PHILIPPINE BIDDING DOCUMENTS

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

PROPOSED REHABILITATION OF DOÑA ROSARIO HIGH SCHOOL

Project number:
21-00212

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.

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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

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;

b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;

c. The deadline for the submission and receipt of bids; and

d. Any important bid evaluation criteria.

The IB should be incorporated into the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.

REPUBLIC OF THE PHILIPPINES
QUEZON CITY GOVERNMENT
BIDS AND AWARDS COMMITTEE FOR INFRASTRACTURE & CONSULTANCY

2nd floor, Finance Building, Procurement Department, Quezon City Hall Complex, Elliptical Road, Quezon City

December 3, 2021

Invitation to Bid

No.	Project No.	Project Name	Location	Amount	Duration Cal. Days	Office	Source Fund
Buildings – Small B							
1	21-00197	Proposed Rehabilitation of Perimeter Fence at the back of Ernesto Rondon High School	Project 6	1,073,831.85	45	Engineering Dept.	Special Education Fund
2	21-00198	Proposed Rehabilitation of Self-Help Multi-Purpose Center at Various Area in Barangay Fairview	Fairview	3,833,768.55	60	Engineering Dept.	Engineering Department-SB No. 1
3	21-00199	Proposed Construction of two (2) storey Dug Out / BDRRM Building at Barangay Bagumbuhay	Bagumbuhay	4,773,219.18	120	Engineering Dept.	Engineering Department-SB No. 1
4	21-00200	Proposed Construction of Hand Washing Facilities and Rehabilitation of Comfort Rooms at Fort Aguinaldo Elementary School	Camp Aguinaldo	5,356,851.41	120	Engineering Dept.	Special Education Fund
5	21-00201	Proposed Rehabilitation and Completion of Third Floor Extension Room of QCPSTA Building	Vasra	5,493,867.34	120	Engineering Dept.	Engineering Department-Continuing Appropriation
6	21-00202	Proposed Construction of Basketball Court Roofing at Bugallon Plaza	Bagumbuhay	5,501,197.47	150	Engineering Dept.	Engineering Department-SB No. 1
7	21-00203	Proposed Construction of Hand Washing Facility and Rehabilitation of Comfort Rooms at Leopoldo B. Santos Elementary School	Baesa	6,709,635.35	120	Engineering Dept.	Special Education Fund
8	21-00204	Proposed Rehabilitation of Comfort Rooms at Villa Verde Elementary School	Sta. Monica	7,130,520.28	120	Engineering Dept.	Special Education Fund
9	21-00205	Proposed Rehabilitation of Old Barangay Hall in Barangay Libis	Libis	7,319,551.14	120	Engineering Dept.	Engineering Department-SB No. 1
10	21-00206	Proposed Construction of Roofdeck Basketball Court with Gym and Rehabilitation of BDRRM Office at Quirino 3-A Barangay Hall	Quirino 3-A	7,535,079.58	150	Engineering Dept.	Engineering Department-SB No. 1
11	21-00207	Proposed Construction of Hand Washing Facility and Rehabilitation of Comfort Rooms at Sto. Cristo Elementary School	Sto. Cristo	7,538,520.97	120	Engineering Dept.	Special Education Fund

12	21-00208	Proposed Rehabilitation of Commonwealth Elementary School SB Hall Building	Commonwealth	7,775,417.79	150	Engineering Dept.	Special Education Fund
13	21-00209	Proposed Construction of Hand Washing Facility and Rehabilitation of Comfort Rooms at Pres. Corazon C. Aquino Elementary School	Batasan Hills	8,232,662.00	150	Engineering Dept.	Special Education Fund
14	21-00210	Proposed Construction of Hand Washing Facilities and Rehabilitation of Comfort Rooms at General Roxas Elementary School	Roxas	8,452,500.08	120	Engineering Dept.	Special Education Fund
15	21-00211	Proposed Construction of Three (3) Storey with Roof Deck Multi-Purpose Building at Barangay Silangan	Silangan	17,375,330.19	240	Engineering Dept.	Engineering Department-SB No. 1
16	21-00212	Proposed Rehabilitation of Doña Rosario High School	Novaliches Proper	24,054,862.76	240	Engineering Dept.	Special Education Fund
Buildings – Medium A							
17	21-00213	Proposed Construction of four (4) Storey with Roof Deck Health Center along West Riverside at Barangay San Antonio	San Antonio	43,306,020.86	300	Engineering Dept.	Engineering Department-SB No. 1
18	21-00214	Proposed Construction of four (4) Storey with Roof Deck Multi-Purpose Building at Barangay Bagong Pag-Asa	Bagong Pag-Asa	45,043,985.79	300	Engineering Dept.	Engineering Department-SB No. 1
19	21-00215	Proposed Construction of four (4) storey Betty Go-Belmonte Elementary School	Doña Imelda	77,487,318.17	420	Engineering Dept.	Special Education Fund

1. The **QUEZON CITY LOCAL GOVERNMENT**, through *funding source of various years* intends to apply the sum stated above being the Approved Budget for the Contract (ABC) to payments under the contract *for the above stated Projects.* Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The **QUEZON CITY LOCAL GOVERNMENT** now invites bids for the above Procurement Project. Completion of the Works is required *as stated above*. 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).

3. 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.

4. Interested bidders may obtain further information from **QUEZON CITY LOCAL GOVERNMENT – BAC Secretariat** and inspect the Bidding Documents at the address given below *weekdays from **8:00 am. – 5:00 p.m.***

5. A complete set of Bidding Documents may be acquired by interested bidders on ***6 December 2021 (Monday)*** from given address and website/s below *and upon payment of a non-refundable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *presented in person.*

STANDARD RATES:

Approved Budget for the Contract	**Maximum Cost of Bidding Documents (in Philippine Peso)**
More than 1 Million up to 5 Million	5,000.00
More than 5 Million up to 10 Million	10,000.00
More than 10 Million up to 50 Million	25,000.00
More than 50 Million up to 500 Million	50,000.00
More than 500 Million	75,000.00

The following are the requirements for purchase of Bidding Documents;

1. PhilGEPS Registration Certificate (Platinum – 3 Pages)
2. Document Request List (DRL)
3. Authorization to purchase bidding documents
   3.1 Secretary's Certificate (for corporation)
   3.2 Special Power of Attorney (for sole proprietorship)
4. Notarized Joint Venture Agreement (if applicable)
5. Letter of Intent

It must be duly received by the BAC Secretariat at 2nd Floor, Procurement Department, Finance Building, Quezon City Hall Compound on or before **December 13, 2021 - 5:00PM.**

6. The ***QC- BAC- INFRASTRUCTURE & CONSULTANCY*** will hold a Pre-Bid Conference[1] on **December 14, 2021** at **10:00 AM** at **2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound** or we encourage the prospective bidders to join through our **Virtual Conference (ZOOM APP)** which shall be open to prospective bidders.

   Virtual Conference (ZOOM APP)
   Meeting ID: 854 9489 0133
   Password: 273320

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before **December 27, 2021 – 9:00AM**. Late bids shall not be accepted.

8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

9. Bid opening shall be on **December 27, 2021 - 10:00 AM** at **2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound** and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

   Virtual Conference (ZOOM APP)
   Meeting ID: 810 3646 5257
   Password: 201522

[1] 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.

10. The ***Quezon City Local Government*** 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.

11. For further information, please refer to:

    ATTY. DOMINIC B. GARCIA
    OIC, Procurement Department
    2nd Floor, Procurement Department,
    Finance Building, Quezon City Hall Compound
    Elliptical Road, Barangay Central Diliman, Quezon City.
    Tel. No. (02)8988-4242 loc. 8506/8710
    Email Add: bacinfra.procurement@quezoncity.gov.ph
    Website: **www.quezoncity.gov.ph**

12. You may visit the following websites:

    For downloading of Bidding Documents: **https://quezoncity.gov.ph/public-notices/procurement/**

By:

ATTY. MARK DALE DIAMOND P. PERRAL
Chairman, BAC-Infra and Consultancy

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, **Quezon City Government** invites Bids for the **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGH SCHOOL,** with Project Identification Number **21-00212.**

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project (referred to herein as "Project") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2021** in the amount of **Twenty-Four Million Fifty-Four Thousand Eight Hundred Sixty-Two Pesos & 76/100 Ctvs. (P 24,054,862.76).**

2.2. The source of funding is:

a. LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

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

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding , state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criterial stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.

7.2. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary

requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

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 on **December 14, 2021, 10:00 A.M. at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound** and/or we encourage the prospective bidders to join through our **Virtual Conference (ZOOM APP) Meeting ID: 854 9489 0133 Password: 273320**

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 PCAB License is required, and in case of joint ventures, a valid special PCAB License, 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 **in no case shall exceed One Hundred Twenty (120) calendar days from the date of opening of bids, unless duly extended by the bidder upon the request of the Head of the Procuring Entity (HoPE) of the Quezon City Local Government**. 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.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

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 **5** 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 9 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

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

a. Information that specifies and complements provisions of the ITB must be incorporated.

b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

<table>
<tr><th>ITB Clause</th><th></th></tr>
<tr><td>5.2</td><td>For this purpose, similar contracts shall refer to contracts which have the same major categories of work.</td></tr>
<tr><td>7.1</td><td>Subcontracting is not allowed.</td></tr>
<tr><td>10.3</td><td>No additional contractor license or permit is required

In addition, eligible bidders shall qualify or comply with the following:

1. Bidders with valid Philippine Contractors Accreditation Board (PCAB)

Type

Building - Small B</td></tr>
<tr><td>10.4</td><td>The minimum work experience requirements for key personnel are the following:

<table>
<tr><th>Qnty.</th><th>Key Personnel</th><th>General Experience</th><th>Relevant Experience</th></tr>
<tr><td>1</td><td>Project Manager</td><td>3 years</td><td>3 years</td></tr>
<tr><td>1</td><td>Project Engineer</td><td>3 years</td><td>3 years</td></tr>
<tr><td>1</td><td>DPWH duly accredited Materials Engineer</td><td>3 years</td><td>3 years</td></tr>
<tr><td>1</td><td>Safety Officer</td><td>3 years</td><td>3 years</td></tr>
<tr><td>1</td><td>Foreman</td><td>3 years</td><td>3 years</td></tr>
<tr><td>72</td><td>Skilled Worker</td><td>3 years</td><td>3 years</td></tr>
<tr><td>1</td><td>Driver</td><td>3 years</td><td>3 years</td></tr>
<tr><td>83</td><td>Laborer/Helper</td><td>1 year</td><td>3 months</td></tr>
</table>

In addition, the bidder must execute an affidavit of undertaking duly notarized stating that the foregoing personnel shall perform work exclusively for the project until its completion. Please see attached bid forms.</td></tr>
<tr><td>10.5</td><td>The minimum major equipment requirements are the following:

<table>
<tr><th>Equipment</th><th>Capacity</th><th>Number of Units</th></tr>
<tr><td>Elf Truck</td><td></td><td>1</td></tr>
<tr><td>Scaffolding</td><td></td><td>as needed</td></tr>
<tr><td>Power Tools</td><td></td><td>as needed</td></tr>
<tr><td>Minor Tools</td><td></td><td>as needed</td></tr>
</table>
</td></tr>
</table>

	In addition, the bidder must execute an affidavit of undertaking duly notarized stating that the foregoing equipment shall be used exclusively for the project until its completion. Please see attached bid forms.
12	*[Insert Value Engineering clause if allowed.]*
15.1	The bid security shall be in the form of a Bid Securing Declaration with project number, or any of the following forms and amounts: a) The amount of not less than Php 481,097.26 or equivalent to two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b) The amount of not less than Php 1,202,743.14 or equivalent to five percent (5%) of ABC if bid security is in Surety Bond.
19.2	**Partial bid is not allowed.** The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	No additional requirement.
21	**Additional Contract Documents relevant to the Project as required:** **1. Construction Schedule and S-curve,** **2. Manpower Schedule,** **3. Construction Methods,** **4. Equipment Utilization Schedule,** **5. PERT/CPM or other acceptable tools of project scheduling, shall be included in the submission of Technical Proposal.**

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

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

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

a. Information that complements provisions of the GCC must be incorporated.

b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
2	Completion of work shall be within 240 calendar days.
4.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor upon receipt of the Notice to Proceed.
6	The site investigation reports are: *[list here the required site investigation reports.]*
7.2	*[Select one, delete the other.]* *[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]* Fifteen (15) years. *[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]* Five (5) years. *[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]* Two (2) years.
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
13	The amount of the advance payment is no more that fifteen percent (15%) of the Contract Price subject to approval by the HOPE and compliance with the conditions under RA 9184 and its IRR.
14	No further instructions.
15.1	The date by which operating and maintenance manuals are required is *thirty (30) days* The date by which "as built" drawings are required as part of final payment
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is ten (10%) percent of the contract price.

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.

Republic of the Philippines
Quezon City
CITY ENGINEERING DEPARTMENT
Civic Center Building B, Quezon City Hall Compound, Elliptical Road
Diliman, Central 1100 Quezon City
Trunk line +63 2 8988 4242

TECHNICAL SPECIFICATIONS
QUEZON CITY INFRASTRUCTURE PROJECT

PROJECT TITLE: **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGH SCHOOL**

LOCATION: **BARANGAY NOVALICHES PROPER, DISTRICT 6, QUEZON CITY**

I. GENERAL REQUIREMENTS

a Comply with the current and existing laws, ordinances and applicable codes, rules and regulations and standards. Any works perform contrary to the existing laws, rules and regulations, ordinances and standards without notice shall bear all cost arising therefrom.

b. Drawings, specifications, codes and standards are minimum requirements. Where requirements differ, the more stringent apply.

c. Should there be any change(s) in drawings or specifications, it is required to comply with the governing regulations, notify the implementing agency.

d. Photographs shall be taken as, when and where directed at intervals of not more than one month. The photographs shall be sufficient in number and location to record the exact progress of the works. The photographs shall be retained and will become the property of the Government.

e Site verification / inspection shall be conducted to validate the scope of works. No extra compensation and extension of time shall be given due to negligence or inadvertence.

f The quality of materials shall be of the best grade of their respective kinds for the purpose. The work shall also be performed in the best and most capable manner in strict accordance with requirements of the plans and details. All materials not conforming to the requirements of these specifications shall be considered as defective.

g. All equipment and installations shall meet or exceed minimum requirements of the standards and codes.

h. Mobilization and Demobilization (if applicable)

i. Mobilization shall include all activities and related costs for transportation of personnel, equipment, and operating supplies to the site; establishment of offices, buildings, and other necessary general facilities for the operations at the site.

ii. Demobilization shall include all activities and costs for transportation of personnel, equipment, and supplies not anymore required within the construction site including the disassembly, removal and site clean-up of offices and other facilities assembled on the site specifically for this contract.

i. Execute work in strict accordance with the best practices of the trades in a thorough, substantial, workmanlike manner by competent workmen. Provide a competent,

experienced, full-time supervisor who is authorized to make decisions on behalf of the Contractor.

j Temporary Facilities and Utilities

i. All facilities shall be near the job site, where necessary and shall conform to the best standard for the required types

ii Temporary facilities shall be provided and maintained including sanitary facilities and first aid stations.

iii. Temporary utilities shall be sufficiently provided until the completion of the project such as water, power and communication.

iv. Temporary enclosure shall be provided within the construction site with adequate guard lights, railings and proper signages.

v. Temporary roadways shall be constructed and maintained to sustain loads to be carried on them during the entire construction period

vi Upon completion of the work, the temporary facilities shall be demolished. hauled-out and disposed properly

k. Adequate construction safety and health protection shall be provided at all times during the execution of work to both workers and property

i A fully trained Medical Aide shall be employed permanently on the site who shall be engaged solely from medical duties.

ii. The medical room shall be provided in waterproof; it could be a building or room designated and used exclusively for the purpose and have a floor area of at least 15 square meters and a glazed window area of at least 2 square meters.

iii. The location of the medical room and any other arrangements shall be made known to all employees by posting on prominent locations suitable notices in the site.

iv. Additional safety precautions shall be provided in the observance of pandemic. Protocols set-forth by the government shall be strictly followed.

l. Necessary protections to the adjacent property shall be provided to avoid untoward incidents / accidents.

m Final cleaning of the work shall be employed prior to the final inspection for certification of final acceptance. Final cleaning shall be applied on each surface or unit of work and shall be of condition expected for a building cleaning and maintenance program.

II. SITE WORKS

A. All grades lines, levels and dimensions shall be verified as indicated on the plans and details. Any discrepancies or inconsistencies shall be reported before commencing to work.

B. Removal / demolition of existing structures shall be done in accordance to safety procedures.

C. All excavations shall be made to grade as indicated in the plans Whenever water is encountered in the excavation process, it shall be removed by pumping, care being taken that the surrounding soil particles are not disturbed or removed

D All backfills shall be placed in layers not exceeding to 150mm in thickness and each layer shall be thoroughly compacted wetting, tamping and rolling

III. CIVIL / STRUCTURAL WORKS

A. CONCRETE WORK

a. Delivery, Storage, and Handling: All materials shall be so delivered, stored, and handled as to prevent the inclusion of foreign materials and the damage of materials by water or breakage. Package materials shall be delivered and stored in original packages until ready to be used. Packages or materials showing evidence of water or other damage shall be rejected.

b. Unless otherwise specified herein, concrete works shall conform to the requirements of the ACI Building Code. Full cooperation shall be given on trades to install embedded items. Provisions shall be made for setting items not placed in the forms. Before concrete is placed, embedded items shall have been inspected and tested for concrete aggregates and other materials shall have been done.

c. Materials

i. Cement for concrete shall conform to the requirements of specifications for Portland Cement (ASTM C – 150).

ii. Water used in mixing concrete shall be clean and free from other injurious amounts of oils, acids, alkaline, organic materials or other substances that may be deleterious to concrete or steel.

iii. Fine aggregates shall be beach or river sand conforming to ASTM C33, 'Specification for Concrete Aggregates'. Sand particle shall be course, sharp, clean free from salt, dust, loam, dirt and all foreign matters.

iv. Coarse aggregates shall be either natural gravel or crushed rock conforming to the 'Specifications for Concrete Aggregates (ASTM C33). The minimum size of aggregates shall be larger than one fifth (1/5) of the narrowest dimensions between sides of the forms within which the concrete is to be cast nor larger than three fourths (3/4) of the minimum clear spacing between reinforcing bars or between reinforcing bars and forms.

d. Proportioning and Mixing

i. Proportioning and mixing of concrete shall conform to the requirements for Item 405 of the standard specification with the following proportions:

Cement : Sand : Gravel

- Class "A" - 1 : 2 : 3
- Class "B" - 1 : 2 : 4
- Class "C" - 1 : 2 ½

ii. Concrete mixture to be used for concrete shall conform with the structural requirements.

iii. Mixing – concrete shall be machine mixed. Mixing shall begin within 30 minutes after the cement has been added to the aggregates.

e. Forms

i. General – Forms shall be used whatever necessary to confine the concrete and shape it to the required lines, or to insure the concrete of contamination with materials caving from adjacent, excavated surfaces. Forms shall have sufficient strength to withstand the pressure resulting from placement and vibration of the concrete, and shall be maintained rigidly in correct position. Forms shall be sufficiently tight to prevent loss of mortar from the concrete. Forms shall be ¾" waterproof plywood and form lumber.

ii. Cleaning of Forms – before placing the concrete, the contact surfaces of the formed hall be cleaned of encrustations of mortar, the grout or other foreign material.

iii. Removal of Forms – forms shall be removed in a manner which will prevent damage to the concrete. Forms shall not be removed without approval. Any repairs of surface imperfections shall be formed at once and airing shall be started as soon as the surface is sufficiently hard to permit it without further damage

f. Placing Reinforcement:

Steel reinforcement shall be provided as indicated, together with all necessary wire ties, chairs, spacer supported and other devices necessary to install and secure the reinforcement properly. All reinforcement, when placed, shall be free from loose, flaky rust and scale, oil grease, clay and other coating and foreign substances that would reduce or destroy its bond with concrete. Reinforcement shall be placed accurately and secured in place by use of metal or concrete supports, spacers and ties. Such supports shall be used in such manner that they will not be exposed or contribute in any way, to the discoloration or deterioration of the concrete.

g. Conveying and Placing Concrete:

i. Conveying – concrete shall be conveyed from mixer to forms as rapidly as applicable, by methods which will prevent segregation, or loss of ingredients. There will be no vertical drop greater than 1.5 meters except where suitable equipment is provided to prevent segregation and where specifically authorized.

ii. Placing – concrete shall be worked readily into the corners and angles of the forms and around all reinforcement and imbedded items without permitting the material to segregate, concrete shall be deposited as close as possible to its final position in the forms so that flow within the mass does not exceed two (2) meters and consequently segregation is reduced to a minimum near forms or embedded items, or elsewhere as directed, the discharge shall be so controlled that the concrete may be effectively compacted into horizontal layers not exceeding 30 centi-meters in depth within the maximum lateral movement spec fied.

iii. Time interval between mixing and placing. Concrete shall be placed before initial set has occured and before it has contained its water content for more than 45 minutes. No concrete mix shall be placed before 60 complete revolution of the machine mixer.

iv Consolidation of Concrete – concrete shall be consolidated with the aid of mechanical vibrating equipment and supplemented by the hand spading and tamping. Vibrators shall not be inserted into lower cursed that have commenced initial set; and reinforcement embedded in concepts beginning to set or already set shall not be disturbed by vibrators. Consolidation around major embedded parts shall by hand spading and tamping and vibrators shall not be used

v. Placing Concrete through reinforcement – In placing concrete through reinforcement, care shall be taken that no segregation of the coarse aggregate occurs. On the bottom of beams and slabs, where the congestion of steel near the forms makes placing difficult, a layer of mortar of the same cement-sand ratios as used in concrete shall be first deposited to cover the surfaces.

h. Curing

i. General – All concrete shall be moist cured for a period not less than seven (7) consecutive days by an approved method or combination applicable to local conditions.

ii. Moist Curing – The surface of the concrete shall be kept continuously wet by covering with burlap plastic or other approved materials thoroughly saturated with water and keeping the covering spraying or intermittent hosing

i. Finishing

i. Concrete surfaces shall not be plastered unless otherwise indicated. Exposed concrete surfaces shall be formed with plywood, and after removal of forms, the surfaces shall be smooth, true to line and shall present or finished appearance

except for minor defects which can be easily repaired with patching with cement mortar, or can be grounded to a smooth surface to remove all joint marks of the form works.

ii. Concrete Slabs on Fill. The concrete slabs on fill shall be laid on a prepared foundation consisting of sub grade and granular fill with thickness equal to the thickness of the overlaying slab except when indicated.

B. MASONRY

a. Masonry Units (CHB).
   i 100mm thick for all interior walls and exterior walls unless otherwise indicated

   ii Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.

   iii. Where full height walls are constructed with concrete hollow blocks, these shall extend up to the bottom of beam or slab unless otherwise indicated on plans. Provide stiffener columns & lintel beams as specified in the structural drawings or as specified or as deemed required to assure a stabilized wall due to height & other considerations

b Sand.

S-1, washed, clean and greenish in color.

c Mortar.

One part "Portland" cement and two parts sand and water but not more than three parts sand and water.

d. Plaster bond.

Apply plaster bond to all wall area

C. ROOFING WORKS

a. The roof shall be covered with Ga. 24 pre-painted G.I rib-type roofing sheets as shown on the plans. The roofing shall be secured to the purlins with min. 2 ½" max. 3" long Tek screws. Ridge rolls, hip rolls and valleys to be used shall be those compatible with the Ga. 24 pre-painted G.I. rib-type roofing sheets. They shall lap the roofing sheets at least 250mm. The ridge rolls, hip rolls and valleys shall be riveted to the roofing sheets.

b. The roof shall be covered with 6mm thick Rib-type polycarbonate sheets as shown on the plans. The roofing shall be secured to the purlins with min. 2 ½" max. 3" long Tek screws. Ridge rolls, hip rolls and valleys to be used shall be those compatible with the 6mm thick solid polycarbonate sheets. They shall lap the roofing sheets at least 250mm. The ridge rolls, hip rolls and valleys shall be riveted to the roofing sheets.

c All roofing sheets adjacent to concrete hollow block and other masonry walls such as property line firewalls, shall be provided with Gauge 26 pre-painted plain G.I. Flashing to extend to the top and over to the other side of the wall. All fasteners shall be placed at the top of the corrugations of the roofing sheets to prevent water from standing around the fasteners.

D. WATERPROOFING

a Waterproofing:

Furnish all labor, materials, equipment, plant and other facilities required to complete all waterproofing work as shown on the drawings and herein specified. All applications shall be strictly performed by an approved waterproofing Contractor.

b. Testing:

Test waterproofed area by seventy-two (72) hours and check for any seepages.

Note: Thickness should be as per Manufacturers Specifications and Installation depending on the Areas to be applied with.

IV. ARCHITECTURAL WORKS

A. TILE WORKS

a Both broken and unbroken old tiles must be chip-off
b Surface should be smoothen & clean.
c. Ceramic tiles shall be soaked in clean water prior to installation.
d. Lay the tiles true to profile as specified in the plan

B FABRICATED DOORS & WINDOWS

All doors and windows must be in approved quality as specified in the plan and program of works.

C. PAINTING WORKS

a. All primers, thinners and putty, also waterproofing for internal and external application shall be the same brand as the specified material.

b. Application shall be as per paint Manufacturer's specification and recommendation.

c Provide all drop cloth and other covering requisite for protection of floors, walls, aluminum, glass, finishes and other works

d. All applications and methods used shall strictly follow the Manufacturer's Instructions and Specifications.

e. All surfaces including masonry wall shall be thoroughly cleaned, putted, sandpapered, rubbed and polished, masonry wall shall be treated with Neutralizer.

f. All exposed finish hardware, lighting fixtures and accessories, glass and the like shall be adequately protected so that these are not stained with paint and other painting materials prior to painting works.

g All other surfaces endangered by stains and paint marks should be taped and covered with craft paper.

V. SANITARY / PLUMBING WORKS

A Comply with the current applicable codes, ordinances, and regulations of the authority or authorities having jurisdiction, the rules, regulations and requirements of the utility companies (as applicable).

B Supply, installation and testing of the following:

B.1 Potable water supply system complete in all respects including but not limited to submittals, shop drawings, piping, water meters, valves, bibbs, insulation, all accessories required for complete and operational of the system

B.2 Water service connections including but not limited to water meters, float valves. Any and all other works involve in providing the complete operation of the water supply system.

B.3 Soil waste and vent system complete in all respect including but not limited to connection to existing sewer, submittals, shop drawings, pipes, fittings, valves, cleanout, drains, etc. Complete and operational.

B.4 Storm drainage system complete in all respect including but not limited to connection to existing storm drainage, submittals, shop drawings, pipes, fittings, valves, cleanout, drains, etc. Complete and operational.

C. Workmanship and installation methods shall conform to the best modern practice. Employ skilled tradesmen to perform work under the direct supervision of fully qualified personnel

D. All equipment and installations shall meet or exceed minimum requirements of the Standards and Codes as specified in plans and program of work.

E. Install equipment in strict accordance with manufacturers written recommendations.

F Physical sizes of all plant and equipment are to be suitable for the space allocated for the accommodation of such plant and equipment, taking into account the requirement of access for maintenance purposes

G. In selecting makes and types of equipment the Contractor shall ascertain that facilities for proper maintenance, repair and replacement are provided

H. Where the Contractor proposes to use an item of equipment other than that specified or detailed in the drawing, which requires any redesign of the system, drawings showing the layout of the equipment and such redesign as required therefore shall be prepared by the Contractor at his own expenses. Where such approved deviation necessitates a different quantity and arrangement of materials and equipment's from that originally specified or indicated in the drawings, the Contractor shall furnish and install any such additional materials and equipment's required by the system at no additional cost.

I. Equipment catalogue and manufacturer's specifications must be submitted for examination and details shall be submitted for approval before any equipment is to be ordered.

J This shall include all information necessary to ascertain the equipment comply with this specification and drawings. Data and sales catalogue of a general nature will not be accepted.

K. All materials, equipment components and accessories shall be delivered to the Site in a new condition, properly packed and protected against damage or contamination or distortion, breakage or structural weakening due to handling, adverse weather or other circumstances and, as far as practicable, they shall be kept in the packing cases or under approved protective coverings until required for use.

L. Any items suffering from damage during manufacture, or in transit, or on site whilst in storage or during erection shall be rejected and replaced without extra cost

M. All sanitary fittings and pipework shall be cleaned after installation and keep them in a new condition.

N All installed pipelines shall be flushed through with water, rodded when necessary to ensure clearance of debris.

O. Cleaning and flushing shall be carried out in sections as the installation becomes completed

P. The Contractor shall carry out hydraulic test on the complete plumbing systems and the drainage system to show that it is functioning satisfactorily within the requirements of this Specification and local regulations.

Q. The Contractor shall provide suitable test pumps and arrange for a supply of water required in connection with testing of pipework. The test pump shall be fitted with pressure gauges which shall be of suitable range for the pressure being applied.

R. Hydraulic tests shall be carried out as the pipework is installed and shall be completed before chases in walls and ducts are closed. Also test shall be carried out prior to false ceilings and other finishes are installed.

S. Testing apparatus shall be provided by the Contractor. Where any section of pipework or equipment is unable to withstand the maximum pipework test pressure, it shall be isolated during the pipework test then that section of pipework or equipment shall be re-tested at the appropriate test pressure.

T. The Sanitary Contractor must carry out any additional tests required by the end-user and/or approving agency.

U. Drainage pipe shall be tested by filling the pipe with 3m. of water higher than the test section and wait for 15 min, then check for leakage at every joints.

V Testing of drainage systems shall be carried out in sections by dividing the system horizontally. Each section shall comprise pipework and fitting for three floors/storeys required for testing.

W Drainage pressure pipe shall be hydraulic tested at minimum pressure 50 psi.

X Hangers and supports for plumbing piping and equipment shall withstand the effects of gravity loads and stresses within limits and under conditions indicated according to ASCE/SEI 7.

Y. Install hangers and supports to allow controlled thermal and seismic movement of piping systems, to permit freedom of movement between pipe anchors, and to facilitate action of expansion joints, expansion loops, expansion bends, and similar units

Z. Install lateral bracing with pipe hangers and supports to prevent swaying.

AA. Install building attachments within concrete slabs or attach to structural steel. Install additional attachments at concentrated loads, including valves, flanges, and strainers, NPS 2-1/2 (DN 65) and larger and at changes in direction of piping. Install concrete inserts before concrete is placed, fasten inserts to forms and install reinforcing bars through openings at top of inserts

BB. Install hangers and supports so that piping live and dead loads and stresses from movement will not be transmitted to connected equipment.

CC. Install hangers and supports to provide indicated pipe slopes and to not exceed maximum pipe deflections allowed by ASME B31.9 for building services piping.

VI. ELECTRICAL WORKS

A. Comply with the current applicable codes, ordinances, and regulations of the authority or authorities having jurisdiction, the rules, regulations and requirements of the utility companies (as applicable).

S. Drawings, specifications, codes and standards are minimum requirements. Where requirements differ, the more stringent apply.

C. All equipment and installations shall meet or exceed minimum requirements of the Standards and Codes

D. Execute work in strict accordance with the best practices of the trades in a thorough, substantial, workmanlike manner by competent workmen

E When the tests and inspections have been completed, a label shall be attached to all devices tested. The label shall provide the name of the testing company, the date the tests were completed, and the initials of the person who performed the tests

F PANELBOARDS

F.1 Fabricate and test panelboards according to IEEE 344 to withstand seismic forces defined in Division 16 Sections 16073 and 16074 "Hangers and Supports for Electrical Systems and Vibration and Seismic controls for Electrical Systems" respectively

F.2 Enclosures. Flush, Surface, Flush- and surface-mounted cabinets.

F.2.1 Rated for environmental conditions at installed location.

i. Indoor Dry and Clean Locations. NEMA 250, Type 1.

ii. Outdoor Locations. NEMA 250, Type 3R

iii. Kitchen and Wash-Down Areas: NEMA 250, Type 4X, stainless steel.

iv. Other Wet or Damp Indoor Locations: NEMA 250, Type 4.

v. Indoor Locations Subject to Dust, Falling Dirt, and Dripping Noncorrosive Liquids: NEMA 250, Type 5 or Type 12

F 2.2 Front: Secured to box with concealed trim clamps. For surface-mounted fronts, match box dimensions; for flush-mounted fronts, overlap box.

F.2.3 Hinged Front Cover Entire front trim hinged to box and with standard door within hinged trim cover

F 2.4 Skirt for Surface-Mounted Panelboards. Same gage and finish as panelboard front with flanges for attachment to panelboard, wall, and ceiling or floor.

F 2.5 Gutter Extension and Barrier. Same gage and finish as panelboard enclosure; integral with enclosure body. Arrange to isolate individual panel sections

F.2.6 Finishes:

i. Panels and Trim: Steel and galvanized steel, factory finished immediately after cleaning and pretreating with manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat

ii. Back Boxes: Galvanized steel Same finish as panels and trim

iii. Fungus Proofing: Permanent fungicidal treatment for overcurrent protective devices and other components

F.2.7 Directory Card: Inside panelboard door, mounted in transparent card holder metal frame with transparent protective cover.

F.3 Incoming Mains Location: Top or Bottom.

F.4 Phase, Neutral, and Ground Buses:

F.4 1 Material: Hard-drawn copper, 98 percent conductivity.

F.4 2 Equipment Ground Bus Adequate for feeder and branch-circuit equipment grounding conductors; bonded to box.

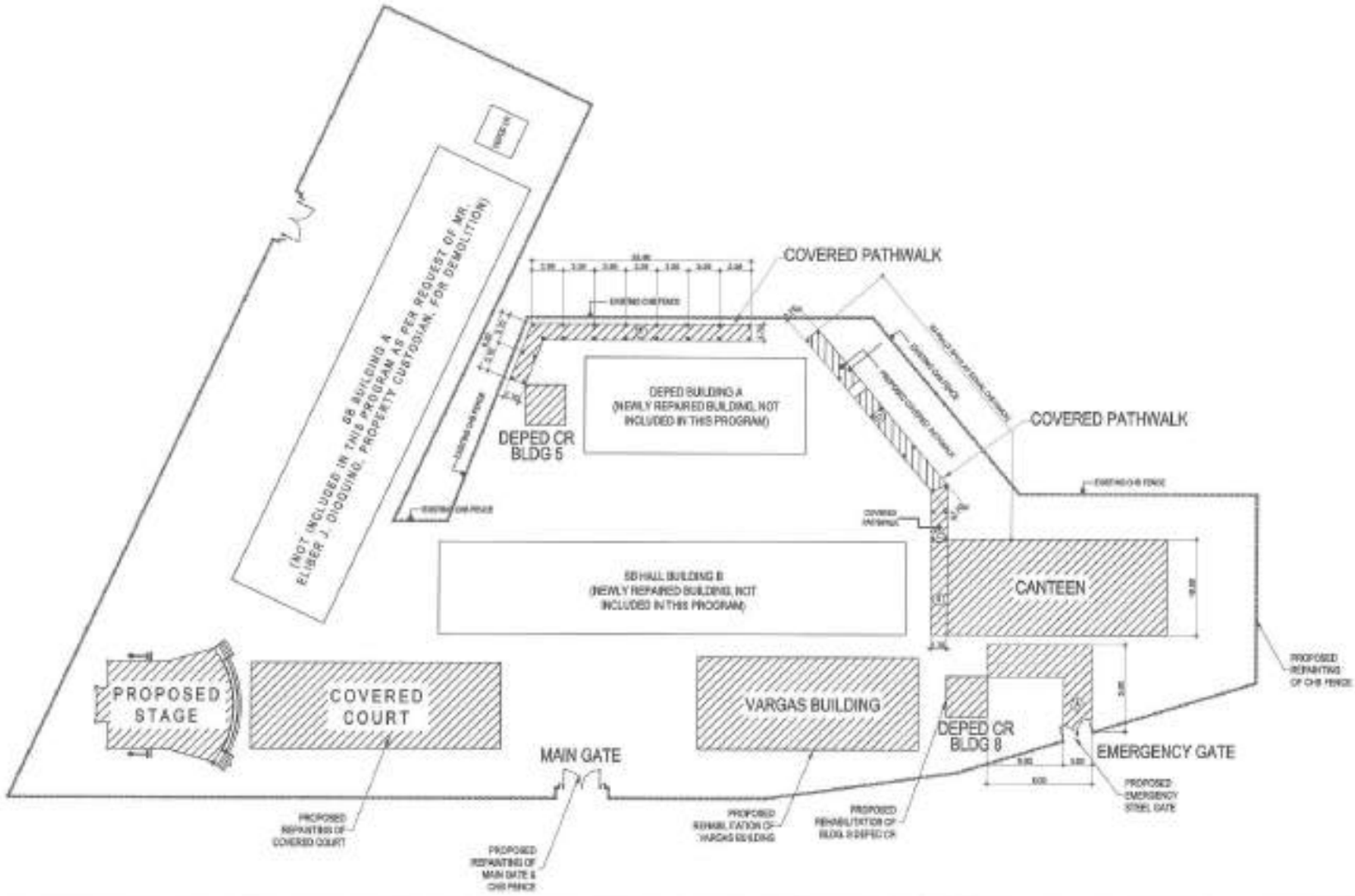
F.4.3 Neutral Bus: 100 percent of phase bus 4. Extra-Capacity Neutral Bus: Neutral bus rated 200 percent of phase bus and UL listed as suitable for nonlinear loads.

MIKKI J. DE GRACIA
Planning and Programming Division

JOCELYN A. UAONG
Planning and Programming Division

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.]



1 SITE DEVELOPMENT PLAN

SCALE: NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. ROXAS/LOYOLA PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY: IAN
DATE:
CHECKED BY:
REVISION NO.

