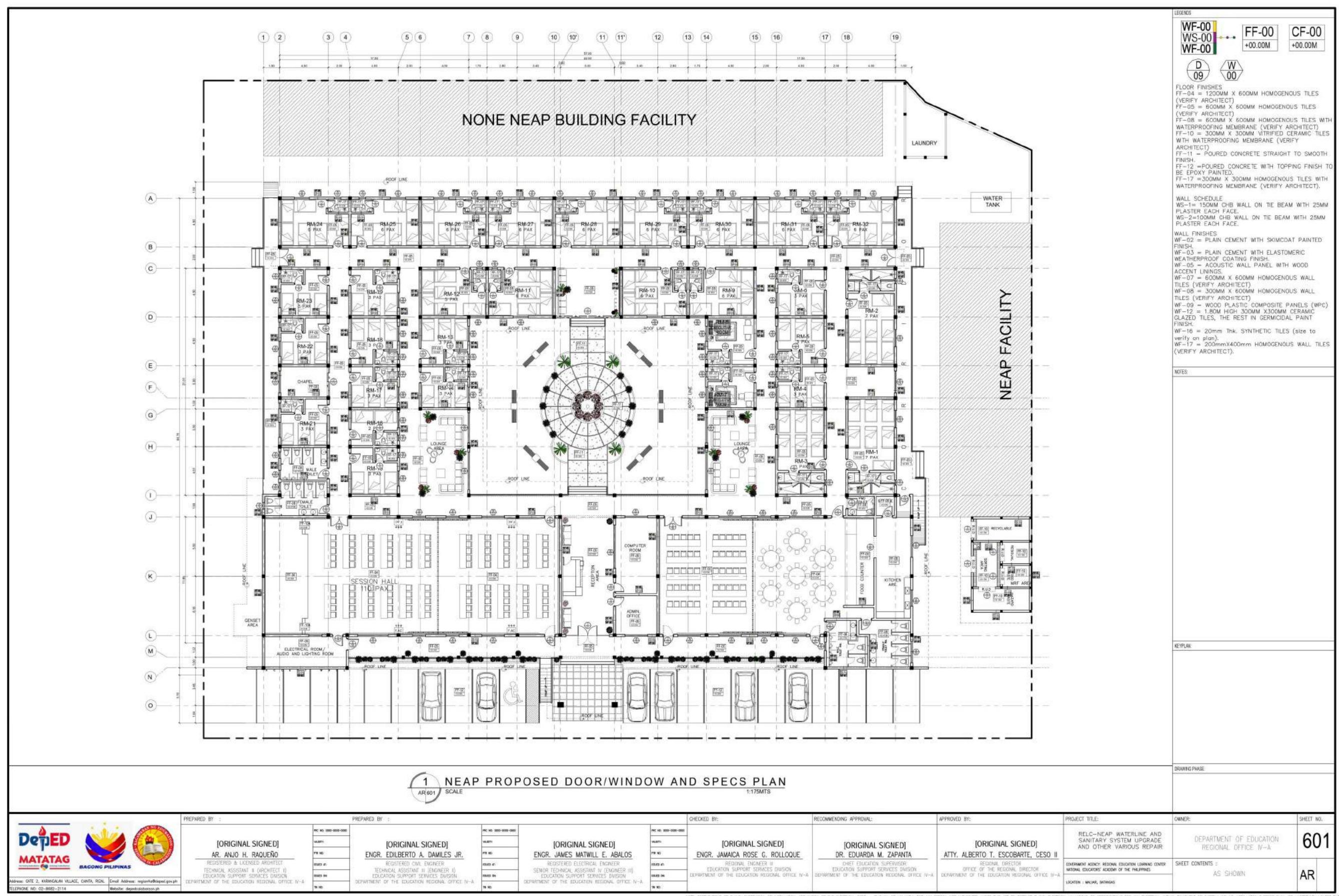


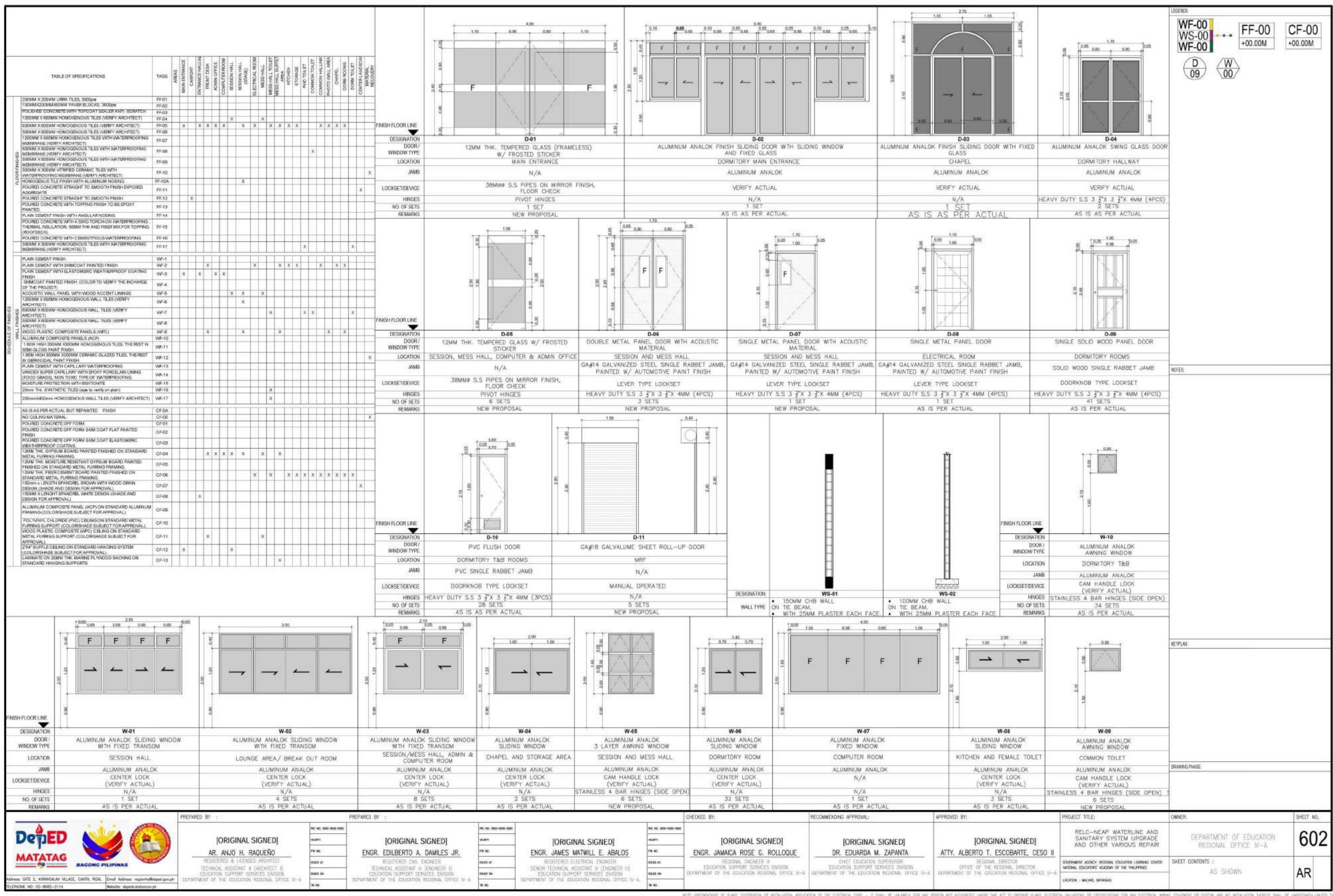


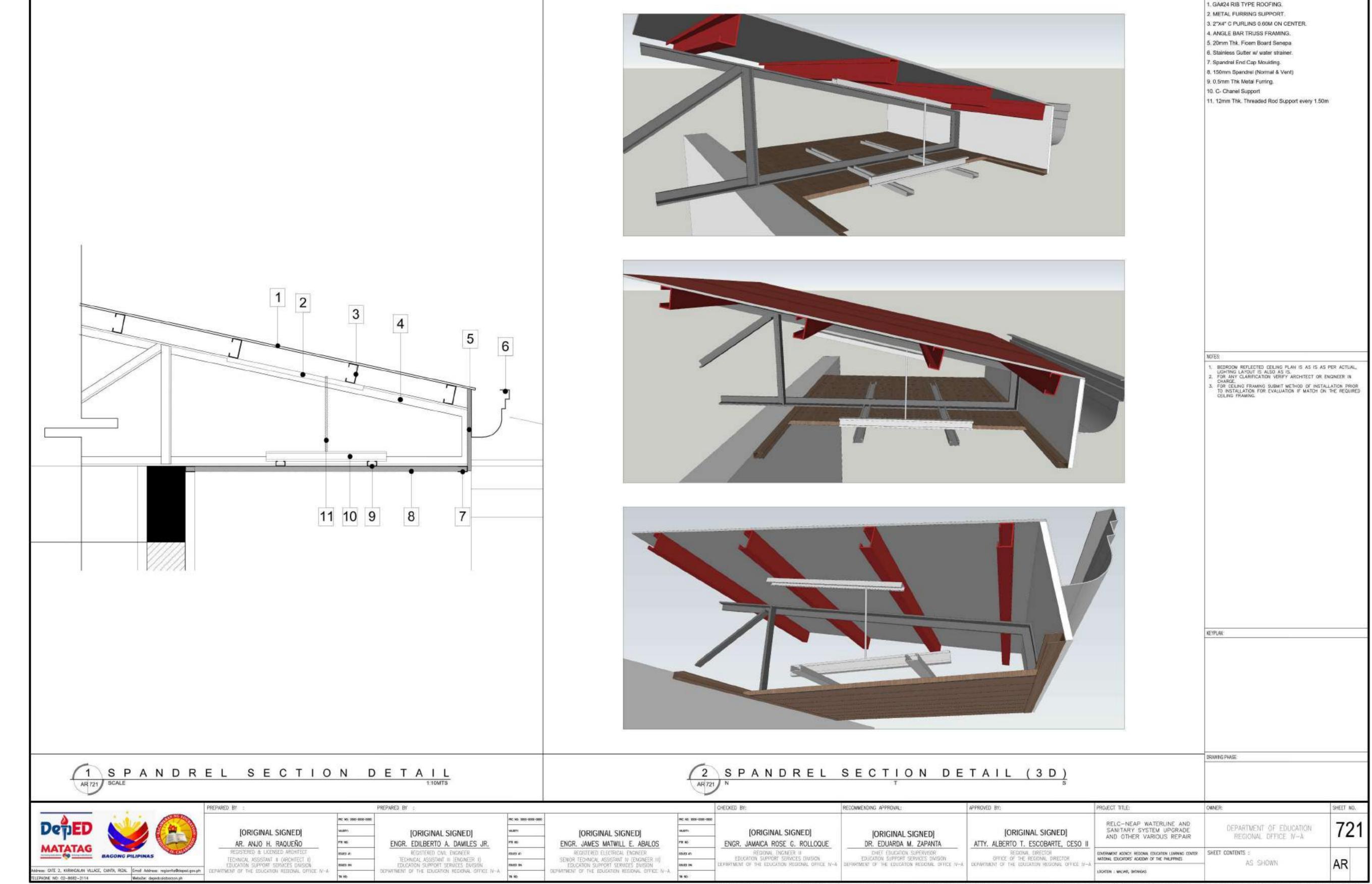


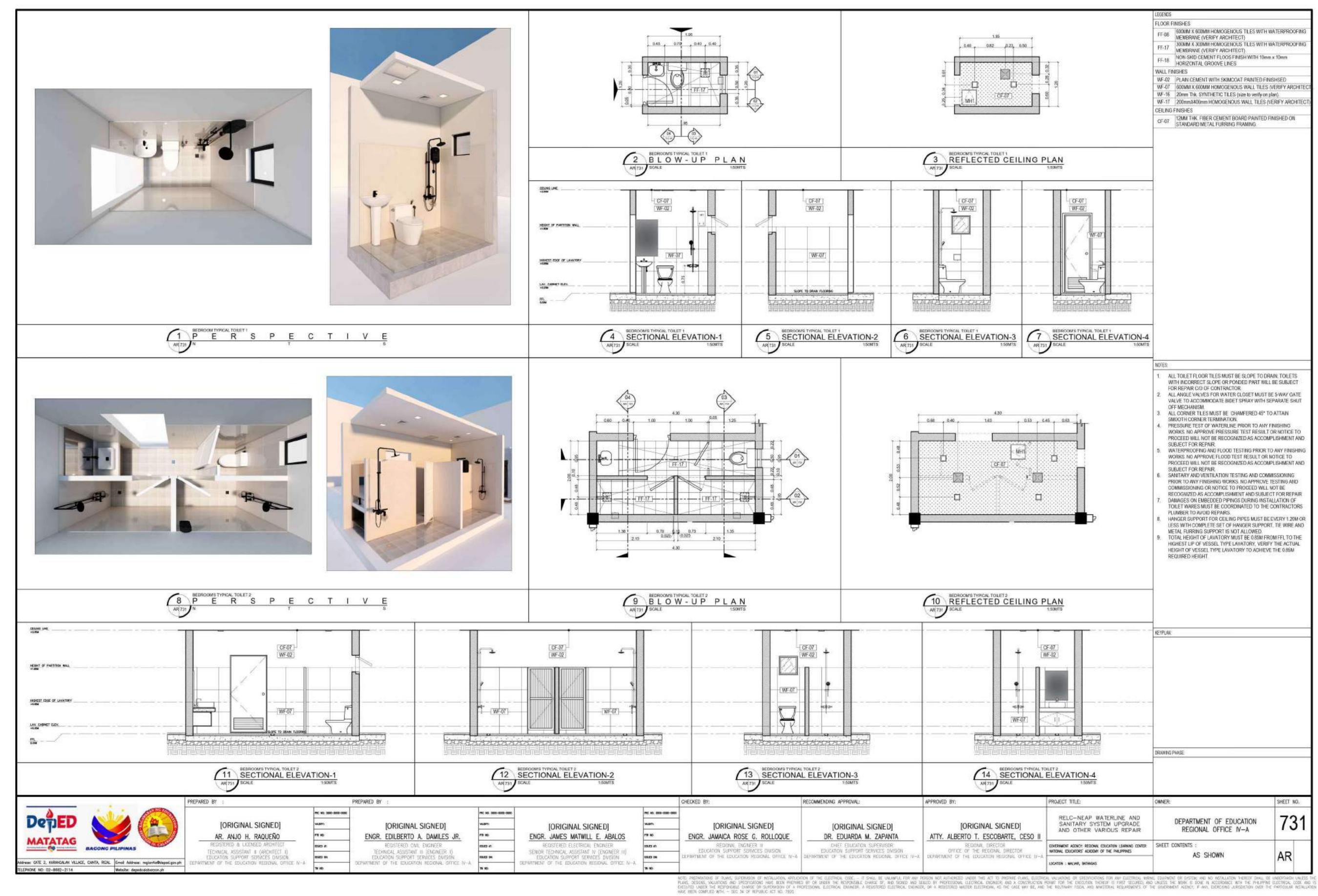


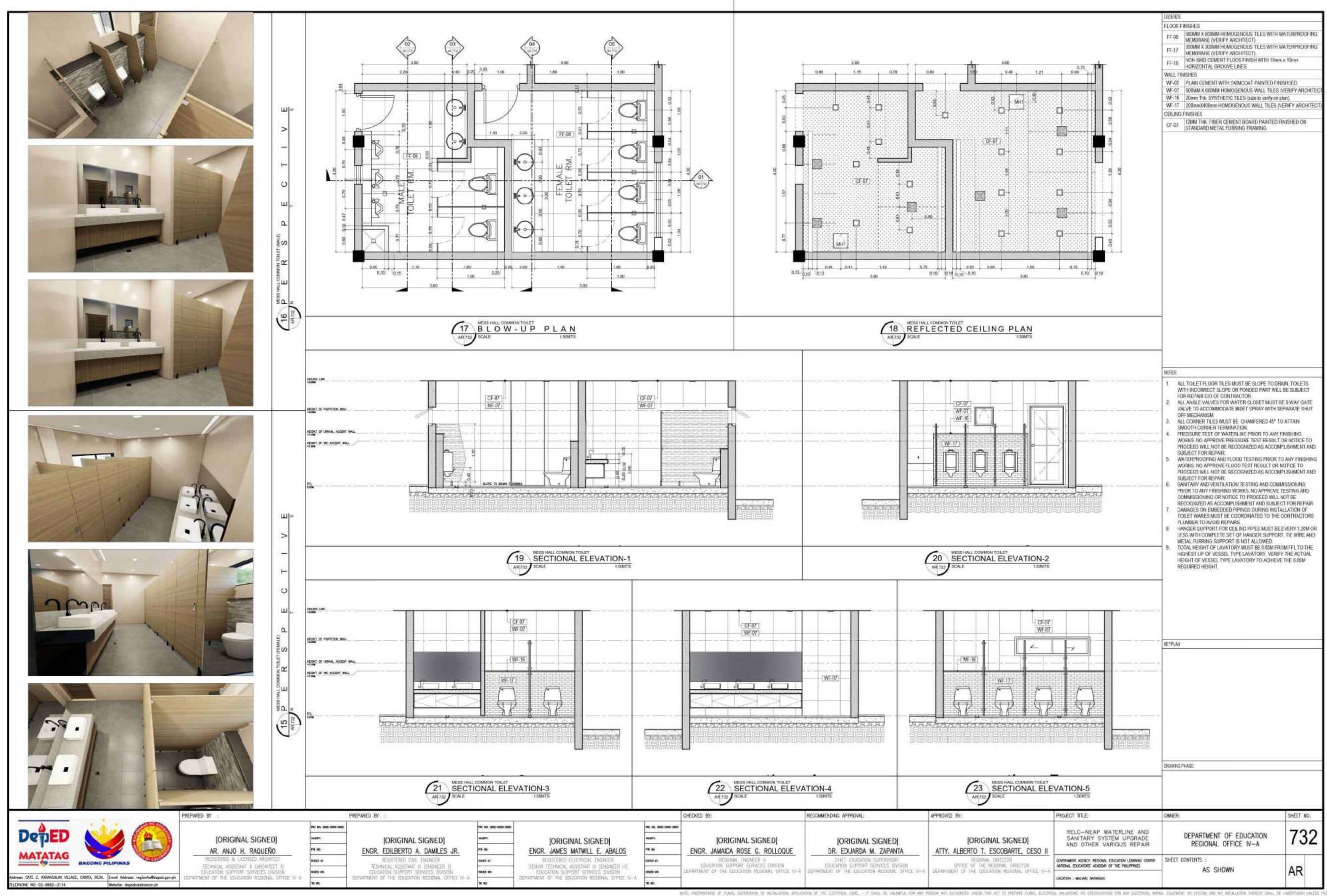


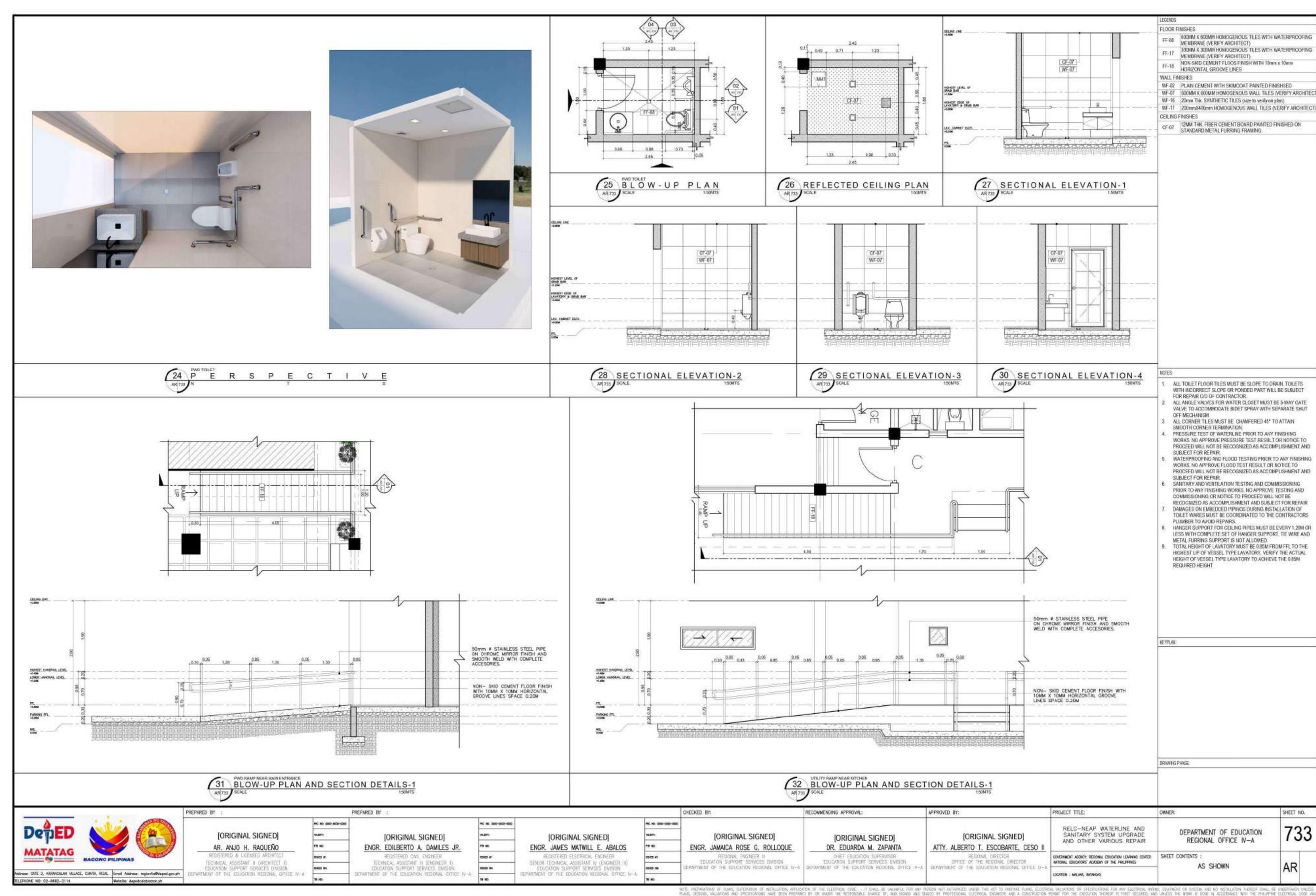






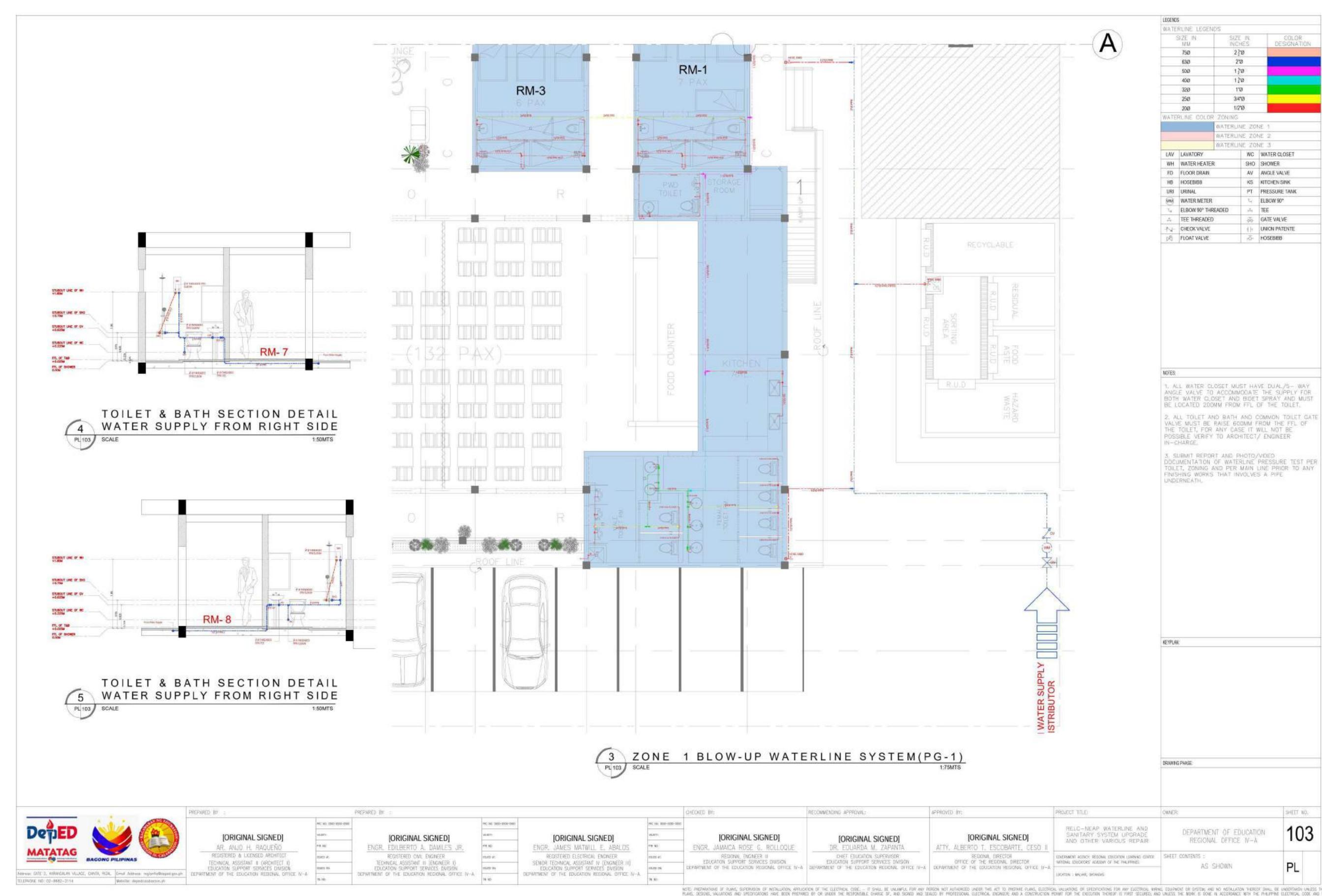


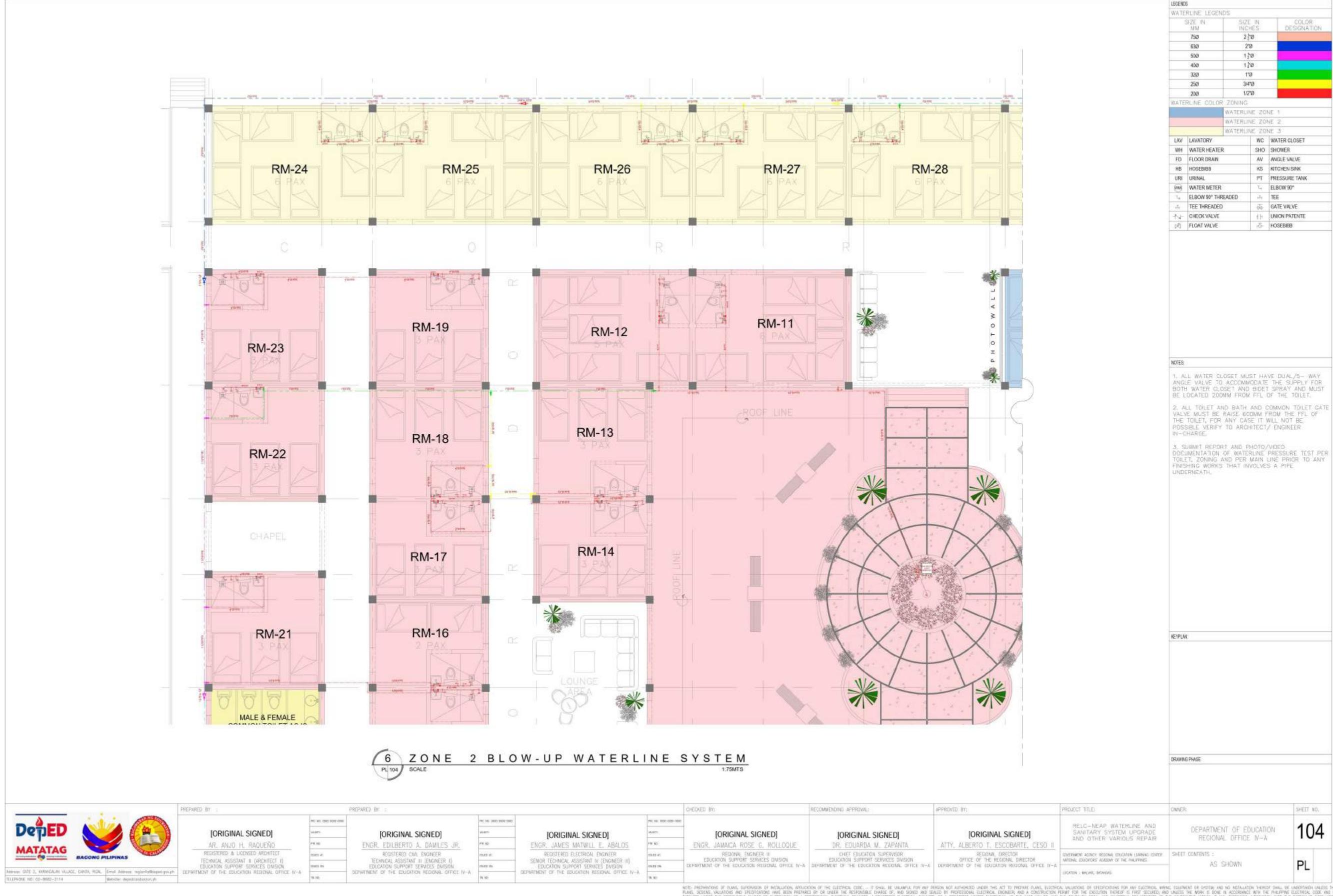


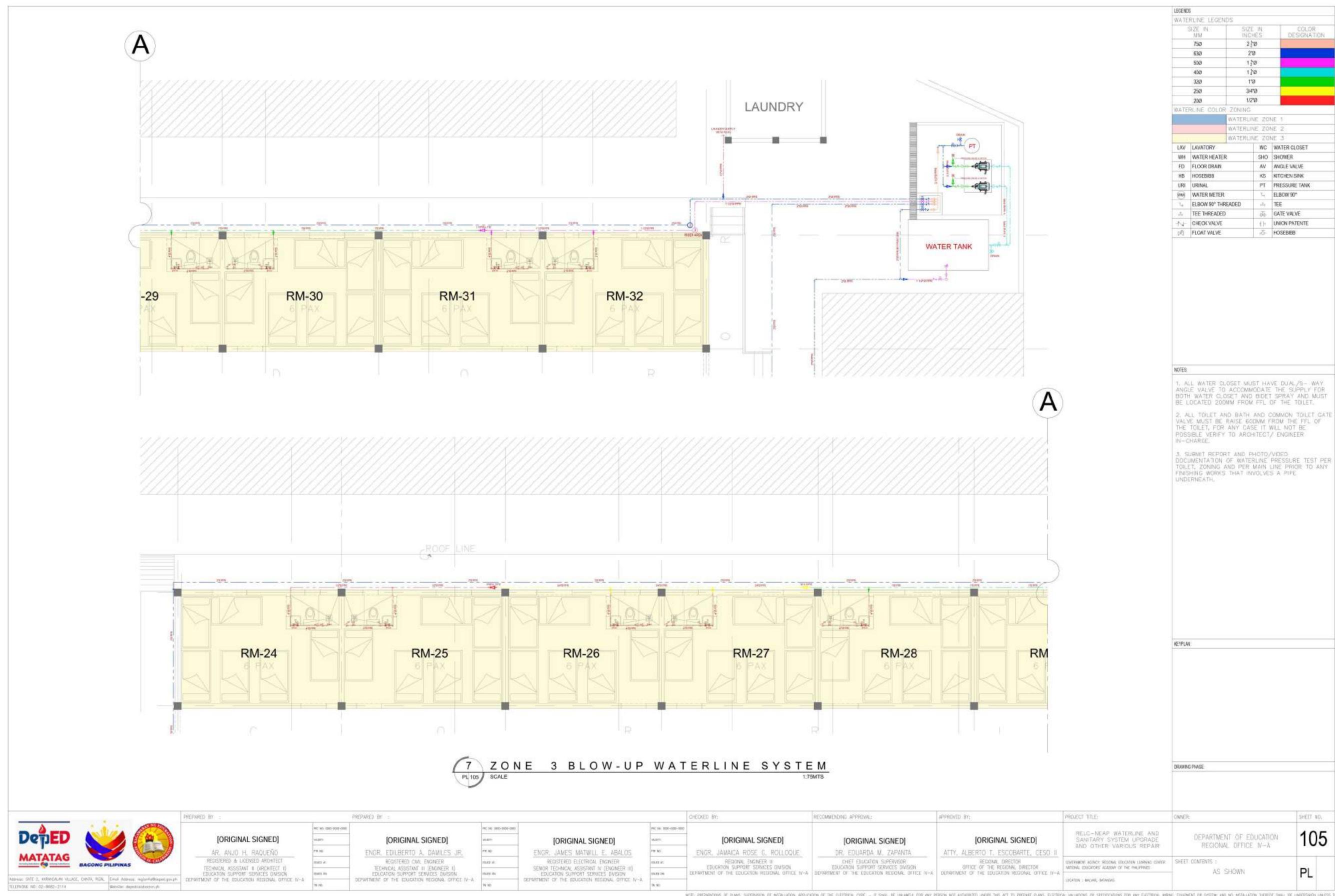


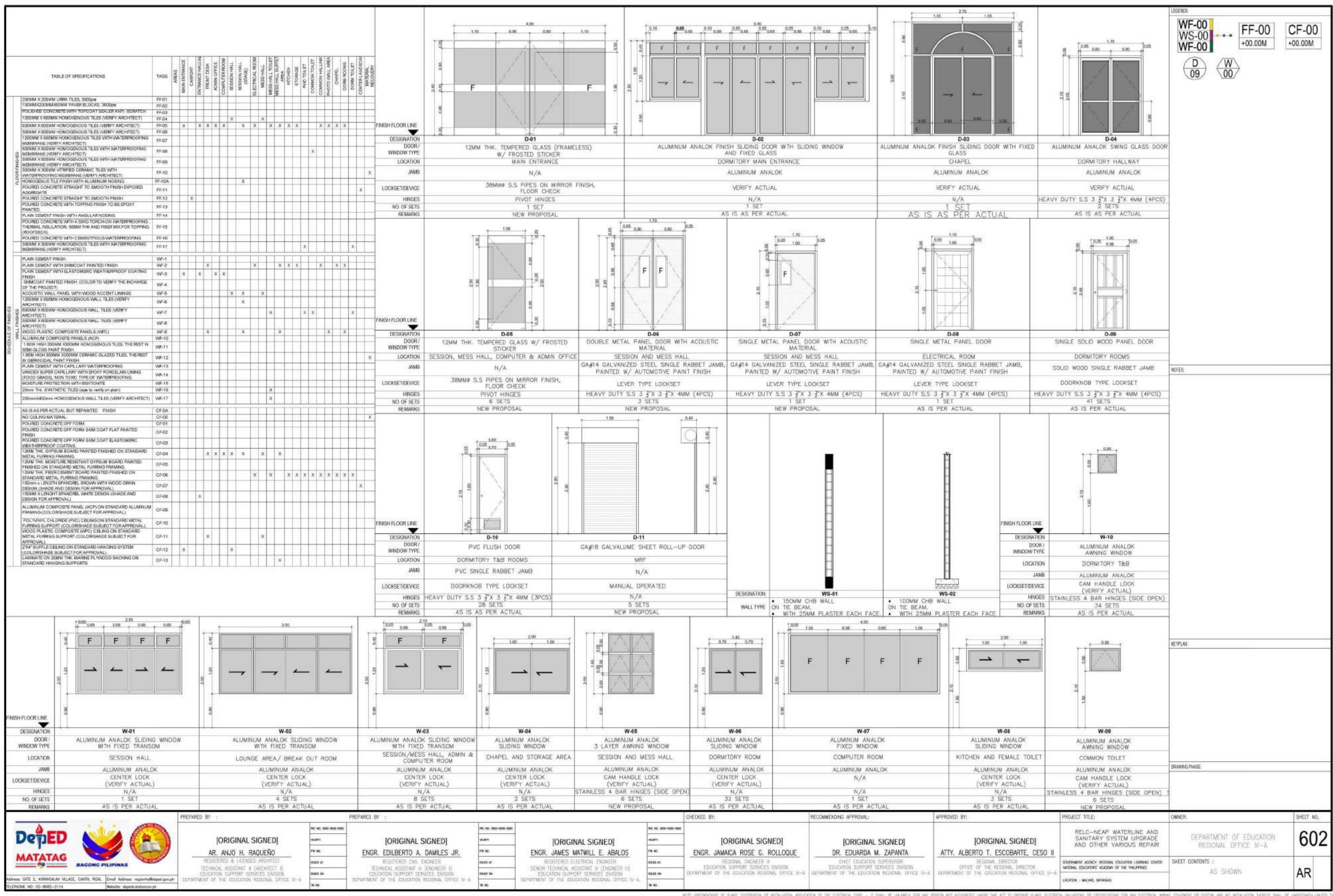


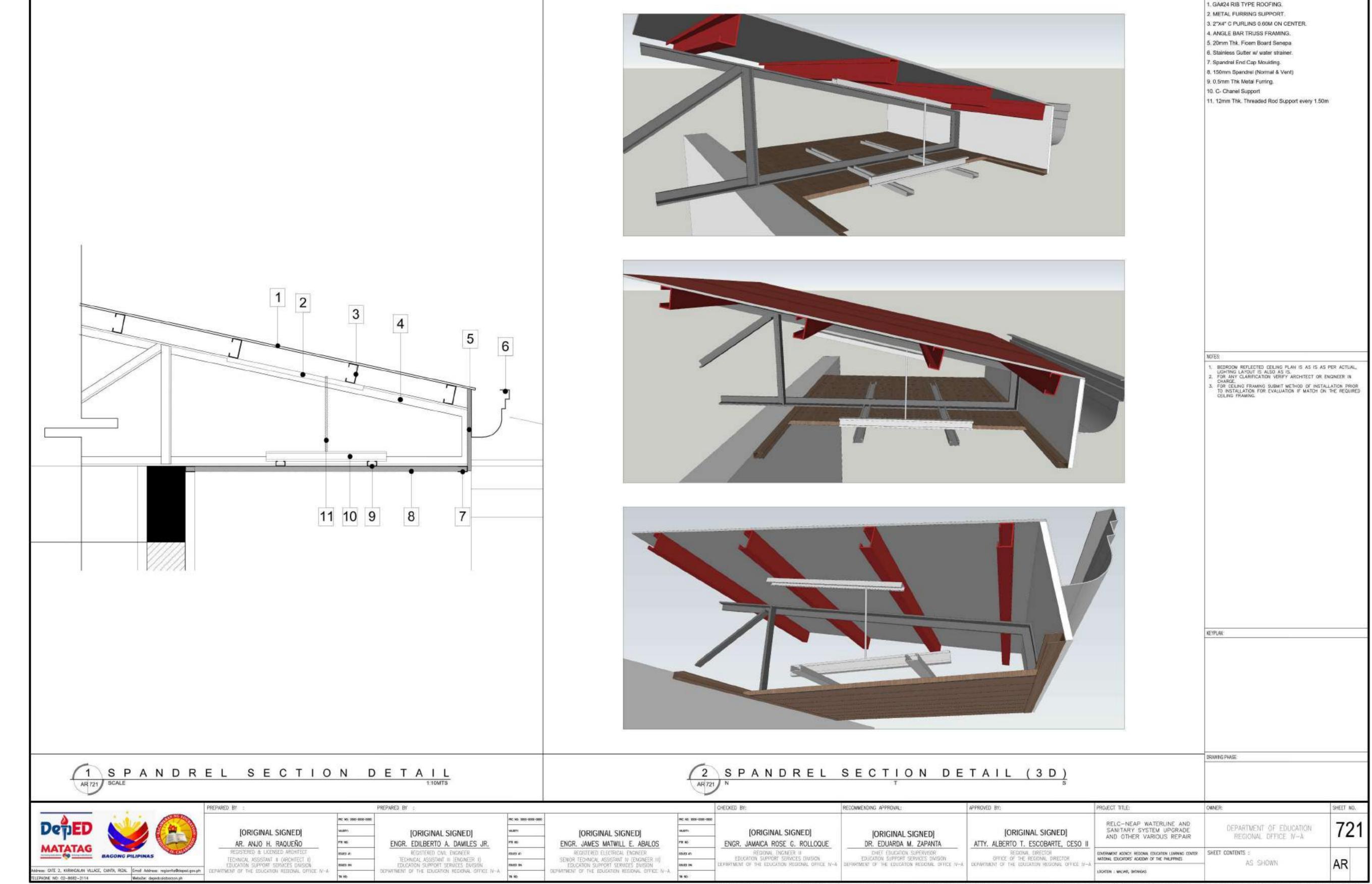


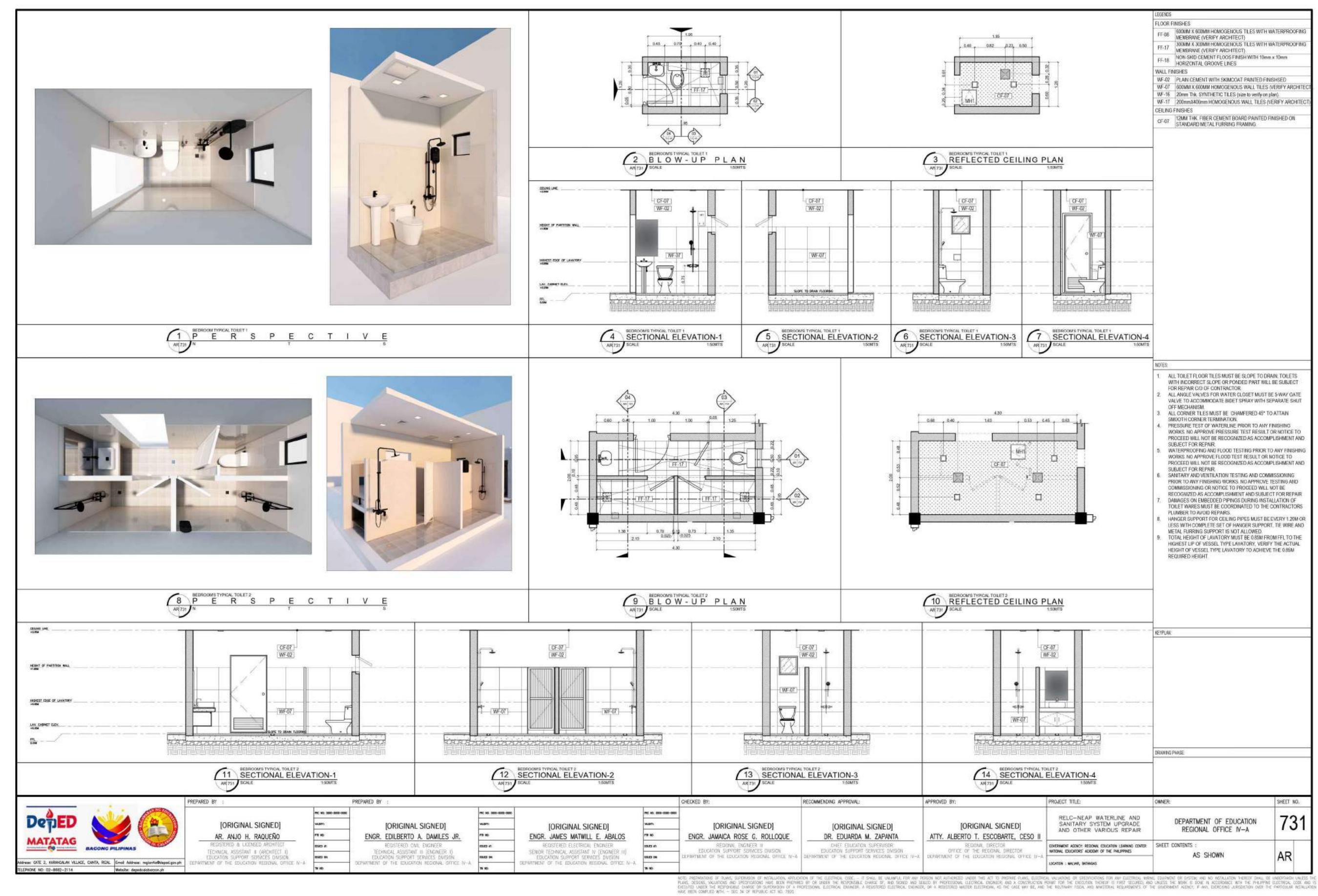


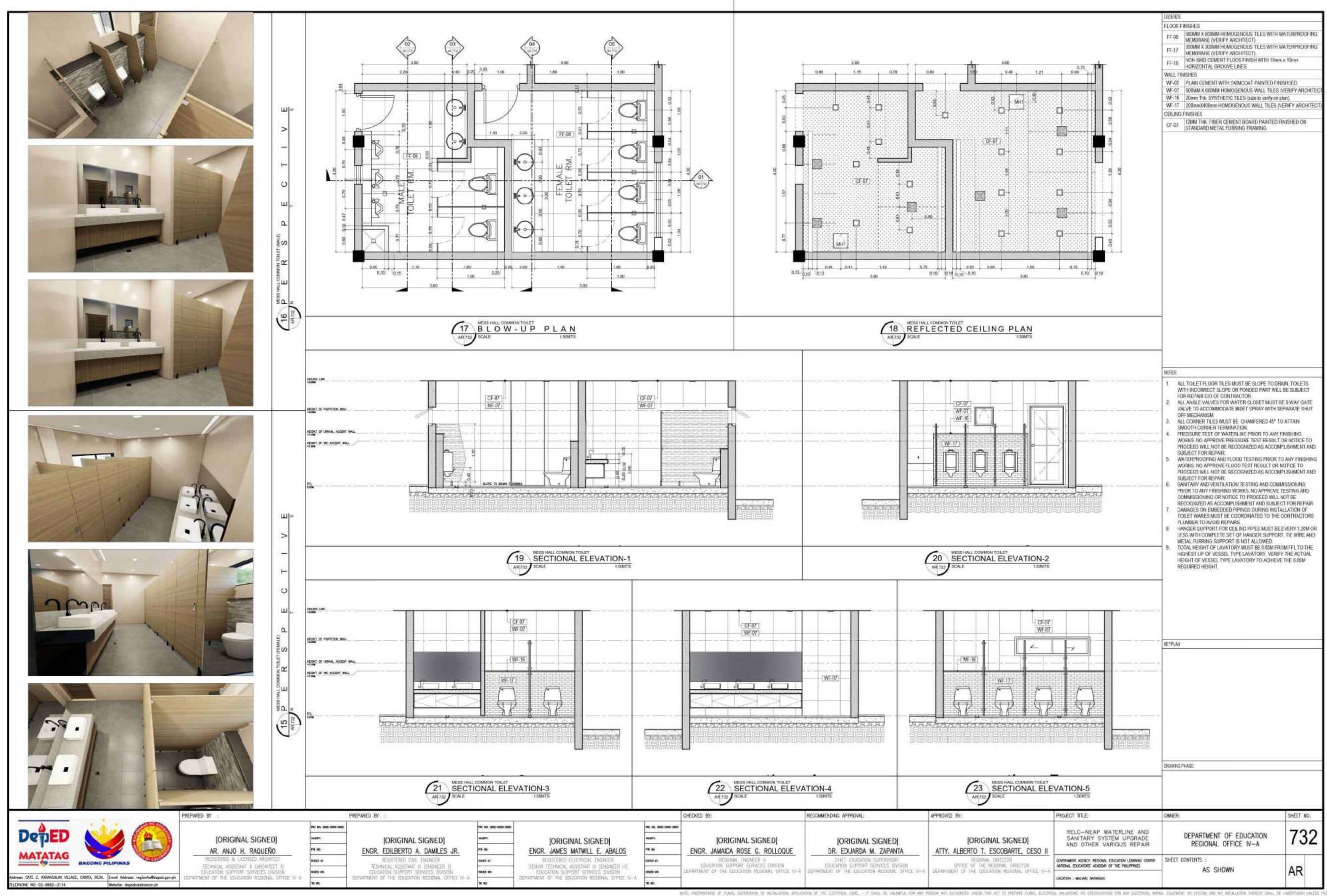


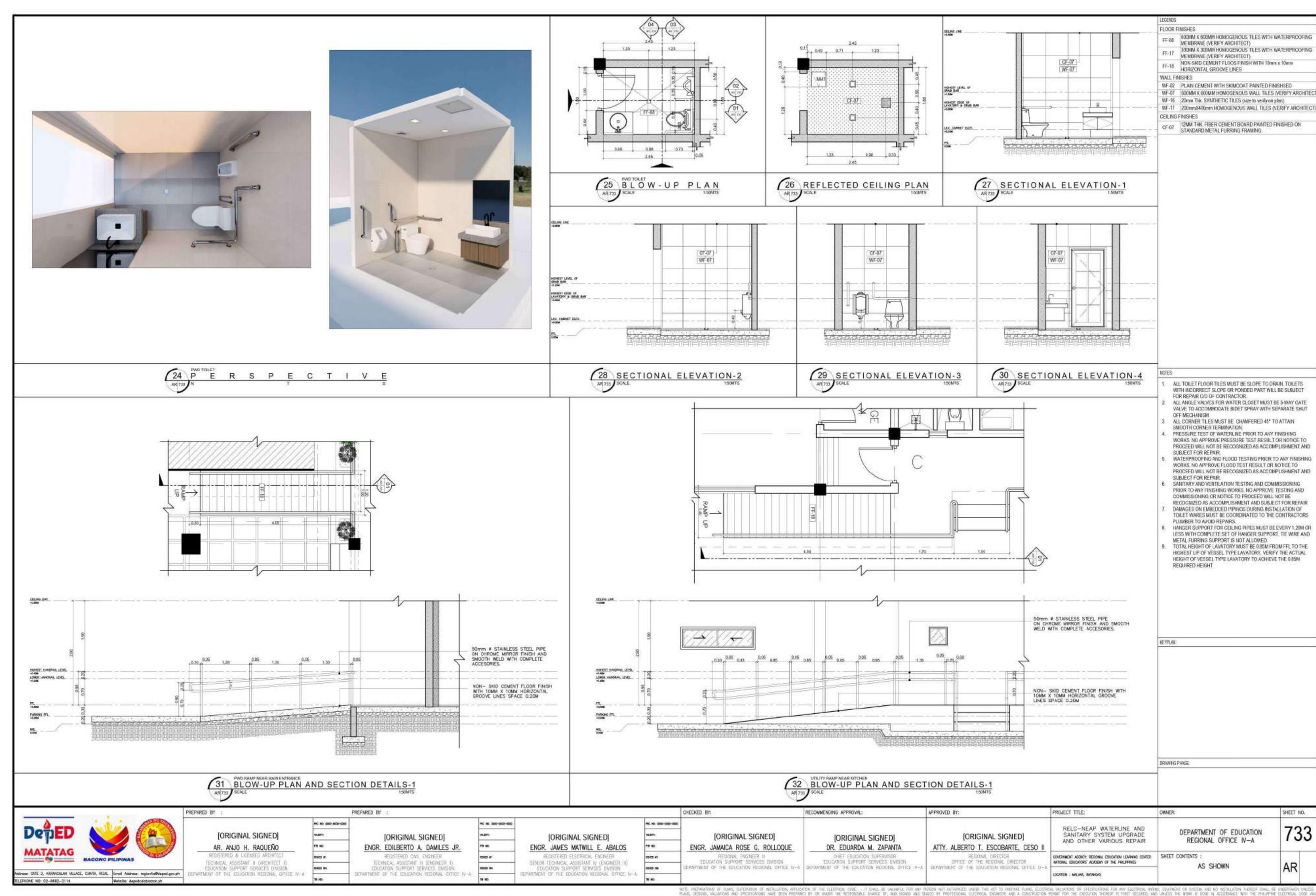






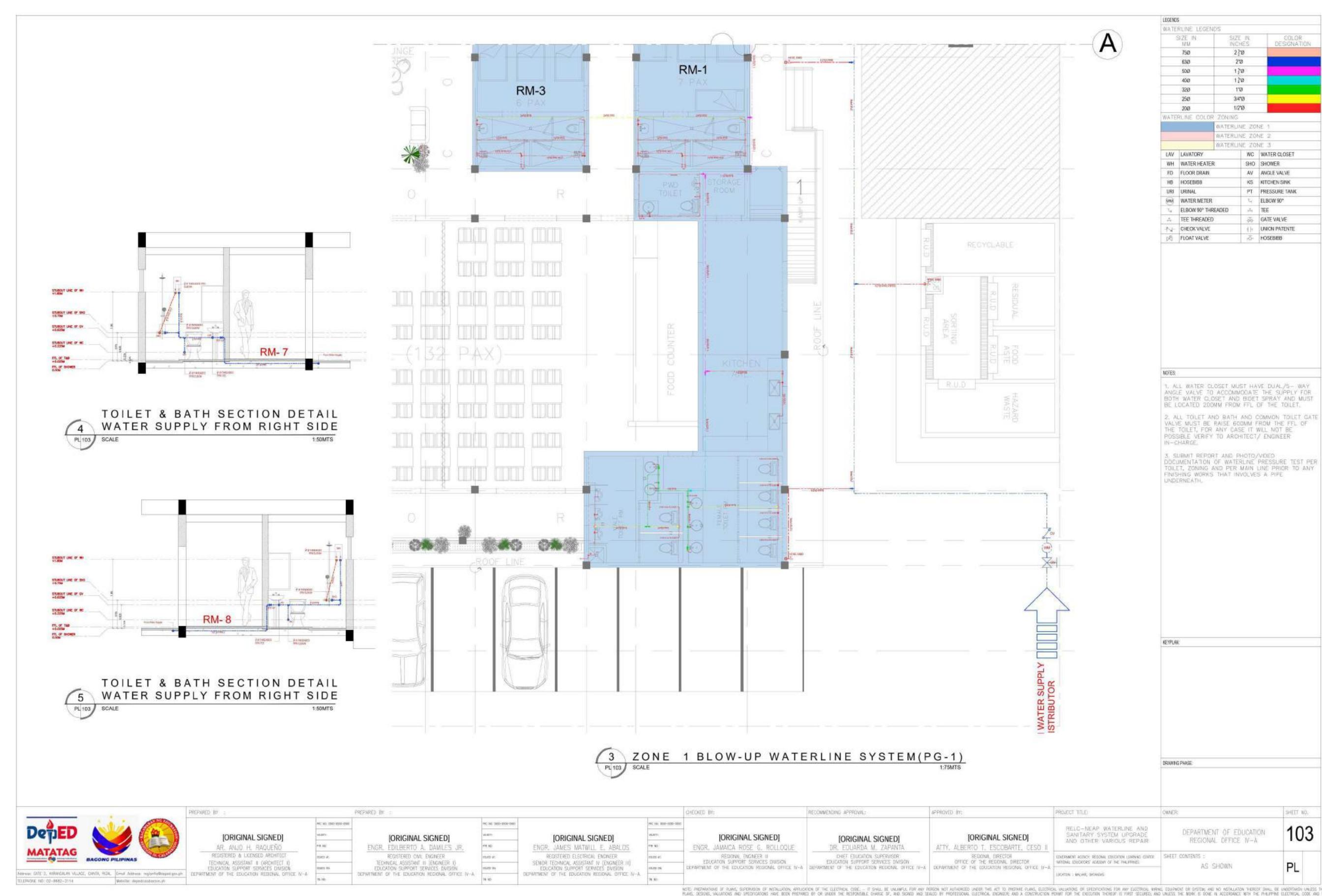


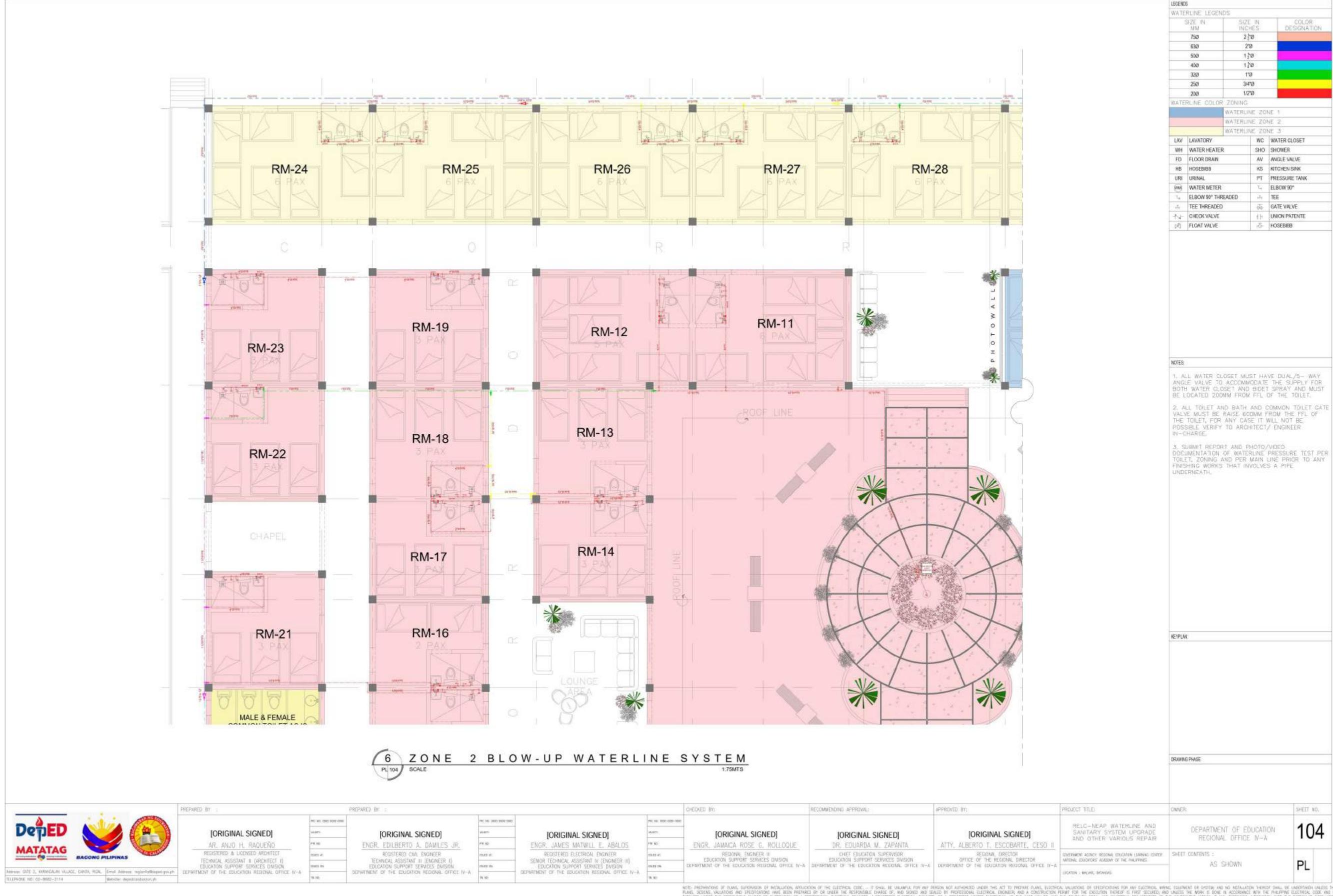


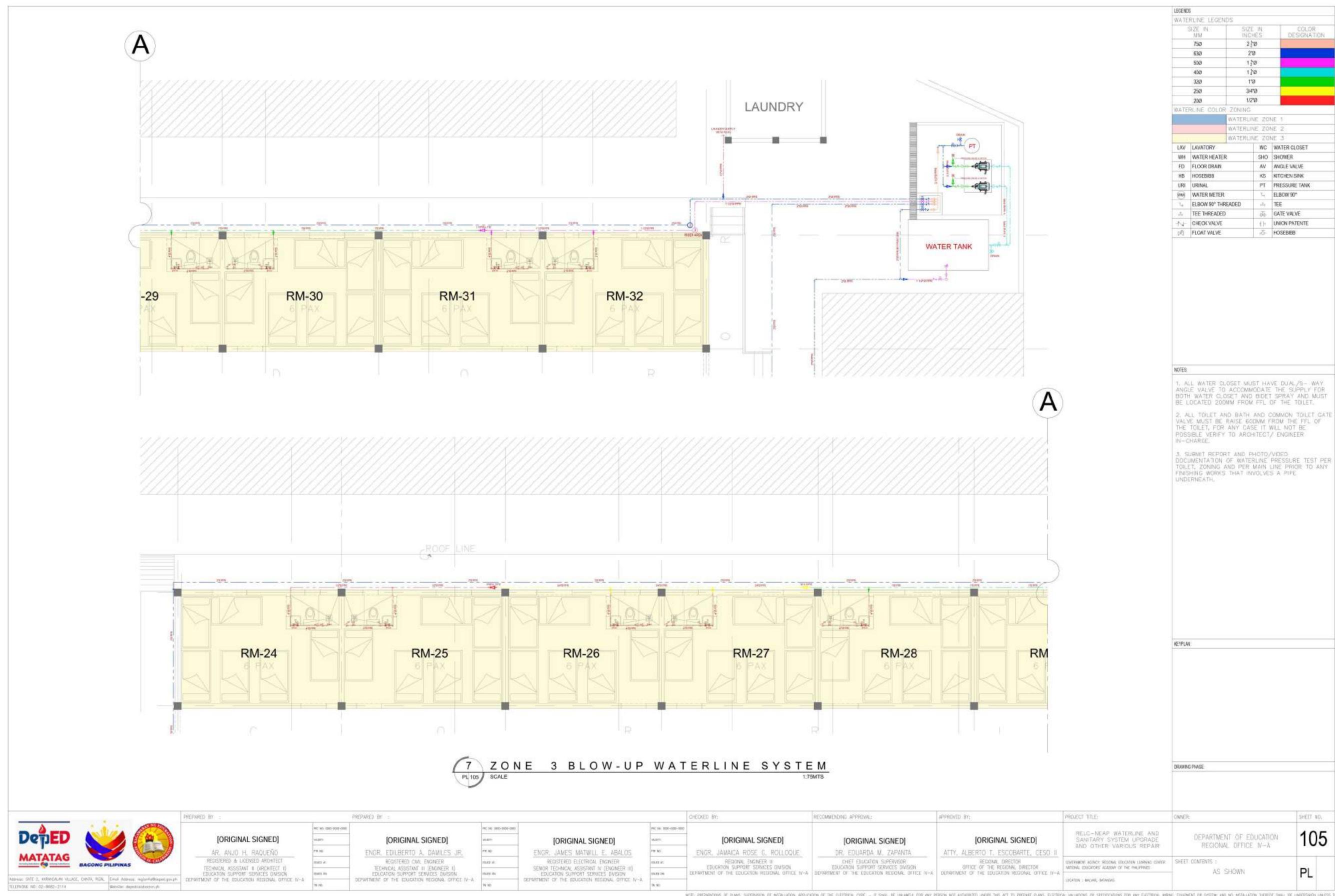


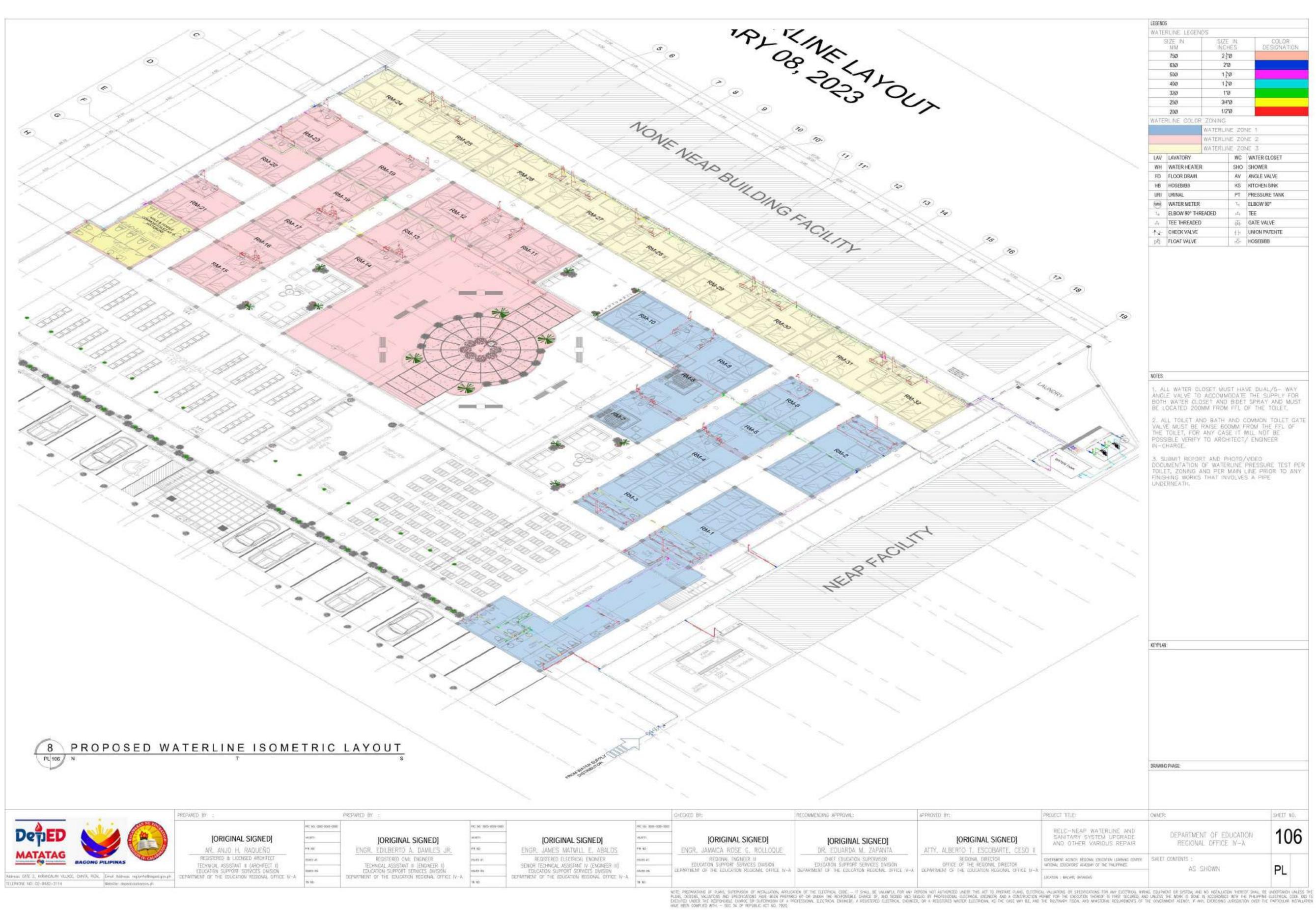


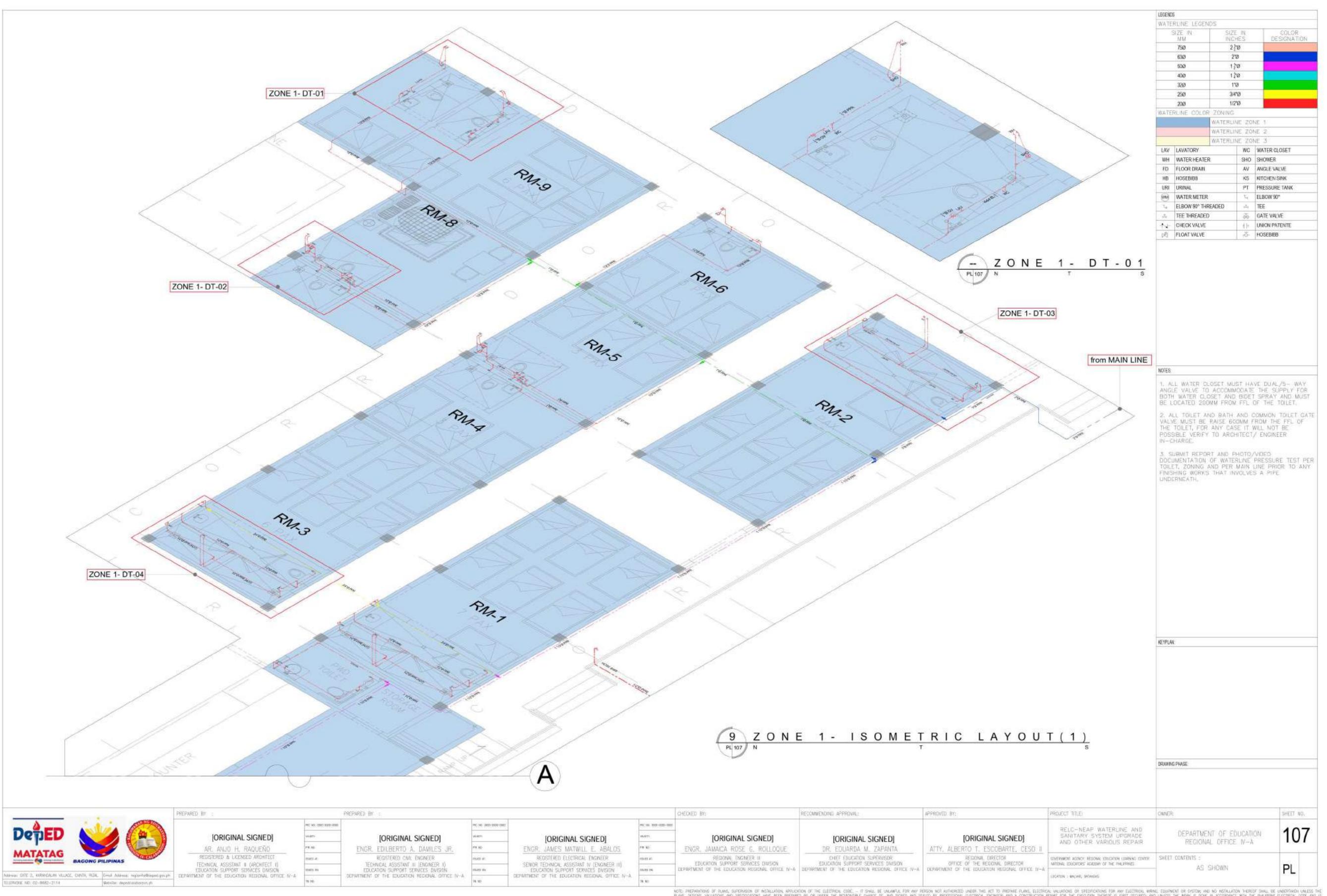


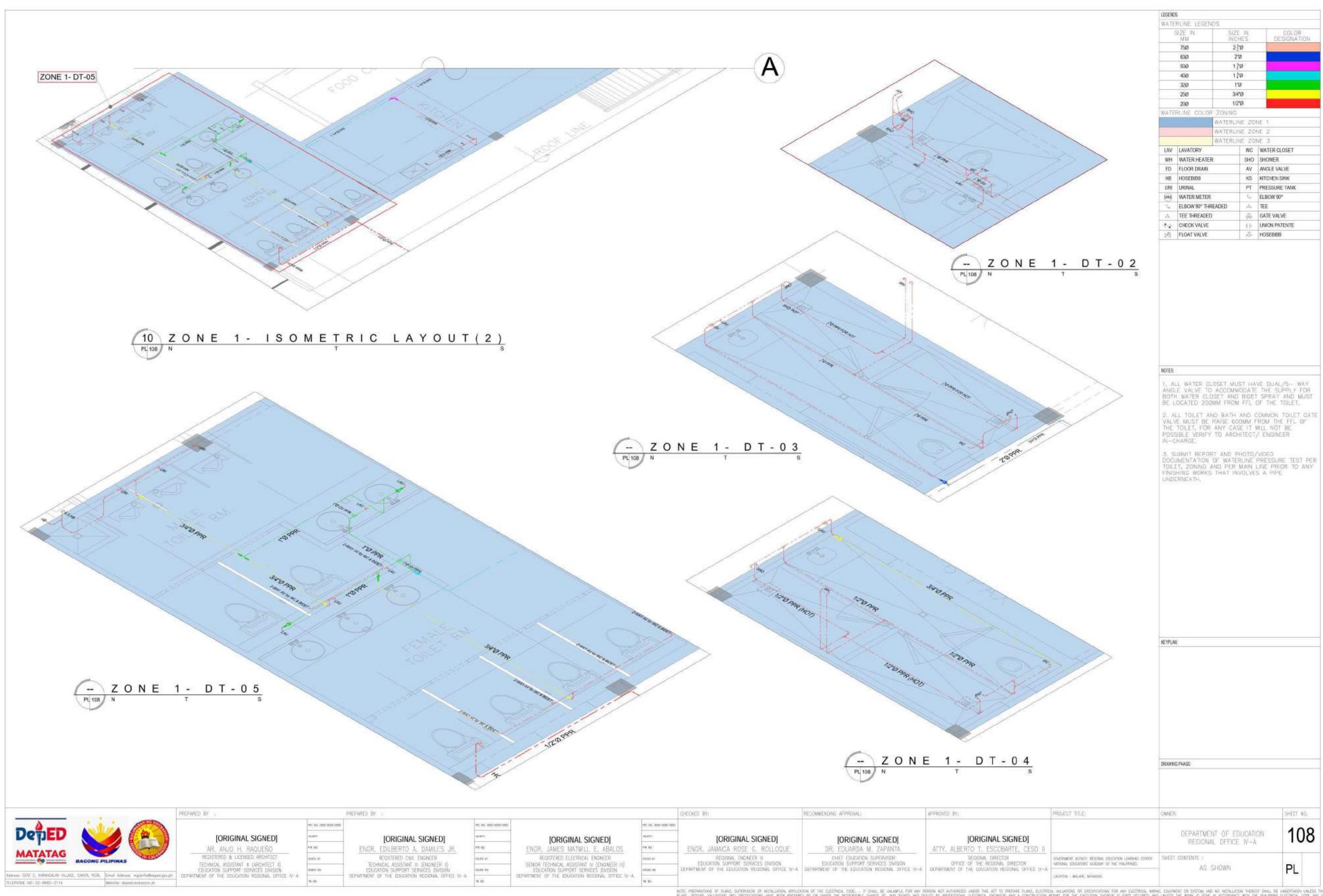




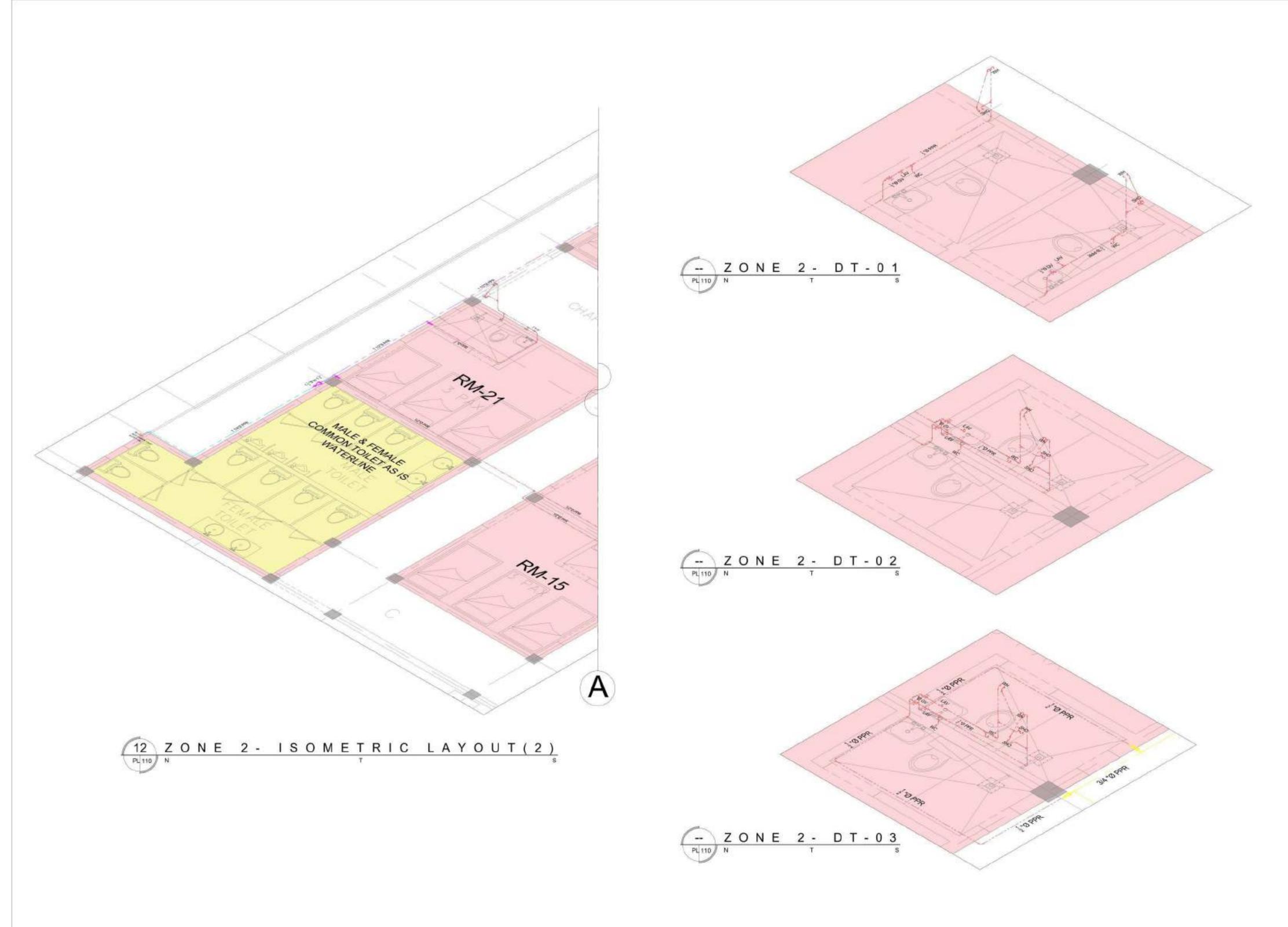












MM INCHES DESCRIATIONS BISO 210 BISO 110 AND 1120 BISO 110 BI	WATERLINE LEGE SIZE IN	512	E IN		COLOR
630 170 170 32	MM				DESIGNAT
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250 34Y0 250 34Y0 250 34Y0 250 WATERLINE ZONE 1 WATERLINE ZONE 2 WATERLINE ZONE 2 WATERLINE ZONE 3 LAV LAVATORY WC WATERCLOSET WH WATER HEATER SHO SHOWER FD FLOCK DRAW AV ANGLE WAIVE HB HOSEBBB KS NITCHENSINK URI URINAL PT PRESSURE TANK WW WATER METER ' FELSOW 90° THE ELBOW 90° THREADED '- TEE A TEETHREADED '- GATE VALVE PO FLOAT VALVE I H UNION PATENTE PO FLOAT VALVE AND BIDET SPRAY AND KU BE LOCATED ZOOMM FROM FROM THE FILLOR VALVE MUST BE RAISE BOOMM FROM THE FILLOR THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECTY ENGINEER NO CHARGE. 3. SJEMIT REPORT AND PHOTO/WIDED DOUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LINE PRIOR TO A EINSHING WORKS THAT INVOLVES A PIPE UNDERNEATH.		_			