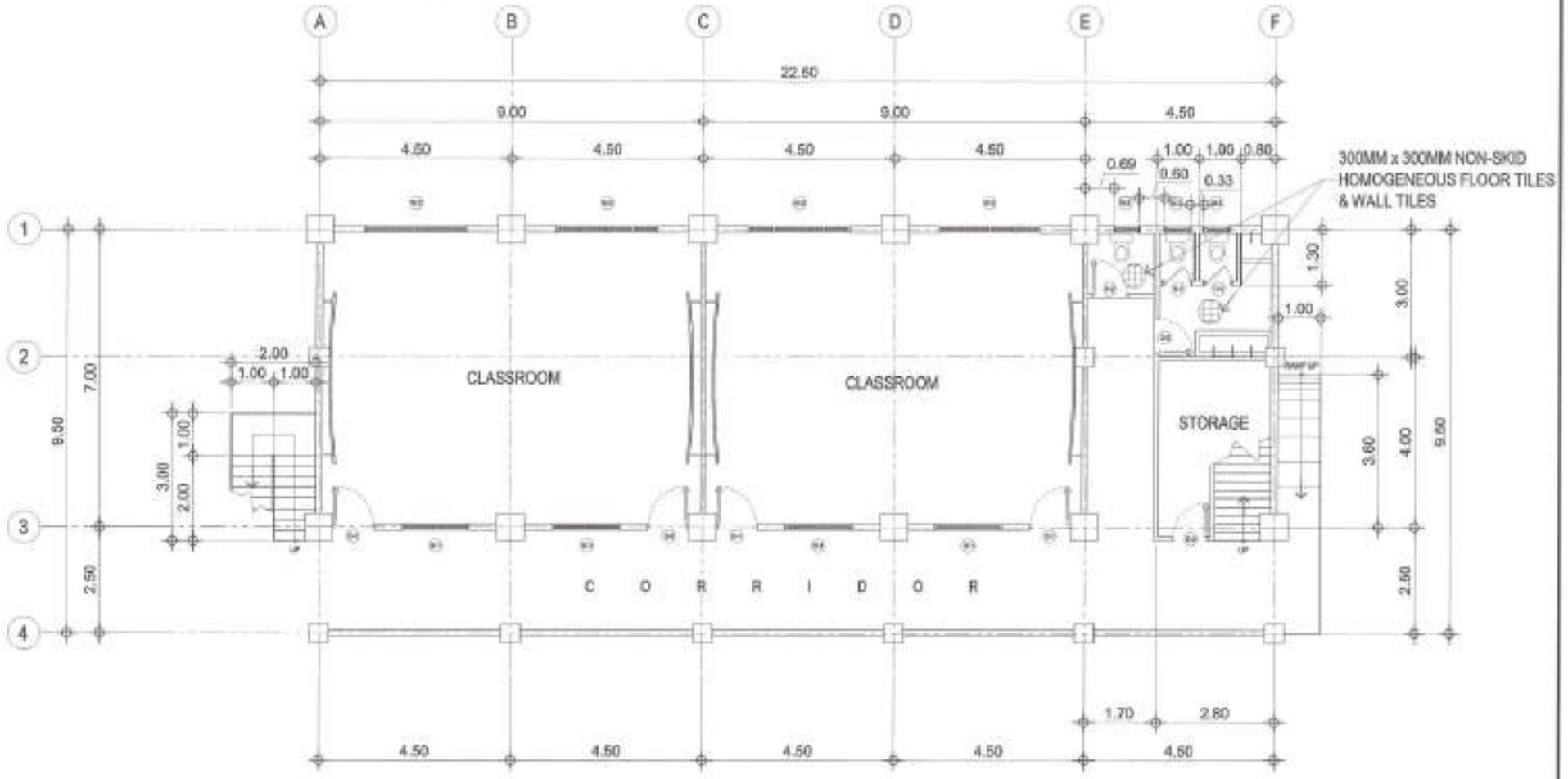
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT: SITE DEVELOPMENT PLAN

SHEET NO.: AR-02
02 65



NOTE:
REPAINTING OF WHOLE BUILDING
DOORS AND WINDOWS TO BE REPLACED
BLACK BOARD TO BE REPLACED
SANITARY FIXTURES TO BE REPLACED
REPAINTING OF STAIR HAND RAILING

1 GROUND FLOOR PLAN (VARGAS BUILDING)

SCALE 1:100m.

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Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY: MMM
DATE:
CHECKED BY: ✓
DIVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
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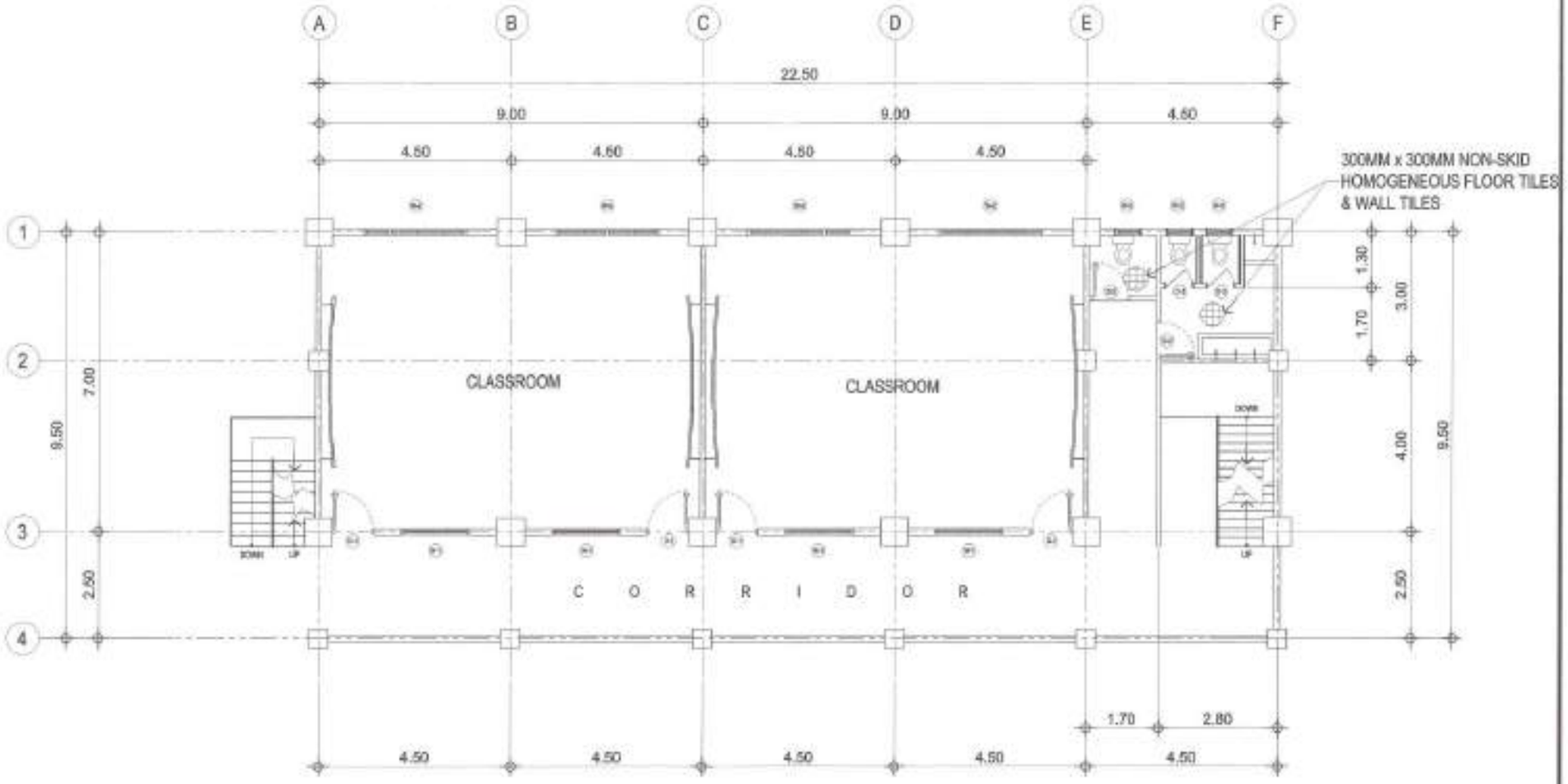
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
GROUND FLOOR
(VARGAS BUILDING)

SHEET NO.
AR-03
03 | 65



NOTE:
REPAINTING OF WHOLE BUILDING
DOORS AND WINDOWS TO BE REPLACED
BLACK BOARD TO BE REPLACED
SANITARY FIXTURES TO BE REPLACED
REPAINTING OF STAIR HAND RAILING

1 SECOND FLOOR PLAN (VARGAS BUILDING)

SCALE1:100m

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.

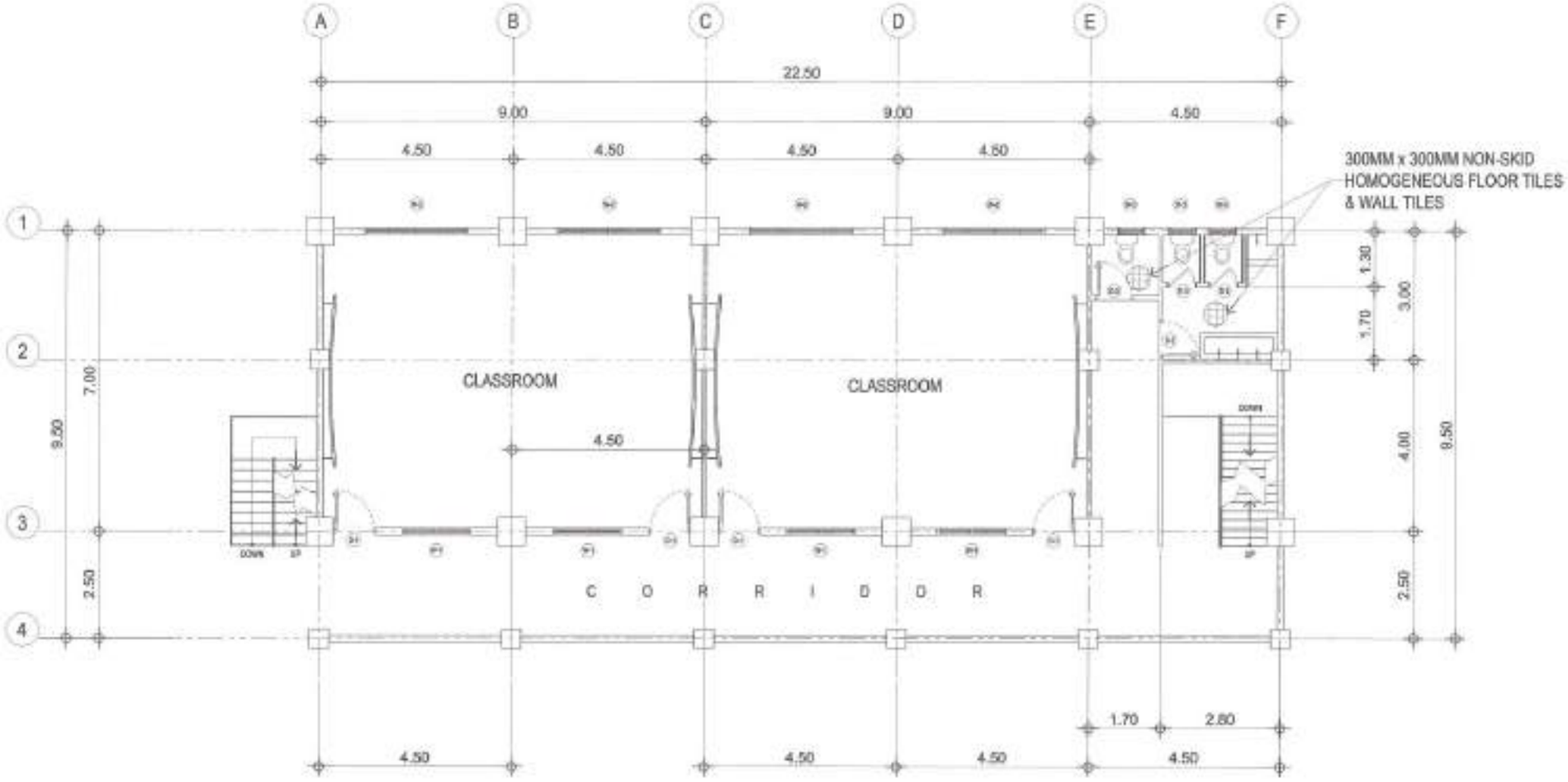
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
SECOND FLOOR (VARGAS BUILDING)

SHEET NO.
AR-04
04 65



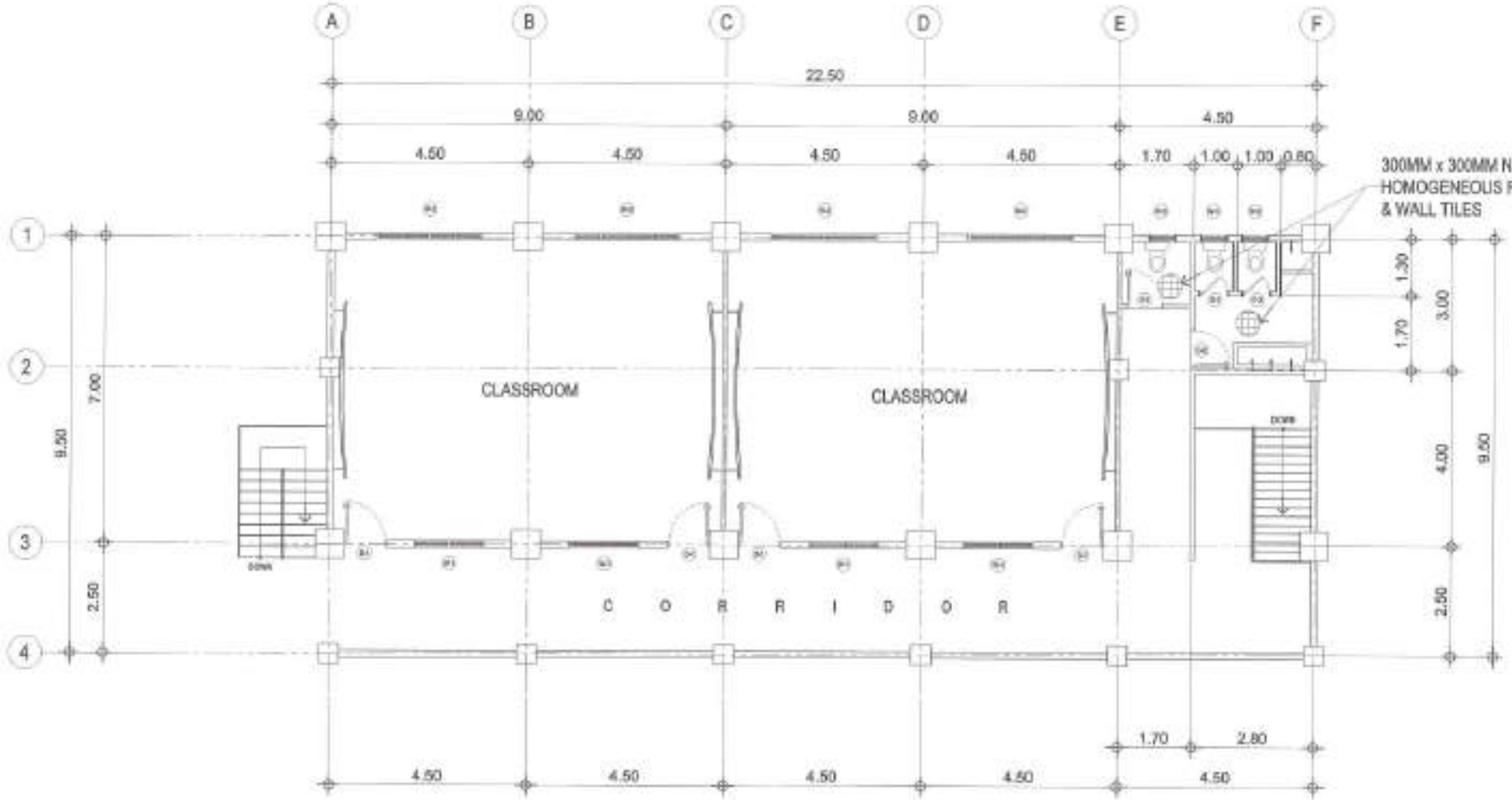
NOTE:
REPAINTING OF WHOLE BUILDING
DOORS AND WINDOWS TO BE REPLACED
BLACK BOARD TO BE REPLACED
SANITARY FIXTURES TO BE REPLACED
REPAINTING OF STAIR HAND RAILING

1 THIRD FLOOR PLAN (VARGAS BUILDING)

SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE: **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL**	DRAWN BY:	SUBMITTED BY: **ENGR. LEO S. DEL ROSARIO**	RECOMMENDING APPROVAL: **ENGR. ISAGANI R. VERZOSA, JR.**	APPROVED BY: **HON. MA. JOSEFINA G. BELMONTE**	SHEET CONTENT: THIRD FLOOR (VARGAS BUILDING)	SHEET NO.: AR-05
	DATE:					05 65
LOCATION: BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY	CHECKED BY: ✓					
	REVISION NO.					



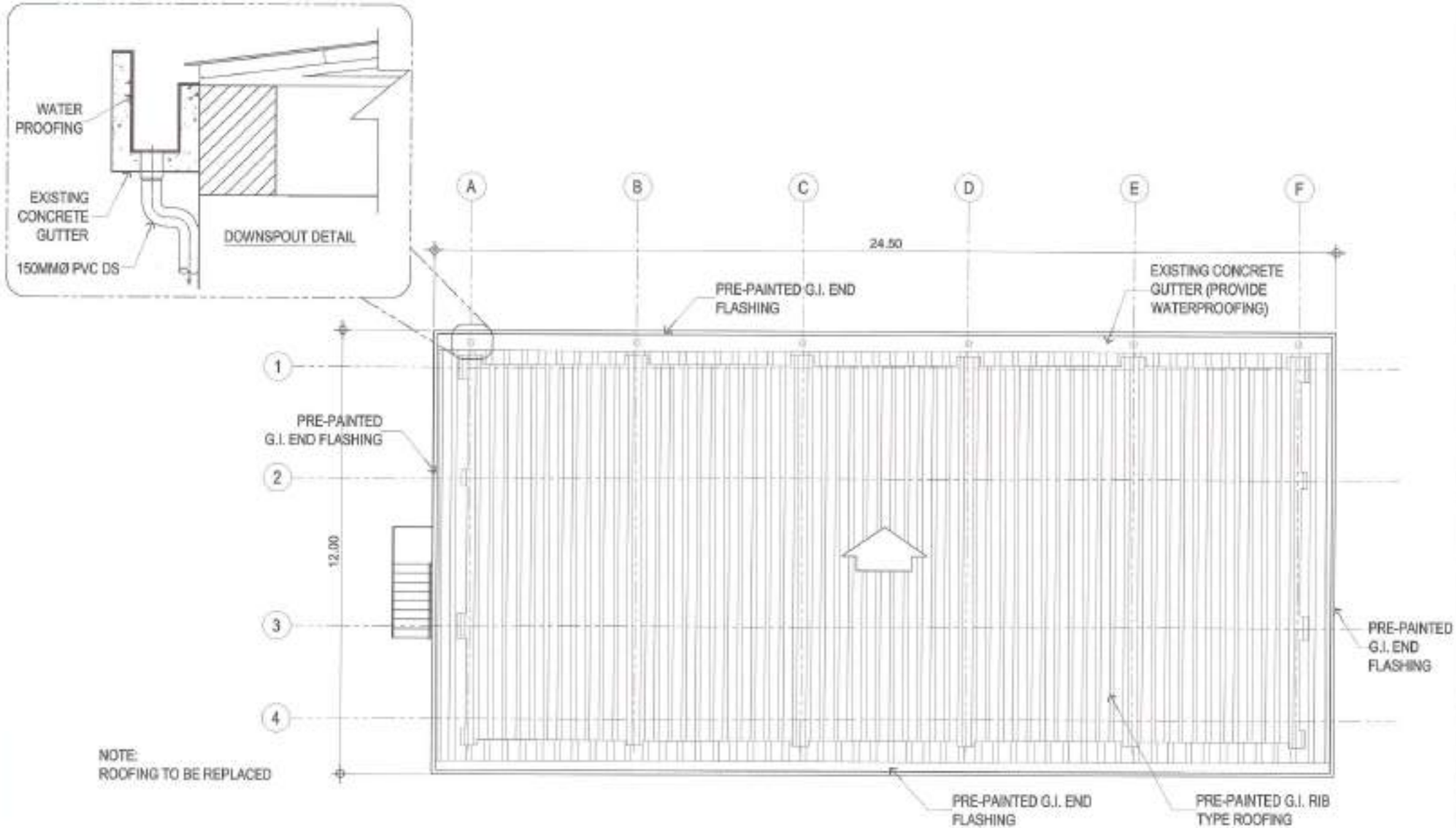
NOTE:
REPAINTING OF WHOLE BUILDING
DOORS AND WINDOWS TO BE REPLACED
BLACK BOARD TO BE REPLACED
SANITARY FIXTURES TO BE REPLACED
REPAINTING OF STAIR HAND RAILING

1 FOURTH FLOOR PLAN (VARGAS BUILDING)

SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE: PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL / LOCATION: BRGY. ROXAS/CRES PROPER, DISTRICT 5, QUEZON CITY	DRAWN BY: VMM / DATE: / CHECKED BY: ✓ / REVISION NO.:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA, JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT: FOURTH FLOOR (VARGAS BUILDING)	SHEET NO.: AR-06 / 06 / 65



1 ROOF PLAN (VARGAS BUILDING)

SCALE 1:100m.

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Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.

SUBMITTED BY:
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OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
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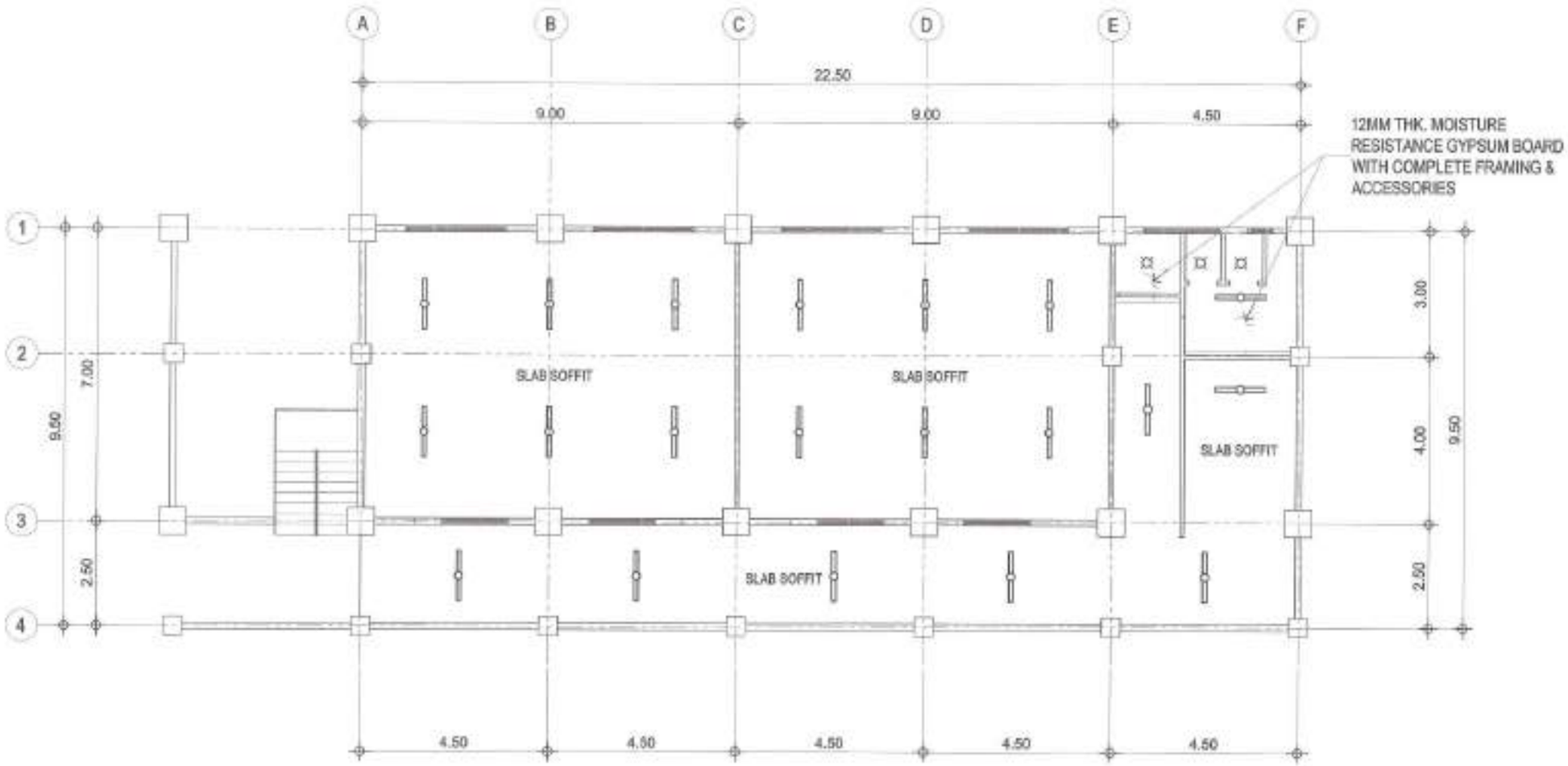
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
ROOF PLAN (VARGAS BUILDING)

SHEET NO.
AR-07
07 65



1 GROUND FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:

DATE:
DECEMBER 2021

REVISION NO.

SUBMITTED BY:
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HEAD, PLANNING SYSTEMS MANAGEMENT DIVISION

RECOMMENDING APPROVAL:
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OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
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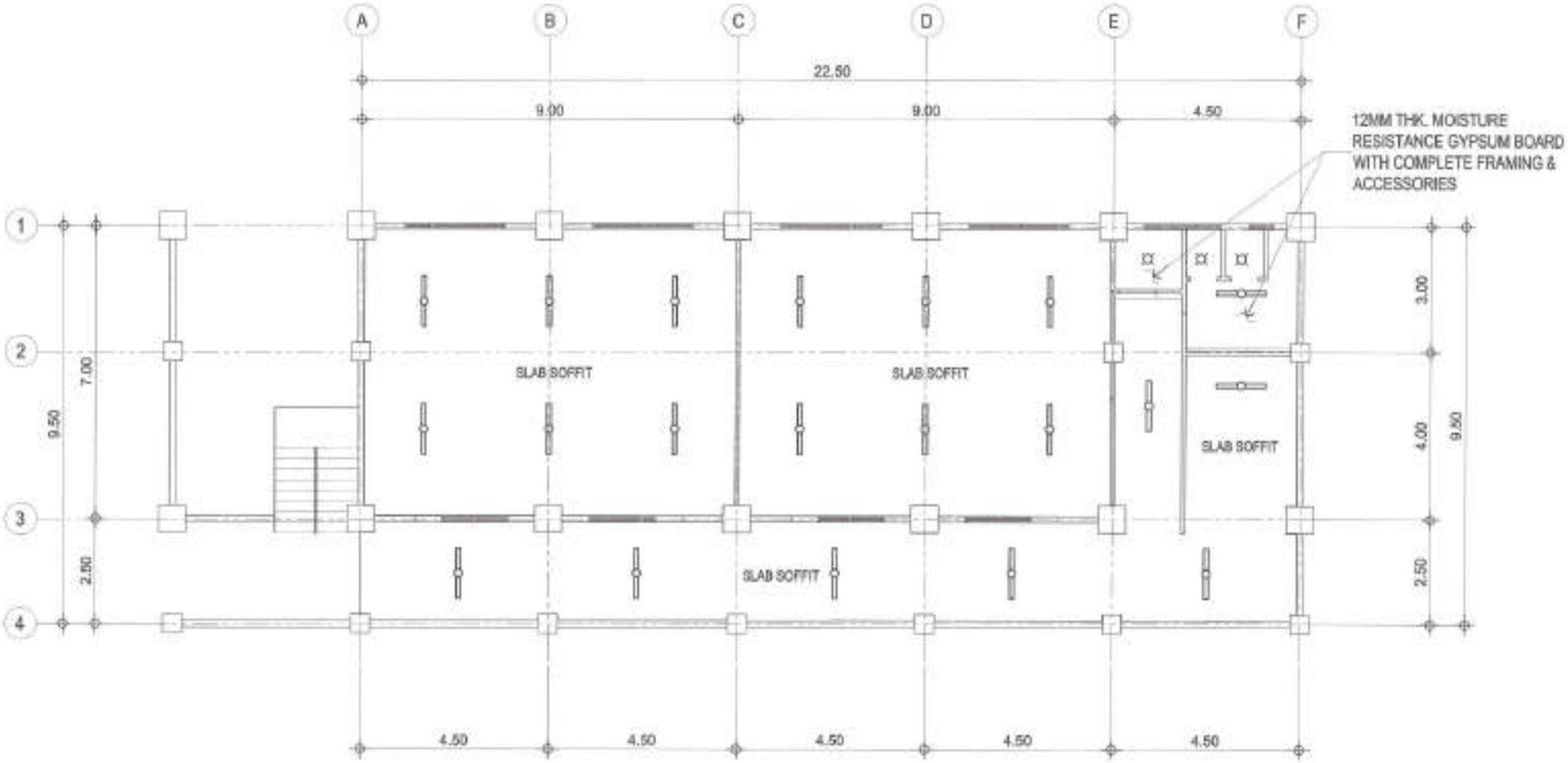
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
GROUND FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SHEET NO.
AR-08
08 65



1 SECOND FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. MDUALIOHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
BRGY. PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
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DC CITY ENGINEERING DEPARTMENT

APPROVED BY:
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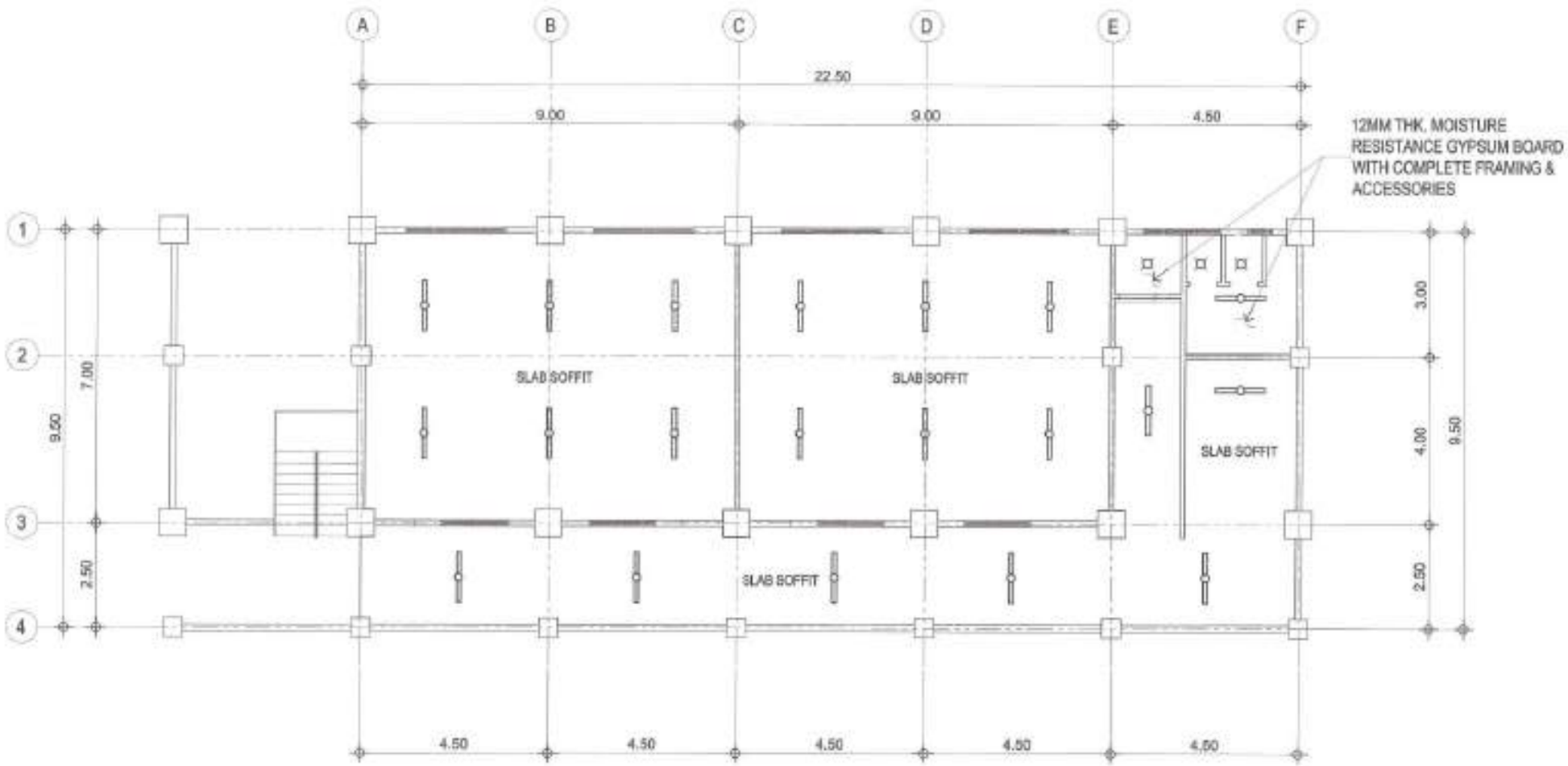
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
SECOND FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SHEET NO.
AR-09
09 65



1 THIRD FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SCALE 1:100m.

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Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION: BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING CONSULTANT

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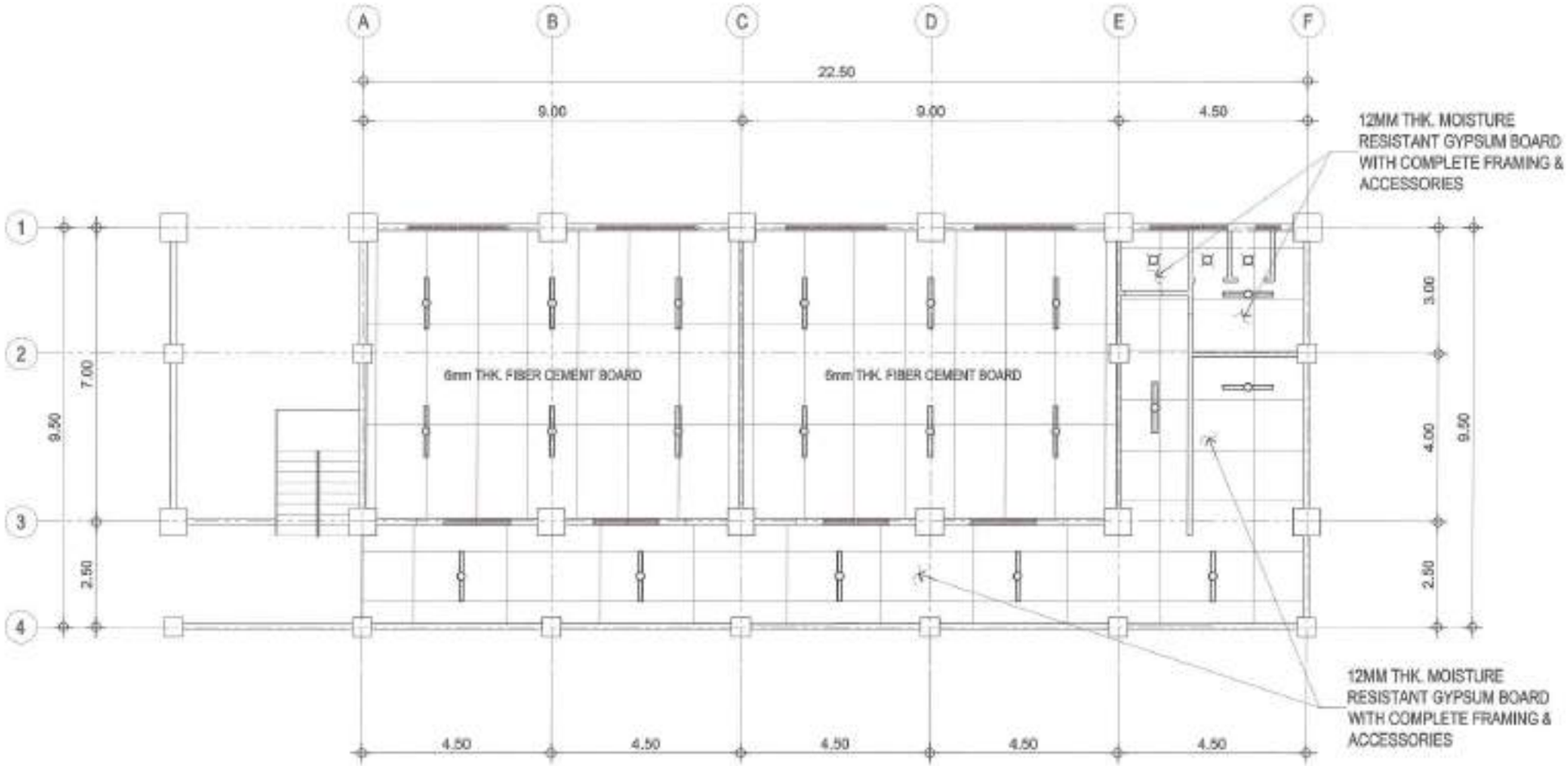
SHEET CONTENT:
THIRD FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SHEET NO.
AR-10
10 | 65



1 FOURTH FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. BONA LICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY: ####
DATE:
CHECKED BY:
REVISIONS:

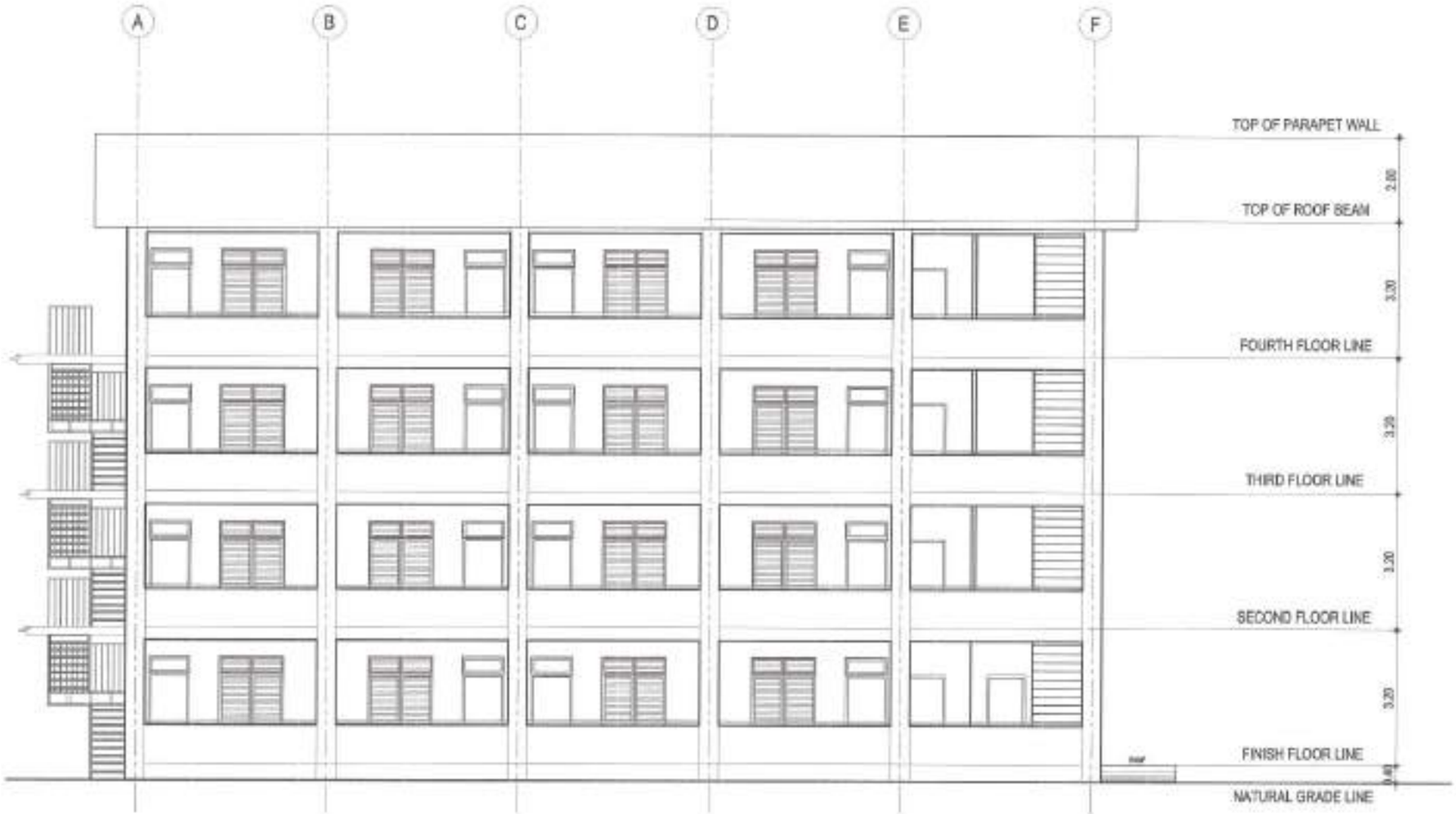
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. IBAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
FOURTH FLOOR REFLECTED CEILING PLAN (VARGAS BUILDING)

SHEET NO.
AR-11
11 | 65



NOTE:
REPAINTING OF THE WHOLE STRUCTURE

1 FRONT ELEVATION (VARGAS BUILDING)

SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. BOVALONOS PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
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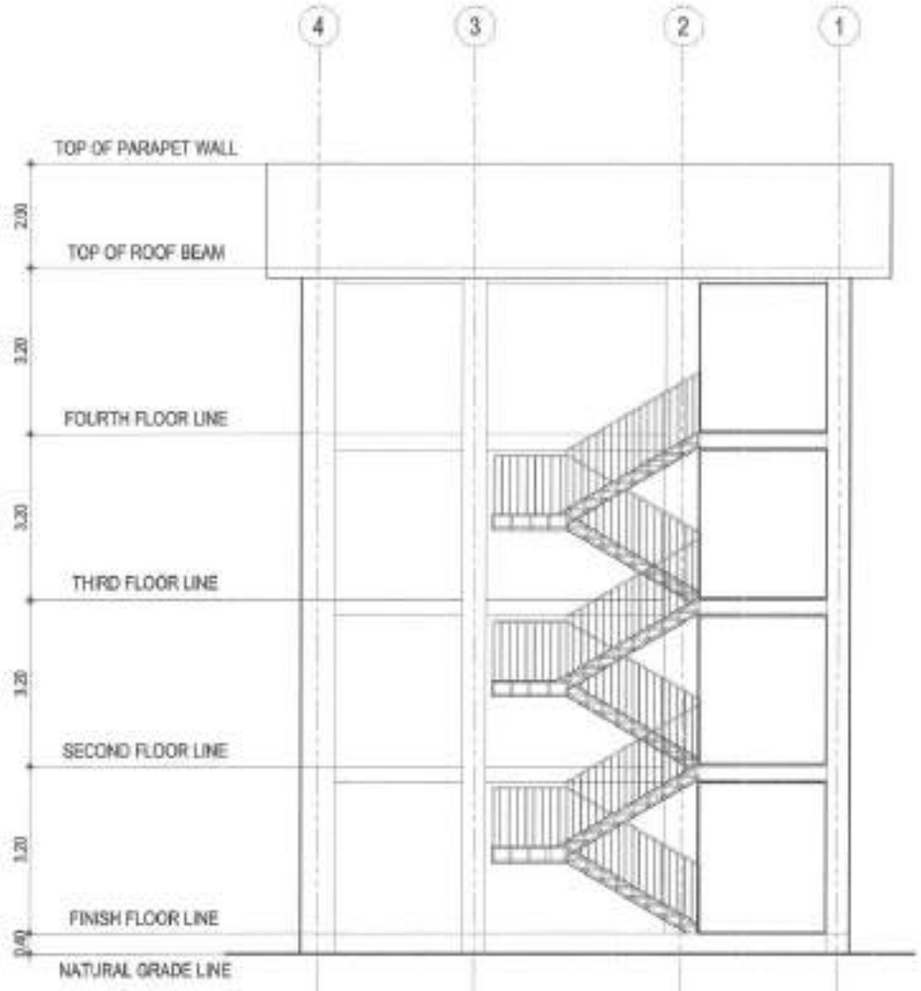
ENGR. ISAGANI R. VERZOSA, JR.
SECURITY OVERSEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

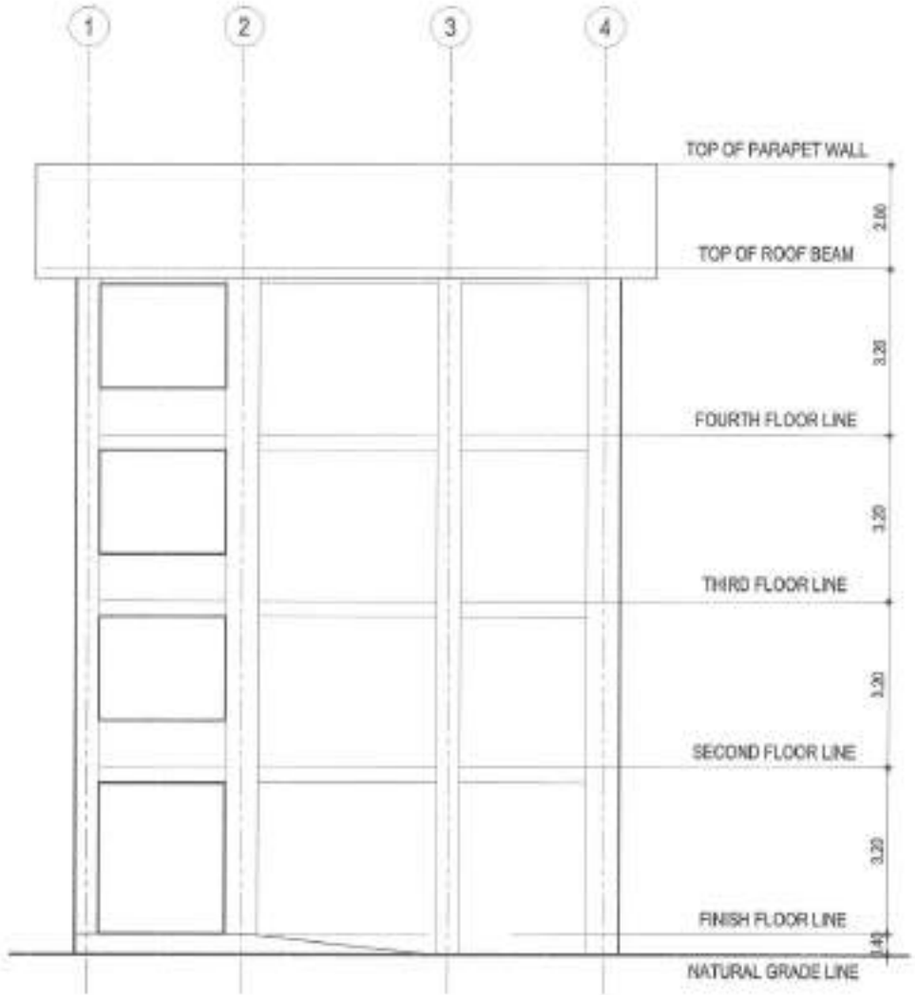
SHEET CONTENT:
FRONT ELEVATION (VARGAS BUILDING)

SHEET NO.:
AR-12
12 65



NOTE:
REPAINTING OF THE WHOLE STRUCTURE

1 RIGHT SIDE ELEVATION (VARGAS BUILDING) SCALE 1:100m.



NOTE:
REPAINTING OF THE WHOLE STRUCTURE

2 LEFT SIDE ELEVATION (VARGAS BUILDING) SCALE 1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY: ✓
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

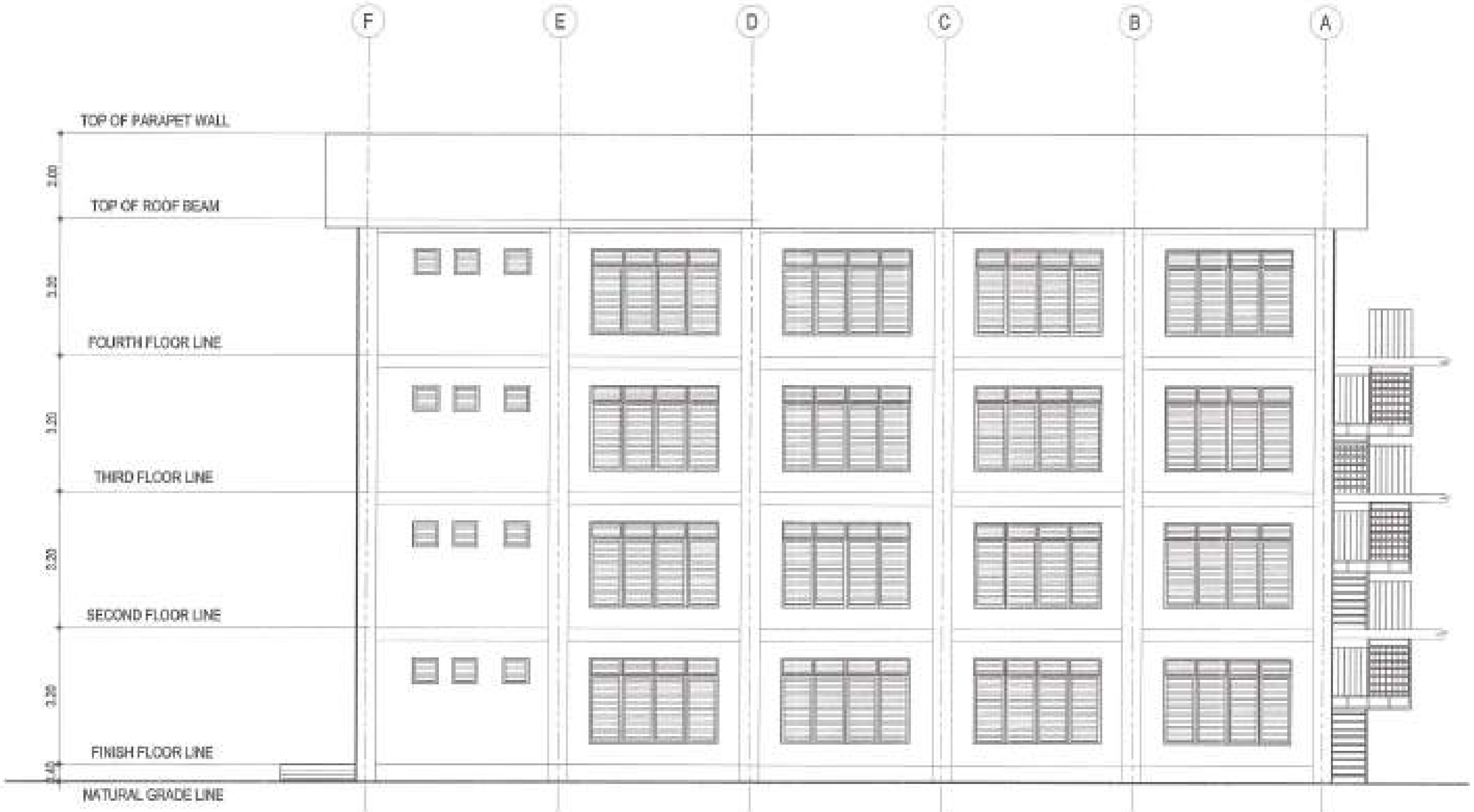
RECOMMENDING APPROVAL:
ENGR. BAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
RIGHT SIDE ELEVATION
LEFT SIDE ELEVATION
(VARGAS BUILDING)

SHEET NO.
AR-14
14 65

DED2021 _ 0298

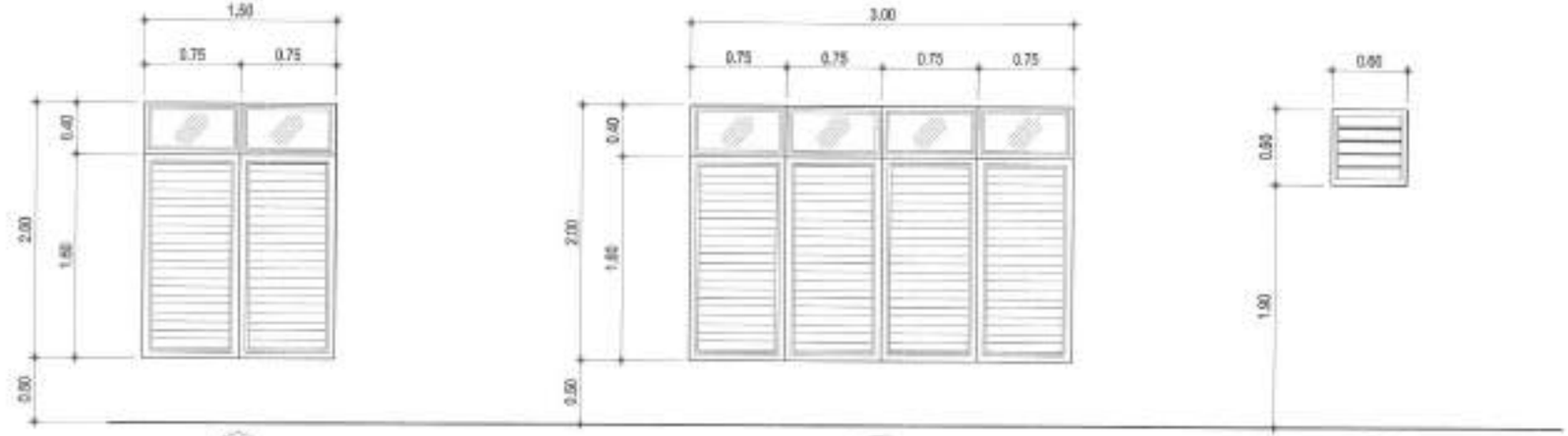


NOTE:
REPAINTING OF THE WHOLE STRUCTURE

1 REAR ELEVATION (VARGAS BUILDING)

SCALE 1:100m.

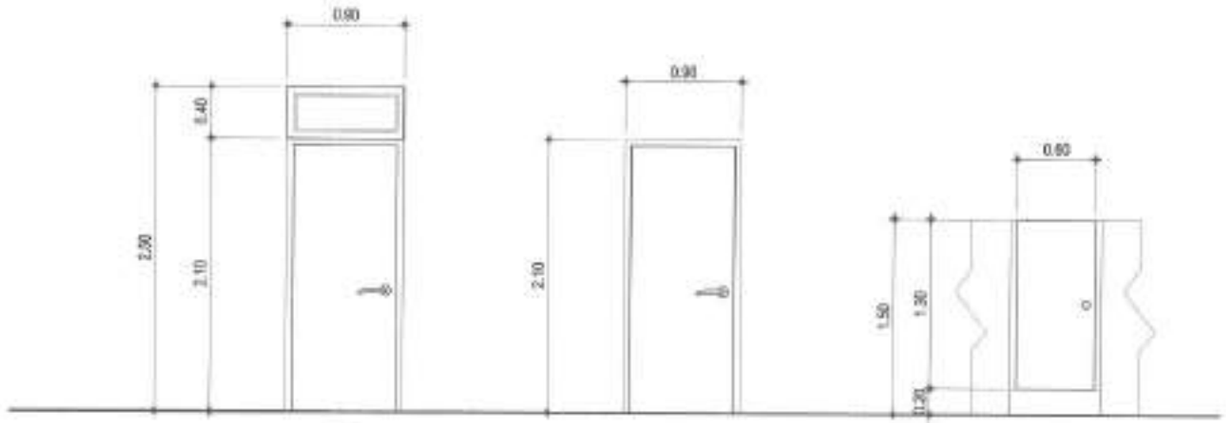
Republika ng Pilipinas Lungsod ng Quezon **CITY ENGINEERING DEPARTMENT**	PROJECT TITLE: **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL** LOCATION: BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY	DRAWN BY: DATE: CHECKED BY: REVISIONS:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	SHEET CONTENT REAR ELEVATION (VARGAS BUILDING)	SHEET NO. AR-13 13 65



W-1
JALOUSIE WINDOW W/ FIXED GLASS & STEEL CASEMENT - 16 SETS

W-2
JALOUSIE WINDOW W/ FIXED GLASS & STEEL CASEMENT - 16 SETS

W-3
JALOUSIE WINDOW W/ FIXED GLASS & STEEL CASEMENT - 12 SETS



D-1
0.9M x 2.5M PANEL DOOR W/ FIXED GLASS - 16 SETS

D-2
0.9M x 2.10M FLUSH DOOR - 9 SETS

D-3
0.6M x 1.30M FLUSH DOOR - 6 SETS

1 SCHEDULE OF DOORS AND WINDOWS (VARGAS BUILDING)

SCALE 1:50m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. ROXAS(DES PRORES, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
SCHEDULE OF DOORS & WINDOWS

SHEET NO.
AR-15
15 | 65

1 GENERAL NOTES

1. ALL THE PLUMBING/SANITARY WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISION OF THE PHILIPPINE PLUMBING CODE , THE NATIONAL BUILDING CODE, RULES AND REGULATION OF QUEZON CITY.
2. COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATION REQUIRED THE ENG'R./ ARCH. SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER OR ARCHITECT.
4. PROPOSED SANITARY UTILITIES SHALL BE CONFORM TO THE ACTUAL LOCATION, DEPTH, AND INVERT ELEVATION OF ALL EXISTING STRUCTURES AND PIPES AS VERIFIED BY THE CONTRACTOR.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% MIN. UNLESS OTHERWISE SPECIFIED.
6. SIZES OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE AND COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT.
8. ALL WATER PIPE AND WATER TANKS SHALL BE THOROUGHLY FLUSHED AND DISINFECTED WITH LIQUID CHOLORINE OR HYDROCHLORIDE SOLUTION.
9. ALL WATER PIPES SHALL BE HYDROSTATICALLY TESTED TO A PRESSURE 1-1/2 THE DESIGNED WORKING PRESSURE OF THE SYSTEM.
10. ALL SANITARY AND STORM DRAINAGE PIPES SHALL BE HYDROSTATICALLY TESTED AT LEAST 3.0 MTS. HEAD TO ENSURE THAT THE SYSTEM ARE WATER TIGHT.
11. ALL DIMENSIONS ARE IN METERS AND ALL PIPES SIZES ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
12. ALL PIPES INDICATED ON PLANS REFER TO PIPES INSIDE DIAMETER.

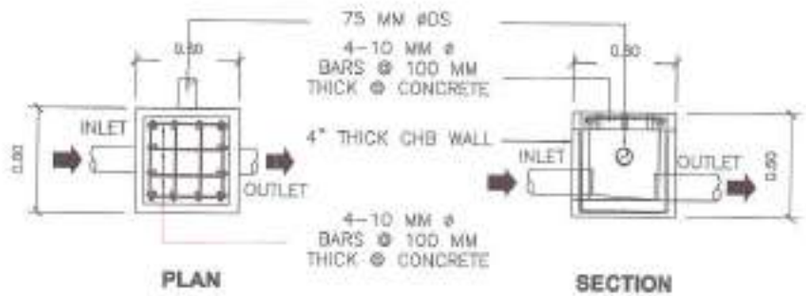
II. SEWER/WASTE AND VENT SYSTEM :

SP / WP	SOIL PIPE / WASTE PIPE
VP / VAC	VENT PIPE / VENT AT CEILING
SP	STORM DRAIN PIPE
FCO/ GCO	FLOOR CLEANOUT / GROUND FLOOR CLEANOUT
CCO	CEILING CLEAN-OUT
DS	DOWNSPOUT
VSTR	VENT STACK THROUGH ROOF
SS	SOIL STACK
FD	FLOOR DRAIN
CB	CATCH BASIN
WC	WATER CLOSET

I. WATER DISTRIBUTION SYSTEM :

CWL	COLD WATER LINE
CWR	COLD WATER RISER
GV	GATE VALVE
CV	CHECK VALVE
WM	WATER METER

2 LEGEND AND SYMBOLS



3 CATCH BASIN DETAILS

SCALE: 1:30 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY: DMM
DATE:
CHECKED BY: JT
REVISION NO.:

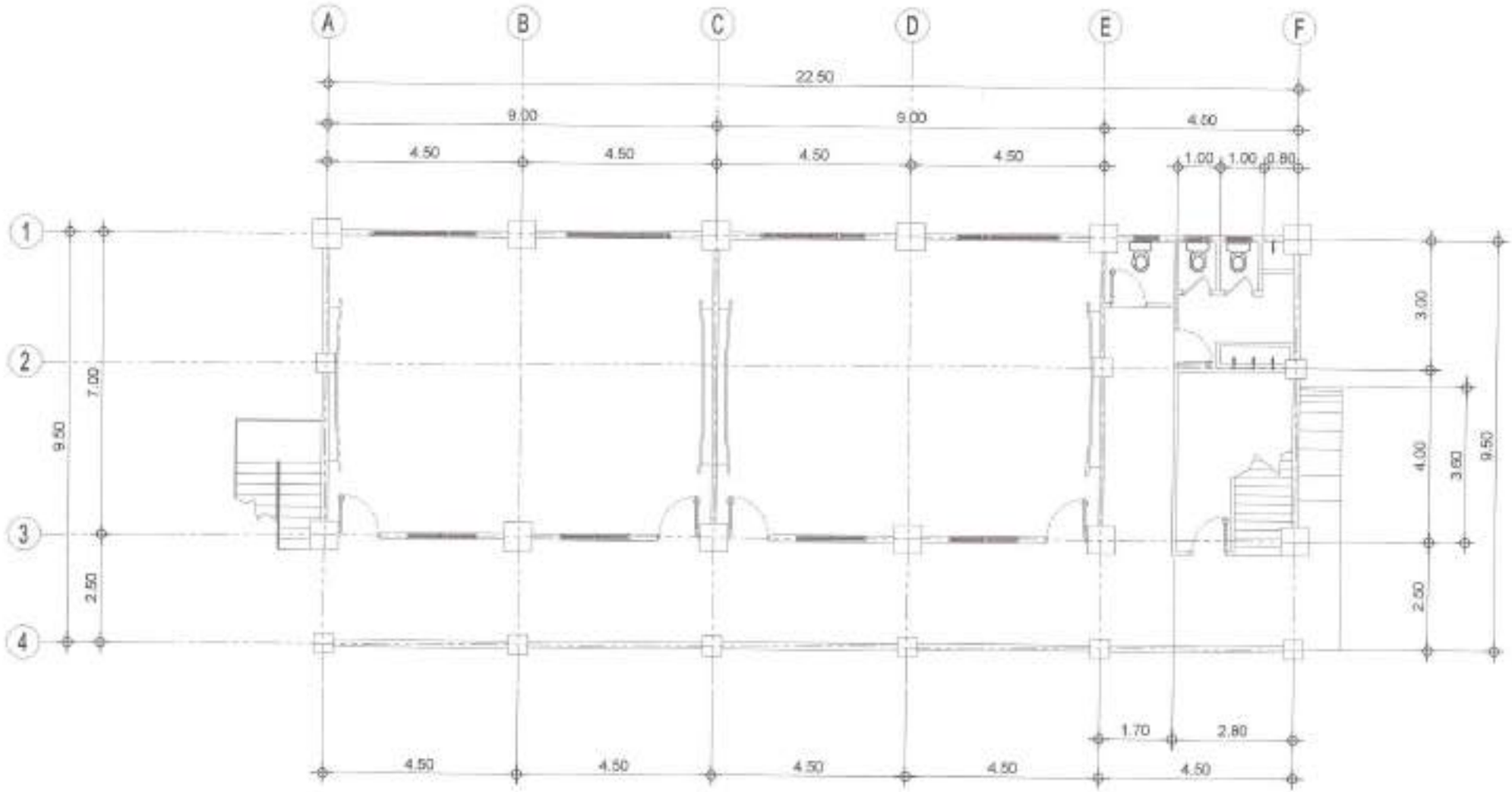
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
NCR, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISIDRO R. VERZOSA, JR.
OIC-CITY ENGINEERING SERVICES

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
GENERAL NOTES
LEGEND & SYMBOLS
CATCH BASIN DETAILS

SHEET NO.
PL-01
16 | 65



1 GROUND FLOOR PLUMBING LAYOUT PLAN (VARGAS BUILDING)

SCALE1:100m

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
VERSION NO.:

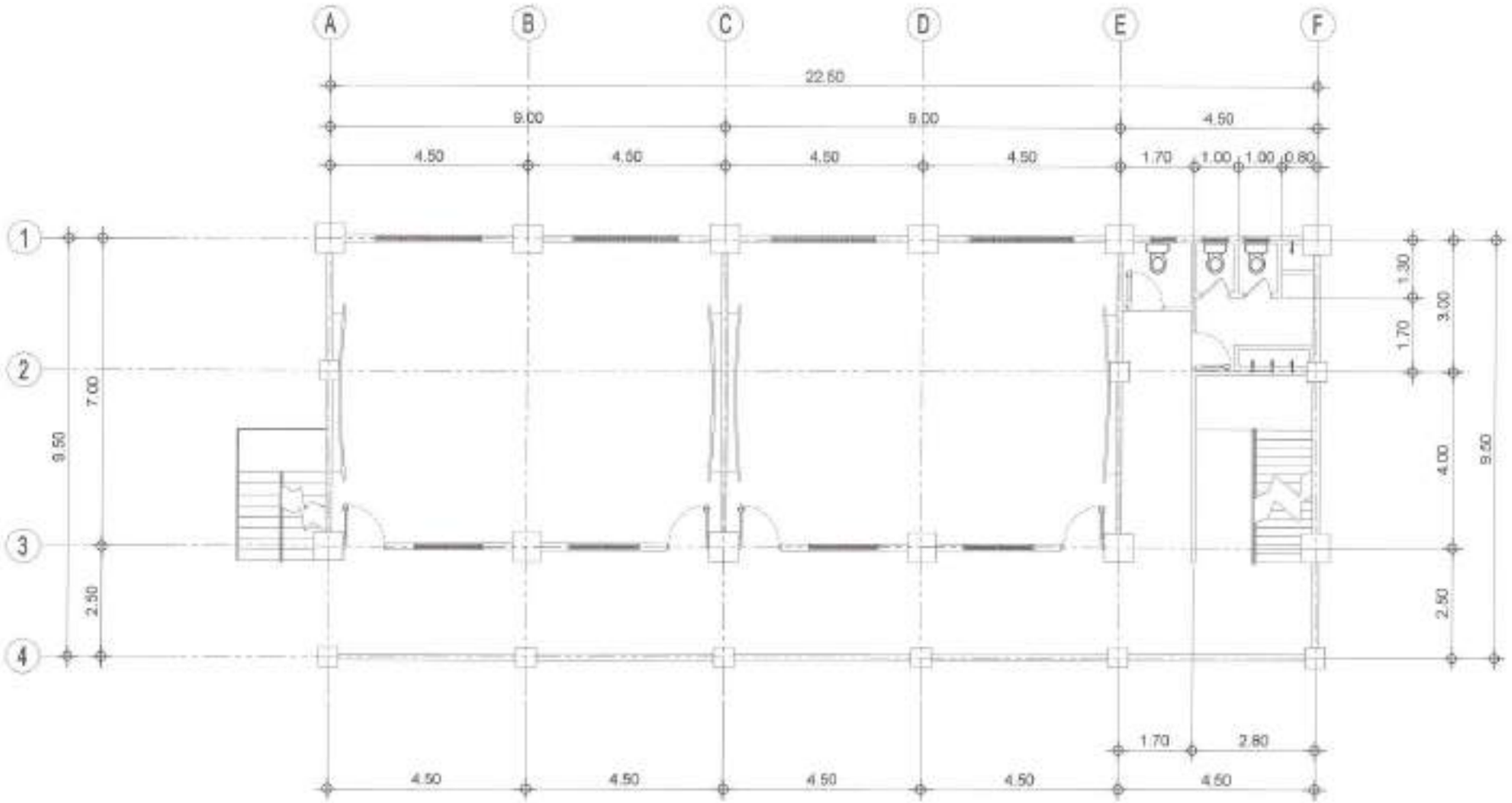
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
GROUND FLOOR PLUMBING LAYOUT PLAN

SHEET NO.
PL-02
17 | 68

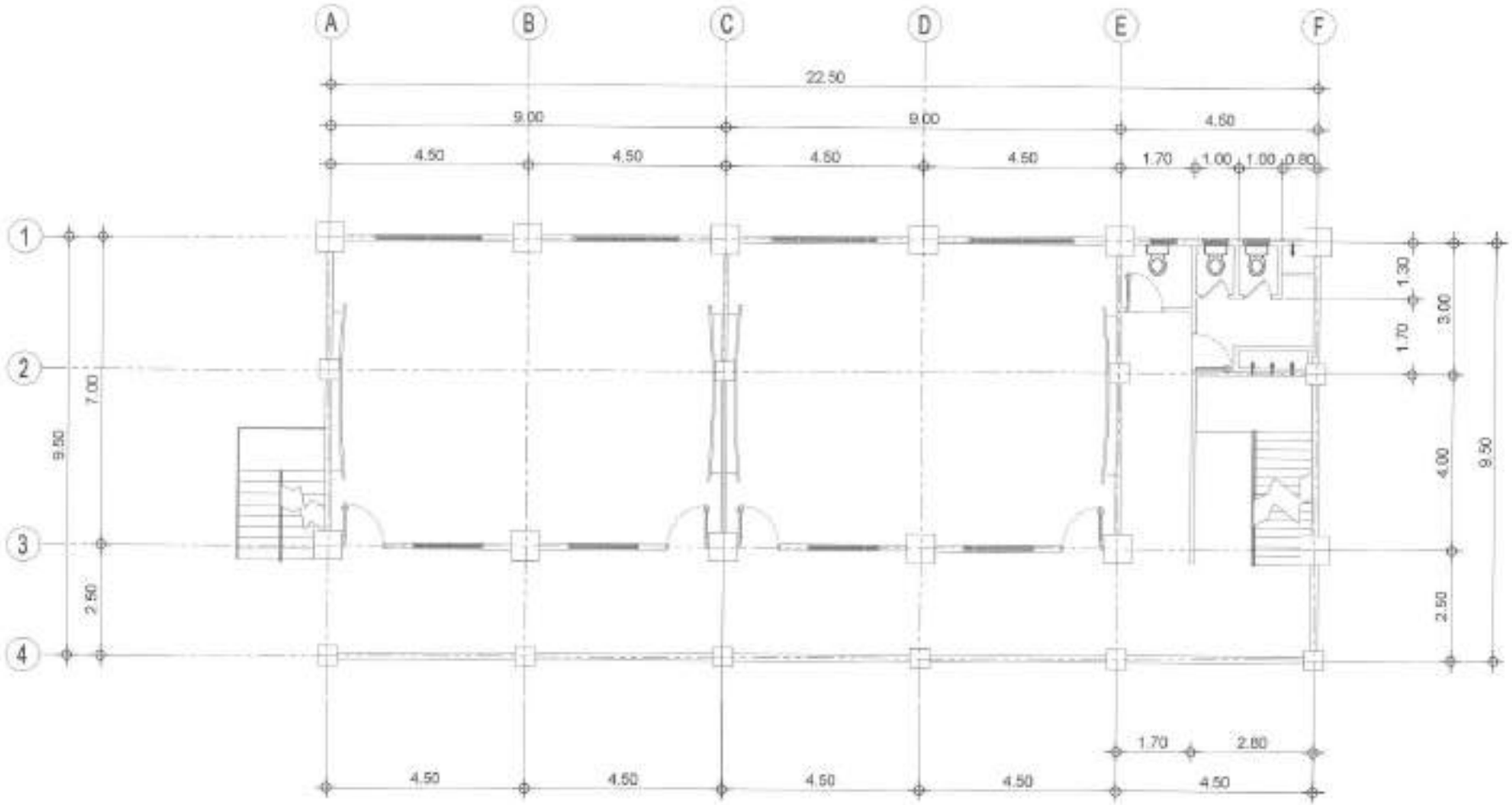


1 SECOND FLOOR PLUMBING LAYOUT PLAN (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE: PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL LOCATION: BRGY. ROXAS/CHES PROPER, DISTRICT 3, QUEZON CITY	OWNER BY: DATE: CHECKED BY: REVISION NO:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. SAGANI R. VERZOSA, JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT: SECOND FLOOR PLUMBING LAYOUT PLAN	SHEET NO. PL-03 18 68



1 THIRD FLOOR PLUMBING LAYOUT PLAN (VARGAS BUILDING)

SCALE1:100m

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY:

DATE:

CHECKED BY:

REVISION NO.:

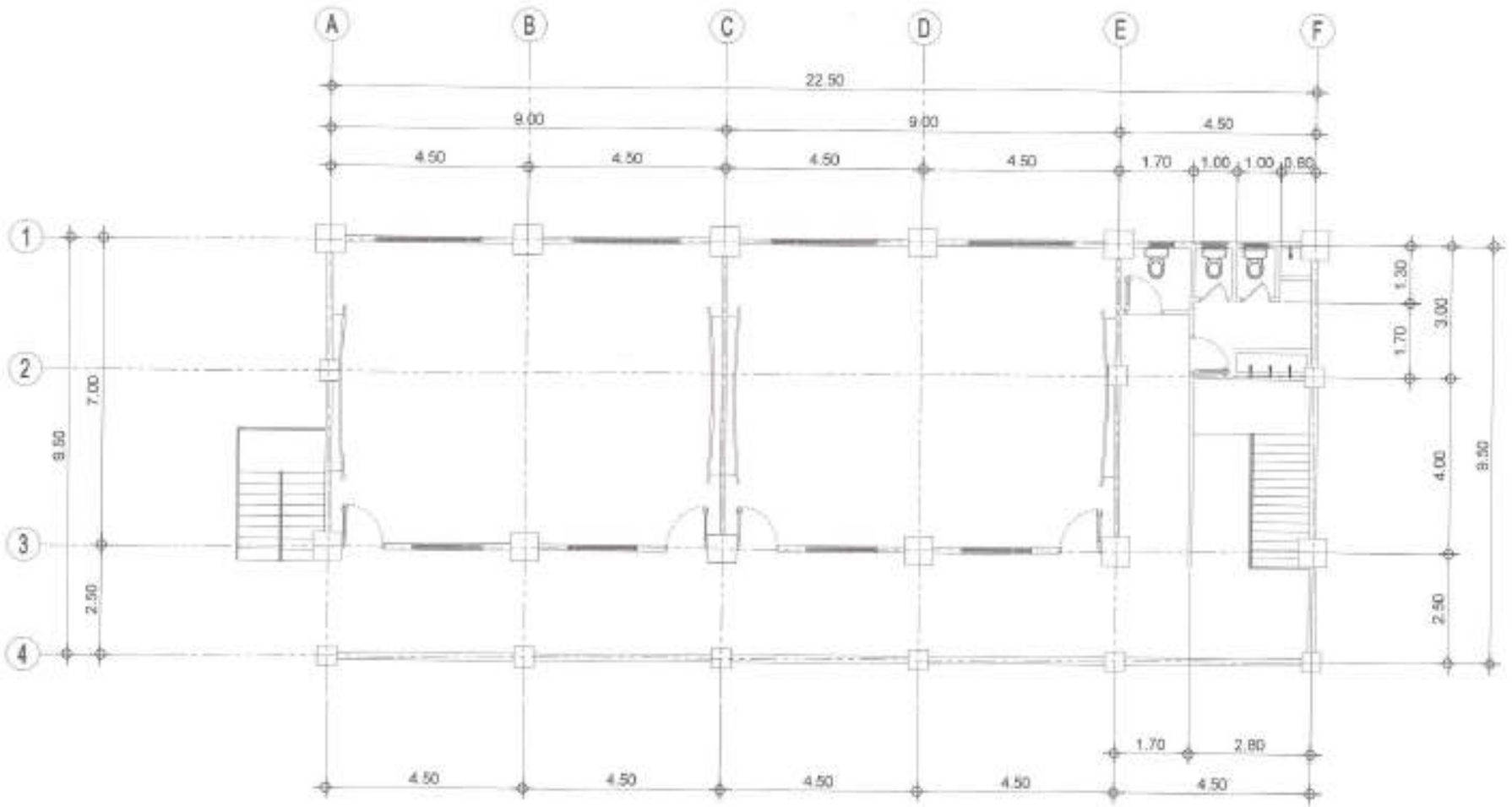
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
REC. PLANNER UNDERSECRETARY

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
THIRD FLOOR PLUMBING LAYOUT PLAN

SHEET NO.
PL-04
19 68



1 FOURTH FLOOR PLUMBING LAYOUT PLAN (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. ROXAS/CRES. PROPER, DISTRICT 6 , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
FOURTH FLOOR PLUMBING LAYOUT PLAN

SHEET NO.:
PL-05
20 | 68

1 GENERAL NOTES

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE LOCAL POWER AND TELEPHONE UTILITY COMPANY.
2. THE CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE WORK AND SHALL FURNISH THE OWNER THROUGH THE ENGINEER, FINAL CERTIFICATES OF ELECTRICAL INSPECTION AND APPROVAL FROM PROPER GOVERNMENT AUTHORITIES FOR COMPLETION OF WORK.
3. ALL EMBEDDED BRANCH CIRCUITS SHALL BE PVC CONDUITS AND FOR EXPOSED INSTALLATION SHALL BE RIGID SUPPORTED BY CONDUIT CLAMPS EVERY 1500 MILIMETERS.
4. PULL BOXES SHALL BE PROVIDED BY THE CONTRACTOR WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON THE PLANS. SIZING OF ALL PULLBOXES SHALL BE COMPUTED BASED ON THE CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. LOCATION OF PULLBOXES SHALL BE APPROVED BY THE ARCHITECT/ENGINEER AND MUST BE REFLECTED ON THE "AS-BUILT" PLAN.
5. ALL POWER OUTLETS AND SWITCHES SHALL BE GROUNDING TYPE WITH PARALLEL SLOTS FOR 220 V.
6. PROVIDE GROUND FAULT CURRENT INTERRUPTER CIRCUIT BREAKER FOR LOADS MARKED "GFCI" ON THE PLAN.
7. ALL METALLIC CONDUITS, CABINETS AND EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED.
8. UNLESS OTHERWISE NOTED, MOUNTING HEIGHT FOR WALL MOUNTED DEVICES SHALL BE AS FOLLOWS:

   RECEPTACLE OUTLET - 300 MM AFF., 150MM ABOVE WORKING COUNTER.
   TELEPHONE OUTLET - 300 MM AFF
   CATV OUTLET - 300 MM AFF
   LIGHTING SWITCH - 1200 MM AFF
   PANELBOARD - 1800 MM AFF

9. REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR RATINGS AND LOCATIONS OF EQUIPMENT AS WELL AS THEIR CONTROL SEQUENCES AS SPECIFIED AND OR SHOWN UNDER THEIR RESPECTIVE SECTIONS.
10. ALL MATERIALS TO BE USED SHALL BE OF THE BEST QUALITY, BRAND NEW AS SPECIFIED.
11. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PRESENT GENERAL LAYOUT AND ROUGH OUTLINE/DESCRIPTION OF THE PROJECT BUT DO NOT NECESSARILY INDICATE/DESCRIBED ACTUAL LOCATIONS, LEVEL AND DISTANCES OF THE EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE SUCH ADJUSTMENT AT THE JOBSITE AS LOCATION, DISTANCES AND LEVELS ARE GOVERNED BY ACTUAL FIELD CONDITIONS.
12. ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION DESIRED.
13. ALL LIGHTING AND CONVENIENCE OUTLET CIRCUITS SHALL BE 5.5 SQ. MM. THWN-2 COPPER WIRE UNLESS OTHERWISE NOTED, MINIMUM SIZE OF WIRE SHALL BE 3.5 SQ. MM. COPPER WIRE. ALL WIRES AND CABLES SHALL BE COLOR CODED AS FOLLOWS:

    LINE 1 - RED
    LINE 2 - YELLOW
    NEUTRAL - WHITE
    GROUND - GREEN

14. BOXES, WIRE, GUTTERS, ENCLOSURE SHALL BE FABRICATED FROM STEEL WITH THICKNESS AS FOLLOWS:

MAXIMUM WIDTH OF THE WIDEST SURFACE (MM)	
UP TO INCLUDING 150 MM	GA 16 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
OVER 152.40 MM BUT NOT OVER 457.20	GA 14 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
OVER 457.20 MM BUT NOT OVER 762 MM	GA 12 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT
OVER 762 MM	GA 10 PAINTED WITH METAL PRIMER EPOXY AND TOPCOAT

15. ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTED BY EXPERIENCED MEN UNDER THE DIRECT SUPERVISION OF A FULL TIME LICENSED ELECTRICAL ENGINEER AND A DULY ACCREDITED ELECTRICAL CONTRACTOR BY PCAB. WORKS SHALL BE NEATLY PLACED, SECURELY FASTENED AND PROPERLY FINISHED.
16. TYPE OF SERVICE ENTRANCE SHALL BE SINGLE PHASE, TWO-WIRE PLUS GROUND, 60 HERTZ, 230V AC NOMINAL.
17. CONDUITS IN NO CASE SHALL THERE BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS IN ANY ONE RUN. ALL CONDUIT BENDS SHALL BE FIELD MADE BY USING HYDRAULIC BENDERS. MINIMUM BENDING RADIUS MUST BE IN ACCORDANCE TO THE CODE REQUIREMENTS.
18. UPON COMPLETION OF ELECTRICAL CONSTRUCTION WORK, INSULATION RESISTANCE TEST AND FUNCTIONALITY TEST SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS ON FORMS APPROVED BY THE QUEZON CITY ENGINEERING DEPARTMENT REPRESENTATIVE. THE GROUND RESISTANCE FOR ELECTRICAL SYSTEMS SHALL NOT BE MORE THAN 5 OHMS. COMMUNICATION GROUNDING RESISTANCE SHALL NOT EXCEED 3 OHMS.