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WATERLINE COLOR ZONING WATERLINE ZONE 1 WATERLINE ZONE 2 WATERLINE ZONE 2 WATERLINE ZONE 3 LAV LAVATORY WC WATERCLOSET WH WATER HEATER SHO SHOWER FD FLOOR DRAWL AV ANGLE WALVE HB HOSEBIBB KS NITCHENSINK URI URINAL PT PRESSURE TANK WATER METER 1- ELBOW 90° LELBOW 90° THREADED 1-1 TEE A TEE THREADED 1-2 TEE A TEE THREADED 1-3 GATE VALVE POSEBIBB TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET MUST HAVE DUAL/5-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET MUST HOSEBIBB I. ALL WATER CLOSET MUST HAVE DUAL/5-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET MUST BE FOR THE TOLET. 2. ALL TOILET AND BATH AND COMMON TOLET ON THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FORM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE FTL OF THE TOLET. YALVE MUST BE RAISE GOOMM FROM THE TOLET. YALVE MUST BE TOLET. YALVE MUST BE RAISE GOOMM FROM THE TOLET. YALVE MUST BE RAISE GOOMM		- 33			
WATERLINE ZONE 1 WATERLINE ZONE 3 LAW LAVATORY WATERLINE ZONE 3 LAW LAVATORY WH WATER HEATER SHO SHOWER FD FLOOR DRAIN AV ANGLE WALVE HB HOSEBIBB KS NITCHENSINK URI URINAL PT PRESSURE TANK, WW WATER METER 'L ELBOW 90° THE ELBOW 90° THREADED AT THE THE THREADED AS GATE VALVE CHECK VALVE (H UNION PATENTE PS) FLOAT VALVE AND SHOET SPRAY AND MU BE LOCATED 200MM FROM FFL OF THE TOILET. 2. ALL TOILET AND BATH AND COMMON TOILET OF VALVE MUST BE RAISE BOOMM FROM THE FFL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECTY ENGINEER IN CHARGE. 3. SUBMIT REPORT AND PHOTO/WIDED DODUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PRESSURE TEST			70.000		
WATERLINE ZONE 3 LAW LAVATORY WC WATERCLOSET WH WATERHEATER SHO SHOWER FD FLOCK DRAWL AV ANGLE WALVE HB HOSEBIBB KS KITCHENSINK URI URINAL PT PRESSURE TANK (MM) WATERMETER 14 ELBOW 90° THE LEGOW 90° THREADED 4-1 TEE 4 TEE THREADED 4-1 TEE 5 CHECK VALVE 1H UNION PATENTE DEST HOAT VALVE	WATERLINE COLO				
WATER LANGE LAV LAVATORY WE WATER CLOSET WH WATER HEATER SHO SHOWER FD FLOOR DRAW AV ANGLE VALVE HB HOSEBIBB KS KITCHENSHIK URI URINAL PT PRESSURE TAMK WATER METER LEBOW 90° LELBOW 90° THE LEBOW 90° THE THE ADDED THE TOLET VALVE MATER CLOSET MUST HAVE DUAL/S-WAY ANGLE VALVE THE TOLET AND BATH AND COMMODATE THE SUPPLY FOR BOTH WATER CLOSET AND BIDET SPRAY AND MUBE LOCATED 200MM FROM FFL OF THE TOLET. VALVE MUST BE RAISE BOOMM FROM THE FFL OF THE TOLET. VALVE MUST BE RAISE BOOMM FROM THE FILL OF THE TOLET. VALVE MUST BE RAISE BOOMM FROM THE FILL OF THE TOLET. VALVE MUST BE RAISE BOOMM FROM THE FILL OF THE TOLET. VALVE MUST BE RAISE BOOMM FROM THE FILL OF THE TOLET. SUBMIT REPORT AND PHOTO/WIDED DODUMENTATION OF WATERLINE PRESSURE TEST TOLET. ZONING AND PER MAIN LINE PROOR TO A FINSHING WORKS THAT INVOLVES A PIPE UNDERNEATH.		140000000000000000000000000000000000000	11000000		
WH WATER HEATER SHO SHOWER FD FLOOR DRAIN AV ANGLE VALVE HB HOSEBIBB KS KITCHENSINK URI URINAL PT FRESSURE TANK WATER METER 1, ELBOW 90° 1, ELBOW 90° THREADED 1-1 TEE 1, TEE THREADED 1-2 GATE VALVE 1, ORECK VALVE 1, UNION PATENTE PO FLOAT VALVE 5- HOSEBEB 1. ALL WATER CLOSET, MUST HAVE DUAL/S-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FO BOTH WATER CLOSET AND BIDET SPRAY AND MU BE LOCATED 200MM FROM FPL OF THE TOILET. 2. ALL TOILET AND BATH AND COMMON TOILET O VALVE MUST BE RAISE BOOMM FROM THE FPL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECTY ENGINEER IN-CHARGE 3. SUBMIT REPORT AND PHOTO/VIDEO DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LIRE PROPE TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.					
FID FLOOR DRAIN AV ANGLE VALVE HIS HOSEBIBB KS KITCHEN SINK URI URINAL PT PRESSURE TANK (MW) WATER METER '4 ELBOW 90° 14 ELBOW 90° THREADED 44 TEE 4 TEE THREADED 45 GATE VALVE 4 CHECK VALVE 41 UNION PATENTE PO FLOAT VALVE 55 HOSEBIBB WOTES 1. ALL WATER CLOSET, MUST HAVE DUAL/5-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY PO BOTH WATER CLOSET AND BIDET SPRAY AND MU BE LOCATED 200MM FROM FFL OF THE TOILET. 2. ALL TOILET AND BATH AND COMMON TOILET C VALVE MUST BE RAISE BOOMM FROM THE FFL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECT/ ENGINEER IN-CHARGE. 3. SUBMIT REPORT AND PIET MAIN LINE PROCE TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.	LAV LAVATORY	100000000000000000000000000000000000000	WC	WATE	R CLOSET