2 LEGEND AND SYMBOLS

———	CIRCUIT LINE	– – – –	SWITCH LINE
CE	DUPLEX OUTLET		LED TUBELIGHT w/ FIXTURE
CI	LED PINLIGHT	(LP-1)	CIRCUIT HOMERUN
Sw2	TWO GANG SWITCH		PANELBOARD
Sc	ONE GANG SWITCH		ORBIT FAN
Ss	SELECTOR SWITCH		

PANEL: DP-VB (VARGAS BUILDING)
LOCATION: GROUND FLOOR (PANEL FOR REPLACEMENT)

MAIN: 125 AT, 2P IN SURFACE MOUNTED NEMA 1 ENCLOSURE

CKT NO.	LOAD DESCRIPTION	VOLTS	VOLT AMPERE	AMPERE	CIRCUIT BREAKER	SIZE OF	
						WIRES	CONDUITS
1	LPP	230	15000	65.24	100 AT 2P, BOLT ON	2 - 38mm² THHN WIRE & 1-8.0mm² TW (G) WIRE	IN 40mm Ø (1 ½) PVC
2	EXISTING LOAD	230	7500	33	60 AT 2P, BOLT ON	2 - 14mm² THHN WIRE & 1-5.5mm² TW (G) WIRE	IN 32mm Ø (1") PVC
	TOTAL		22500	113.74			

COMPUTATION:

IT = (22500/ 230 V)

IT = 113.74 AMPERES

OVER CURRENT PROTECTION:
USE : 125 AT, 2P CB BOLT-ON

MAIN FEEDER:
USE : 2 - 38mm² THHN WIRE & 1 - 8.0mm² TW GROUND WIRE
IN 40mmØ PVC PIPE

PANEL: LPP (VARGAS BUILDING)
LOCATION: GROUND FLOOR (PANEL FOR REPLACEMENT)

MAIN: 100 AT, 2P IN SURFACE MOUNTED NEMA 1 ENCLOSURE

CKT NO.	LOAD DESCRIPTION	VOLTS	VOLT AMPERE	AMPERE	CIRCUIT BREAKER	SIZE OF	
						WIRES	CONDUITS
1	20 - LIGHTING OUTLET, 3 - ORBIT FAN	230	3250	15.67	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
2	23 - LIGHTING OUTLET, 3 - ORBIT FAN	230	3750	17.74	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
3	23 - LIGHTING OUTLET, 3 - ORBIT FAN	230	3750	17.74	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
4	22 - LIGHTING OUTLET, 3 - ORBIT FAN	230	3550	15.74	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
5	8 - DUPLEX C.O.	230	1840	8.00	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
6	8 - DUPLEX C.O.	230	1840	8.00	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
7	8 - DUPLEX C.O.	230	1840	8.00	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
8	8 - DUPLEX C.O.	230	1840	8.00	20 AT 2P, BOLT ON	2 - 5.5mm² THHN WIRE & 1-3.5mm² TW (G) WIRE	IN 25mm Ø (¾") PVC
9	SPARE				20 AT 2P, BOLT ON		
10	SPARE				20 AT 2P, BOLT ON		
	TOTAL		18800	81.74			

COMPUTATION:

IT = (18800/ 230 V)

IT = 81.74 AMPERES

OVER CURRENT PROTECTION:
USE : 100 AT, 2P CB BOLT-ON

MAIN FEEDER:
USE : 2 - 30mm² THHN WIRE & 1 - 8.0mm² TW GROUND WIRE
IN 40mmØ PVC PIPE

3 SCHEDULE OF LOADS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY: ✓
REVISION NO:

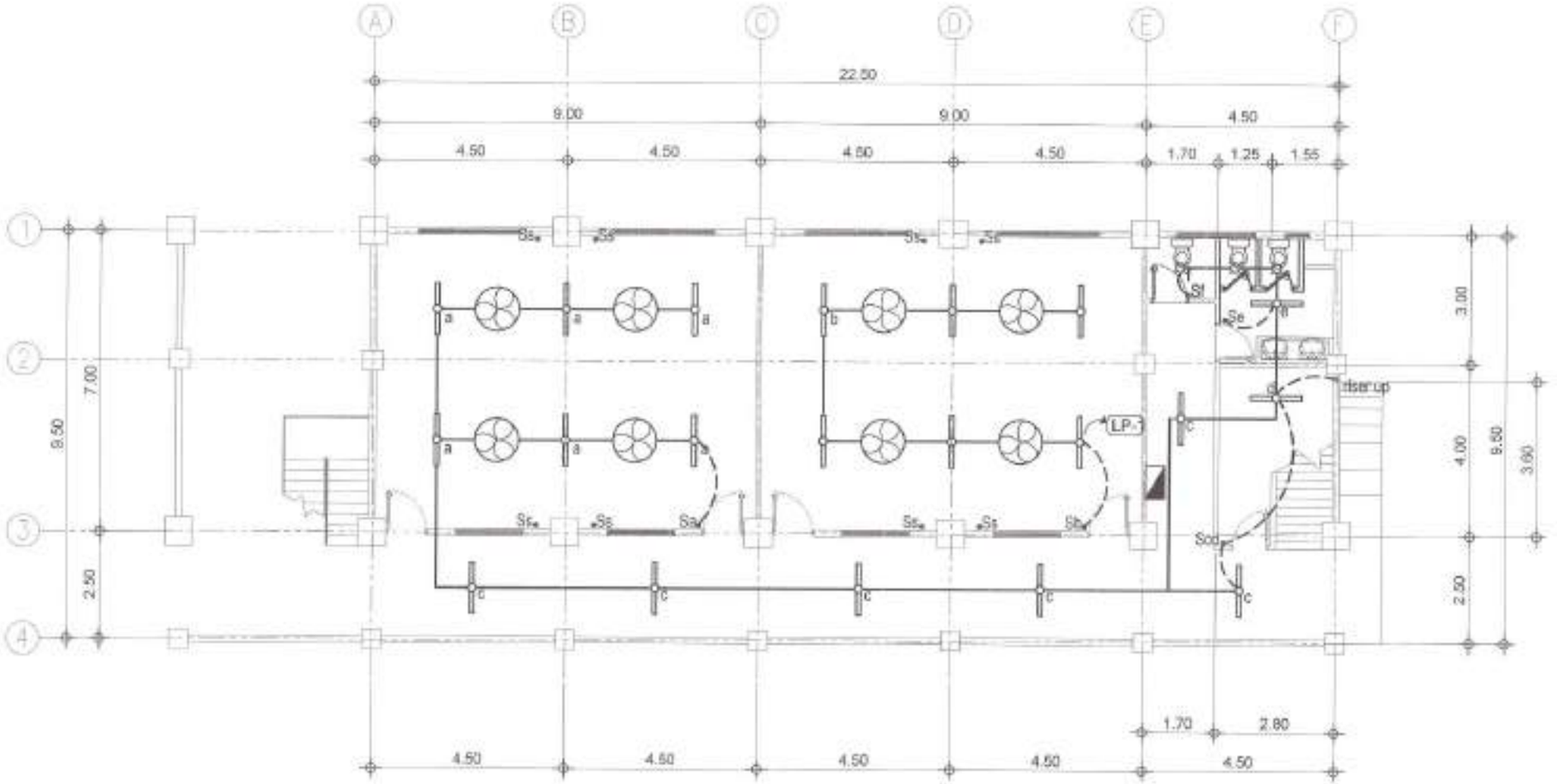
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ROMMEL R. VERZOSA, JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
GENERAL NOTES
LEGEND & SYMBOLS
SCHEDULE OF LOADS

SHEET NO.
EL-01
21 | 65



1 GROUND FLOOR LIGHTING LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:

DATE:

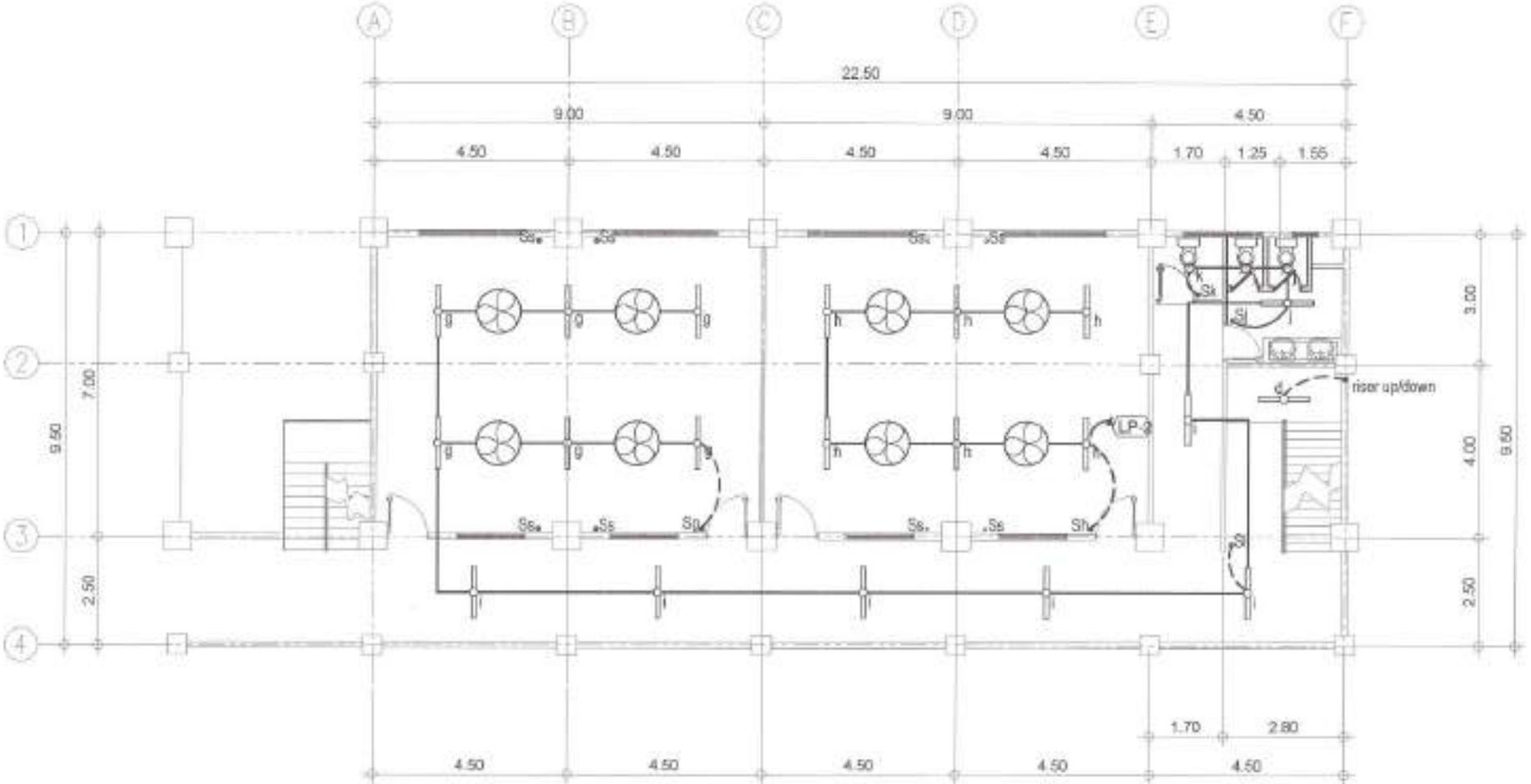
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
GROUND FLOOR LIGHTING LAYOUT

SHEET NO.
EL-02
22 65

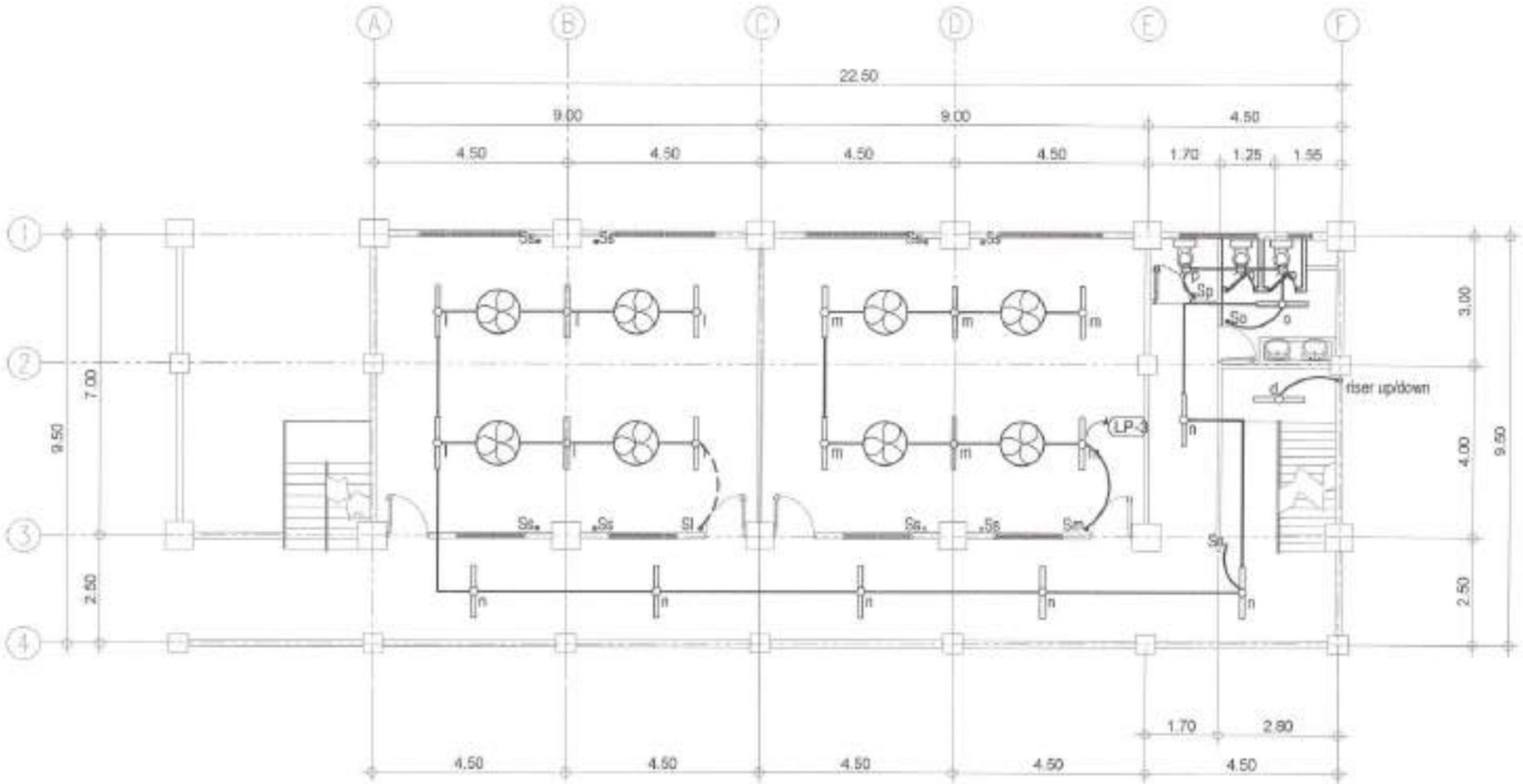


1 SECOND FLOOR LIGHTING LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE: PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL	DRAWN BY:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. FARGANI R. VERZOSA, JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT: SECOND FLOOR LIGHTING LAYOUT	SHEET NO. EL-03
LOCATION: BRGY. MAGALUCHES PROPER, DISTRICT 5, QUEZON CITY	DATE:					23 65
	CHECKED BY:					
	DRAWING NO.					

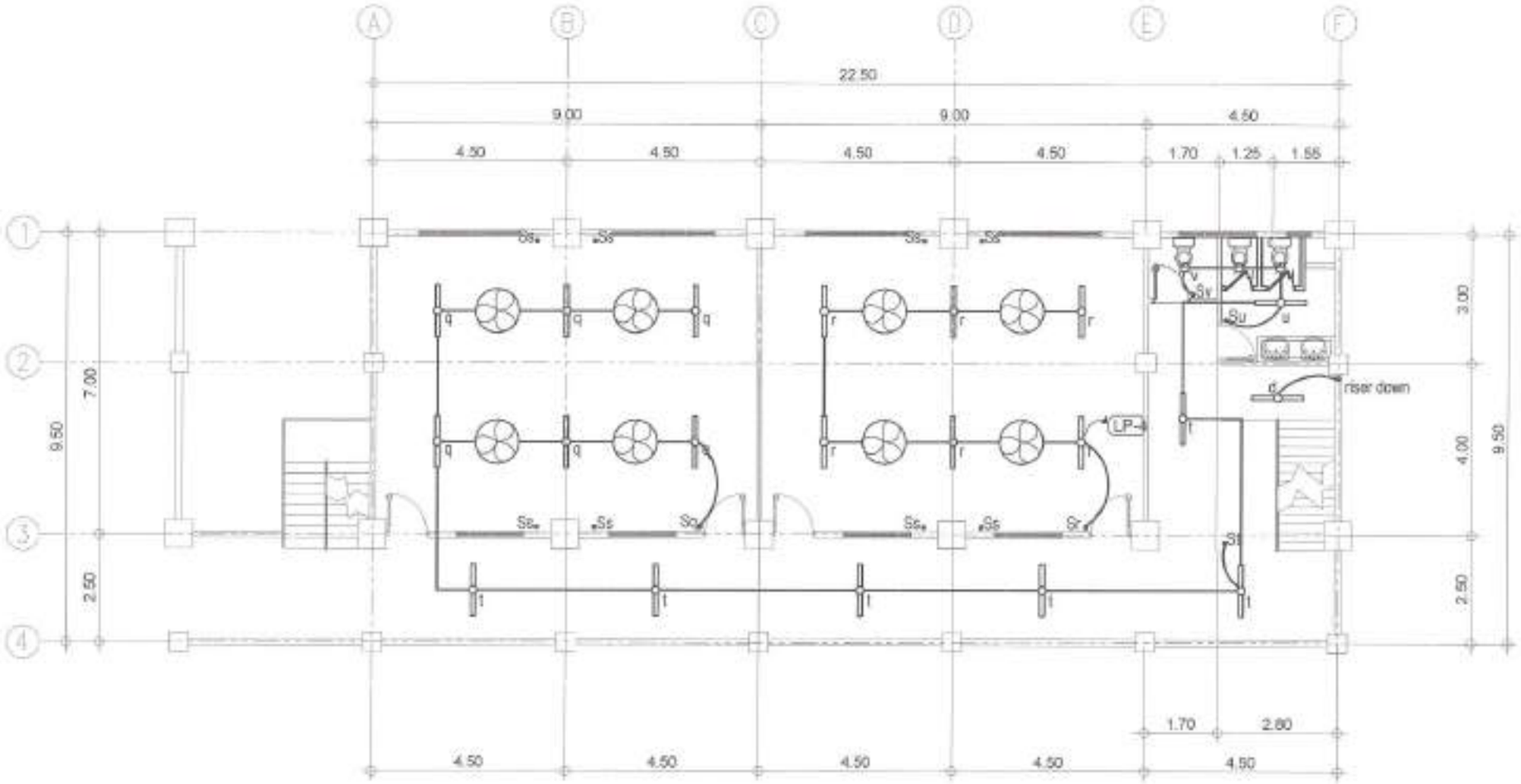


1 THIRD FLOOR LIGHTING LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE: PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL	DRAWN BY:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. IBRAHANI R. VERZOSA, JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT: THIRD FLOOR LIGHTING LAYOUT
LOCATION: BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY	DATE: CHECKED BY:				SHEET NO.: EL-04 24 65



1 FOURTH FLOOR LIGHTING LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
GRLV. NOVALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY: ✓
REVISION NO.:

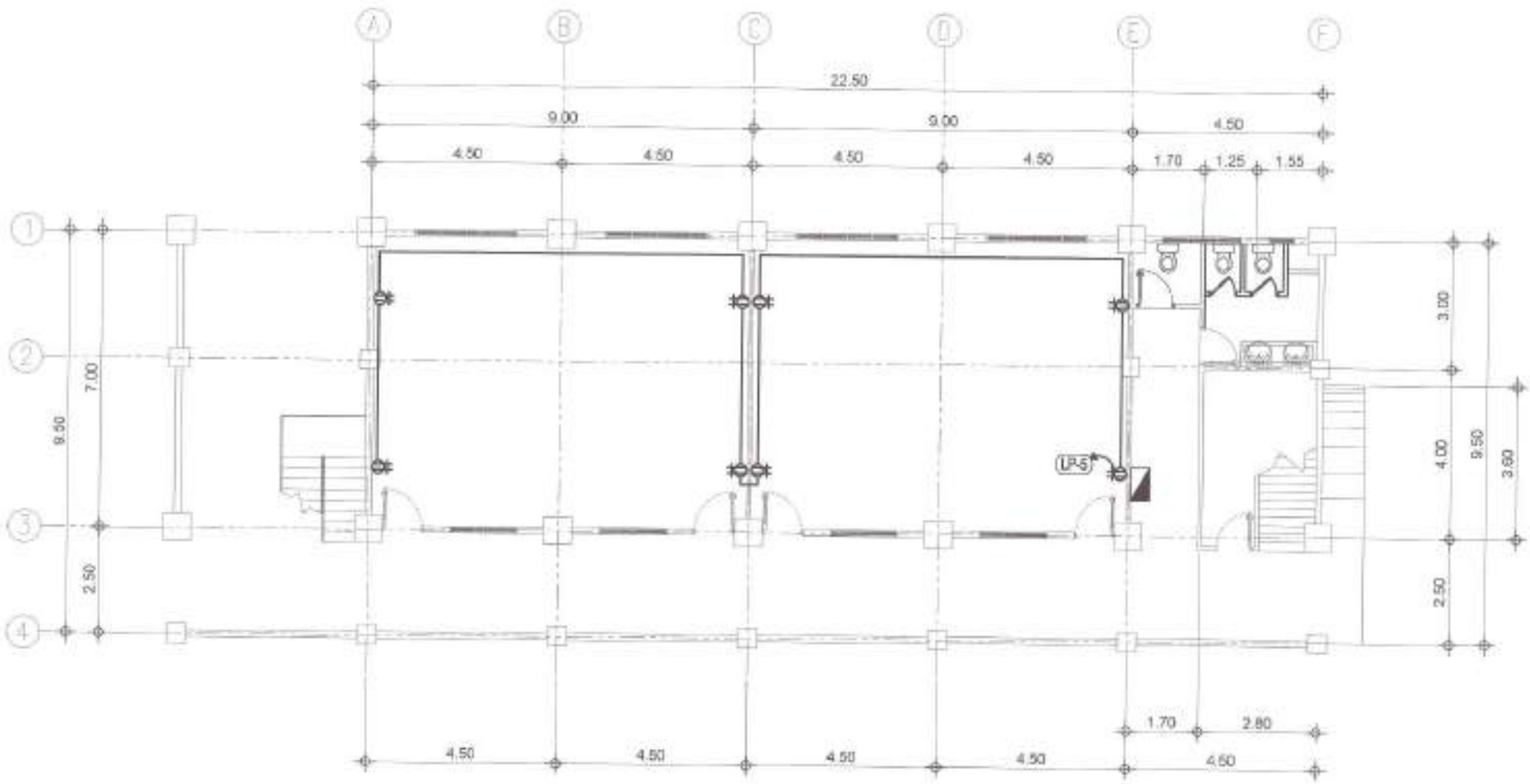
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
FOURTH FLOOR LIGHTING LAYOUT

SHEET NO.:
EL-05
25 | 65



1 GROUND FLOOR POWER LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II , QUEZON CITY

DRAWN BY:

DATE:

CHECKED BY:

REVISION NO.:

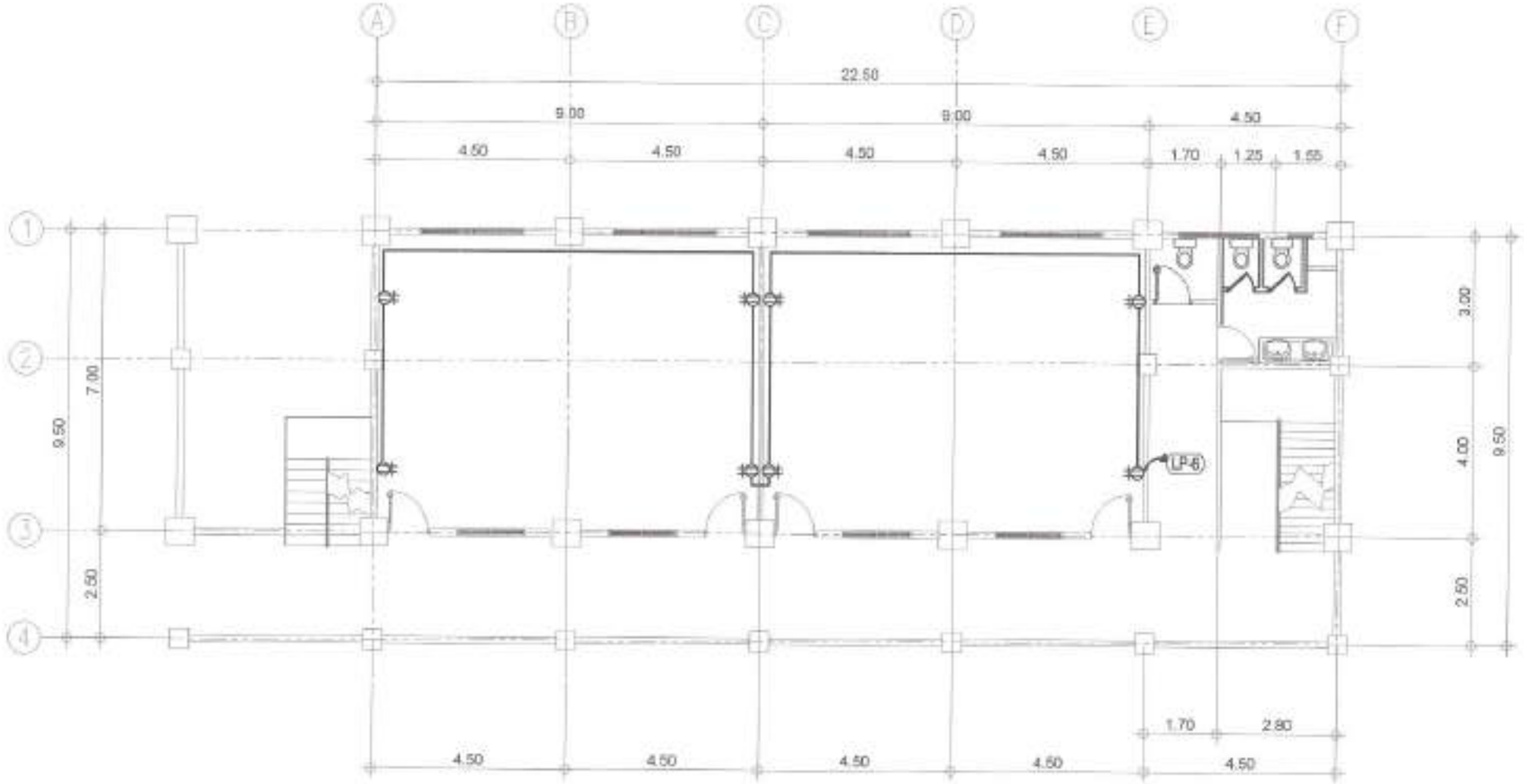
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. [illegible]ANI R. VERZOSA, JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
GROUND FLOOR POWER LAYOUT

SHEET NO.
EL-06
26 65



1 SECOND FLOOR POWER LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. MARIBLECHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY :

DATE :

CHECKED BY :

REVISION NO.

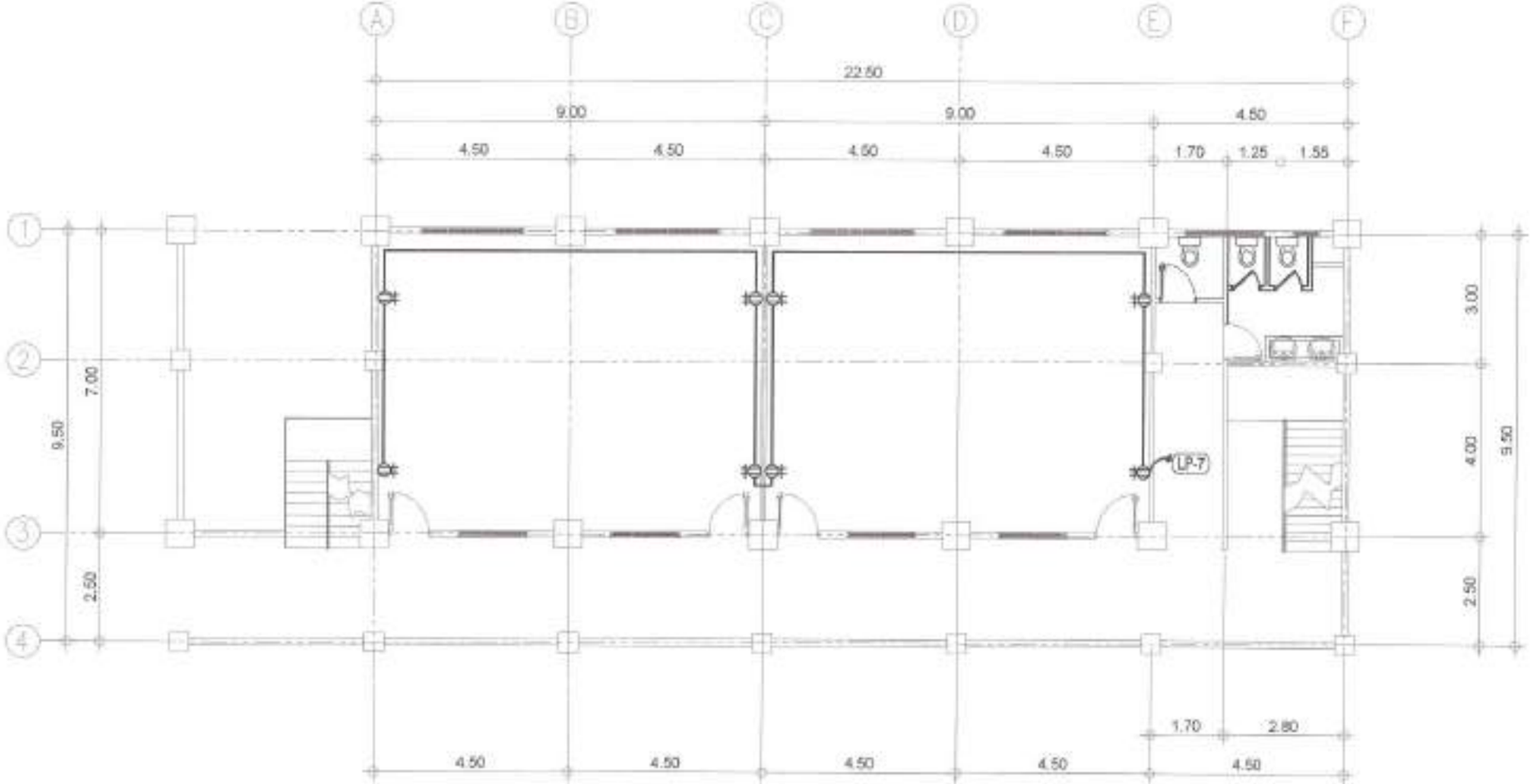
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. USAGANI R. VERZOSA, JR.