HIS HOSEBBS KS KITCHENSINK URI URINAL PT PRESSURE TANK (MM) WATER METER 14 ELBOW 90° 14 ELBOW 90° THREADED 44 TEE 24 TEE THREADED 45 GATE VALVE 15 CHECK VALVE 11 UNION PATENTE P\$ FLOAT VALVE 55 HOSEBBS 1. ALL WATER CLOSET, MUST HAVE DUAL/5—WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY AND MO BE LOCATED 200MM FROM FFL OF THE TOILET. 2. ALL TOILET AND BATH AND COMMON TOILET C VALVE MUST BE RAISE BOOMM FROM THE FFL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECT/ ENGINEER IN—CHARGE. 3. SUBMIT REPORT AND PHOTO/VIDEO DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PRE MAIN LINE PRIOR TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.	7.000		1,365,000.	100000	
URIN LINIAL PT PRESSURE TANK, WWY WATER METER LEBOW 90° THREADED THE UNION PATENTE PRESSURE TANK, GATE VALVE THE UNION PATENTE THE SUPPLY FOR THE SUPPLY FOR THE SUPPLY FOR THE TOLET OF THE TOLET. ALL WATER CLOSET MUST HAVE DUAL/5-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET AND BIDET SPRAY AND MUST BE LOCATED ZOOMM FROM FROM THE FOLOT THE TOLET. ALLYE MUST BE RAISE BOOMM FROM THE FFL OF THE TOLET, FOR ANY CASE IT WILL NOT BE PROSSIBLE VERIFY TO ARCHITECT/ ENGINEER IN-CHARGE SUBMIT REPORT AND PHOTO/VIDED DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LINE PRIOR TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.	156 536555555	Ę.	135		1000000
WATER METER LIBOW 90" THREADED TEE THREADED CHECK VALVE CHECK VALVE THOUGH PATENTE CHECK VALVE THOUGH PATENTE TO HOSEBEB 1. ALL WATER CLOSET, MUST HAVE DUAL/S—WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET AND BIDET SPRAY AND MUSE LOCATED 200MM FROM FROM THE TOLET. 2. ALL TOILET AND BATH FILD OF THE TOLET. VALVE MUST BE RAISE BOOMM FROM THE FFL OF THE TOLET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECT/ ENGINEER IN—CHARGE 3. SUBMIT REPORT AND PHOTO/VIDED DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LINE PROOR TO A FINISHING WORKS THAT INVOLVES A PIPE				0.000	
ELBOW 99° THREADED A TEE THREADED DE GATE VALVE THE THREADED TO CHECK VALVE THE UNION PATENTE TO HECK VALVE THE UNION PATENTE TO HOSEBBB WITES 1. ALL WATER CLOSET, MUST HAVE DUAL/S—WAY BOTH WATER CLOSET MUST HERE DUAL/S—WAY BOTH WATER CLOSET MUST HERE DEPLY AND MUST BE LOCATED 200MM FROM FFL OF THE TOILET. 2. ALL TOILET AND BATH AND COMMON TOILET OF VALVE MUST BE RAISE BOOMM FROM THE FFL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECTY ENGINEER IN—GHARGE. 3. SUBMIT REPORT AND PHOTO/VIDEO DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LINE PROOR TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.		R		100000	
FLOAT VALVE THOSEBBB T. ALL WATER CLOSET MUST HAVE DUAL/S-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET AND BIFT SPRAY AND MUBBE LOCATED ZOOMM FROM FIL OF THE TOILET. ALL TOILET AND BATH AND COMMON TOLET OF VALVE MUST BE RAISE BOOMM FROM THE FIL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECTY ENGINEER IN-CHARGE. S. SUBMIT REPORT AND PHOTO/WDEO DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LINE PRIOR TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.	A THOUSAND		-	0.000	
NOTES: 1. ALL WATER CLOSET MUST HAVE DUAL/S-WAY ANGLE VALVE TO ACCOMMODATE THE SUPPLY FOR BOTH WATER CLOSET AND BIDET SPRAY AND MUSE LOCATED 200MM FROM FIL OF THE TOILET OF VALVE MUST BE RAISE BOOMM FROM THE FEL OF THE TOILET, FOR ANY CASE IT WILL NOT BE POSSIBLE VERIFY TO ARCHITECT/ ENGINEER IN-CHARGE. 3. SUBMIT REPORT AND PHOTO/WDED DOCUMENTATION OF WATERLINE PRESSURE TEST TOILET, ZONING AND PER MAIN LINE PROOR TO A FINISHING WORKS THAT INVOLVES A PIPE UNDERNEATH.	△ TEE THREADE	EO	(A)-	GATE	VALVE
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Website: Aspediatoborson.ph

TELEPHONE NO: 02-8682-3114

PREPARED BY : [ORIGINAL SIGNED] AR. ANJO H. RAQUEÑO REGISTERED & LICENSED ARCHITECT TECHNICAL ASSISTANT II (ARCHITECT II) EDUCATION SUPPORT SUPPOES DIMSION ASSESS DATE 2. MANNICALM VILLACE, CANTA, ROAL Error Address Inglor/officeprings-up. DEPARTMENT OF THE SOUGATION RESIDNAL OFFICE IV-A

HC 10, 090-1001-090 [ORIGINAL SIGNED] ENGR. EDILBERTO A. DAVILES JR. REGISTERED CANL ENGINEER TECHNICAL ASSISTANT II (ENGINEER II) EDUCATION SUPPORT SERVICES DIVISION DEPARTMENT OF THE EDUCATION REGIONAL OFFICE IV-A

PREPARED IN :

(HC NG 1800-0008-000) [ORIGINAL SIGNED] ENGR. JAMES MATWILL E. ABALOS REGISTERED ELECTRICAL ENGINEER SENOR TECHNICAL ASSISTANT IV (ENGINEER III) EDUCATION SUPPORT SERVICES DIVERDN DEPARTMENT OF THE EDUCATION REGIONAL SYFICE IV-A.

PK No. 1001-1005-1000 PM NO.