APPROVED BY :
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT
SECOND FLOOR POWER LAYOUT

SHEET NO.
EL-07
27 65



1 THIRD FLOOR POWER LAYOUT (VARGAS BUILDING)

SCALE1:100m

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

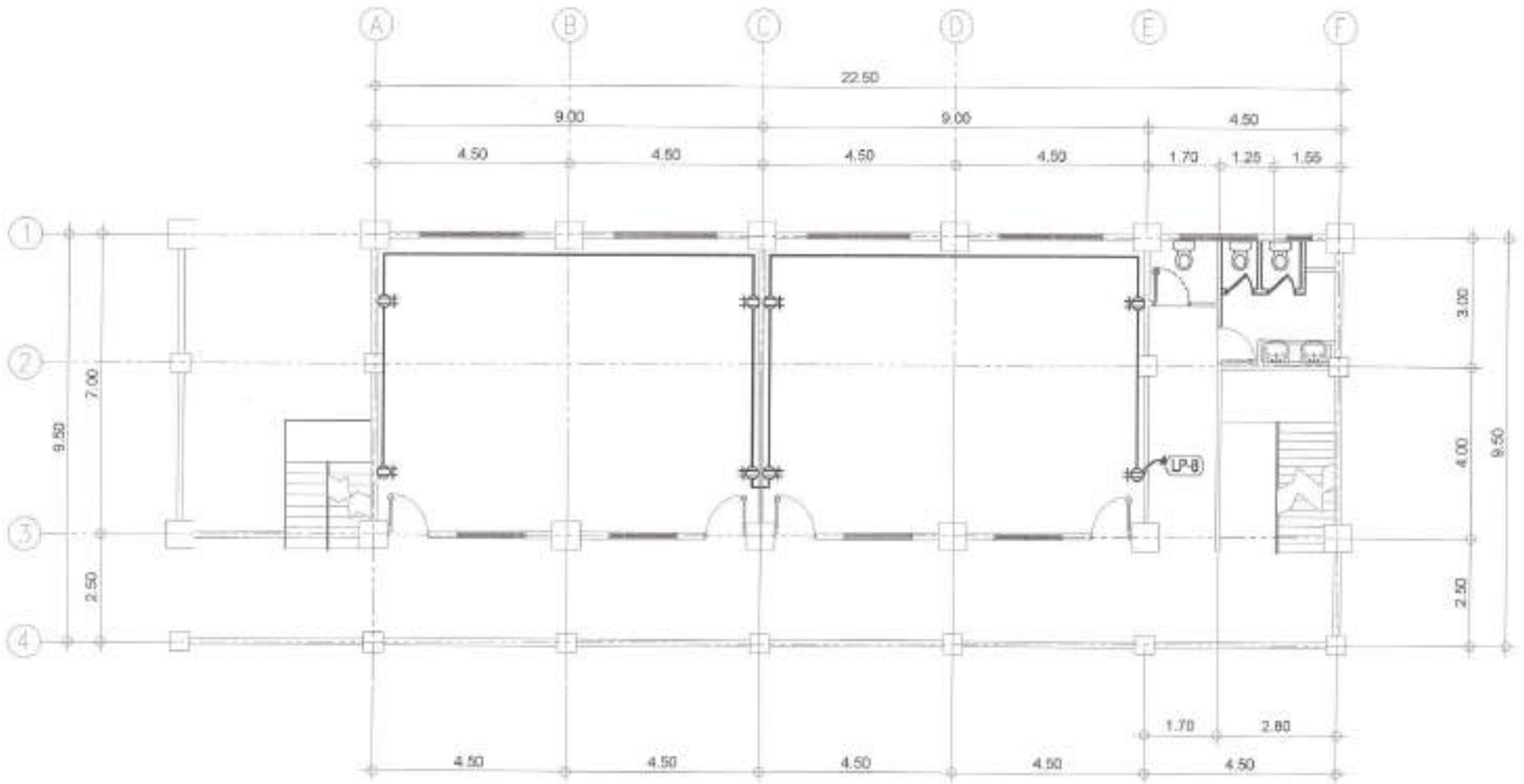
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. JERGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
THIRD FLOOR POWER LAYOUT

SHEET NO.
EL-08
28 65



1 FOURTH FLOOR POWER LAYOUT (VARGAS BUILDING)

SCALE1:100m.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. KAMUNING PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:

DATE:

CHECKED BY: ✓

DIVISION NO.:

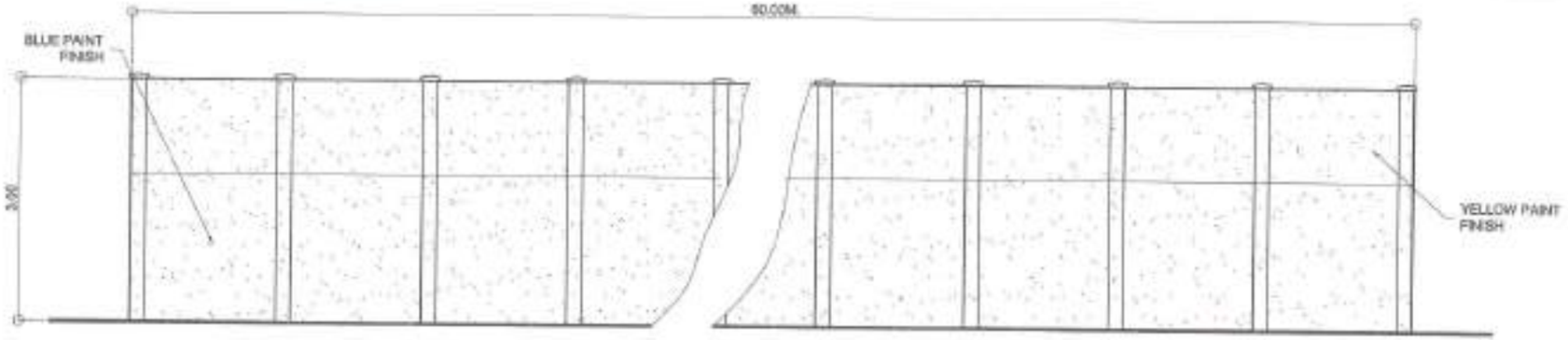
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CITY ENGINEER/DEPUTY DIRECTOR

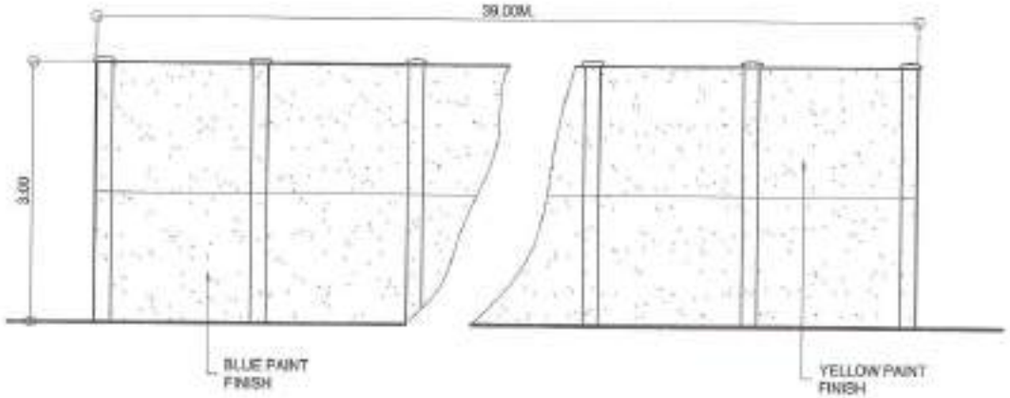
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
FOURTH FLOOR POWER LAYOUT

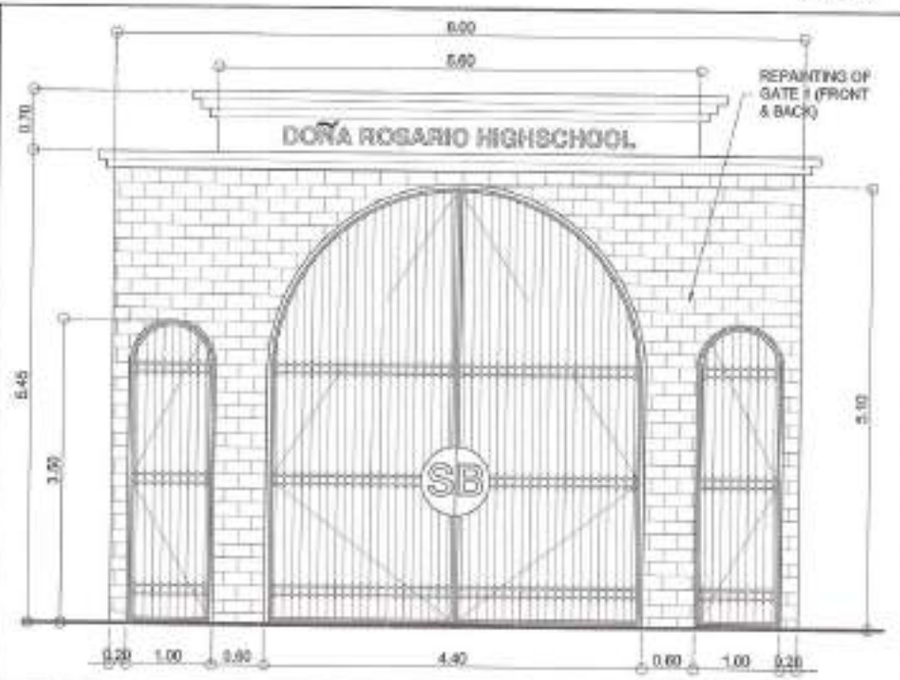
SHEET NO.
EL-09
29 65



1 REPAINTING OF FENCE (RIGHT 60.00M. x 3.00M.) SCALE: 1:60M.



2 REPAINTING OF FENCE (AT FRONT GATE 1 39.00M. x 3.00M.) SCALE: 1:60M.



3 MAIN GATE 1 SCALE: 1:60M.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. MONALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY: MAA
DATE:
CHECKED BY:
REVISION NO.:

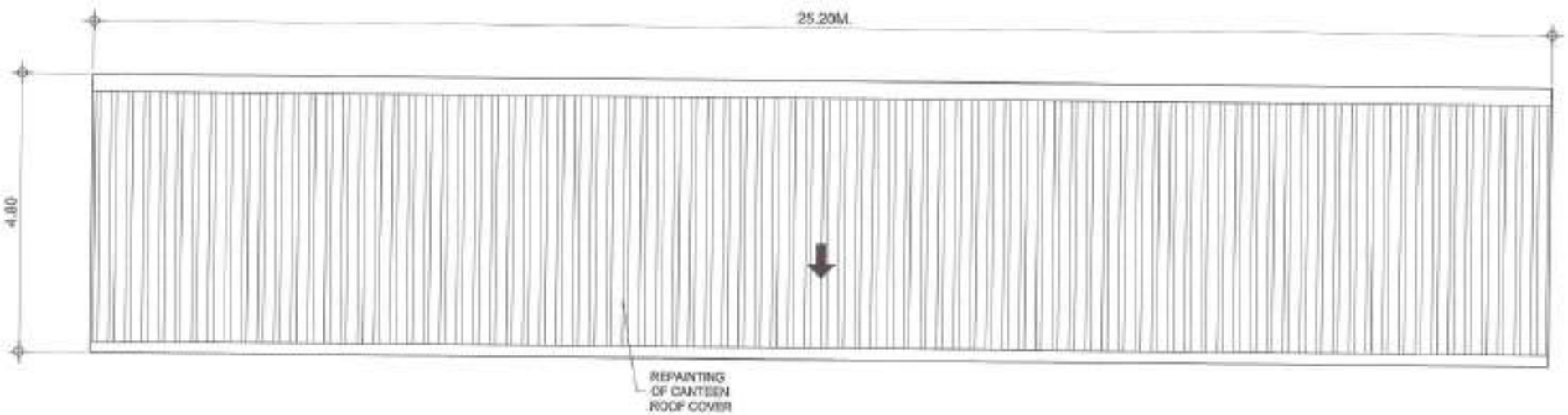
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
ASST. PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
DEPUTY ENGINEER-IN-CHARGE

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
REPAINTING OF FRONT GATE/CHB FENCE

SHEET NO.
AR-16
30 65



1 REPAINTING OF CANTEEN ROOF COVER

SCALE: 1:50M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. MARIA LOURDES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY: JAM
DATE:
CHECKED BY:
REVISION NO.:

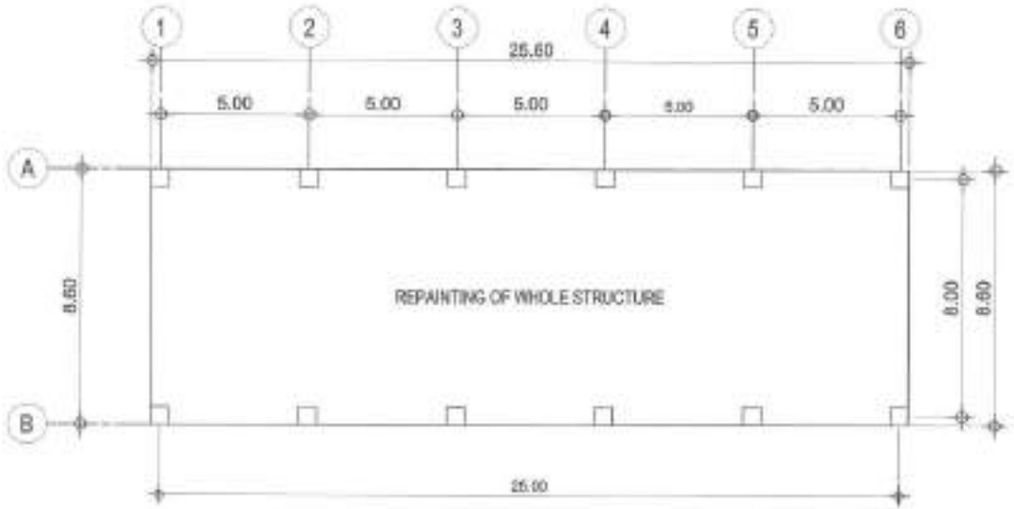
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING AND PROGRAMMING SECTION

RECOMMENDING APPROVAL:
ENGR. JAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

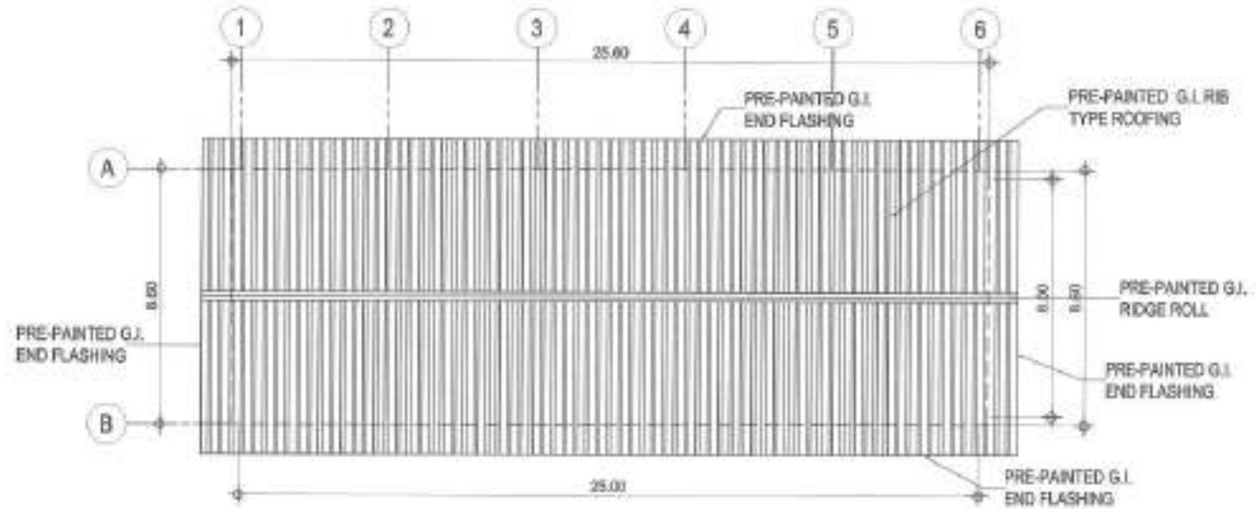
SHEET CONTENT:
REPAINTING OF CANTEEN ROOF COVER

SHEET NO.:
AR-17
31 | 65



1 BASKETBALL COURT FLOOR PLAN

SCALE: 1:175 METERS



2 BASKETBALL COURT ROOF PLAN

SCALE: 1:175 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. NONALUCHES PROPER, DISTRICT II , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

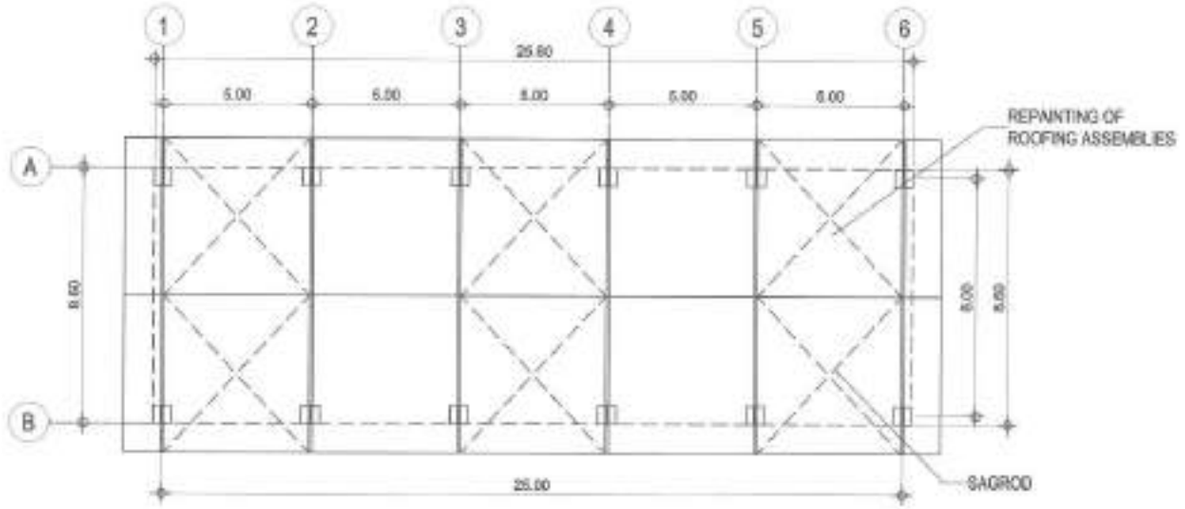
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

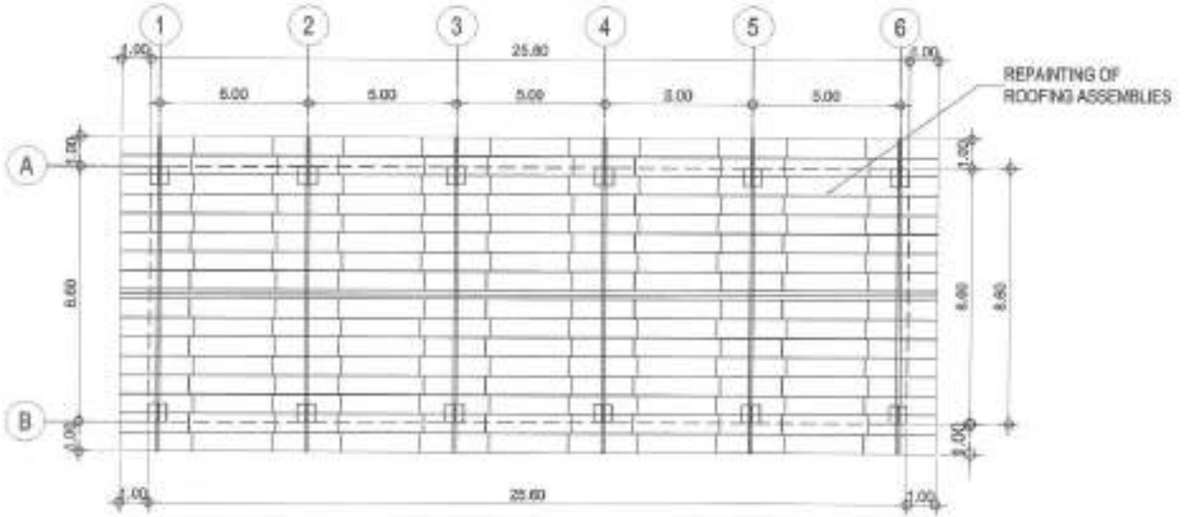
SHEET CONTENT:
BASKETBALL COURT FLOOR PLAN
BASKETBALL COURT ROOF PLAN

SHEET NO.
AR-18
32 65



1 ROOF CROSS BRACING PLAN (BASKETBALL COURT)

SCALE: 1:175 METERS



2 ROOF FRAMING PLAN (BASKETBALL COURT)

SCALE: 1:175 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 6, QUEZON CITY

DRAWN BY: REPUR
DATE:
CHECKED BY: ✓
VERSION NO.

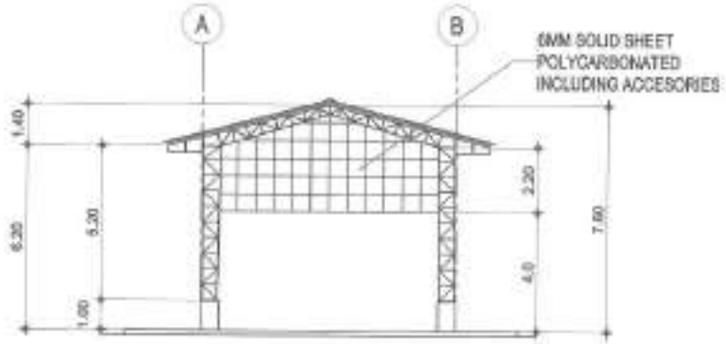
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING AND PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

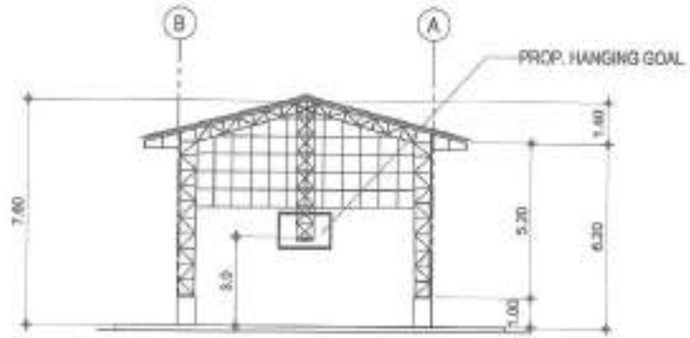
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
ROOF CROSS BRACING PLAN (BASKETBALL COURT)
ROOF FRAMING PLAN (BASKETBALL COURT)

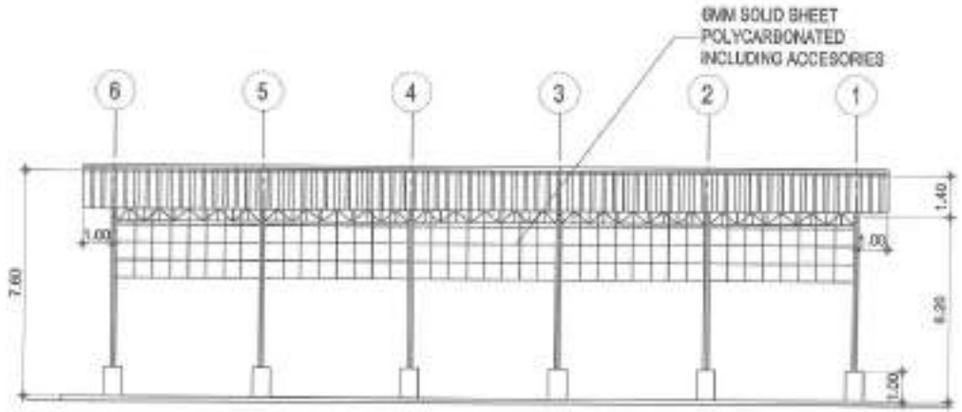
SHEET NO.
AR-19
33 | 65



1 TYPICAL FRONT & REAR ELEVATION SCALE: 1:175 METERS



3 CROSS SECTION SCALE: 1:175 METERS



2 TYPICAL SIDE ELEVATION SCALE: 1:175 METERS

4 LONGITUDINAL SECTION SCALE: 1:175 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II , QUEZON CITY

DRAWN BY: / RSPVR
DATE:
CHECKED BY:
REVISION NO.:

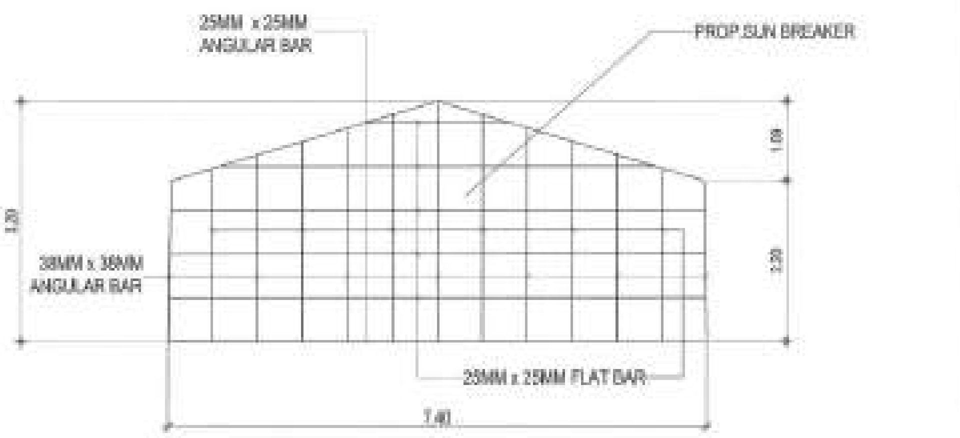
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. RAGINI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

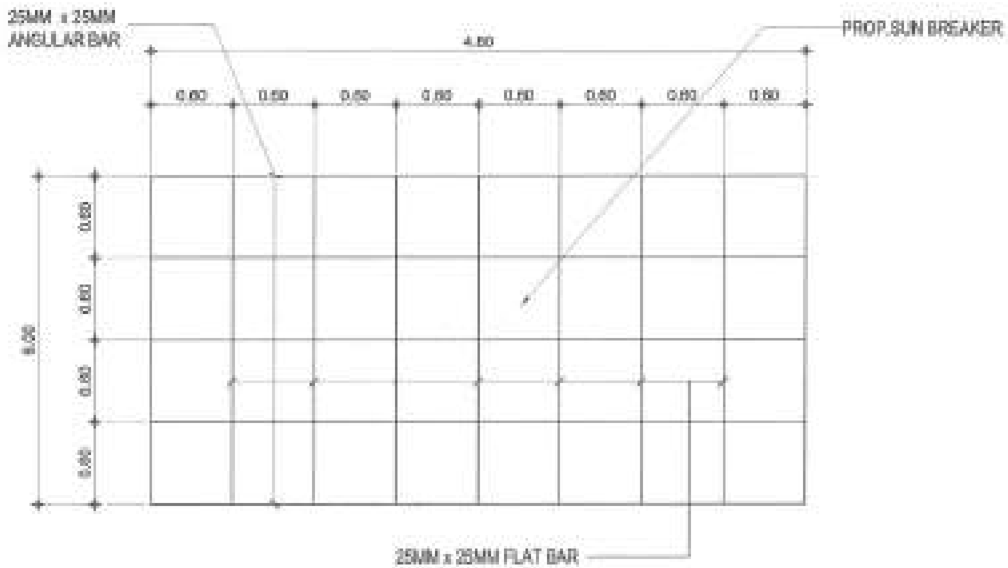
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
BASKETBALL COURT
-TYPICAL FRONT ELEVATION
-TYPICAL SIDE ELEVATION
-CROSS SECTION
-LONGITUDINAL SECTION

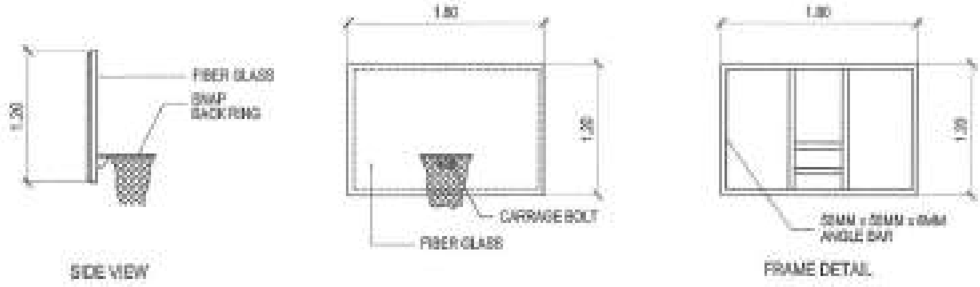
SHEET NO.
AR-20
34 65



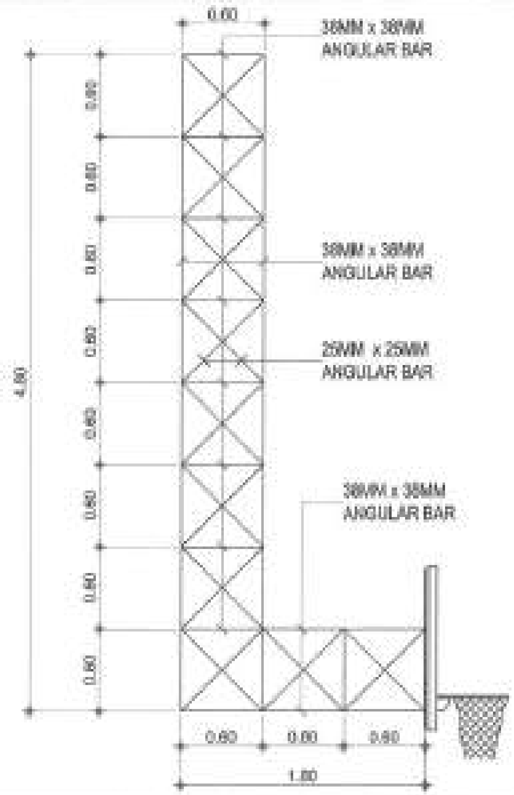
1 SUN BREAKER DETAIL 'A' SCALE: 1:75 METERS



2 SUN BREAKER DETAIL 'B' SCALE: 1:75 METERS



3 BOARD DETAIL SCALE: 1:50 METERS



4 HANGING GOAL DETAIL SCALE: 1:40 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

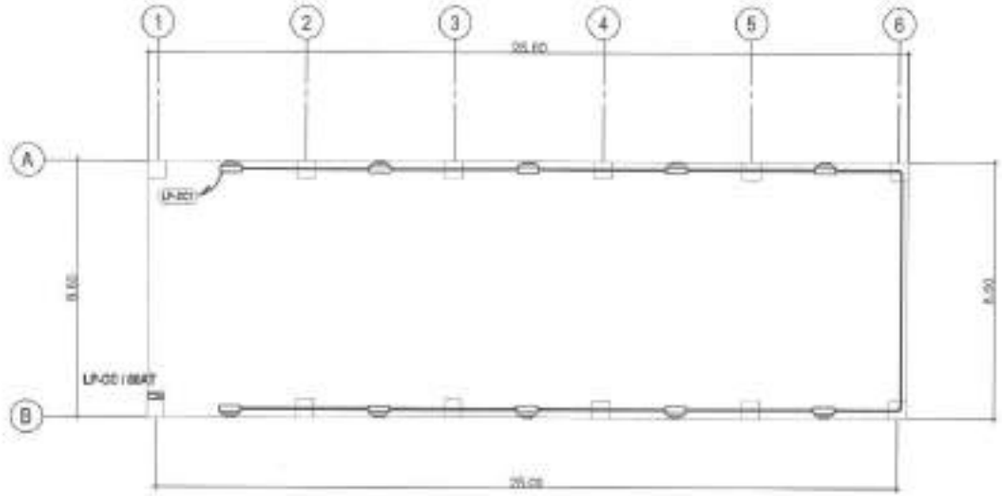
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
BASKETBALL COURT
-SUN BREAKER DETAIL 'A'
-SUN BREAKER DETAIL 'B'
-BOARD DETAIL
-HANGING GOAL DETAIL

SHEET NO.
AR-21
35 | 65

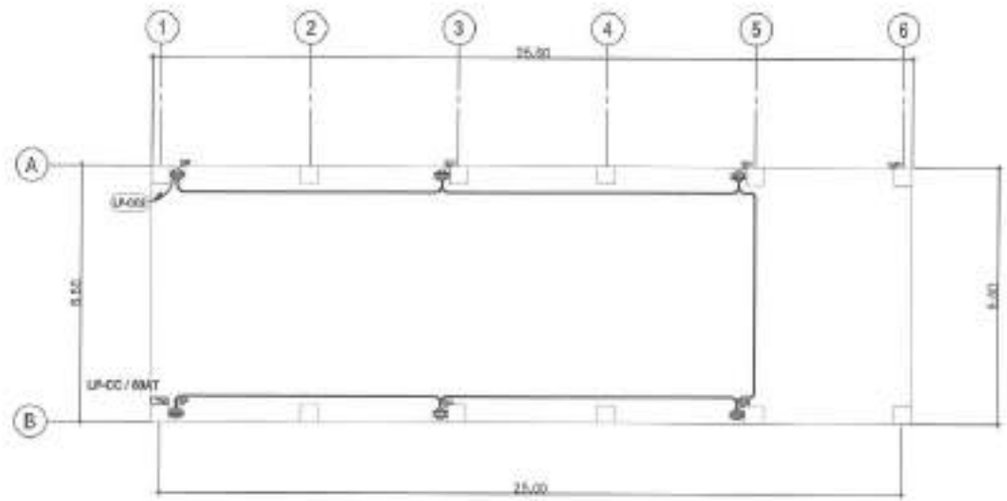


NOTE:
REPAINTING OF WHOLE STRUCTURE

LED FLOOD LIGHT

1 COVERED COURT LIGHTING LAYOUT

SCALE: 1:175 METERS



NOTE:
REPAINTING OF WHOLE STRUCTURE

DUPLEX OUTLET

2 COVERED COURT POWER LAYOUT

SCALE: 1:175 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY: KBPJR
DATE:
CHECKED BY:
REVISION NO.

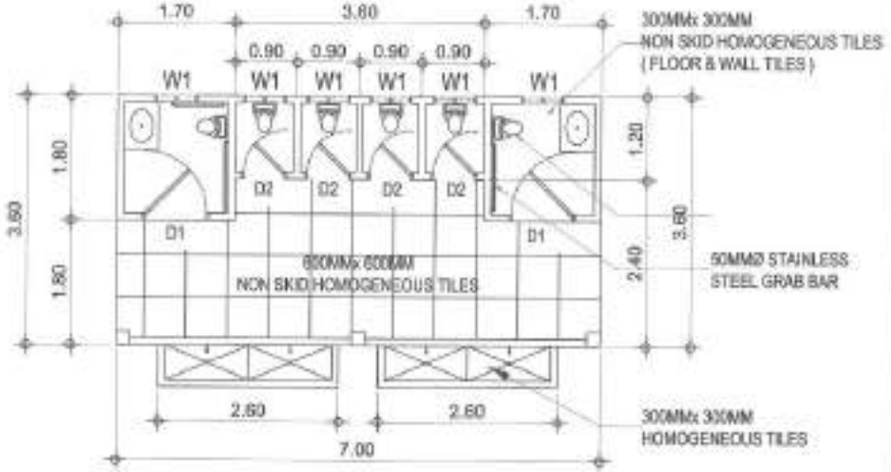
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CITY ENGINEER, CEO/HOD

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

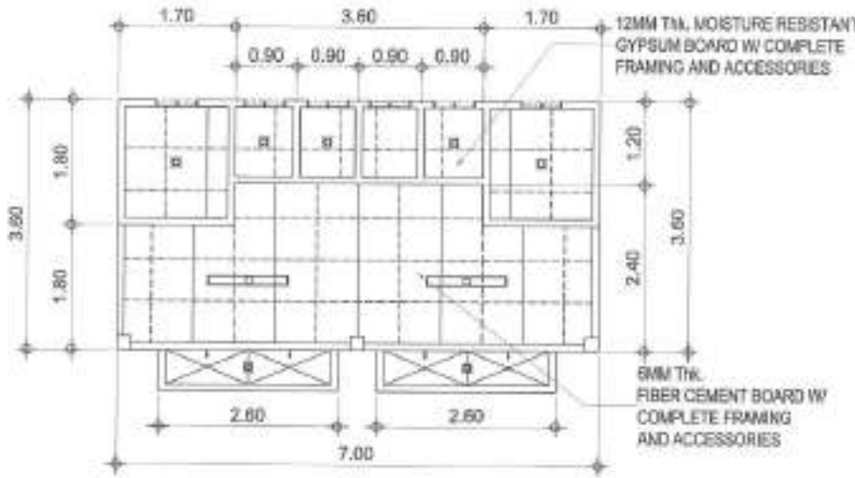
SHEET CONTENT:
-COVERED COURT LIGHTING LAYOUT
-COVERED COURT POWER LAYOUT

SHEET NO.
EL-10
36 65

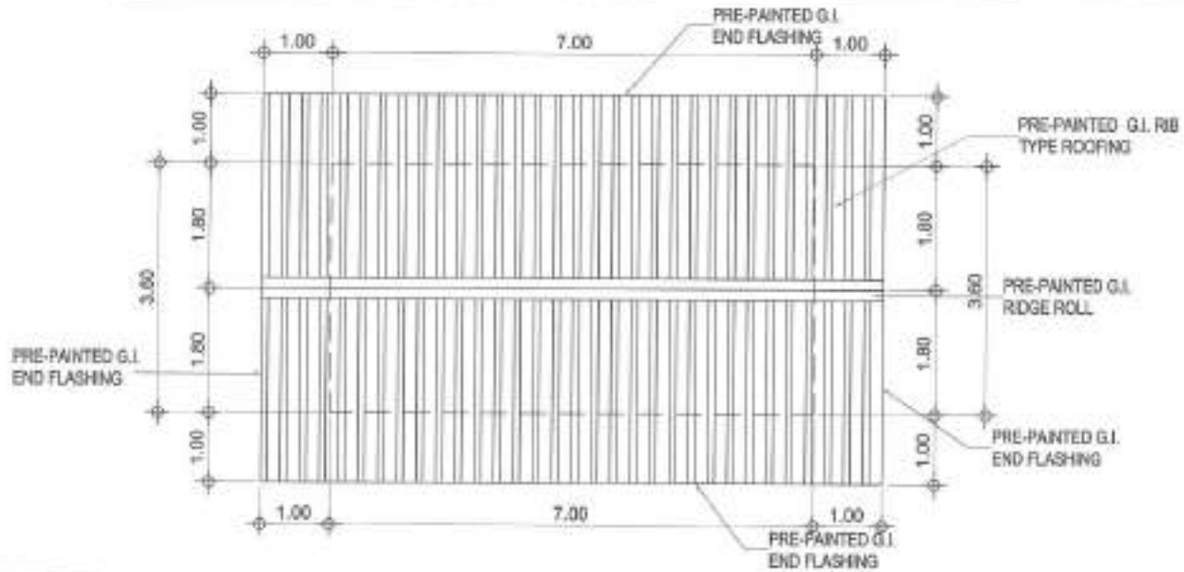


NOTE:
1. DOOR AND WINDOWS TO BE REPLACED
2. FLOOR TILES TO BE REPLACED
3. PLUMBING FIXTURES TO BE REPLACED
4. LIGHTING FIXTURES TO BE REPLACED

1 FLOOR PLAN (DEPED CR BLDG. 5) SCALE: 1:75 METERS



2 REFLECTED CEILING PLAN (DEPED CR BLDG. 5) SCALE: 1:75 METERS



3 ROOF PLAN (DEPED CR BLDG. 5) SCALE: 1:75 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 3 , QUEZON CITY

DRAWN BY: RSPUR
DATE:
CHECKED BY:
REVISION NO.