CHECKED BY:

[ORIGINAL SIGNED] ENGR. JAWAKA ROSE G. ROLLOQUE RECIONAL ENGINEER II CHEF EDUCATION SUPERVISOR RECIONAL DIRECTOR OF THE REGIONAL DIRECTOR OF THE

[ORIGINAL SIGNED] DR. EDUARDA M. ZAPANTA

APPROVED BY:

RECOMMENDING APPROVAL:

[ORIGINAL SIGNED] ATTY, ALBERTO T, ESCOBARTE, CESO II

HELC-NEAP WATERLINE AND SANITARY SYSTEM UPGRADE AND OTHER VARIOUS REPAIR

PROJECT TITLES

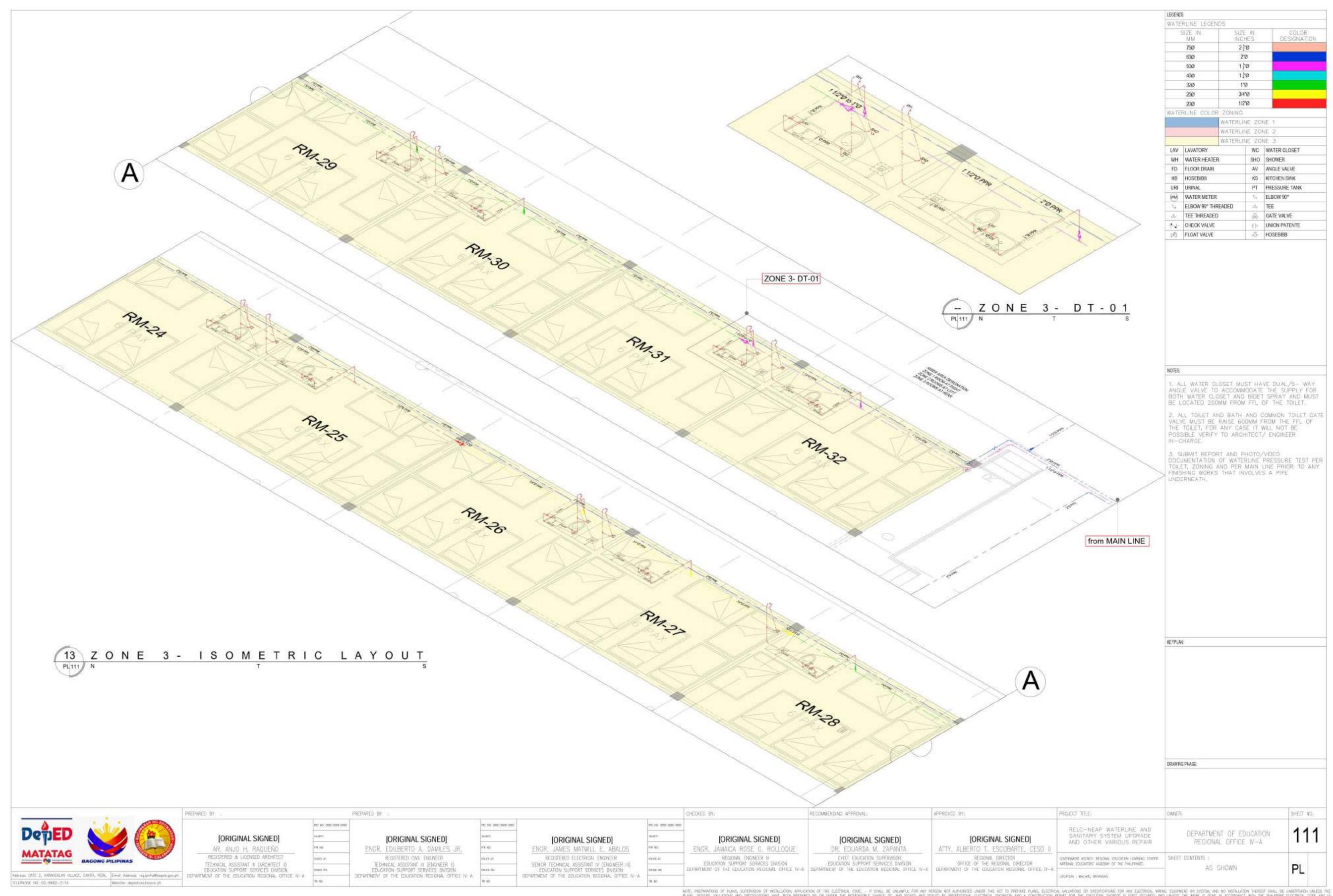
DEPARTMENT OF EDUCATION REGIONAL OFFICE IV-A

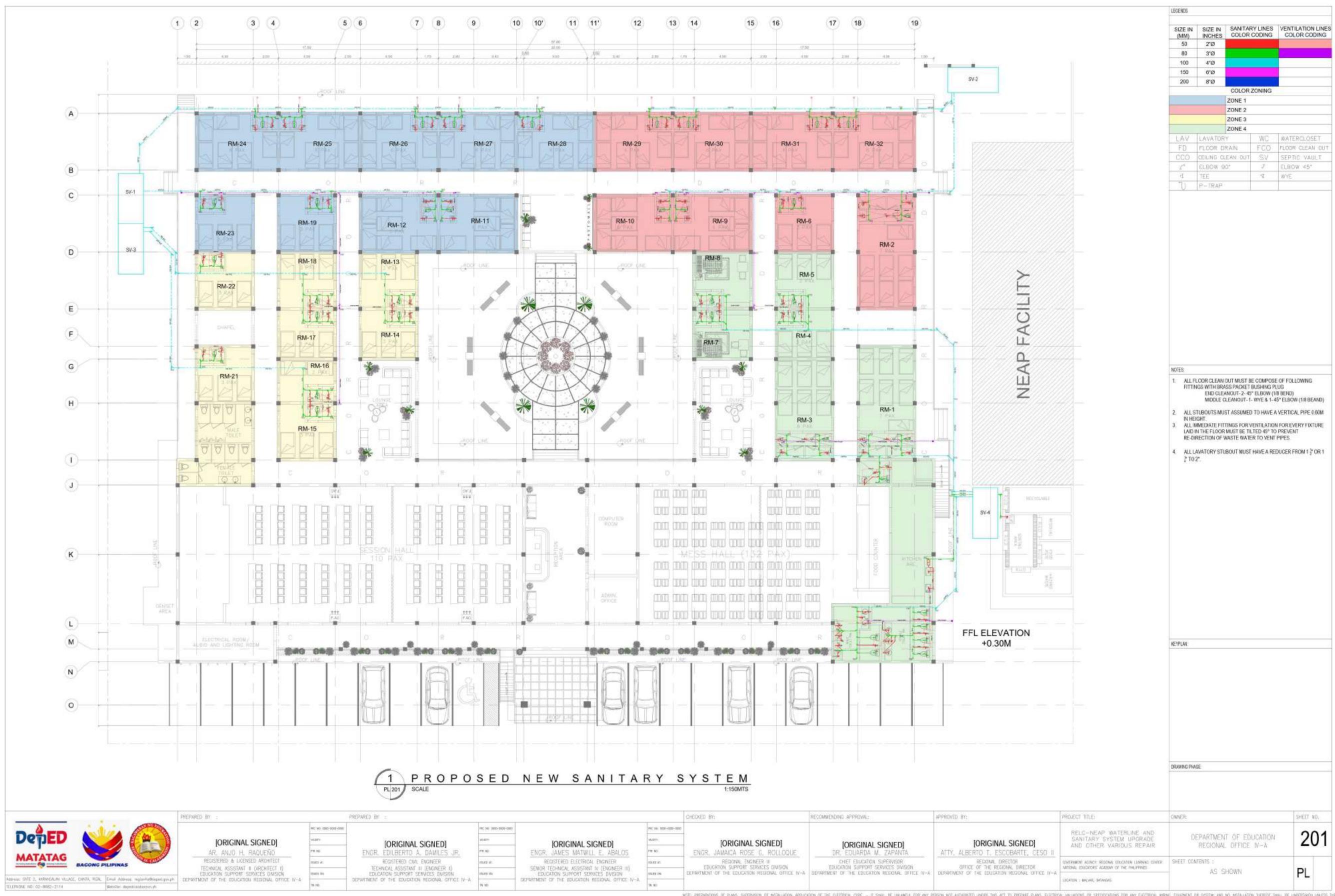
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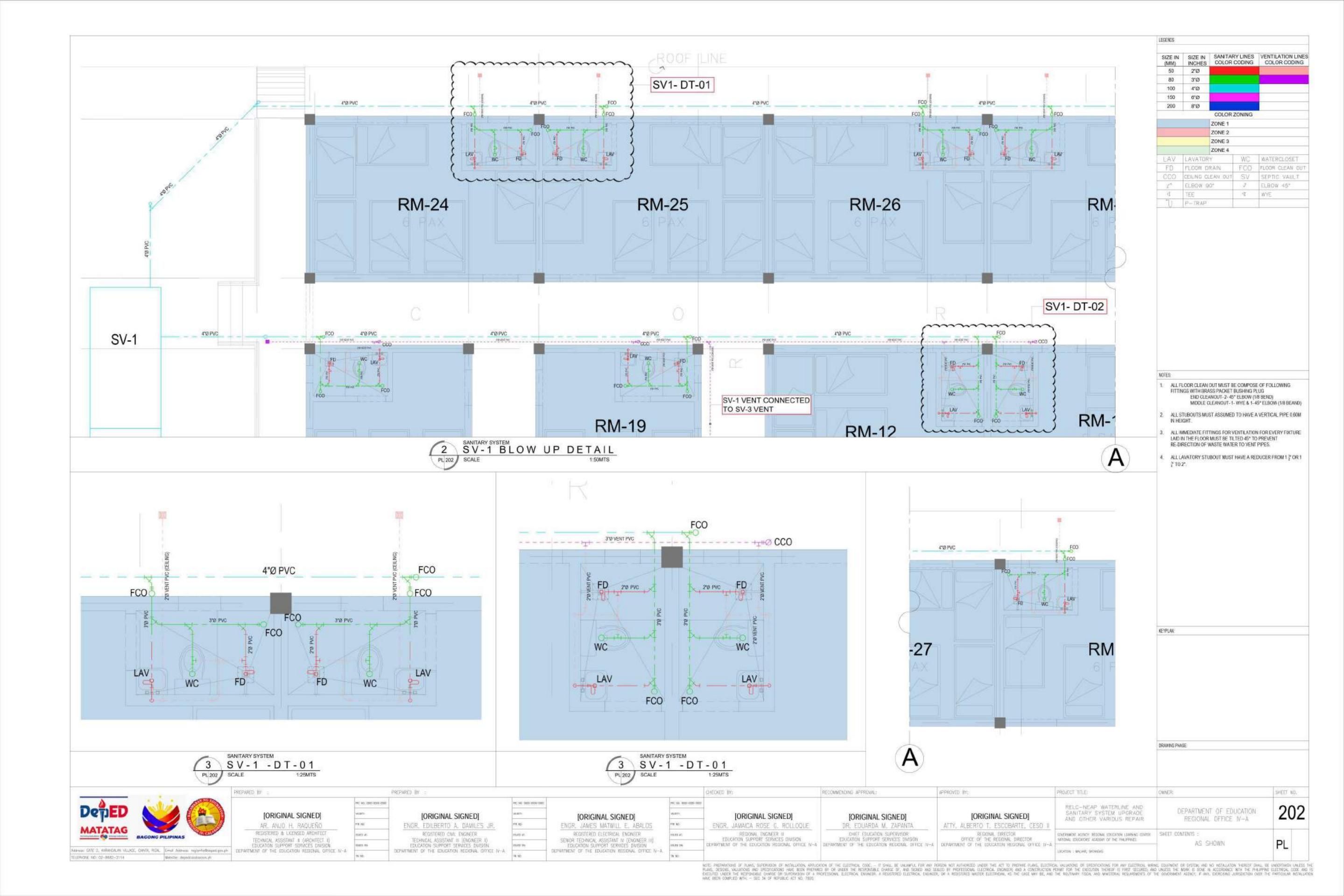
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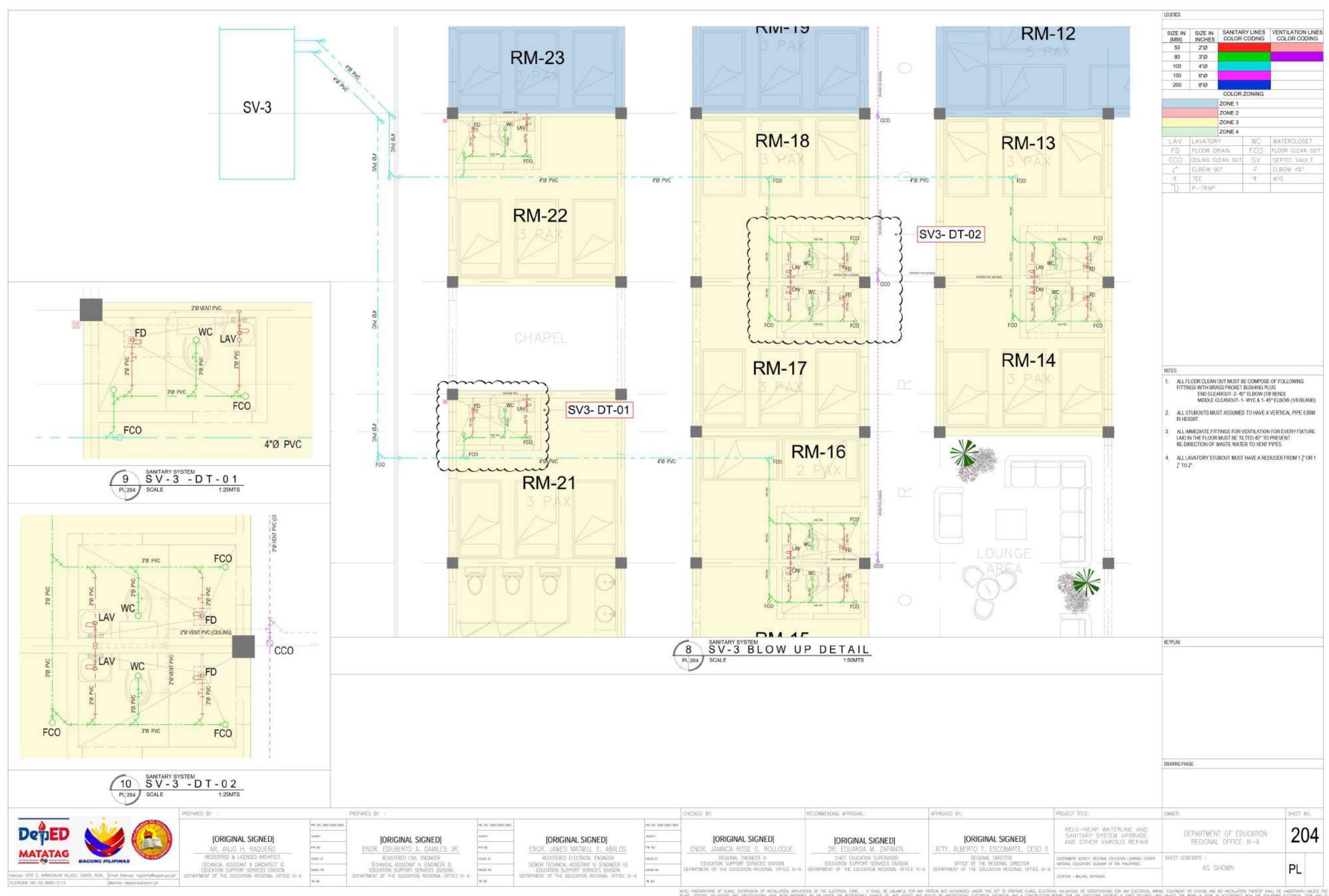
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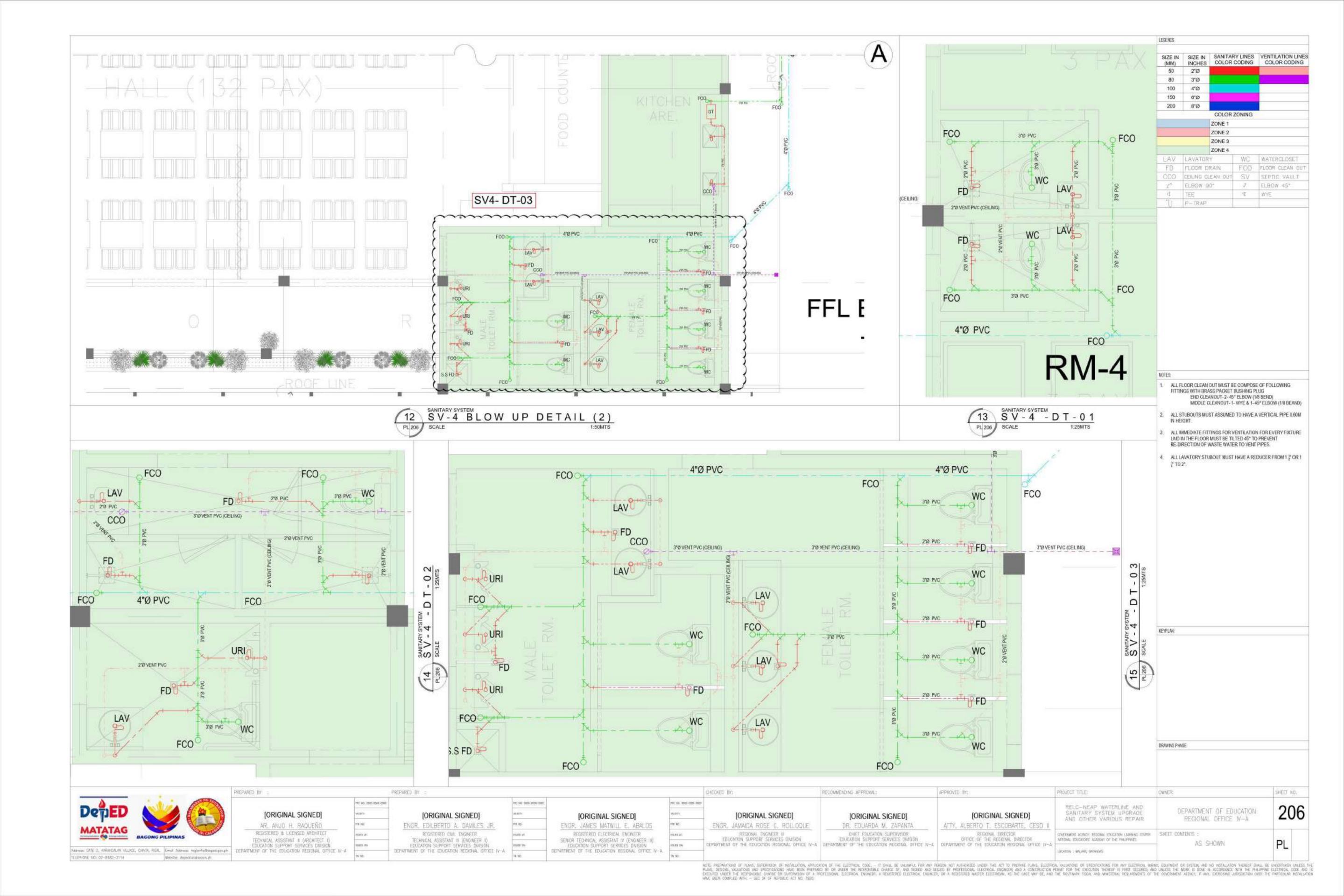


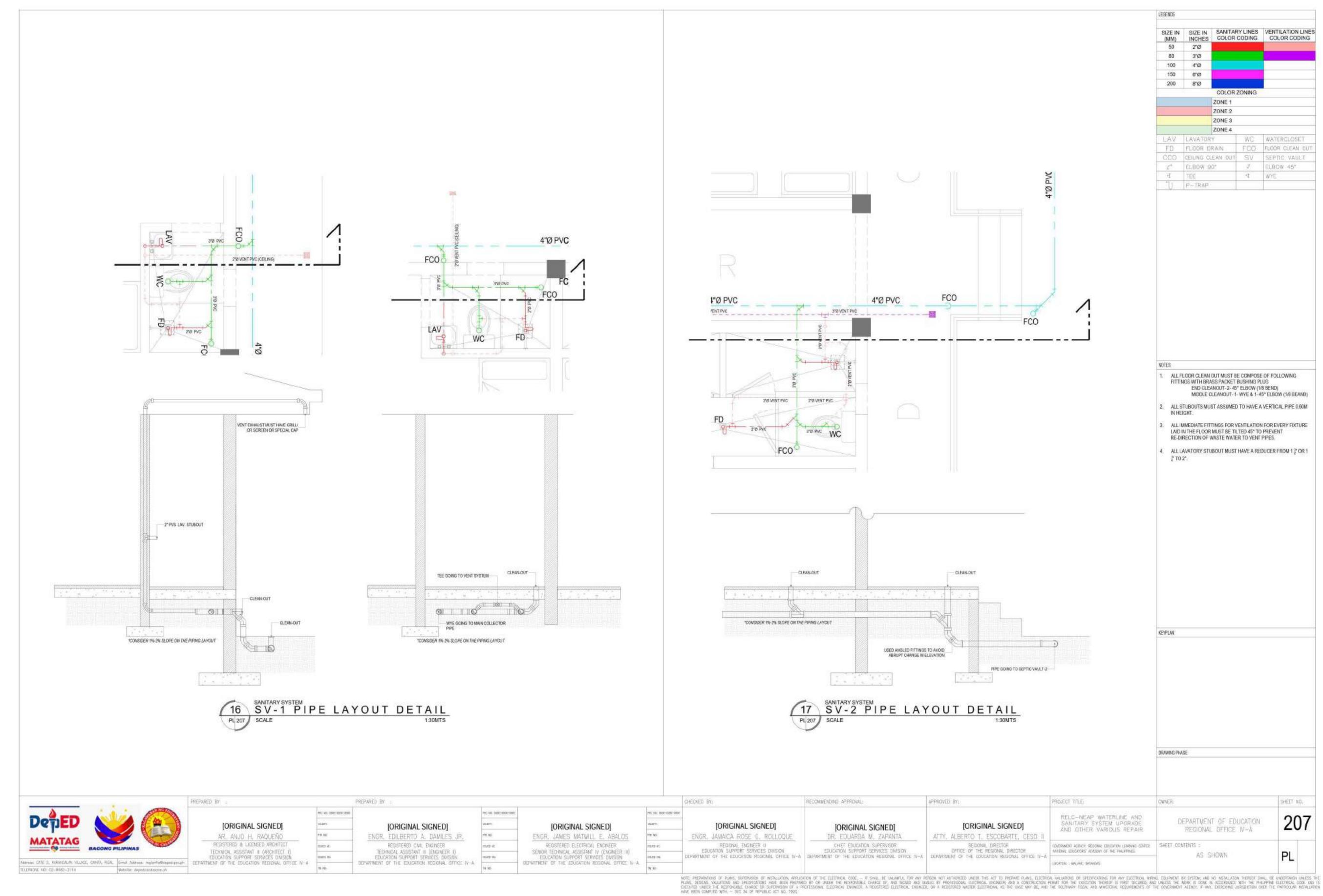


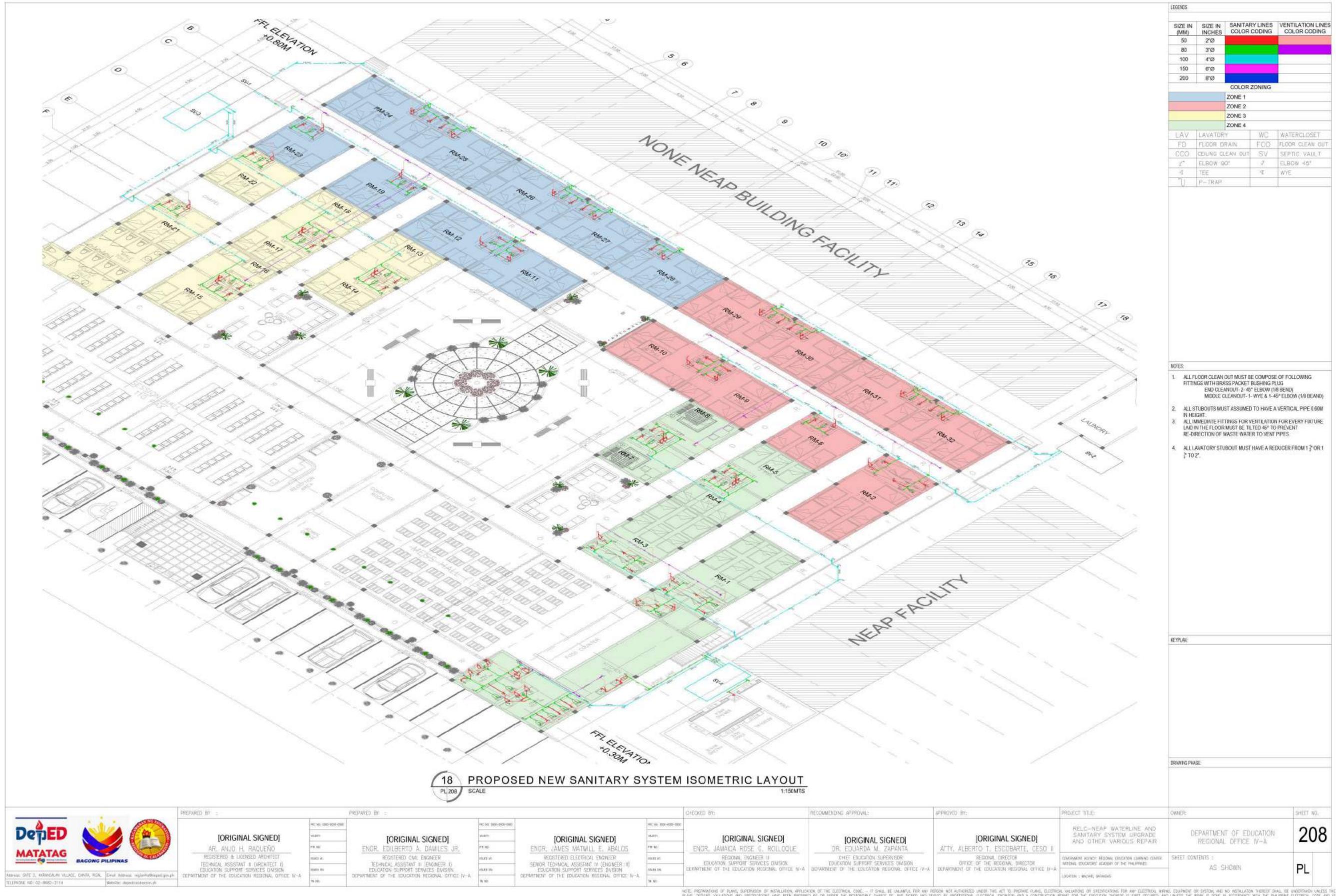






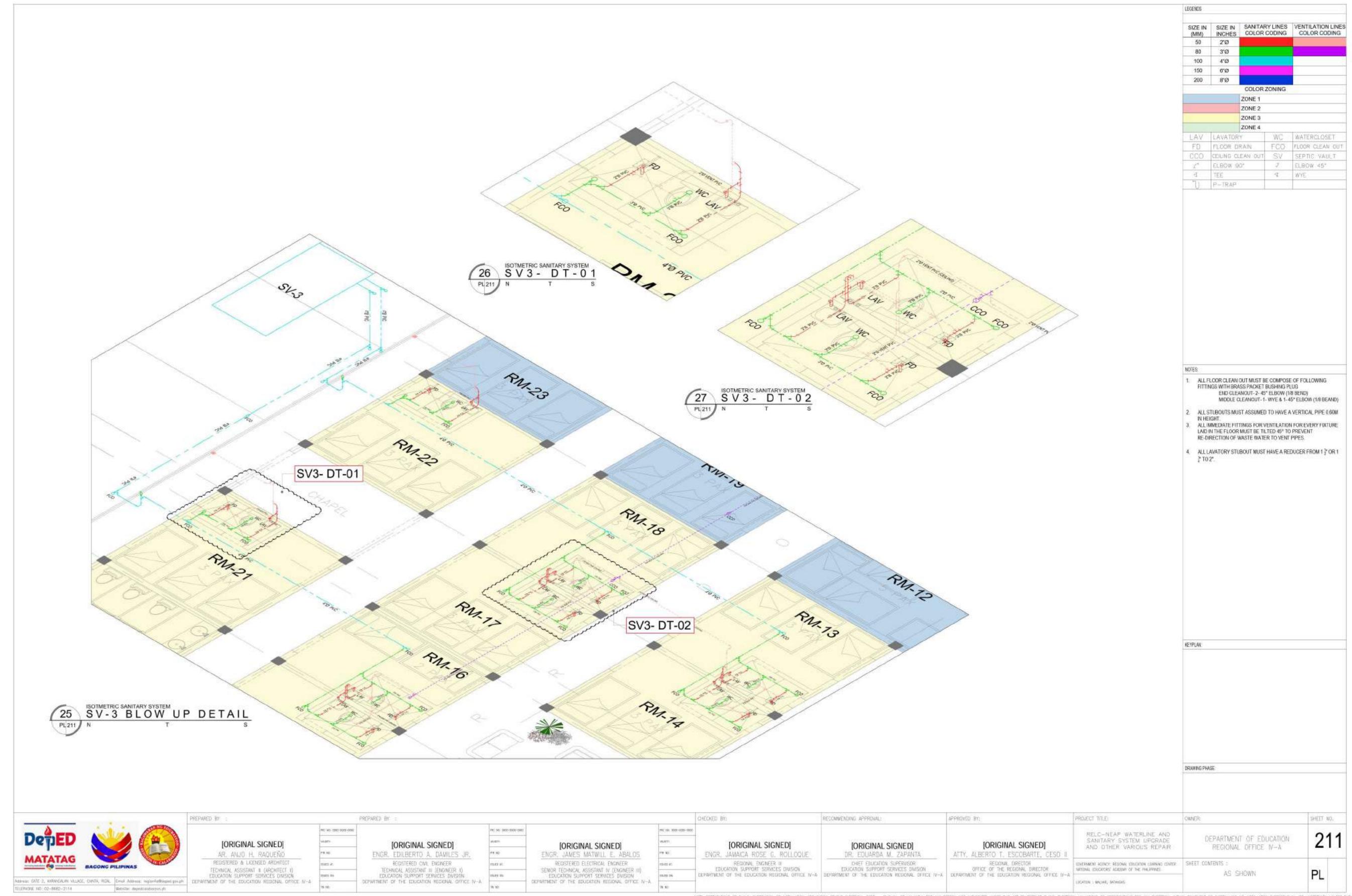


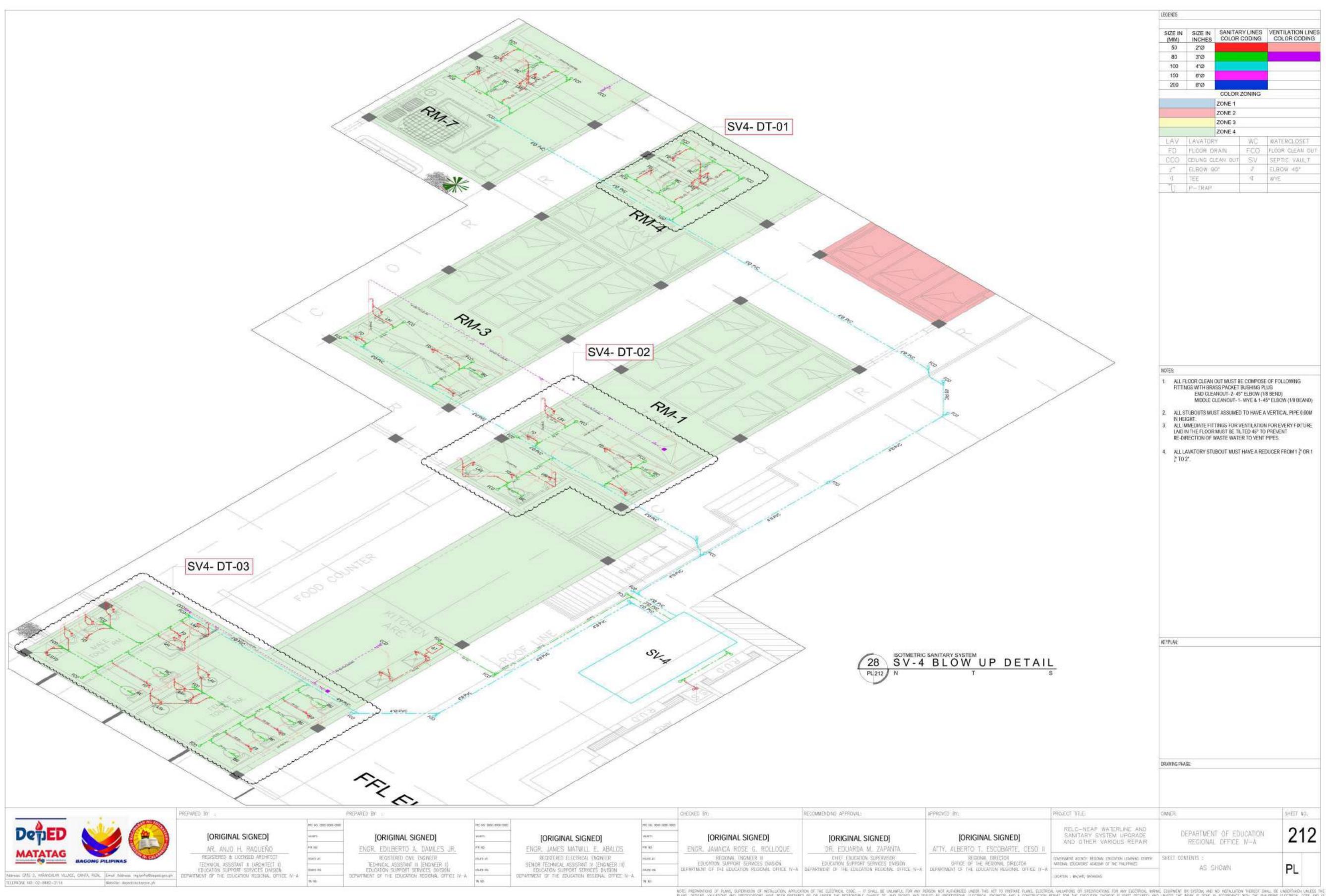


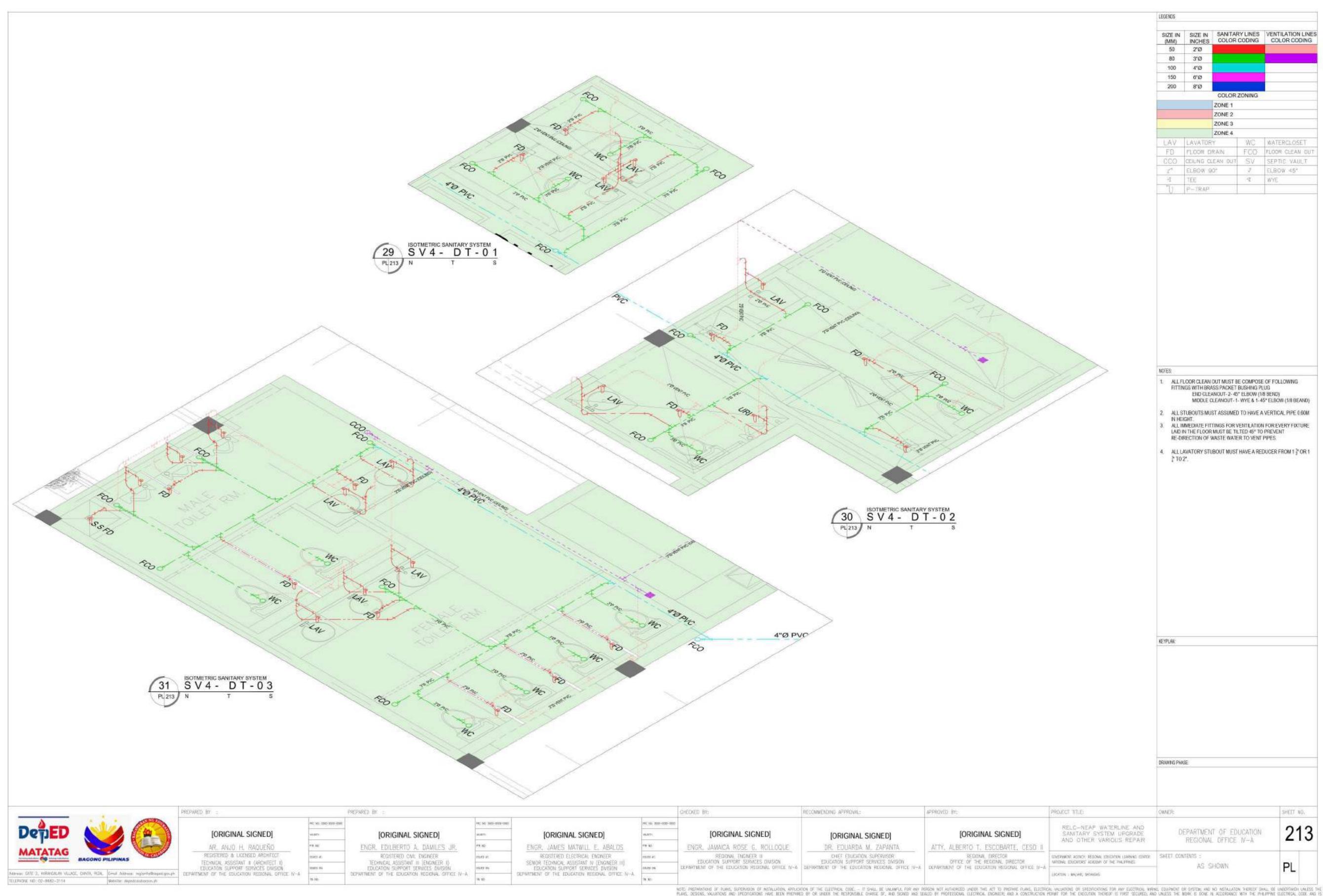


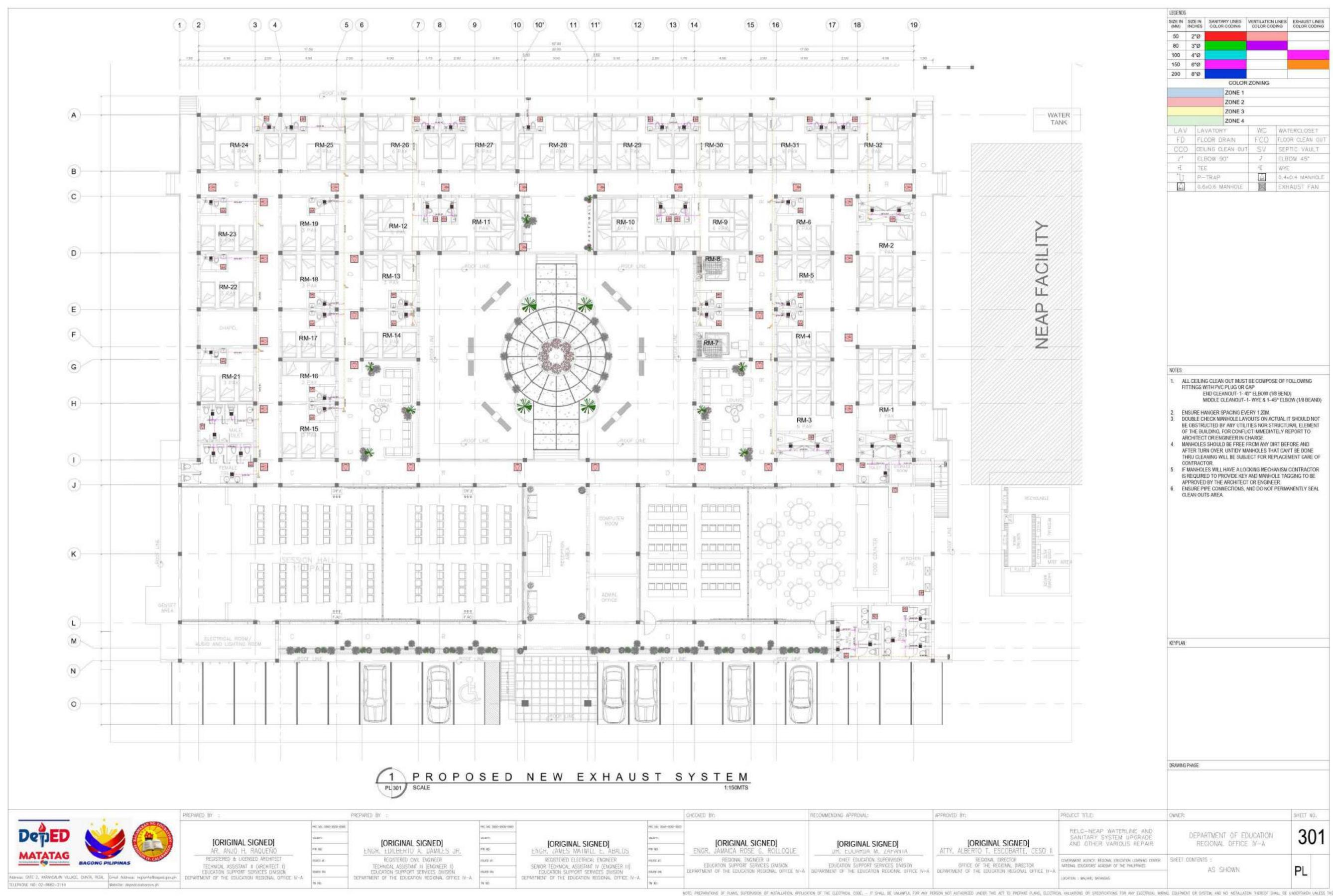












Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROGRAM OF WORKS BILL OF QUANTITIES REPAIR 2024 - RIV-A - RELC-NEAP - 001