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
FLOOR PLAN (DEPED BLDG. 5)
ROOF PLAN (DEPED BLDG. 5)
REFLECTED CEILING PLAN (DEPED CR BLDG. 5)

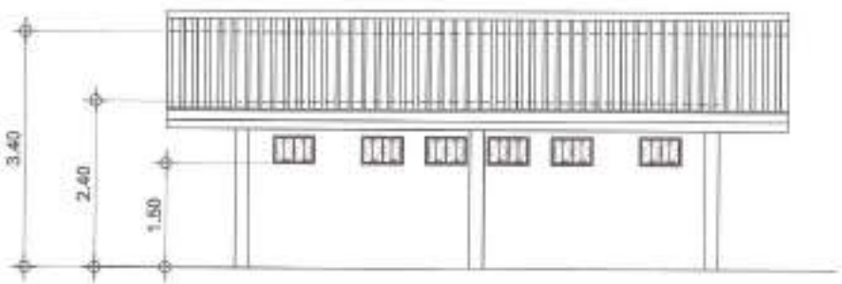
SHEET NO.
AR-22
37 65

NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

1 FRONT ELEVATION (DEPED CR BLDG. 5) SCALE: 1:75 M.

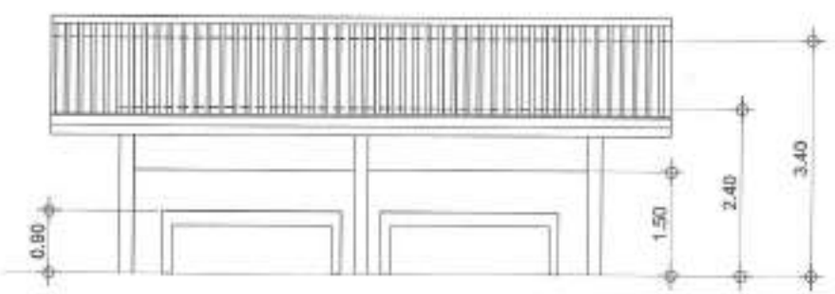
NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

2 REAR ELEVATION (DEPED CR BLDG. 5) SCALE: 1:75 M.



NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

3 LEFT SIDE ELEVATION (DEPED CR BLDG. 5) SCALE: 1:75 M.



NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

4 RIGHT SIDE ELEVATION (DEPED CR BLDG. 5) SCALE: 1:75 M.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. MOHALICHES PROPER, DISTRICT II , QUEZON CITY

DRAWN BY: CHECKED BY: DATE: REVISION NO.:

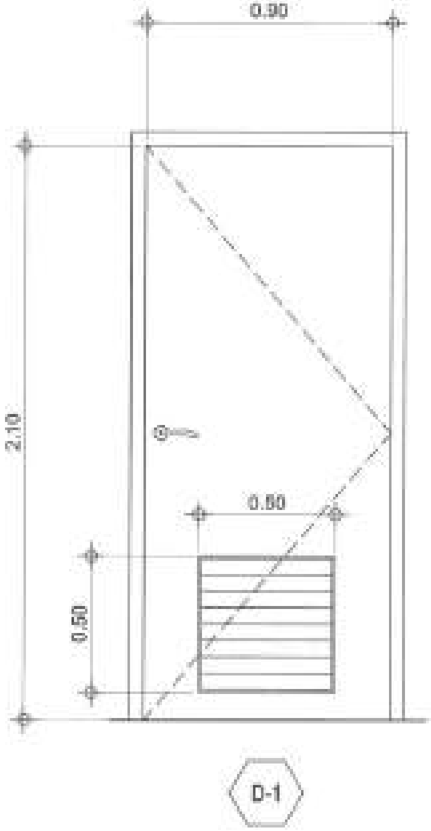
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

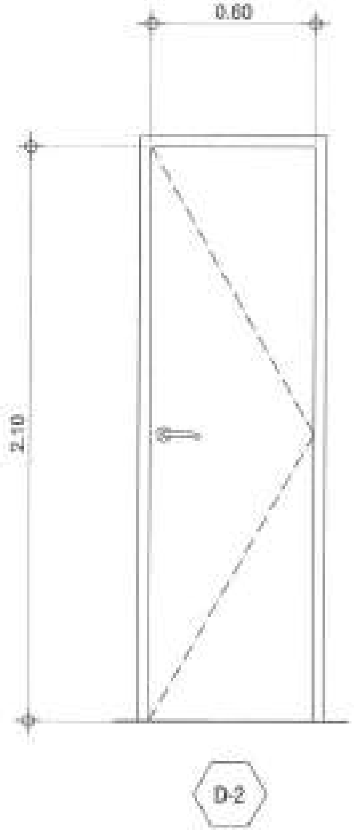
RECOMMENDING APPROVAL:
ENGR. [illegible] R. VERZOSA, JR.
OIC-CITY ENGINEER/DEVELOPMENT

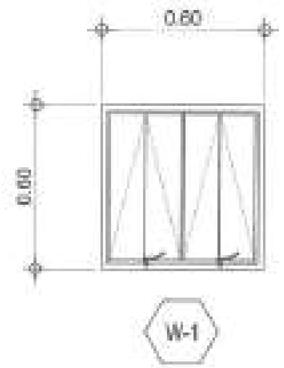
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
FRONT ELEVATION (DEPED CR BLDG. 5)
REAR ELEVATION (DEPED CR BLDG. 5)
LEFT SIDE ELEVATION (DEPED CR BLDG. 5)
RIGHT SIDE ELEVATION (DEPED CR BLDG. 5)

SHEET NO.
AR-23
38 | 65







MARK	NO. OF UNITS	DISCRIPTION	LOCATION	REMARKS
D1	2 SETS	FLUSH DOOR WITH LOUVER	TOILETS FOR PWD	
D2	4 SETS	FLUSH DOOR	TOILETS	
W1	6 SETS	STEEL CASEMENT AWNING TYPE WINDOW	TOILETS	

1 SCHEDULE OF DOORS AND WINDOWS (DEPED CR BLDG. 5)

SCALE: 1:75 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

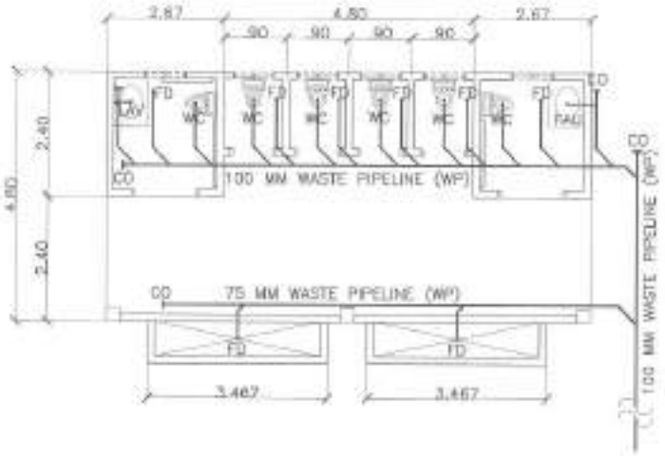
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

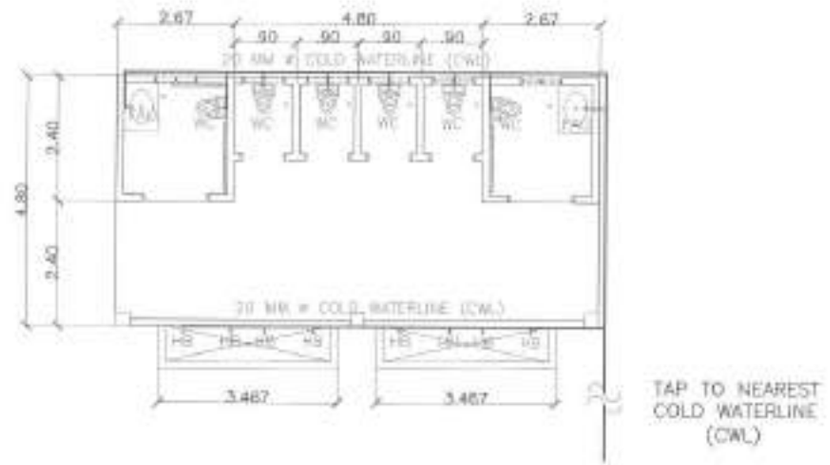
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
SCHEDULE OF DOORS & WINDOWS (DEPED CR BLDG. 5)

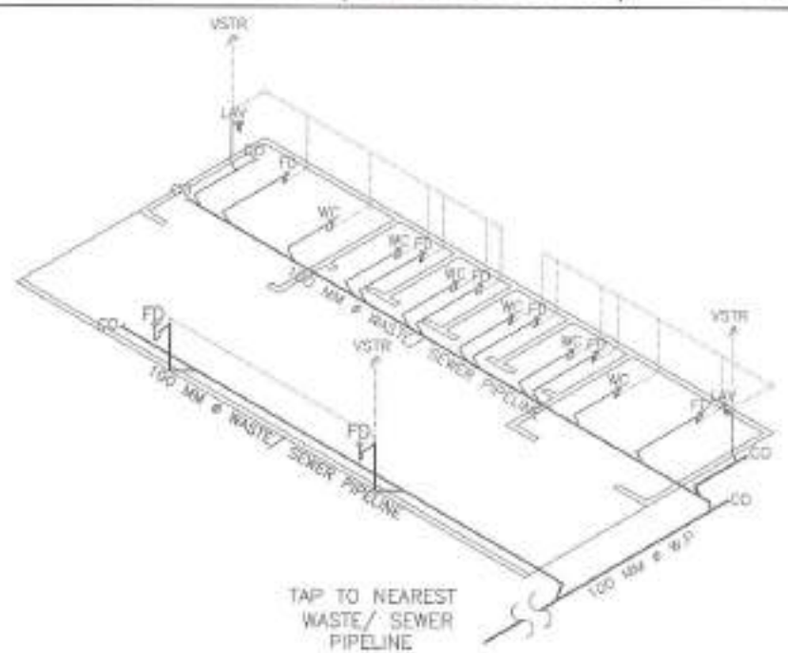
SHEET NO.:
AR-24
39 | 65



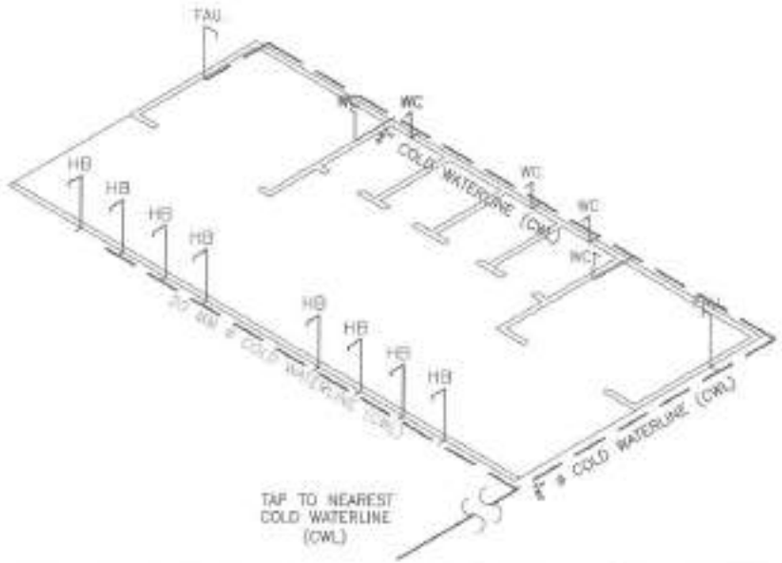
1 WASTE/ SEWER LAYOUT (DEPED CR BLDG. 5) SCALE: 1:75 METERS



2 WATERLINE LAYOUT (DEPED CR BLDG. 5) SCALE: 1:75 METERS



3 WASTE/ SEWER ISOMETRIC LAYOUT (DEPED CR BLDG. 5)



4 WATERLINE ISOMETRIC LAYOUT (DEPED CR BLDG. 5)

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION: BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY: RSP/JR
DATE:
CHECKED BY:
REVISION NO.:

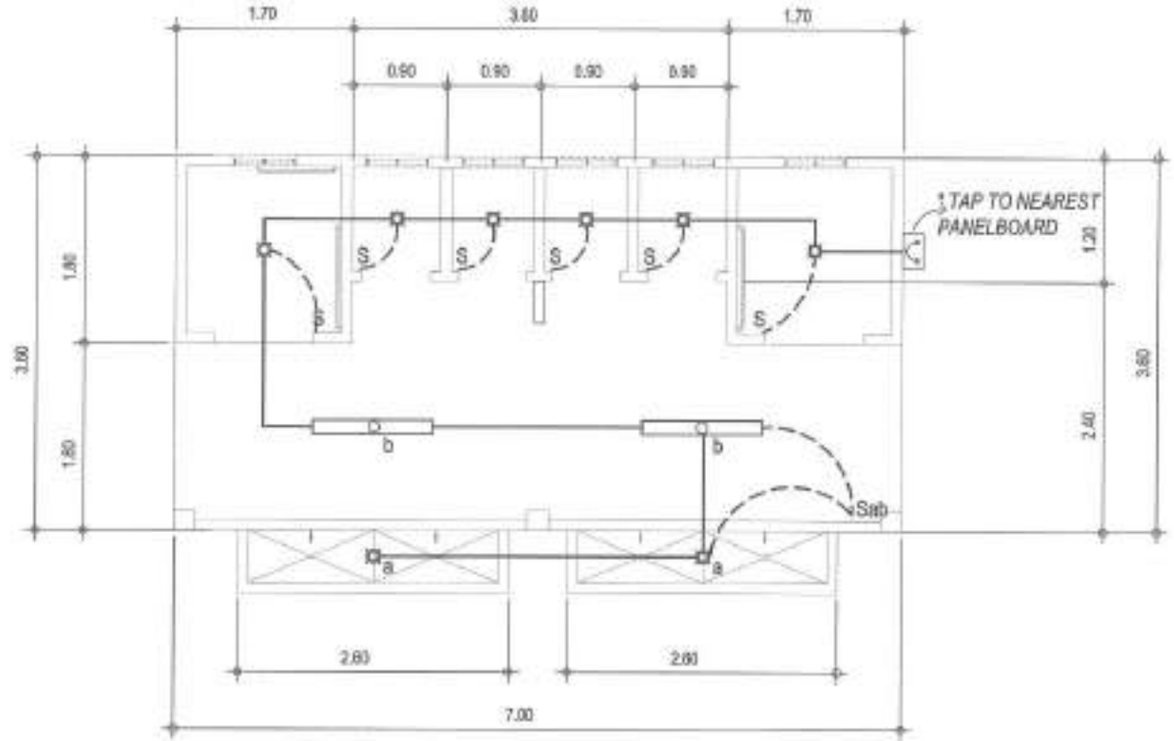
SUBMITTED BY:
ENGR. LEO B. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
(DEPED CR BLDG. 5) WASTE / SEWER / WATER LINE LAYOUT
WASTE/ SEWER / WATER LINE ISOMETRIC LAYOUT

SHEET NO.
PL-06
40 65



	LED PINLIGHT
	LED TUBELIGHT w/ FIXTURE
C	ENCLOSED CIRCUIT BREAKER

1 DEPED CR BUILDING 5 COMFORT ROOM LIGHTING LAYOUT

SCALE: 1:50 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY: RSP/JR
DATE:
CHECKED BY:
REVISION NO.:

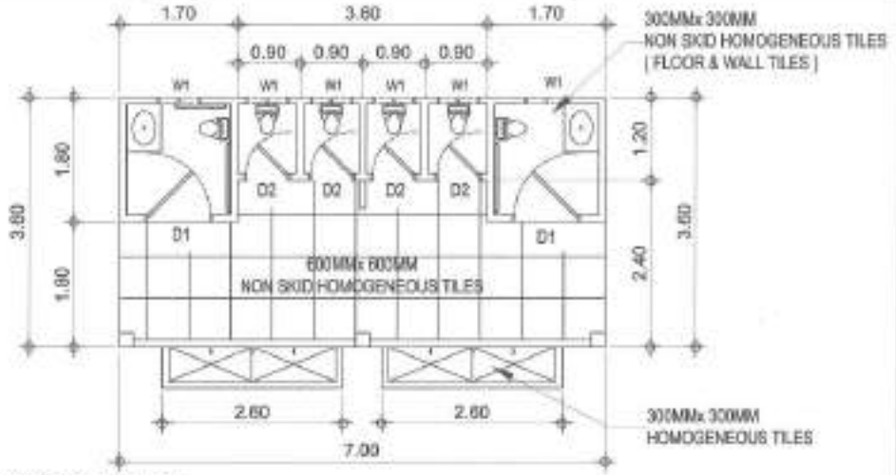
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING OFFICER

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
DEPED CR BLDG. 5 ELECTRICAL LIGHTING LAYOUT

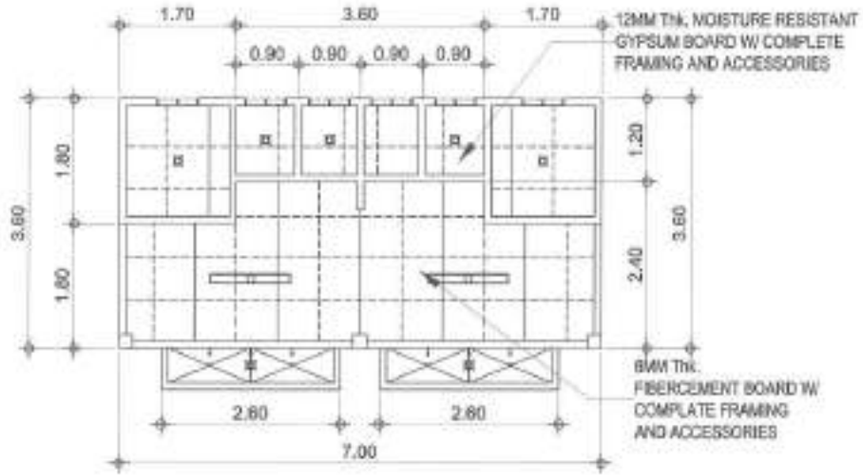
SHEET NO.
EL-11
41 | 65



NOTE:
1. DOOR AND WINDOWS TO BE REPLACED
2. FLOOR TILES TO BE REPLACED
3. PLUMBING FIXTURES TO BE REPLACED
4. LIGHTING FIXTURES TO BE REPLACED

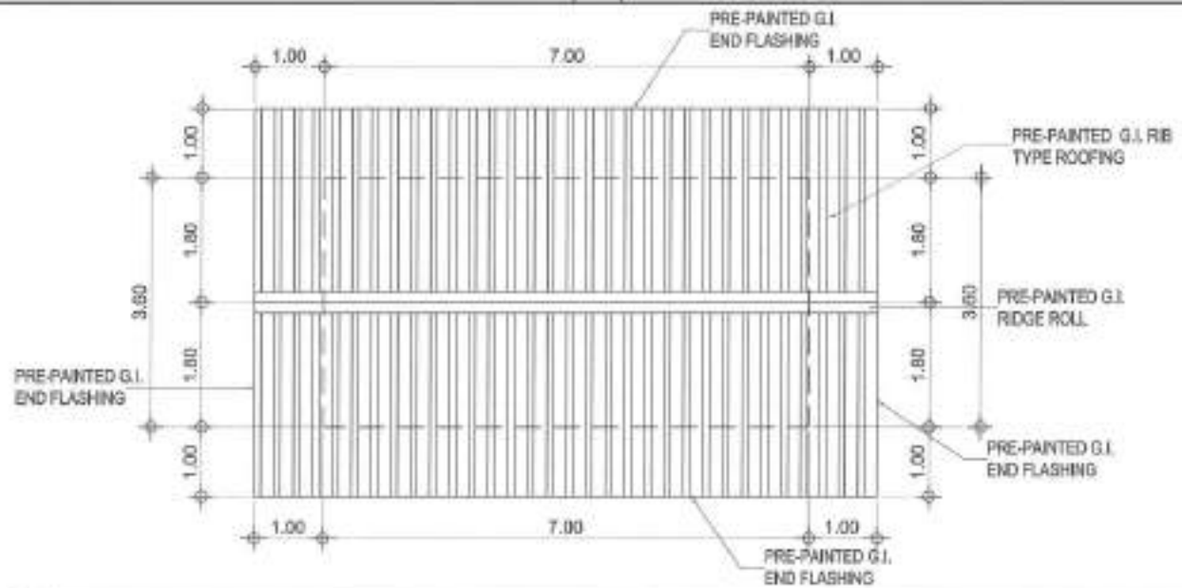
1 FLOOR PLAN (DEPED CR BLDG. 8)

SCALE: 1:75 METERS



3 REFLECTED CEILING PLAN (DEPED CR BLDG. 8)

SCALE: 1:75 METERS



2 ROOF PLAN (DEPED CR BLDG. 8)

SCALE: 1:75 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

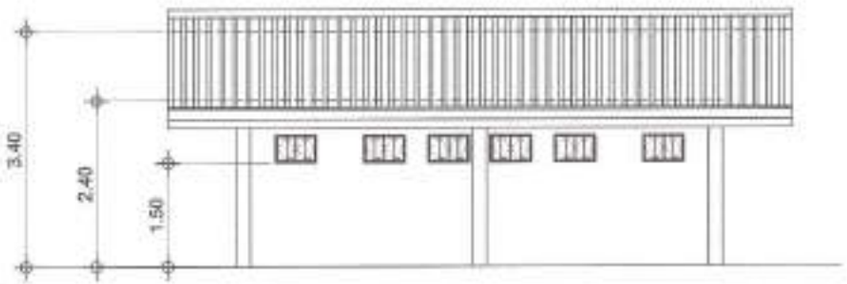
PROJECT TITLE: **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL**	DRAWN BY: RSP/JR	SUBMITTED BY: **ENGR. LEO S. DEL ROSARIO**	RECOMMENDING APPROVAL: **ENGR. ISAGANI R. VERZOSA, JR.**	APPROVED BY: **HON. MA. JOSEFINA G. BELMONTE**	SHEET CONTENT: FLOOR PLAN (DEPED BLDG. 8) ROOF PLAN (DEPED BLDG. 8) REFLECTED CEILING PLAN (DEPED CR BLDG. 8)
LOCATION: BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY	DATE: CHECKED BY: ✓ REVISION NO.:				SHEET NO.: AR-25 42 65

NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

1 FRONT ELEVATION (DEPED CR BLDG. 8) SCALE: 1:75 M.

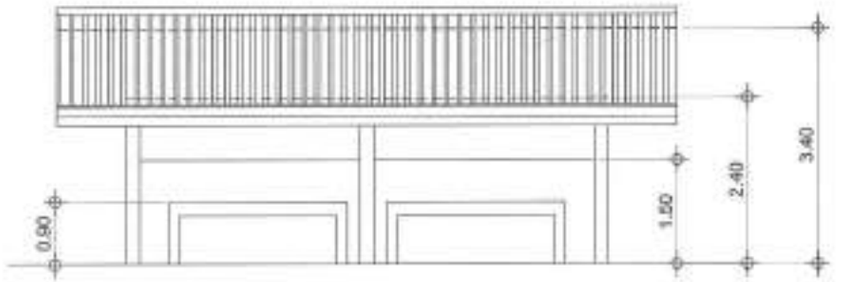
NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

2 REAR ELEVATION (DEPED CR BLDG. 8) SCALE: 1:75 M.



NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

3 LEFT SIDE ELEVATION (DEPED CR BLDG. 8) SCALE: 1:75 M.



NOTE:
1. REPAINTING OF WHOLE STRUCTURE
2. G.I. ROOFING TO BE REPLACED
3. TILES TO BE REPLACED

4 RIGHT SIDE ELEVATION (DEPED CR BLDG. 8) SCALE: 1:75 M.

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. KONALCHOES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY: RSPJR
DATE:
CHECKED BY:
REVISION NO.:

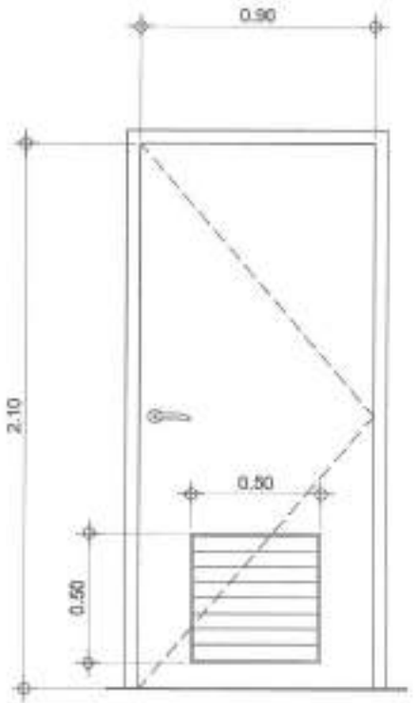
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. EDGAR R. VERZOSA, JR.

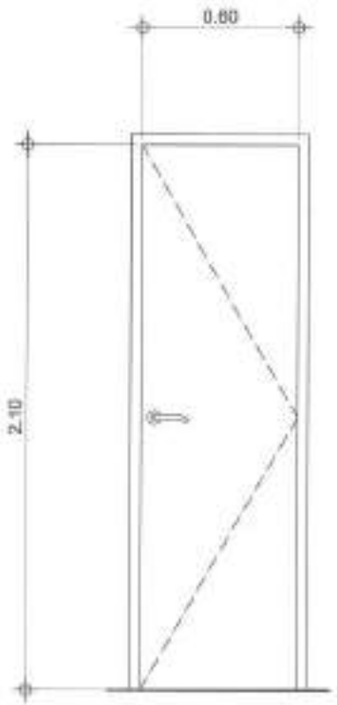
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
FRONT ELEVATION (DEPED CR BLDG. 8)
REAR ELEVATION (DEPED CR BLDG. 8)
LEFT SIDE ELEVATION (DEPED CR BLDG. 8)
RIGHT SIDE ELEVATION (DEPED CR BLDG. 8)

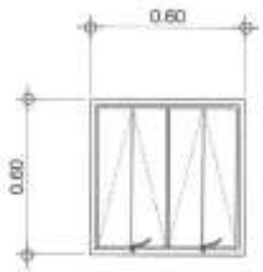
SHEET NO.
AR-26
43 65



D-1



D-2



W-1

MARK	NO. OF UNITS	DISCRIPTION	LOCATION	REMARKS
D1	2 SETS	FLUSH DOOR WITH LOUVER	TOILETS FOR PWD	
D2	4 SETS	FLUSH DOOR	TOILETS	
W1	6 SETS	STEEL CASEMENT AWNING TYPE WINDOW	TOILETS	

1 SCHEDULE OF DOORS AND WINDOWS (DEPED CR BLDG. 8)

SCALE: 1:75 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO:

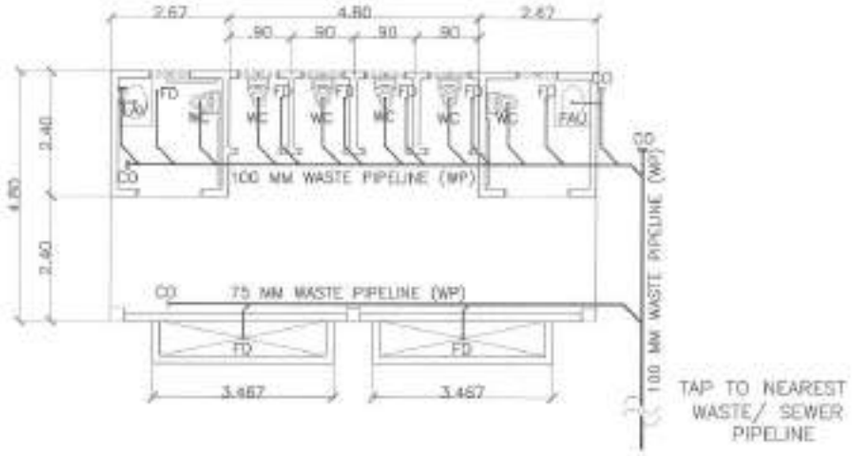
SUBMITTED BY:
ENGR. LEO B. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. BAGANI R. VERZOSA, JR.

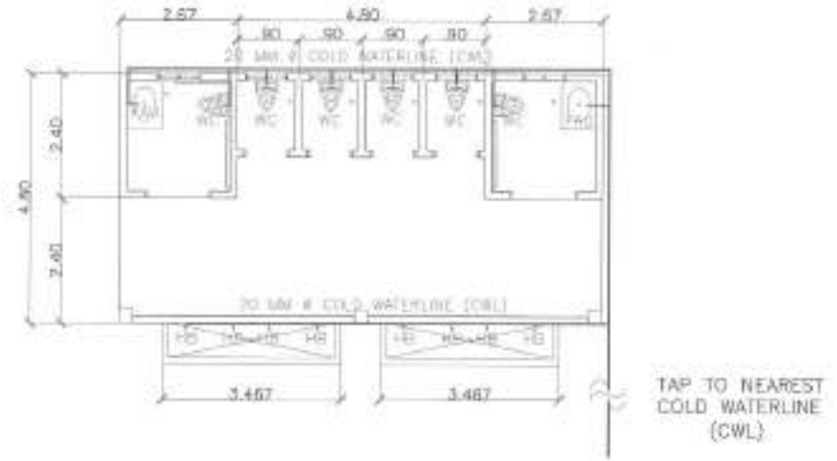
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
SCHEDULE OF DOORS & WINDOWS (DEPED CR BLDG. 8)

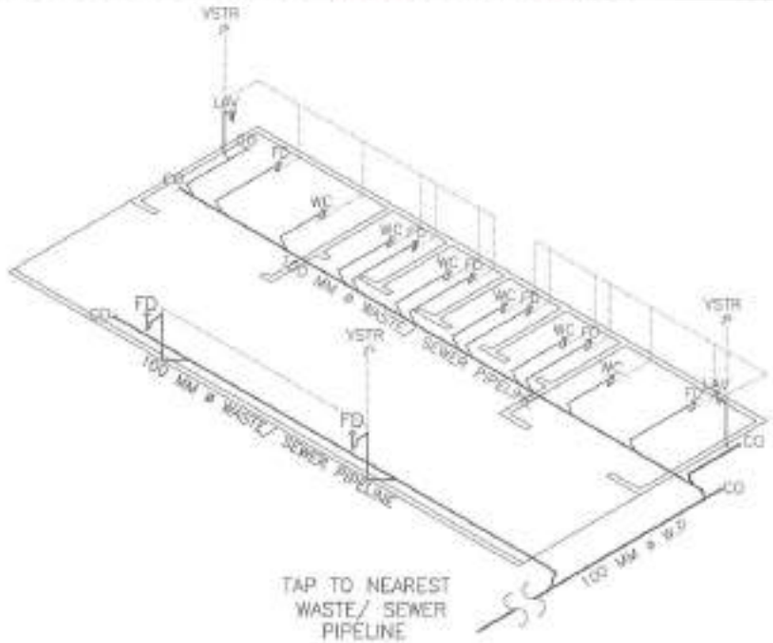
SHEET NO.
AR-27
44 65



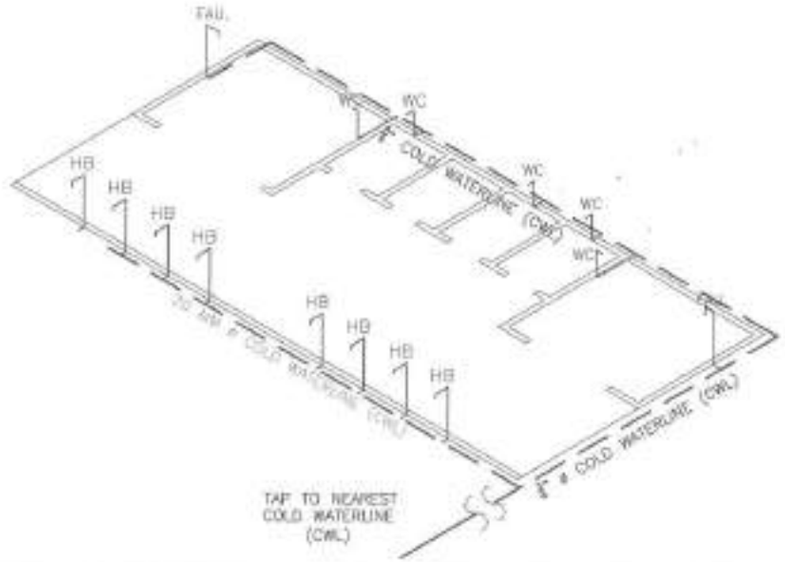
1 WASTE/ SEWER LAYOUT (DEPED CR BLDG. 8) SCALE: 1:75 METERS



2 WATERLINE LAYOUT (DEPED CR BLDG. 8) SCALE: 1:75 METERS



3 WASTE/ SEWER ISOMETRIC LAYOUT (DEPED CR BLDG. 8)



4 WATERLINE ISOMETRIC LAYOUT (DEPED CR BLDG. 8)

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. ROXAS/SAN PEDRO, DISTRICT 6, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY: ✓
REVISIONS:

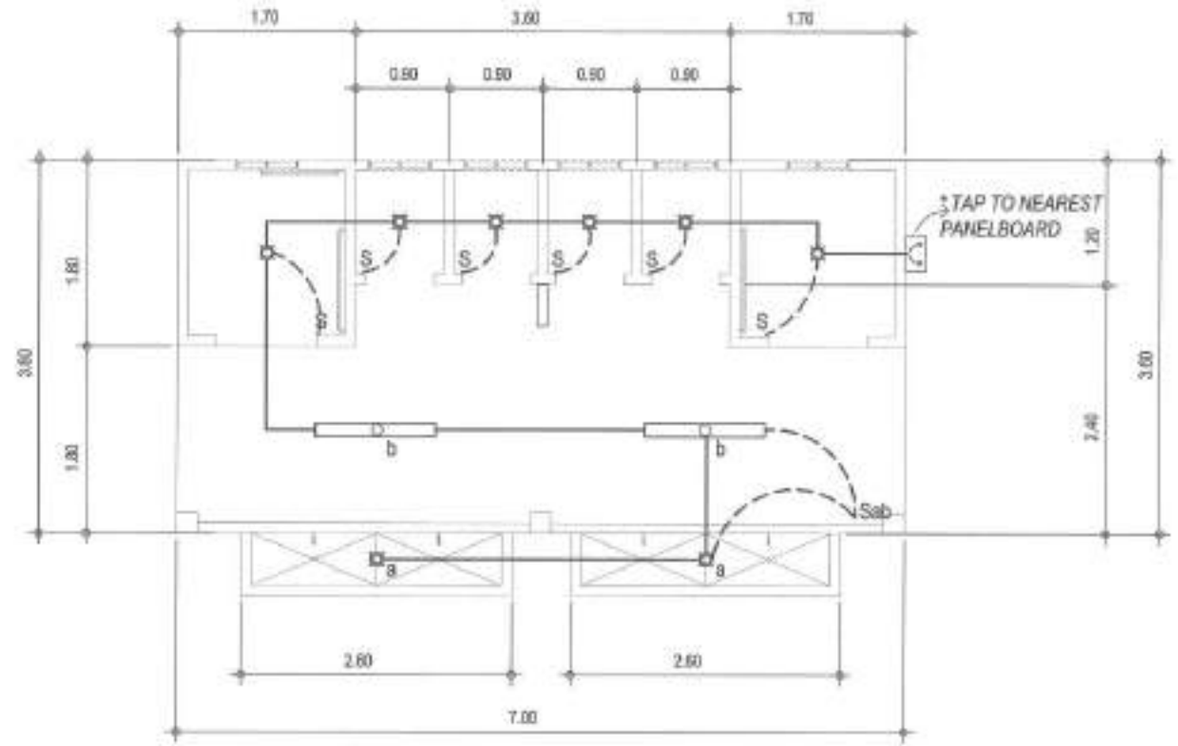
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
REGL. PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGUNI R. VERZOSA, JR.
OIC-CITY ENGINEERING DIVISION

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
(DEPED CR BLDG. 8) WASTE / SEWER / WATER LINE LAYOUT
WASTE/ SEWER / WATER LINE ISOMETRIC LAYOUT

SHEET NO.
PL-07
45 | 65



	LED PINLIGHT
	LED TUBELIGHT w/ FIXTURE
	ENCLOSED CIRCUIT BREAKER

1 DEPED CR BUILDING 8 COMFORT ROOM LIGHTING LAYOUT

SCALE: 1:50 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY

DRAWN BY: RGP/JR
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
MGR, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

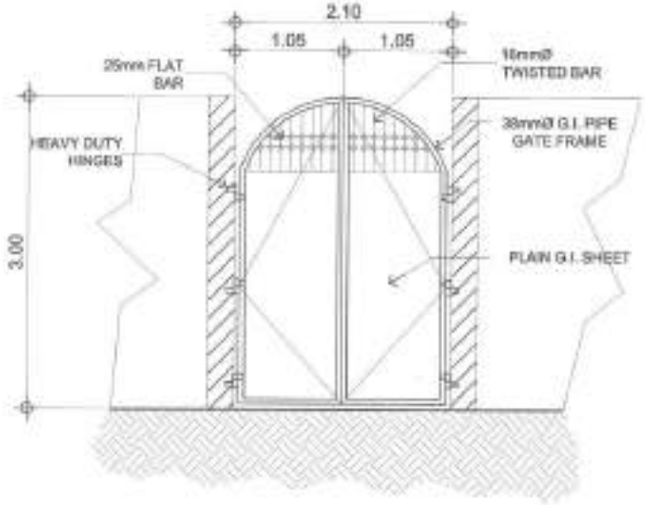
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
DEPED CR BLDG. 8 ELECTRICAL LIGTHING LAYOUT

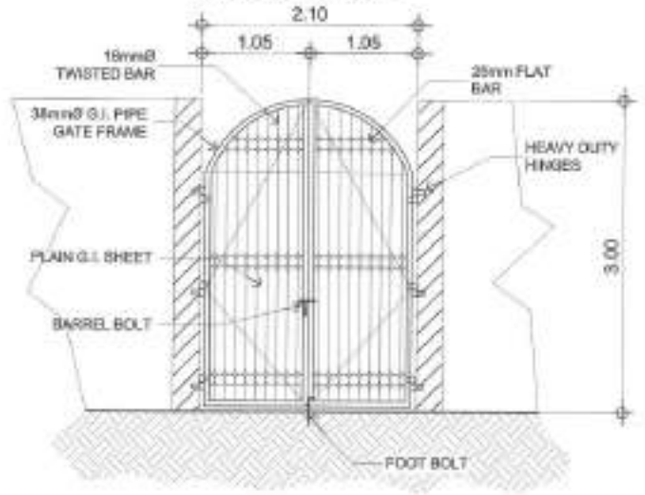
SHEET NO.
EL-12
46 | 65

1 EMERGENCY GATE PERSPECTIVE NTS

FRONT VIEW GATE



REAR VIEW GATE



2 EMERGENCY GATE DETAIL SCALE1:50n

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. BONALICHEO PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY: DAA/MMN
DATE:
CHECKED BY:
REVISION NO.:

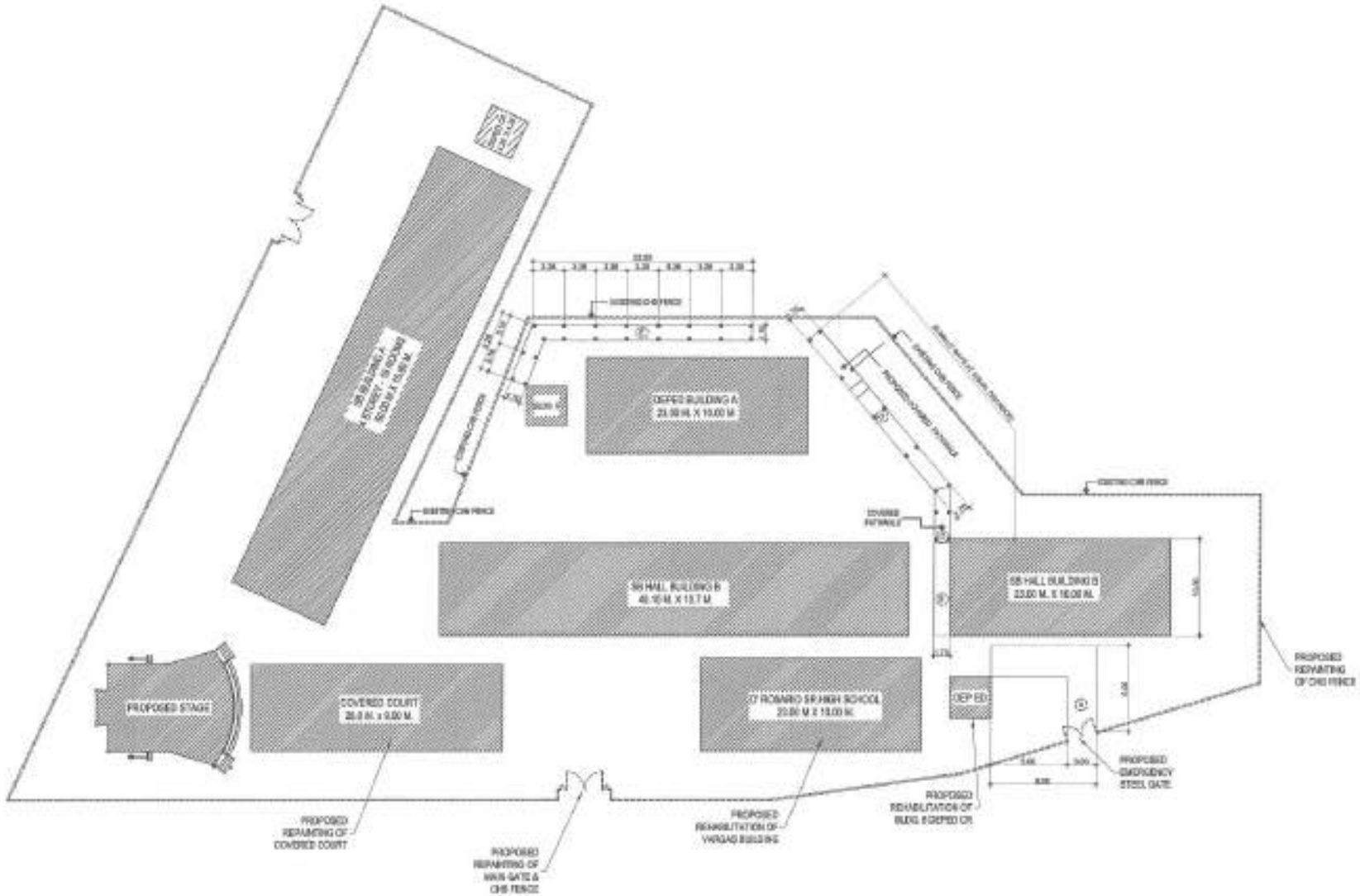
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. BAGANI R. VERZOSA, JR.
SCHOOL ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
EMERGENCY GATE PERSPECTIVE
EMERGENCY GATE DETAIL

SHEET NO.
AR-28
47 65



1 COVERED PATHWALK PLAN

SCALE: 1:75 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY: MMM
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

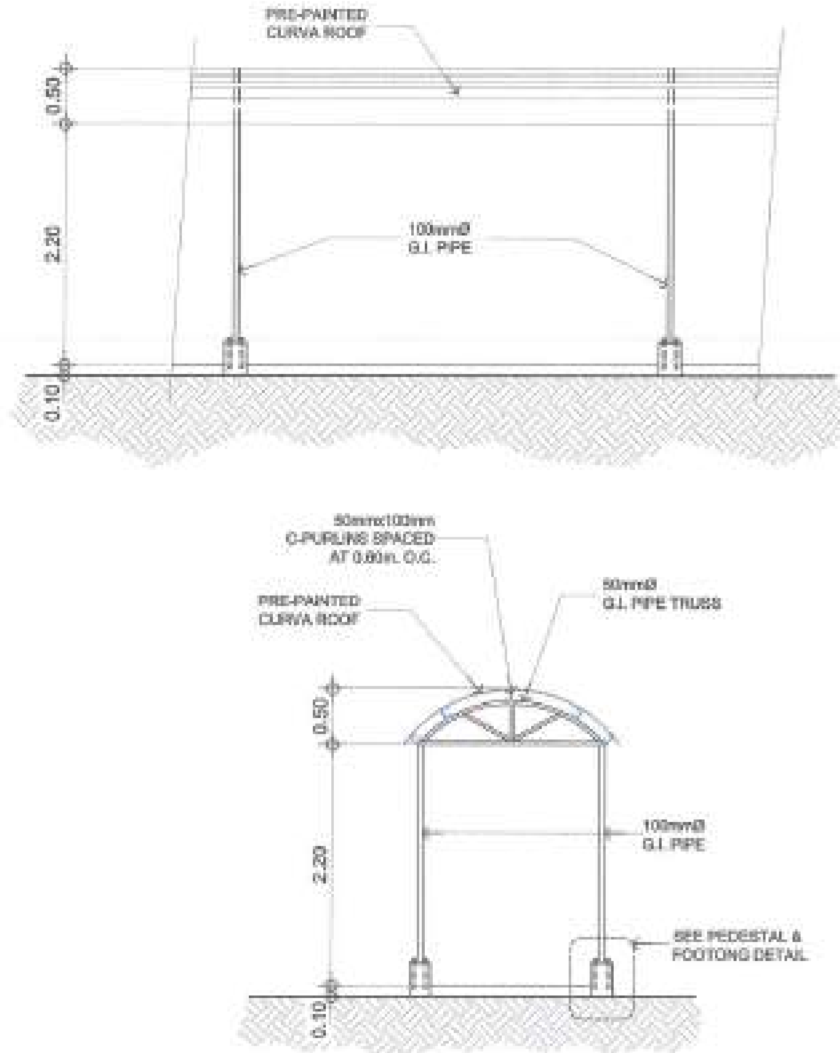
RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
COVERED PATHWALK PLAN

SHEET NO.:
AR-29
48 65

1 COVERED PATHWALK PERSPECTIVE NTS



2 ELEVATION AND SECTION (COVERED PATHWALK) SCALE 1:50m

Republika ng Pilipinas Lungsod ng Quezon **CITY ENGINEERING DEPARTMENT**	PROJECT TITLE: **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL** LOCATION: BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY	DRAWN BY: DATE: CHECKED BY: REVISION NO.:	SUBMITTED BY: **ENGR. LEO S. DEL ROSARIO**	RECOMMENDING APPROVAL: **ENGR. ISAGANI R. VERZOSA, JR.**	APPROVED BY: **HON. MA. JOSEFINA G. BELMONTE**	SHEET CONTENT: COVERED PATHWALK PERSPECTIVE ELEVATION AND SECTION (COVERED PATHWALK)	SHEET NO. AR-30 49 65

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS:

LOCATION	STRENGTH	MAX SIZE OF AGGREGATES	MAX SLUMP
A.SLAB ON GRADE, CURBS, PAVEMENTS, WALL FOOTING	[illegible]	[illegible]	[illegible]
B.BEAMS, COLUMNS, FOOTINGS, SUSPENDED SLAB	[illegible]	[illegible]	[illegible]

3. [illegible]
4. [illegible]
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:
   - CONCRETE DEPOSITED DIRECTLY AGAINST GROUND [illegible]
   - SUSPENDED SLABS [illegible]
   - SLAB ON GRADE [illegible]
   - WALLS ABOVE GRADE [illegible]
   - BEAMS & COLUMNS [illegible]
6. [illegible]
7. ALL ANCHOR BOLTS DOWELS AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. [illegible] THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. [illegible]
10. STRIPPING OF FORMS AND SHORES:
    - FOUNDATION ——— [illegible]
    - SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED ——— [illegible] DAYS
    - WALL ——— 21 DAYS
    - BEAMS ——— [illegible] DAYS
    - COLUMNS ——— 21 DAYS
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]

FOUNDATION

11. [illegible]
12. [illegible]
13. [illegible]

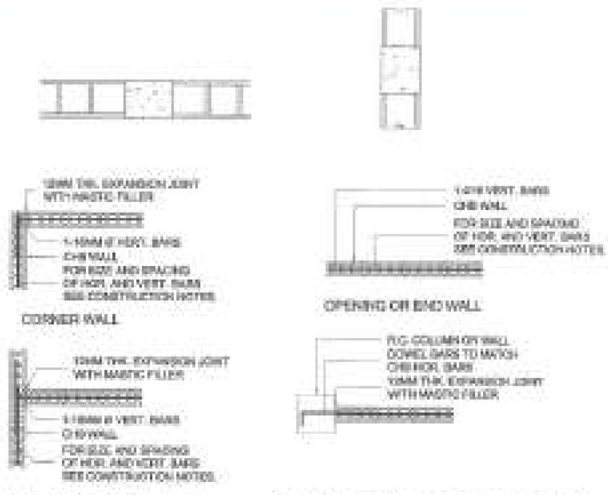
NOTES ON MASONRY WALLS

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

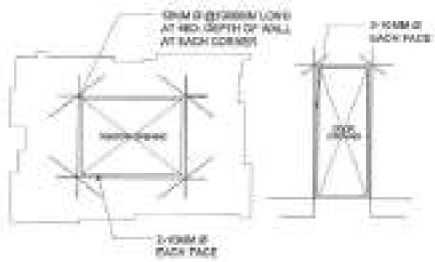
SCHEDULE OF CONCRETE HOLLOW BLOCK AND CERAMIC BLOCK REINFORCEMENT			
BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	

TESTING & COMMISSIONING WORKS:

1. [illegible]



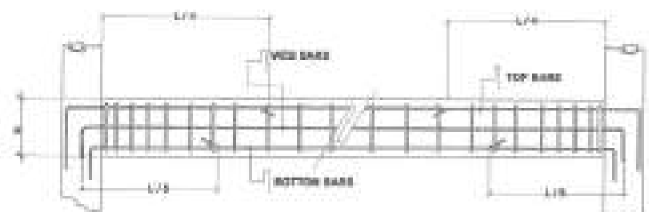
TYPICAL CONNECTION DETAIL OF MASONRY WALL



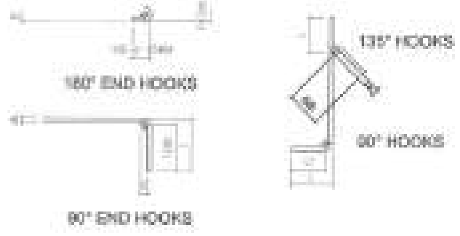
TYPICAL EXTERIOR WINDOW AND DOOR OPENING

NOTES ON STIRRUPS

1. [illegible]
2. [illegible]
3. [illegible]

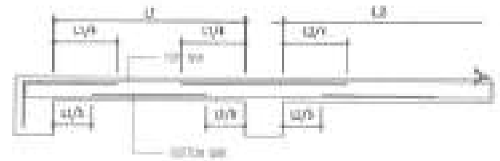


STANDARD DETAIL OF BEAM



NOTES ON CONCRETE SLABS:

1. [illegible]
2. [illegible]



TYPICAL BAR BENDING AND CUTTING DETAILS FOR SLABS:

3. [illegible]
4. [illegible]

	MINIMUM TEMPERATURE BARS
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

5. [illegible]
6. [illegible]
7. [illegible]

TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT

1 GENERAL NOTES

NOT TO SCALE

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

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BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

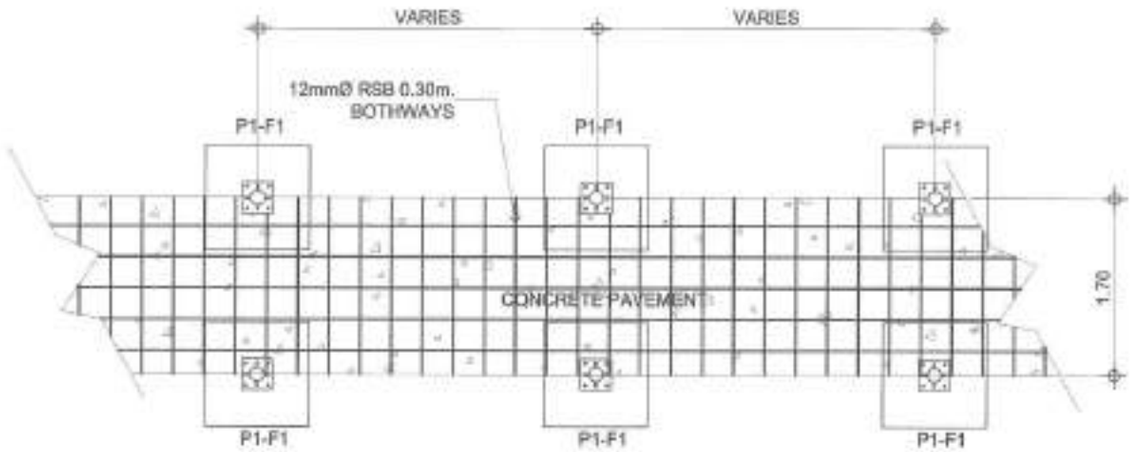
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. [illegible] R. VERZOSA, JR.

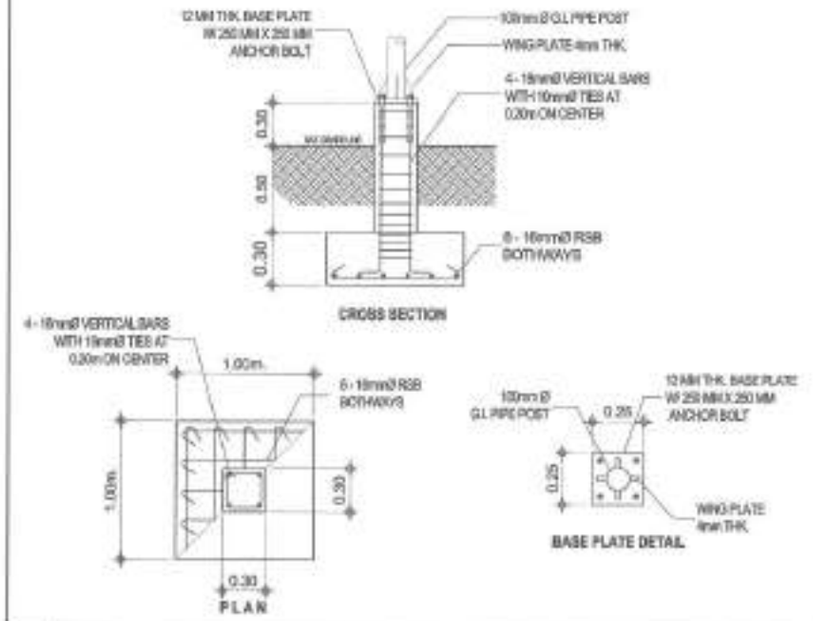
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT: GENERAL NOTES

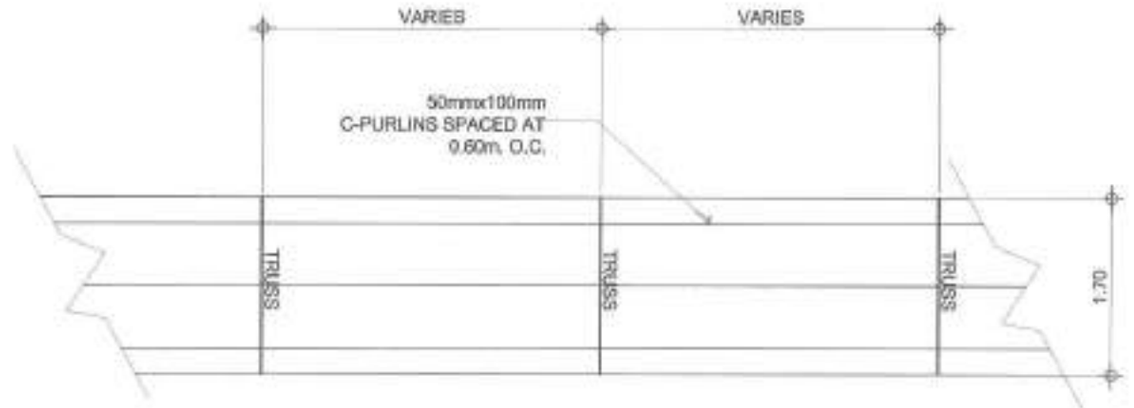
SHEET NO.: ST-01
50 / 68



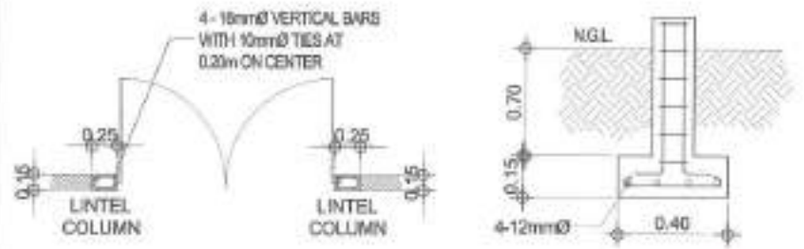
1 FOUNDATION PLAN (COVERED PATHWALK) SCALE1:50m.



3 PEDESTAL & FOOTONG DETAIL (COVERED PATHWALK) SCALE1:00m



2 ROOF FRAMING PLAN (COVERED PATHWALK) SCALE1:50m



4 COLUMN & FOOTING DETAIL (EMERGENCY GATE) SCALE1:30m.

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LOCATION
BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY: MMM
DATE:
CHECKED BY:
REVISION NO.

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. JERGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

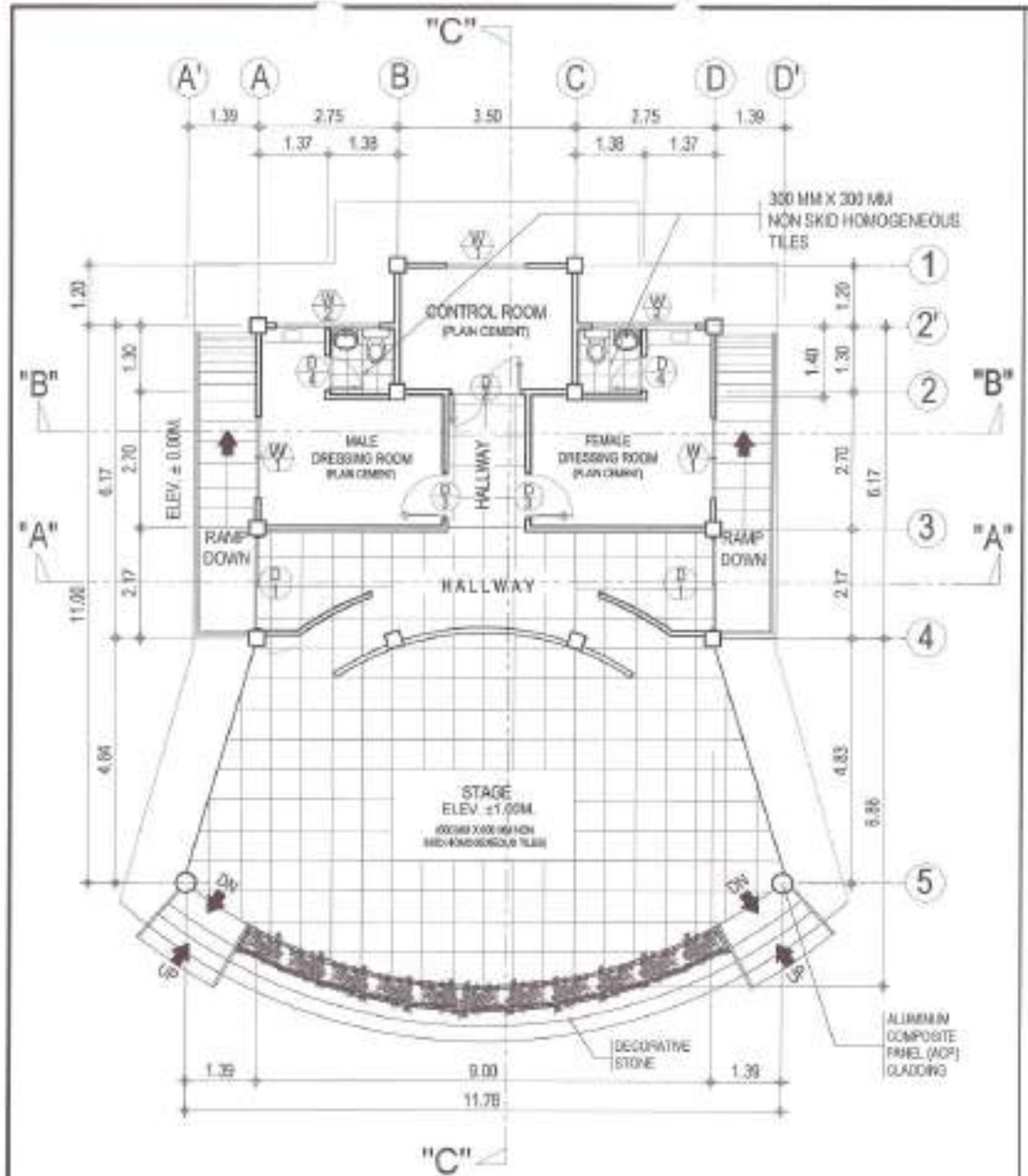
SHEET COVERS:
(COVERED PATHWALK)
-FOUNDATION PLAN
-ROOF FRAMING
-PEDESTAL & FOOTONG DETAIL
COLUMN & FOOTING DETAIL
EMERGENCY GATE)

SHEET NO.
ST-02
51 65

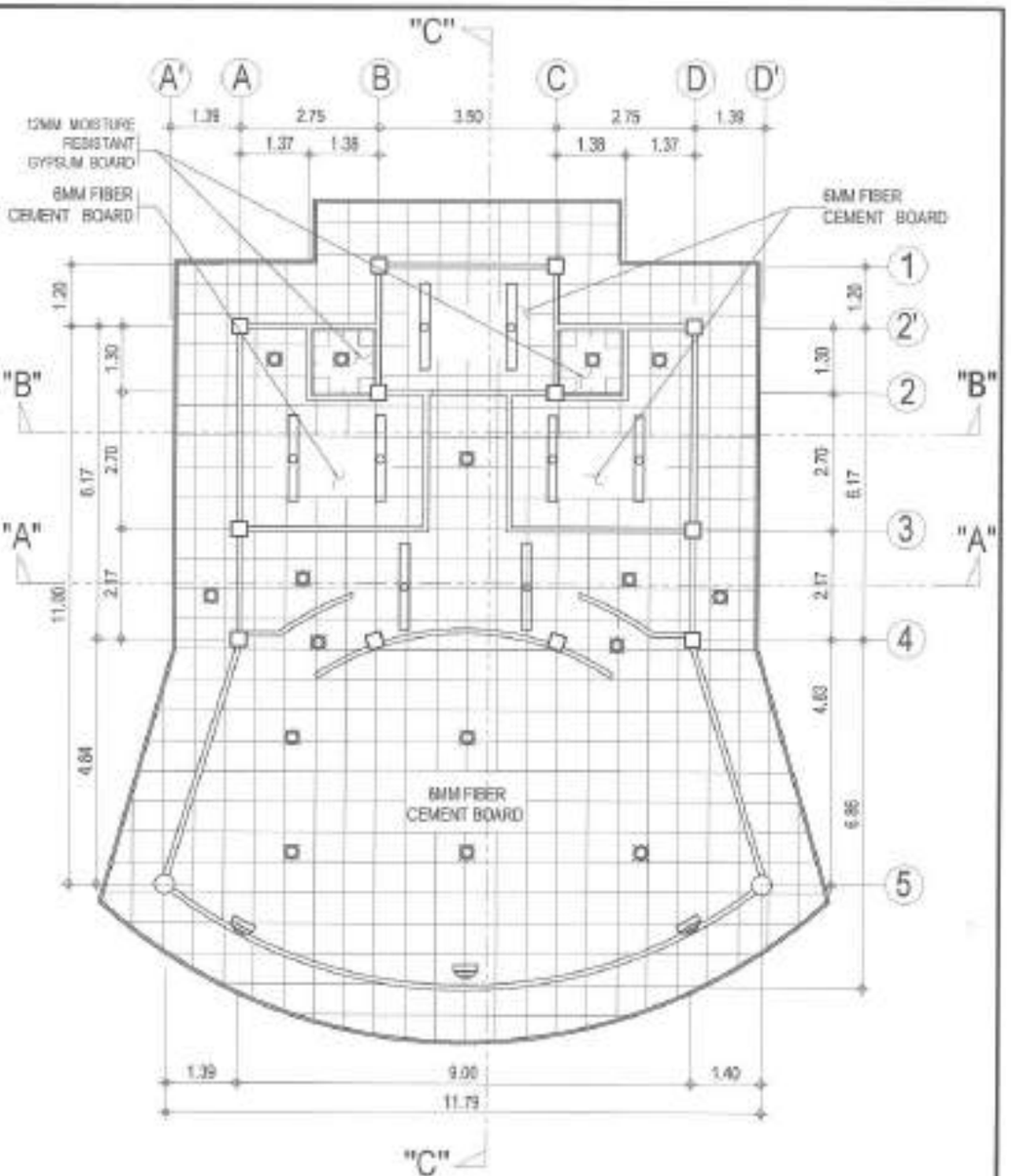
1 **PERSPECTIVE (STAGE)**

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE: PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL	DRAWN BY:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO, MGR. PLANNING PROGRAMMING DIVISION	RECOMMENDING APPROVAL: ENGR. BAGANI R. VERZOSA, JR., OIC-CITY ENGINEER/DEPUTY HEAD	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE, CITY MAYOR, QUEZON CITY	SHEET CONTENT: PERSPECTIVE	SHEET NO.: AR-31 (52/65)
LOCATION: BRGY. NOVALICHES PROPER, DISTRICT II, QUEZON CITY	DATE:					
	CHECKED BY:					
	REVISIONS:					



1 **FLOOR PLAN (STAGE)** SCALE 1:100 METERS



2 **CEILING PLAN (STAGE)** SCALE: 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISIONS:

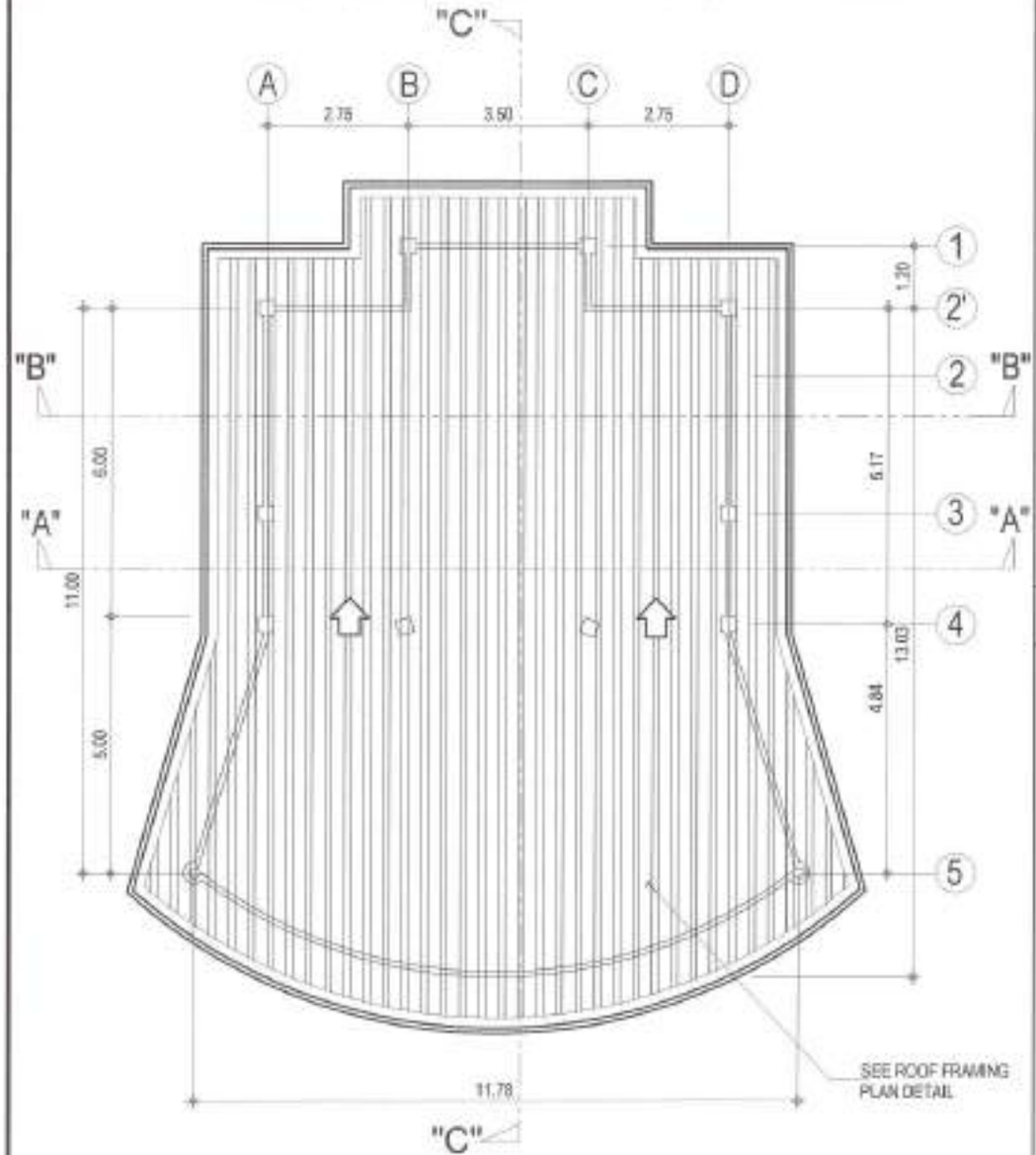
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. RAMON R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

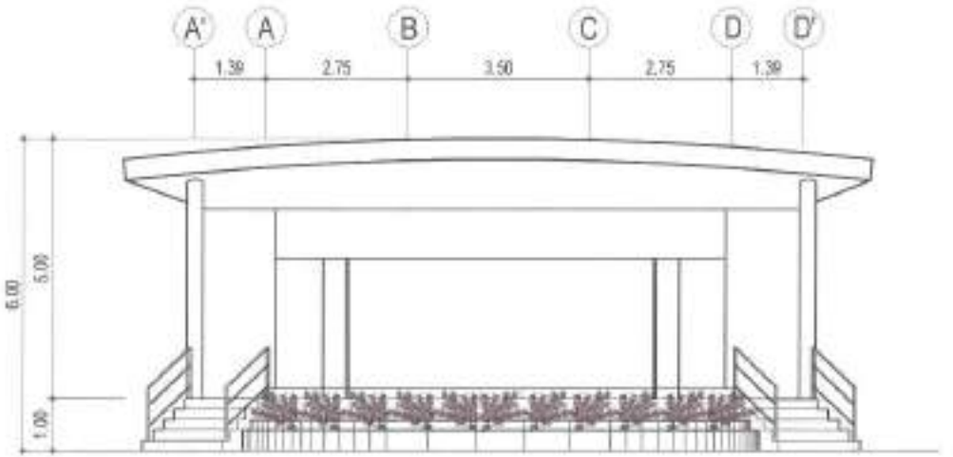
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
FLOOR PLAN (STAGE)
REFLECTED CEILING PLAN (STAGE)

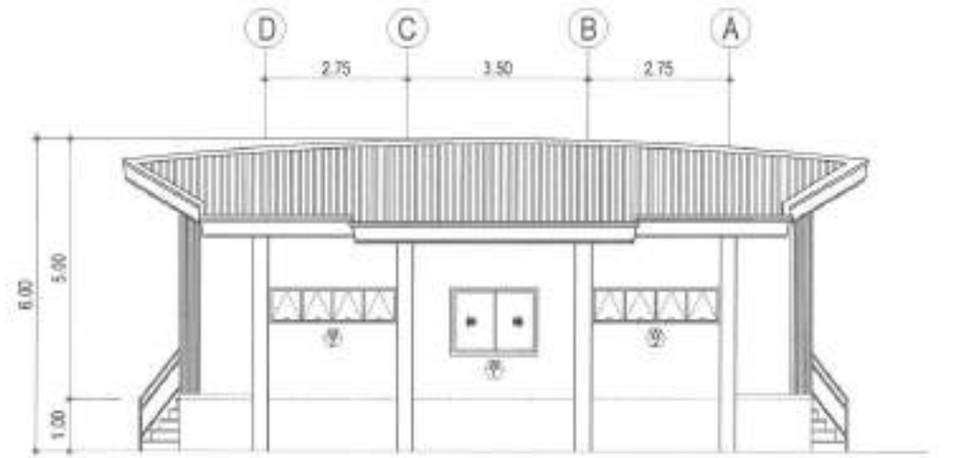
SHEET NO.
AR-32
53 | 65



1 **ROOF PLAN (STAGE)** SCALE: 1:100 METERS



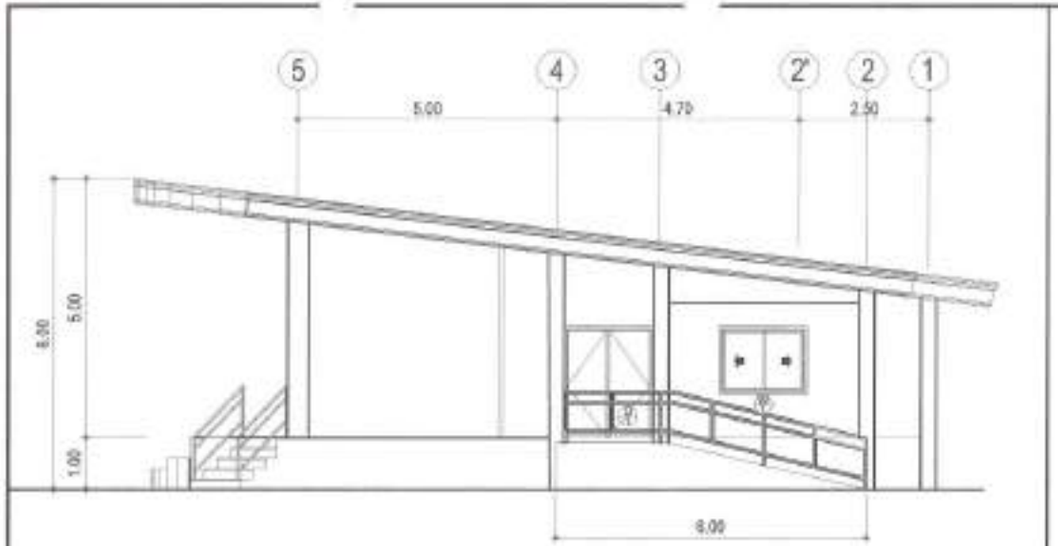
2 **FRONT ELEVATION** SCALE: 1:100 METERS



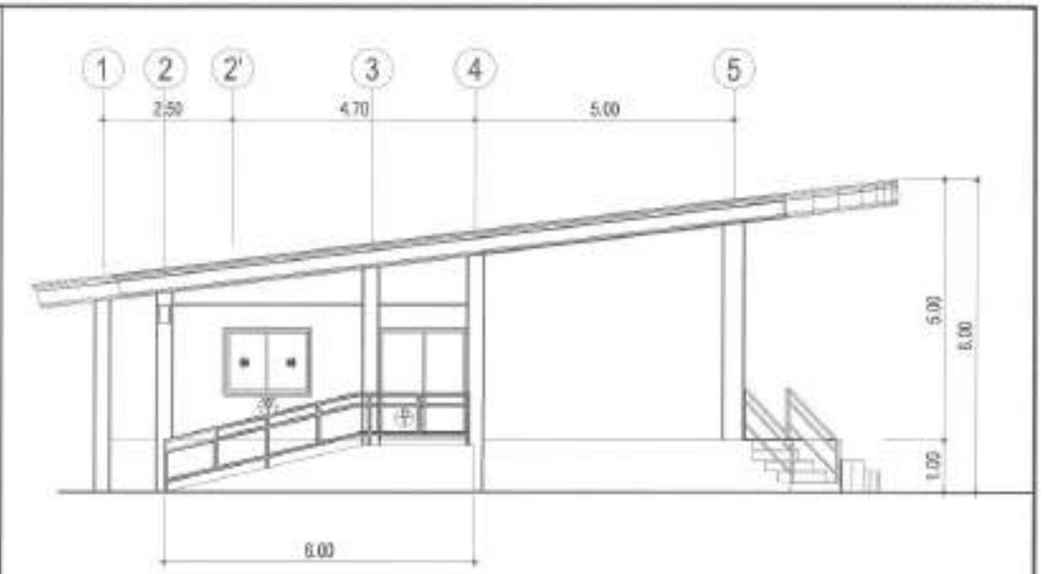
3 **REAR ELEVATION** SCALE: 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

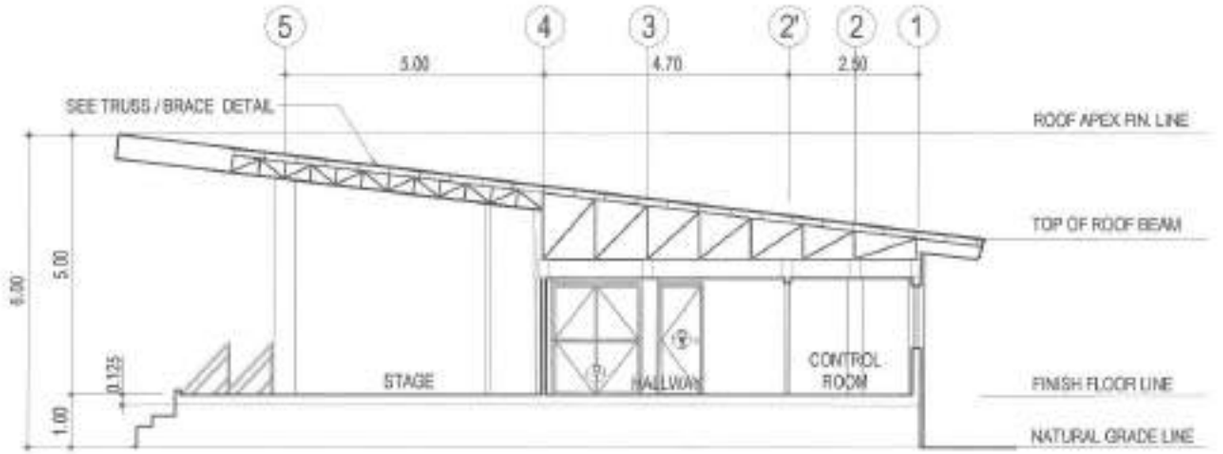
PROJECT TITLE: PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL	DRAWN BY:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. HAGANI R. VERZOSA, JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT: ROOF PLAN, FRONT ELEVATION, REAR ELEVATION	SHEET NO: AR-33
LOCATION: BRGY. BOWALIGHES PROPER, DISTRICT 6, QUEZON CITY	DATE:					54 65
	CHECKED BY:					
	REVISION NO.:					



1 RIGHT SIDE ELEVATION SCALE: 1: 100 METERS



2 LEFT SIDE ELEVATION SCALE: 1: 100 METERS



3 LONGITUDINAL SECTION SCALE: 1: 100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. KAMUNING PROPER, DISTRICT 3, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.