Region :	IV-A CALABARZON	Date:					
Project Title :		Budget Allocation:					
970		Engineering and Administra	tive Overhead:				
		Approved Budget for the Co	ntract:				
		Completion Period: 135 Ca	lendar Days				
EDAID DELIAD	ILITATION AND MAINTENANCE OF NEAP FACILITY (REGION IV-A CALABARZON)	Minimum Required Manpow	ver:				
EPAIK, KEHAD	ILITATION AND MAINTENANCE OF NEAF FACILITY [REGION IV-A CALABARZON]	Electrical Engineer	General Foreman	Carpenter			
		Civil Engineer/ Architect	Master electrician	Painter			
		Safety Officer	Master Plumber	Scaffolder			
		First Aider	Welder	Plumber			
Location:		Helper	Mason	Steelman			
		Minimum Required Equipment:					
		Hand Tools	Pipe threader	Power Tools			
	P. Montecer St, Malvar, Batangas, Philippines	One-Bagger Mixer	PPR Fusion Weld				
	r. montecer St, marvar, Datangas, Philippines	Welding Machine	Hydraulic Pressure Test Pump				
		Bar Cutter	Jack Hammer				

	90			Bar Cutter Jack Hammer					
Item No.	Description	%	Unit	Quantity	Direct	Cost	Adjusted	Adjusted	
	Activistic Conference (Conference Conference	of Total	10.00000000		Total Cost	Unit Cost	Unit Cost	Total Cost	
(1)	(2)	(3)	(4)	(5)	(6)	(7) (6) / (5)	(8) (9) / (5)	(9)	
A.	Facilities for the Engineer					8 - 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e returnation of		
A.1	Temporary Facilities		Month	4.50					
B.	Other General Requirements								
B.1	Fire Safety Inspection Certificate (FSIC)		lot	1.00					
SPL 1	Project Billboard		Each	1.00					
SPL 2	Construction Safety and Health		Month	4.50		-			
B.2	Security/ Bill Deposit		Ls	1.00		1	5		
B.3	Equipment Testing and Commissioning		Ls	1.00					
C.	Mobilization and Demobilization								
C.1	Mobilization and Demobilization		Ls	1.00					
1	Earthworks		1						
1 (a)	Clearing and Grubbing		sq.m	45.28					
20 (a)	Manual Soil Excavation		cu.m	108.88					
1 (c)	Backfilling of Excavated Materials		cu.m	101,99					
1 (d)	Gravel Bedding		cu m	20.73					
2	Concreting Works (3000 psi)		S				2		
2(a)	Demolition of Reinforced Concrete		cu m	33.34					
2 (b)	Structural Concrete (Footing and Slab on Fill) - 3000psi		cu m	46.78					
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam) - 3000psi		cu.m	6.27					
2 (h)	Ramp on Fill - 3000psi		cu m	2.07					
3	Rebar Works		2	1					
	33733333333333								
21 (a)	Reinforcing Steel Bar, Grade 33		kg	2,881.00					
4	Formworks		Kg	2,001.00			10		
4 (a)	Installation and Removal of Formworks		sq.m	110.04					
5 5	Masonry Works		sq.m	110.04			()		
5 (a)	Demolition of Masonry Wall		sq m	144.62					
5 (a)	Masonry (100 mm CHB)		sq.m	139.54					
5 (d)	Plain Cement Plaster Finish		sq.m	318.22			7		
6	Fabricated Materials and Hardware		Sq.m	010.22			10		
6 (a)	Removal of Door with Jamb		set	33.00		-			
6 (b)	Removal of Window with Jamb		set	2.68			1		
6 (d)	Wooden Panel Door		sq m	62.79					
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)		set	31.00			***		
6 (g)	Ramp Rail		Ls	1.00					
6 (Ls-1)	Aluminum Door and Jamb Analok Finish, stainless steel hinges and lock		Ls	1.00					
6 (Ls-2)	Aluminum Sliding Window with Jamb, Analok/Bare Finish		sq m	3.00					
6 (Ls-3)	Relocation of Stainless Steel Letterings		Ls	1.00					
6 (Ls-4)	12mm tempered Glass Frameless Glass Door/ Glass Partition		Ls	1.00			1		
7	Steel Works								
7 (a)	Removal of Steel Trusses		kg	375.60					
7 (d)	Structural Steel Purlins		kg	5,018.94					
7 (g)	Metal Structure Accessories (Sag Rods)		pc	14.00					
7(Ls-1)	Rolled Shaped Steel		Ls	1.00					
7(Ls-2)	Steel Matting 2" x 2" x 3mm, 4ftx8ft		Ls	1.00					
7(Ls-3)	Repair of Water tank		Ls	1.00			Č (1)		
8	Roofing Works		7						
	Removal of Metal Roofing		-	34.69		-			

Item No.	Description	%	Unit	Quantity	Direct	Cost	Adjusted	Adjusted
	Construction of the Construction	of Total	0.25,000,00		Total Cost	Unit Cost	Unit Cost	Total Cost
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT		sq.m	53.35				
8 (d)	Fabricated Metal Roofing Accessory (Gutter)		m	276.00			7) (6)	
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)		m	10.00				
9	Ceiling and Carpentry Works		8	7			9	
9 (d)	Removal of Ceiling		sq.m	1,087.56			÷	
9 (f)	4.5mm Fiber Cement Board / 4.5mm Marine		sq.m	733.22				
= 177	Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary		0.080000	1.00100				
9 (Ls-1)	4' x 8' Laminated Phenolic/ laminated Marine Plywood Partition/ Cabinet		Ls	1.00				
9 (Ls-2)	Fabricated Cabinet and Shelves Marine Plywood 4ft x 8ft x 3/4" thk		Ls	25.92				
9(Ls-3)			Ls	1.00			/	
10	Electrical Works							
10 (a)	Removal of Old Wires and Electrical Equipment &		Ls	1.00				
E 10 (k)	Conduit, Boxes and Fitting		Ls	1.00		1	6 0	
E 10 (i)	Wires and Wiring Devices		Ls	1.00				
E 10 (j)	Panel Board and Circuit Protections		Ls	1.00				
E 10 (f)	Secondary Assembly		set	1.00				
E 10 (1)	Metering System		set	1.00				
E 10 (g)	Guy and Anchor Assembly		set	1.00				
E 10 (d)	Grounding Assembly		set	1.00				
E 10 (c)	Distribution Transformer, Accessories and Assembly		Assy	1.00				
E 10 (b)	Distribution Poles		pc	1.00				
11	Plumbing Works		- 10			7		
11 (a)	Waterline Works		Ls	1.00				
12	Sanitary Works			1				
12 (a)	Sewer Line Works		Ls	1.00				
12 (b)	Sanitary/ Plumbing Fixtures		Ls	1.00				
13	Painting Works							
13 (a)	Masonry Painting		sq.m	2,806.90				
13 (b)	Wooden Painting		sq.m	786.17				
13 (c)	Metal Painting		sq.m	1,594.95			0	
14	Tile Works							
14 (a)	Glazed Tiles and Trims		sq.m	554.79				
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles		sq.m	1,141.35				
14 (LS-1)	Removal of Tiles		sq.m	1,262.67				
15	Mechanical Works		3				29	
15 (Ls-1)	Ceiling Exhaust Fans and Air Vent Ducting		Ls	1.00				
						Total Co	onstruction Cost	

Prepared l	y:
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PROGRAM OF WORKS

DETAILED COST ESTIMATE (TOTAL CONSTRUCTION COST/ ABC)

REPAIR 2024 - RIV-A - RELC-NEAP - 001

PROJECT: REPAIR, REHABILITATION AND MAINTENANCE OF NEAP FACILITY [REGION IV-A CALABARZON]

LOCATION: P. Montecer St, Malvar, Batangas, Philippines

OWNER: DEPARTMENT OF EDUCATION

	DESCRIPTION			ESTIMATED	35.5	DIZ VIDO	mom.	I MADIZ VID		TOTAL	ADJUSTED	CD ADJUSTEI
ITEM	DESCRIPTION	QUANTITY	UNIT	ESTIMATED MARK-UPS TOTAL MARK-UP DIRECT IN PERCENT		L MARK-UP	VAT (5%)	INDIRECT COST	TOTAL	UNIT		
NO.			39.202.93	COST	осм	PROFIT	%	VALUE	3		COST	COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) (6) + (7)	(9) (5) x (8)	(10) 5% [(5) + (9)]	(11) (9) + (10)	(12) (5) + (11)	(13) (12) / (3)
A.	Facilities for the Engineer						5 3550 95508	9000 0000	0.00000 00 00	10 1000 00 10 10	5505C 705 FE	26 20000000
A.1	Temporary Facilities	4.50	Month						01			
В.	Other General Requirements											
B.1	Fire Safety Inspection Certificate (FSIC)	1.00	lot									
SPL 1	Project Billboard	1.00	Each		1							
SPL 2	Construction Safety and Health	4.50	Month						70 No.			
B.2	Security/ Bill Deposit	1.00	Ls									
B.3	Equipment Testing and Commissioning	1.00	Ls									
C.	Mobilization and Demobilization											
C.1	Mobilization and Demobilization	1.00	Ls						2			
1.0000	Earthworks	7,000,000,000							V.			
1 (a)	Clearing and Grubbing	45.28	sq.m						9			
20 (a)	Manual Soil Excavation	108.88	cu.m									
1 (c)	Backfilling of Excavated Materials	101.99	cu.m						8			
1 (d)	Gravel Bedding	20.73	cu m						01			
2.0000	Concreting Works (3000 psi)								10			
2(a)	Demolition of Reinforced Concrete	33.34	cu m						40			
2 (b)	Structural Concrete (Footing and Slab on Fill) - 3000psi	46.78	cu m						11			
2 (c)	Structural Concrete (Footing Tie Beam, Column, Suspended Slab, Girder/ Beam) - 3000psi	6.27	cu.m						I.C.	4.6		
2 (h)	Ramp on Fill - 3000psi	2.07	cu m				2 3		0	32		
3.0000	Rebar Works	9	5		2		3		ge .	35		
21 (a)	Reinforcing Steel Bar, Grade 33	2,881.00	kg		1		. 8			1		
4.0000	Formworks				-		5					
4 (a)	Installation and Removal of Formworks	110.04	sq.m		2		2 32		i c	32		
5.0000	Masonry Works		î Y				8 3		0	15	î	
5 (a)	Demolition of Masonry Wall	144.62	sq m				33		ic.			
5 (b)	Masonry (100 mm CHB)	139.54	sq.m									
5 (d)	Plain Cement Plaster Finish	318.22	sq.m									
6.0000	Fabricated Materials and Hardware						9					
6 (a)	Removal of Door with Jamb	33.00	set				2		16	. 2	-	
6 (b)	Removal of Window with Jamb	2.68	set									
6 (d)	Wooden Panel Door	62.79	sq m									

ITEM	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT		RK-UPS ERCENT	тот	'AL MARK-UP	VAT (5%)	TOTAL INDIRECT COST	ADJUSTED TOTAL	ADJUSTED UNIT
NO.		8		COST		PROFIT	%	VALUE	•		COST	COST
6 (f)	Frames (Jambs, Sill, Head, Transoms, and Mullions)	31.00	set									
6 (g)	Ramp Rail	1.00	Ls						111			
6 (Ls-1)	Aluminum Door and Jamb Analok Finish, stainless steel hinges and lock	1.00	Ls									
6 (Ls-2)	Aluminum Sliding Window with Jamb, Analok/Bare Finish	3.00	sq m									
6 (Ls-3)	Relocation of Stainless Steel Letterings	1.00	Ls									
6 (Ls-4)	12mm tempered Glass Frameless Glass Door/ Glass Partition	1.00	Ls									
7.0000	Steel Works		-		1				**			
7 (a)	Removal of Steel Trusses	375.60	kg									
7 (d)	Structural Steel Purlins	5,018.94	kg						0)			
7 (g)	Metal Structure Accessories (Sag Rods)	14.00	pc									
7(Ls-1)	Rolled Shaped Steel	1.00	Ls			1						
7(Ls-1)	Steel Matting 2" x 2" x 3mm, 4ftx8ft	1.00	Ls			_				1		
7(Ls-2)	Repair of Water tank	1.00	Ls									
8.0000	Roofing Works	1.00	23				i -		-	+		†
8 (a)	Removal of Metal Roofing	34.69	sq.m		+	_			U .	1		-
8 (b)	Pre - painted Metal Sheets (Corrugated, Short Span/ Long Span, below 0.427 BMT/ above 0.427 BMT	53.35	sq.m									
8 (d)	Fabricated Metal Roofing Accessory (Gutter)	276.00	m			1						
8 (e)	Fabricated Metal Roofing Accessory (Ridge/ Hip Rolls/ Flashing/ Counter Flashing/ Valley Roll)	10.00	m									
9.0000	Ceiling and Carpentry Works											
9 (d)	Removal of Ceiling	1,087.56	sq.m									
9 (f)	4.5mm Fiber Cement Board/ 4.5mm Marine Plywood/ 6.0mm Marine Plywood/ 6.0 mm Ordinary Plywood on Metal Frame Ceiling	733.22	sq.m									
9 (Ls-1)	4' x 8' Laminated Phenolic/ laminated Marine Plywood Partition/ Cabinet	1.00	Ls									
9 (Ls-2)	Fabricated Cabinet and Shelves Marine Plywood 4ft x 8ft x 3/4" thk	25.92	Ls									
9(Ls-3)	Metal Spandrel 0.4mm THK x 6" Width in Metal Ceiling Framing	1.00	Ls									
10.0000	Electrical Works								0.			
10 (a)	Removal of Old Wires and Electrical Equipment & Devices	1.00	Ls									
E 10 (k)	Conduit, Boxes and Fitting	1.00	Ls									
E 10 (i)	Wires and Wiring Devices	1.00	Ls						0			
E 10 (j)	Panel Board and Circuit Protections	1.00	Ls						2			
E 10 (f)	Secondary Assembly	1.00	set							3		
E 10 (l)	Metering System	1.00	set									
E 10 (g)	Guy and Anchor Assembly	1.00	set									
E 10 (d)	Grounding Assembly	1.00	set						4. m			
E 10 (c)	Distribution Transformer, Accessories and Assembly	1.00	Assy									
E 10 (b)	Distribution Poles	1.00	рс									
11.0000	Plumbing Works	0.000							10			
11 (a)	Waterline Works	1.00	Ls									
12.0000	Sanitary Works											
12 (a)	Sewer Line Works	1.00	Ls									
12 (b)	Sanitary/ Plumbing Fixtures	1.00	Ls						11"			
13.0000	Painting Works	1.50	200									
13 (a)	Masonry Painting	2,806.90	sq.m									
()	Wooden Painting	786.17	sq.m		1				ń,	1		

ITEM	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT		RK-UPS ERCENT	тот	AL MARK-UP	N N N N N N N N N N N N N N N N N N N	TOTAL INDIRECT COST	ADJUSTED TOTAL	ADJUSTED UNIT
NO.				COST	осм	PROFIT	%	VALUE			COST	COST
13 (c)	Metal Painting	1,594.95	sq.m						01			
14.0000	Tile Works		777						0			
14 (a)	Glazed Tiles and Trims	554.79	sq.m				j				ľ	
14 (b)	Unglazed Tiles/ Granite Tiles/ Synthetic Granite Tiles	1,141.35	sq.m									
14 (LS-1)	Removal of Tiles	1,262.67	sq.m						0.0			
15.0000	Mechanical Works								33 30		()	
15 (Ls-1)	Ceiling Exhaust Fans and Air Vent Ducting	1.00	Ls									
	TOTAL CONSTRUCTION COST								2		120	

Prepared by:			

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Do	 <u>cuments</u> Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;
(b) S	I Documents Statement of the prospective bidder of all its ongoing government and private ontracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and
(c)	Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; <u>and</u>
(d)	Special PCAB License in case of Joint Ventures <u>and</u> registration for the type and cost of the contract to be bid; <u>and</u>
(e)	Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission <u>or</u> original copy of Notarized Bid Securing Declaration; <u>and</u>
(f)	Project Requirements, which shall include the following: a. Organizational chart for the contract to be bid; b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data; c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; and
(g)	Original duly signed Omnibus Sworn Statement (OSS) <u>and</u> if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
Financia (h)	<u>I Documents</u> The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).
(i)	Class "B" Documents If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence or

duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II.	FINA	ANC] (j)	IAL COMPONENT ENVELOPE Original of duly signed and accomplished Financial Bid Form; and
	<u>Othe</u>	er doe	cumentary requirements under RA No. 9184
		(k)	Original of duly signed Bid Prices in the Bill of Quantities; and
		(1)	Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and
		(m)	Cash Flow by Quarter.