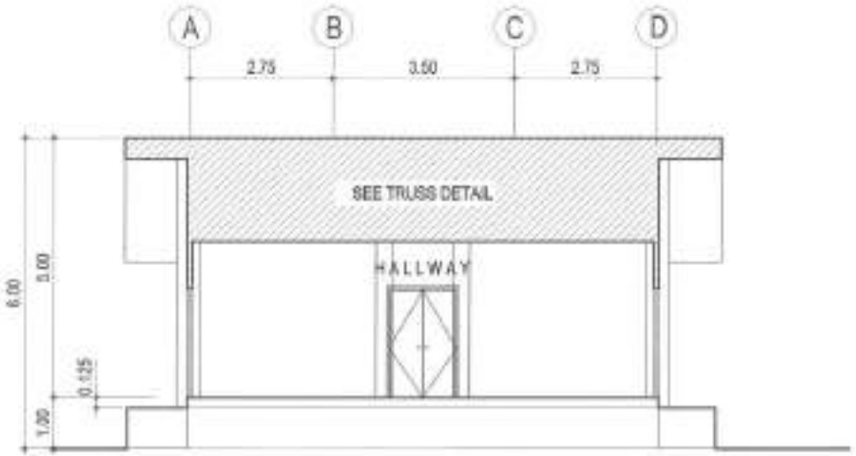
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. JOAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

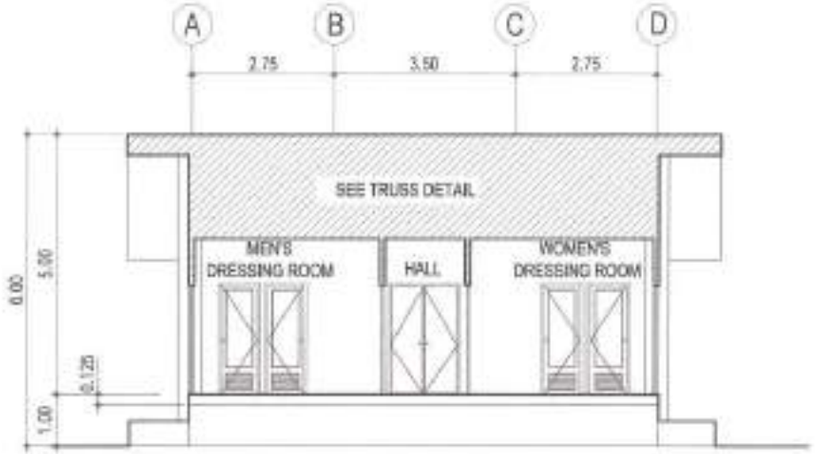
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
(STAGE)
FRONT ELEVATION
RIGHT SIDE ELEVATION
LEFT SIDE ELEVATION

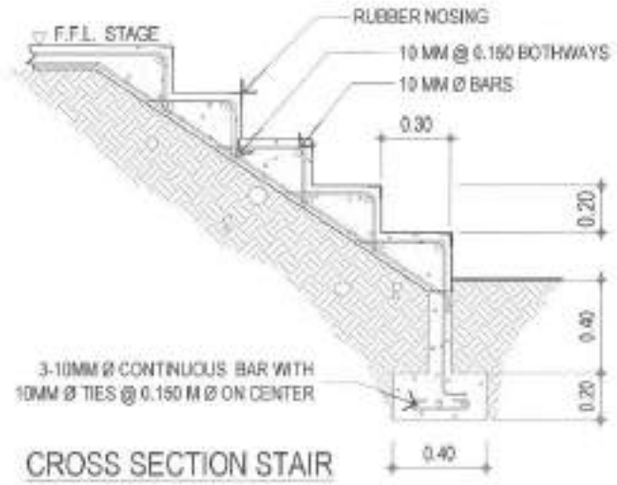
SHEET NO.
AR-34
55 | 65

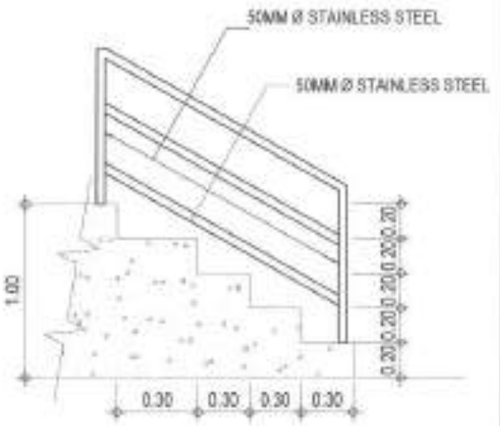


1 CROSS SECTION THRU "A"-"A" SCALE: 1: 100 METERS

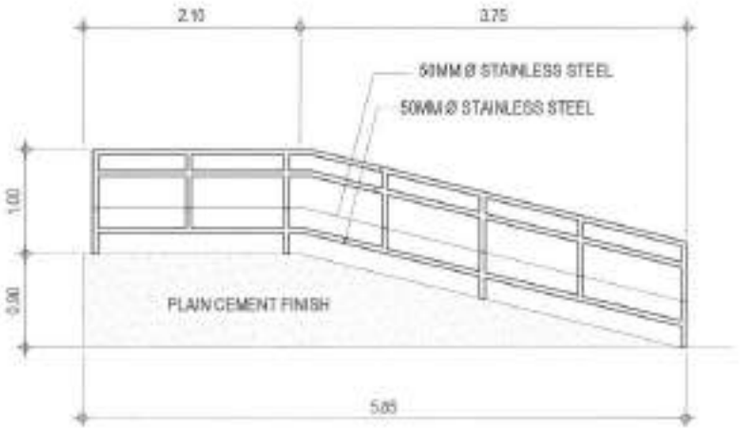


2 CROSS SECTION THRU "B"-"B" SCALE: 1: 100 METERS





3 STAIRS DETAIL NOT TO SCALE:



4 RAMP DETAIL NOT TO SCALE:

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION:
BRGY. KOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

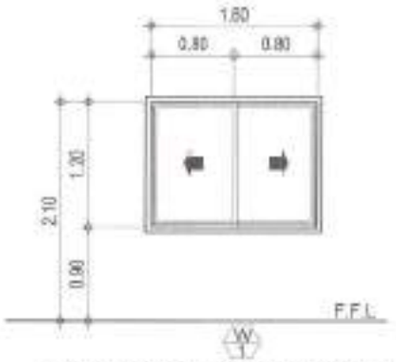
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC-CITY ENGINEER/CONCURRENT

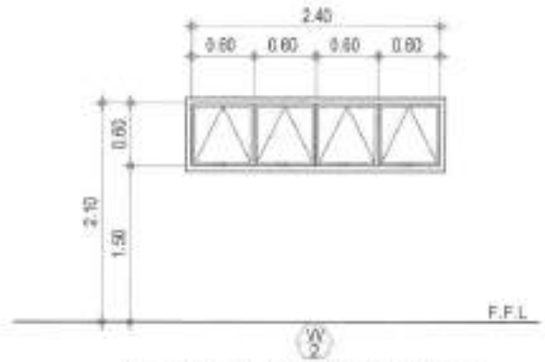
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
LONGITUDINAL SECTION THRU "C"-"C"
CROSS SECTION THRU "A"-"A"
CROSS SECTION THRU "B"-"B"
RAMP DETAIL

SHEET NO.
AR-35
56 | 65



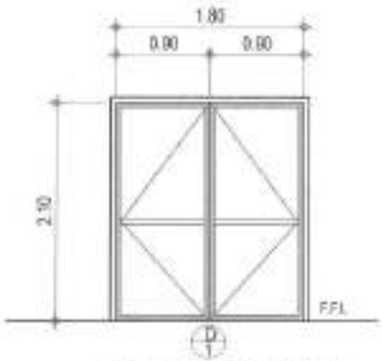
LOCATION : CONTROL ROOM AND DRESSING ROOMS (FEMALE/ MALE)
TYPE : ALUMINUM FRAME SLIDING WINDOW
SET : 3



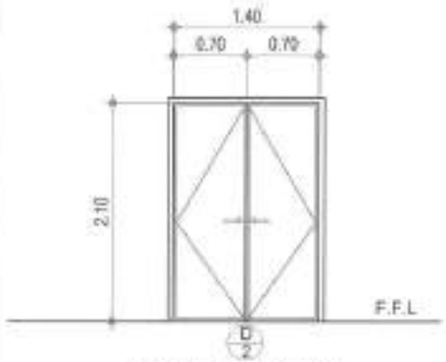
LOCATION : DRESSING ROOMS (MALE/FEMALE)
TYPE : ALUMINUM FRAMED AWNING WINDOW
SET : 2

1 SCHEDULE OF WINDOWS

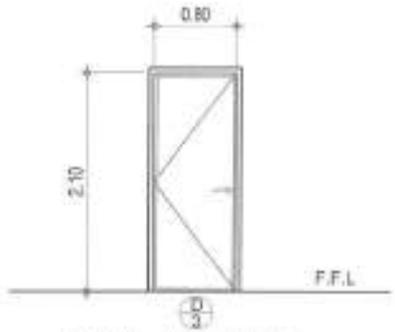
SCALE: 1:50 METERS



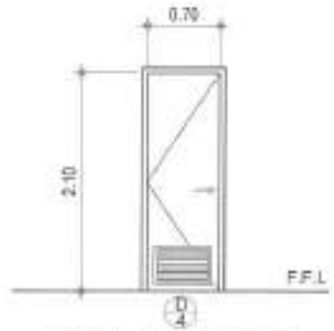
LOCATION : FIRE ESCAPE (NEAR RAMP)
TYPE : METAL FIRE DOOR WITH PANIC HARDWARE
SET : 2



LOCATION : CONTROL ROOM
TYPE : ALUMINUM SWING DOOR DOOR WITH 10 MM. THICK GLASS
SET : 1



LOCATION : DRESSING ROOM
TYPE : ALUMINUM SWING DOOR DOOR WITH 10 MM. THICK GLASS
SET : 2



LOCATION : DRESSING ROOM / CR (FEMALE/ MALE)
TYPE : PVC DOOR WITH LOUVER
SET : 2

2 SCHEDULE OF DOORS

SCALE: 1:50 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. KOVALICHES PROPER, DISTRICT II , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

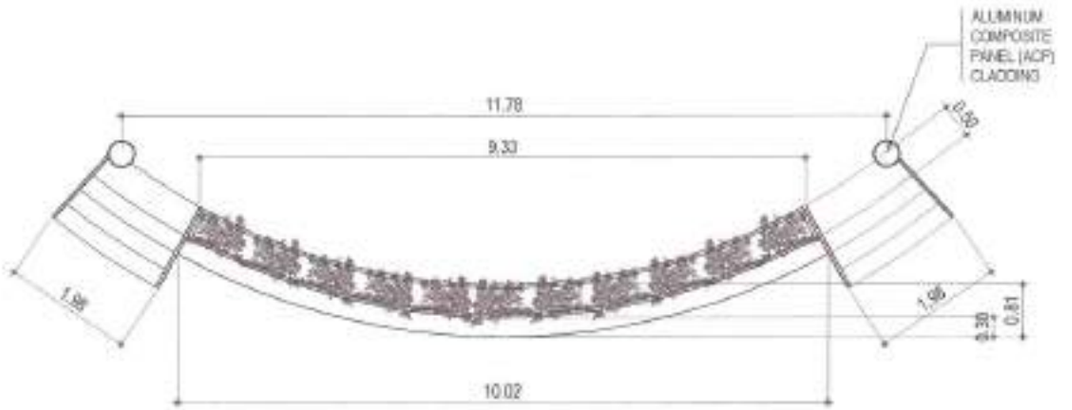
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
DEPUTY PROGRAMMING DEPARTMENT

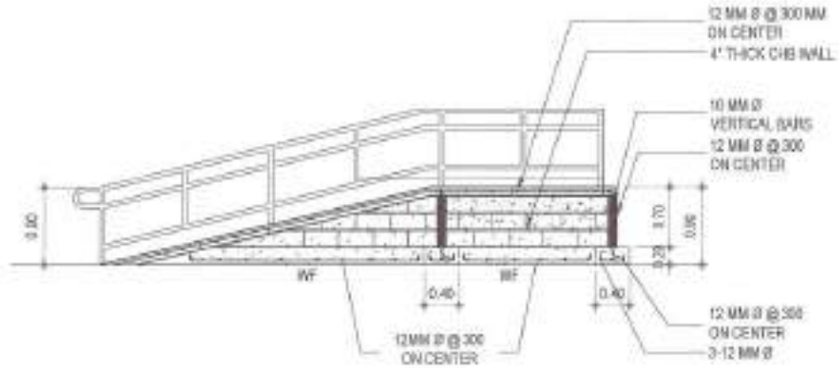
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
SCHEDULE OF WINDOWS AND SCHEDULE OF DOORS

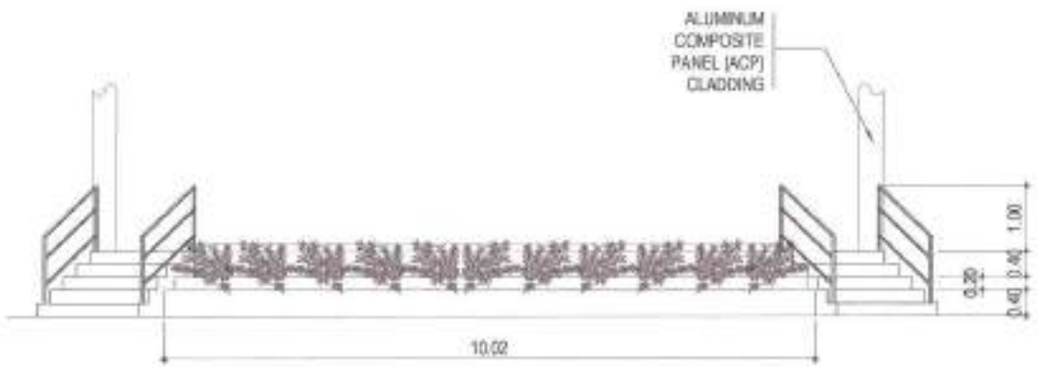
SHEET NO.
AR-36
57 | 65



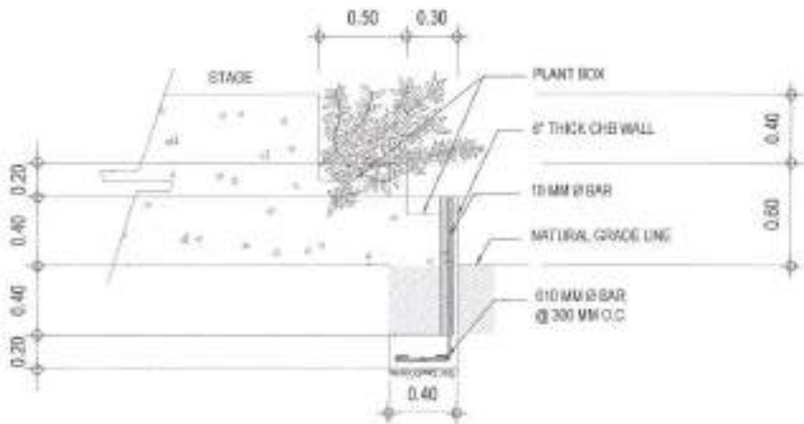
1 **PLAN (PLANT BOX)** SCALE: 1:80 METERS



3 **DETAIL OF RAMP** SCALE: 1:60 METERS



2 **FRONT ELEVATION (PLANT BOX)** SCALE: 1:80 METERS



3 **SECTIONAL ELEV. (PLANT BOX)** SCALE: 1:80 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:

DATE:

CHECKED BY:

DESIGN NO.:

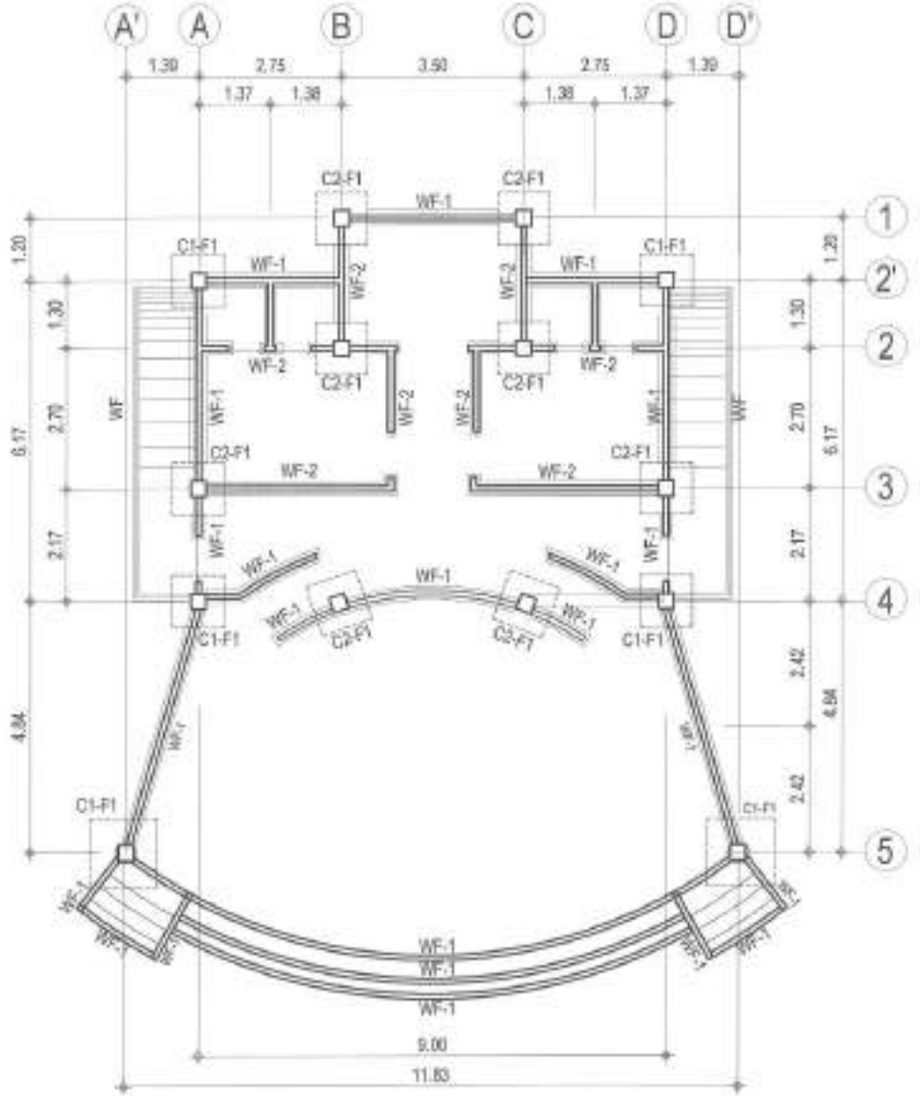
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING AND PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

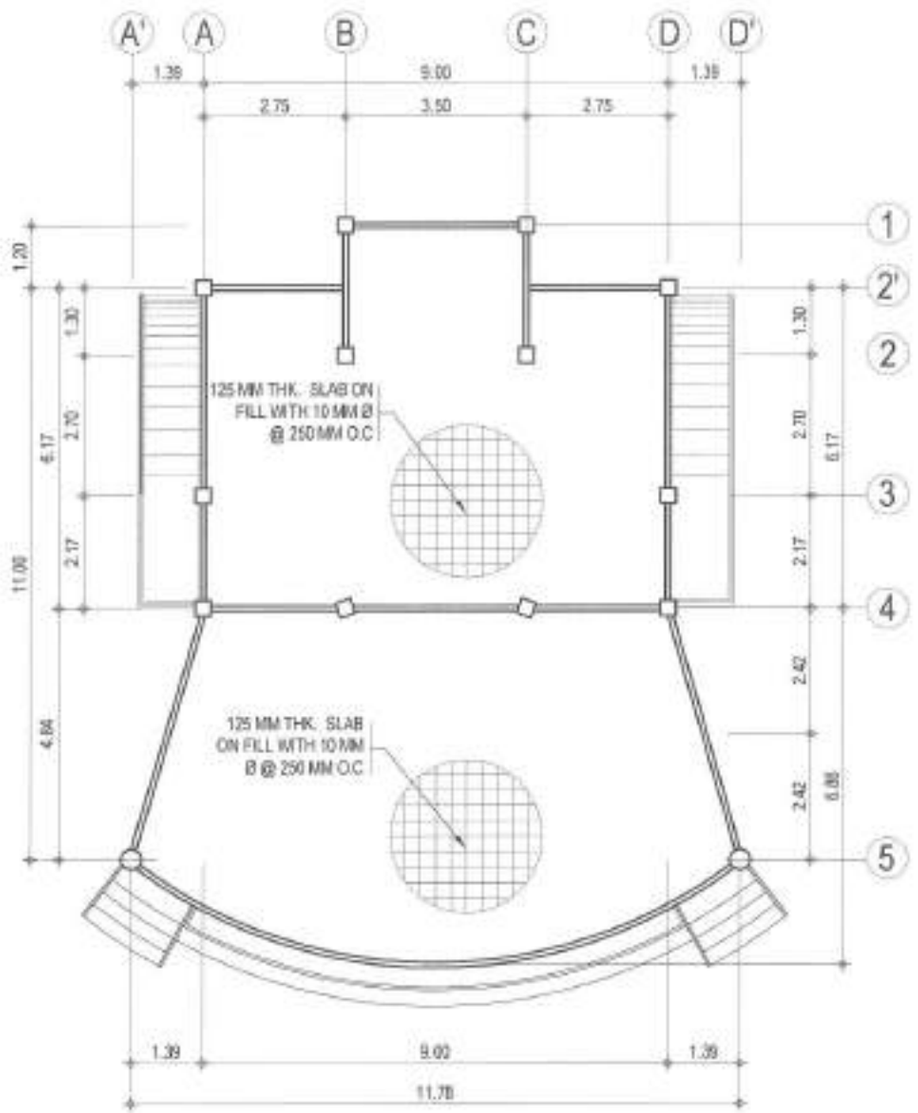
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
PLAN (PLANT BOX)
FRONT ELEVATION (PLANT BOX)
DETAIL OF RAMP
SECTIONAL ELEVATION (PLANT BOX)

SHEET NO.
AR-37
58 | 65



1 **FOUNDATION PLAN** SCALE: 1:100 METERS



2 **FLOOR FRAMING PLAN** SCALE: 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. KEMALUCHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

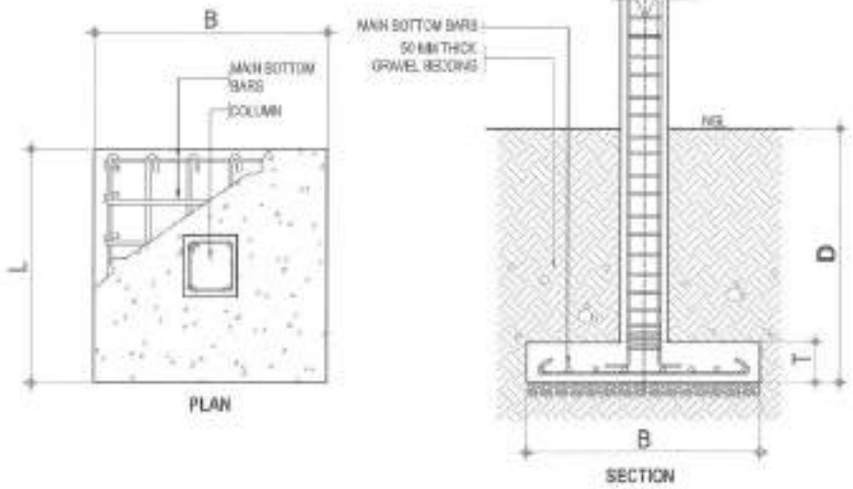
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. BAGANI R. VERZOSA, JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
OFFICER, QUEZON CITY

SHEET CONTENT:
(STAGE)
FOUNDATION PLAN
FLOOR FRAMING PLAN

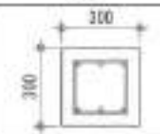
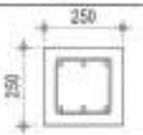
SHEET NO.
ST-03
59 | 65



MARK	DIMENSION (MM)			REINFORCEMENTS		D	REMARKS
	B	L	T	ALONG B	ALONG L	MM	
F1	1000	1000	300	8 - 16 MM Ø	8 - 16 MM Ø	1000	SQUARE FOOTING

1 COLUMN FOOTING DETAIL

SCALE: NOT TO SCALE

MARK	C-1	C-2
FOUNDATION TO ROOF BEAM		
MAIN REINF.	6 - 16 MM Ø	6- 16 MM Ø
COLUMN TIES	10 MM Ø, 1 @ 0.05M, 2 @0.10 M, 3 @ 0.15 M, REST @ 0.20 M	10 MM Ø, 1 @ 0.05 M, 2 @ 0.10 M, 3 @ 0.15 M, REST @ 0.20 M

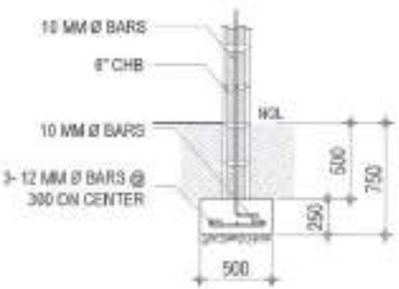
2 SCHEDULE OF COLUMNS

SCALE: 1:150 METERS

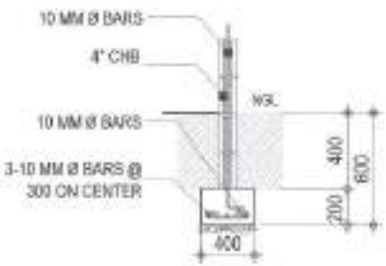
BEAM	DIMENSIONS		BAR Ø	TOP BARS			BOTTOM BARS			STIRRUPS
MARK	B (MM)	H (MM)		LEFT SUP.	MID SPAN	RIGHT SPAN	LEFT SUP.	MID SPAN	RIGHT SPAN	10 MM Ø DEF.
RB-1	300	400	16	5	3	5	3	5	3	1 @ 50, 4 @100 , REST @ 200 ON CENTER

3 TYPICAL BEAM DETAIL SCHEDULE OF BEAM

SCALE: NOT TO SCALE



WF-1



WF-2

4 WALL FOOTING DETAILS

SCALE: 1:150 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY:

DATE:

CHECKED BY:

REVISION NO.:

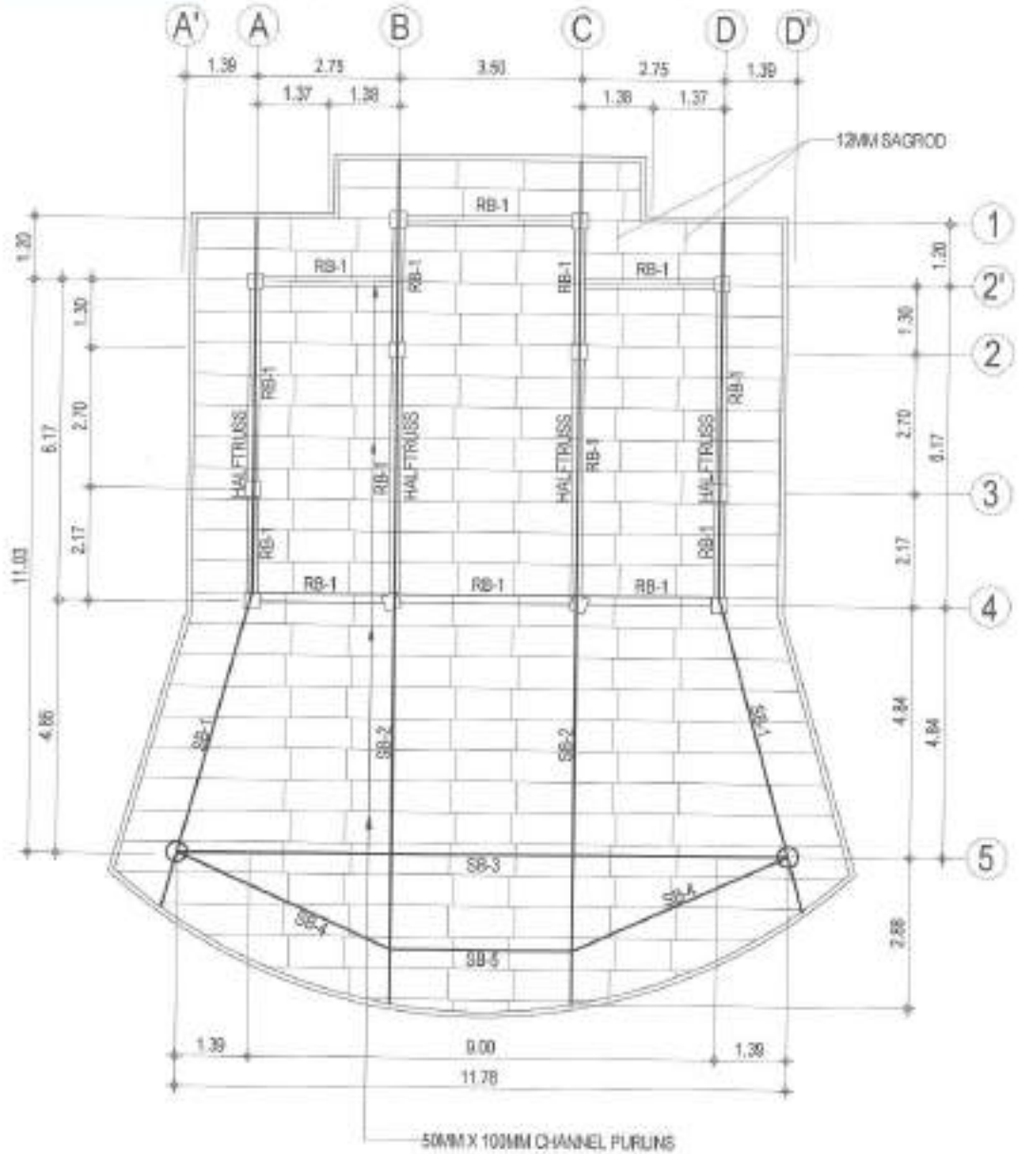
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

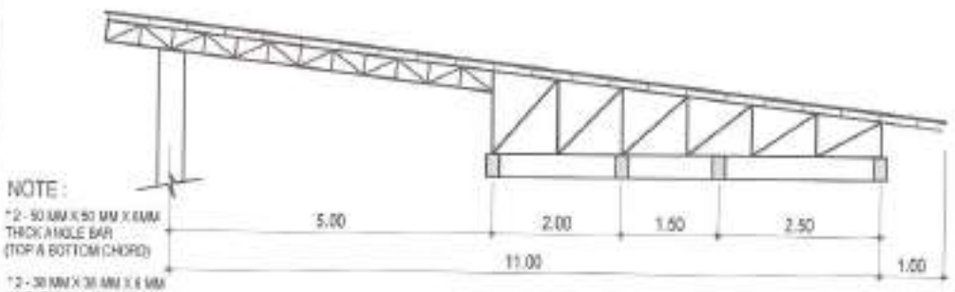
SHEET CONTENT:
COLUMN FOOTING DET. SCHEDULE OF COLUMN TYPICAL SLAB DETAIL WALL FOOTING DETAILS (WF-1, WF-2)

SHEET NO.
ST-04
60 | 65



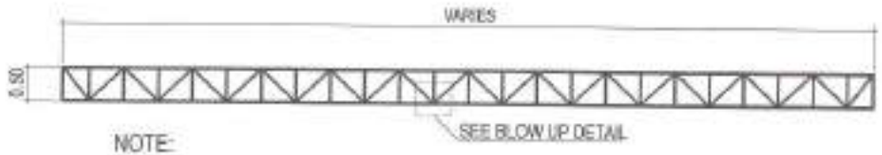
1 ROOF FRAMING PLAN

SCALE: 1:100 METERS



2 TYPICAL TRUSS DIAGRAM

SCALE: 1:60 METERS



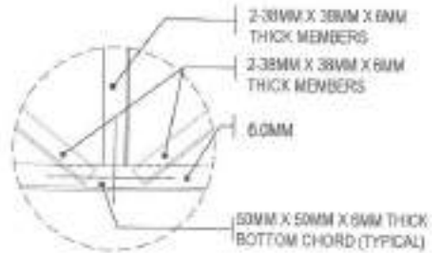
NOTE:

2-50 MM X 50 MM X 6MM THICK ANGLE BAR (TOP/ BOTTOM CHORD)

2-38 MM X38 MM X 6MM ANGLE BAR (WEB MEMBER)

3 SWAY BRACE DETAIL

NOT TO SCALE



NOTE :

* 2 - 50 MM X 50 MM X 6MM THICK ANGLE BAR (TOP & BOTTOM CHORD)

* 2 - 38 MM X 38 MM X 6 MM ANGLE BAR (WEB MEMBER)

* 50 MM X 100 MM C-PURLINS @ 600 MM SPACING ON CENTER

4 BLOW UP (TRUSS DETAIL)

NOT TO SCALE

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

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LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT II , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

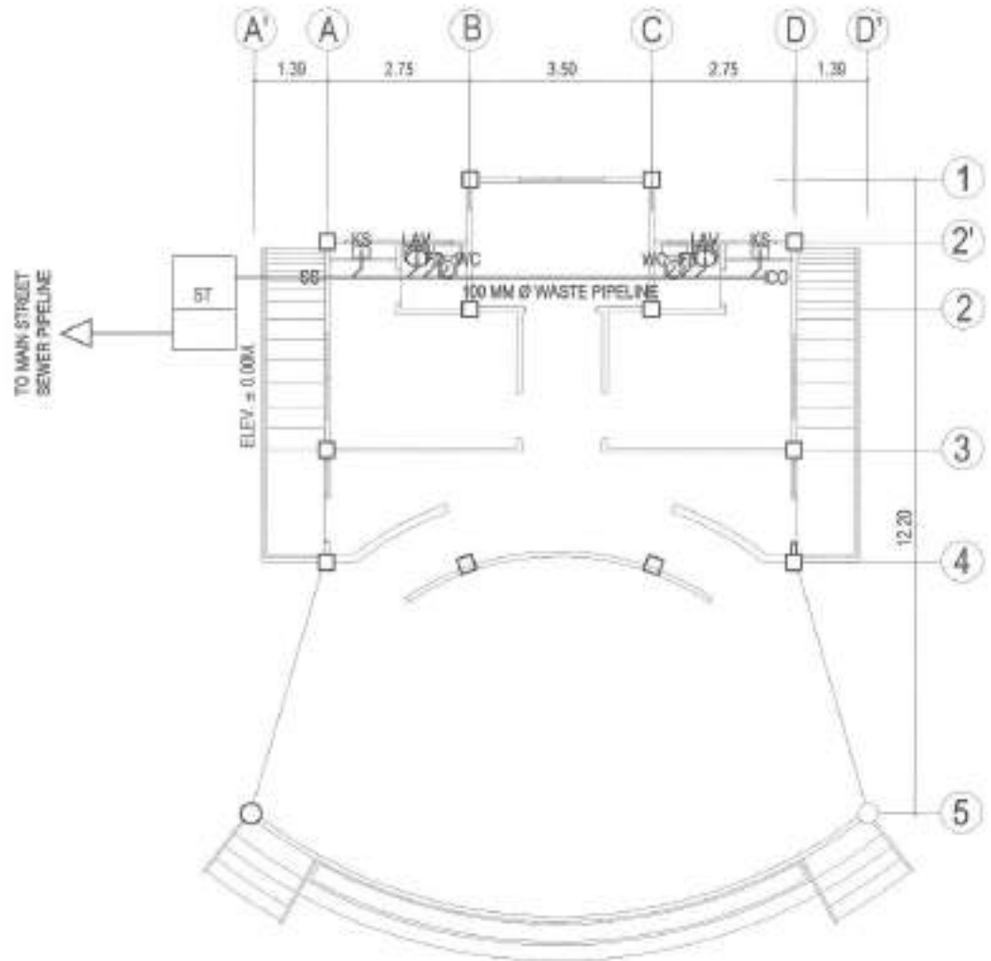
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

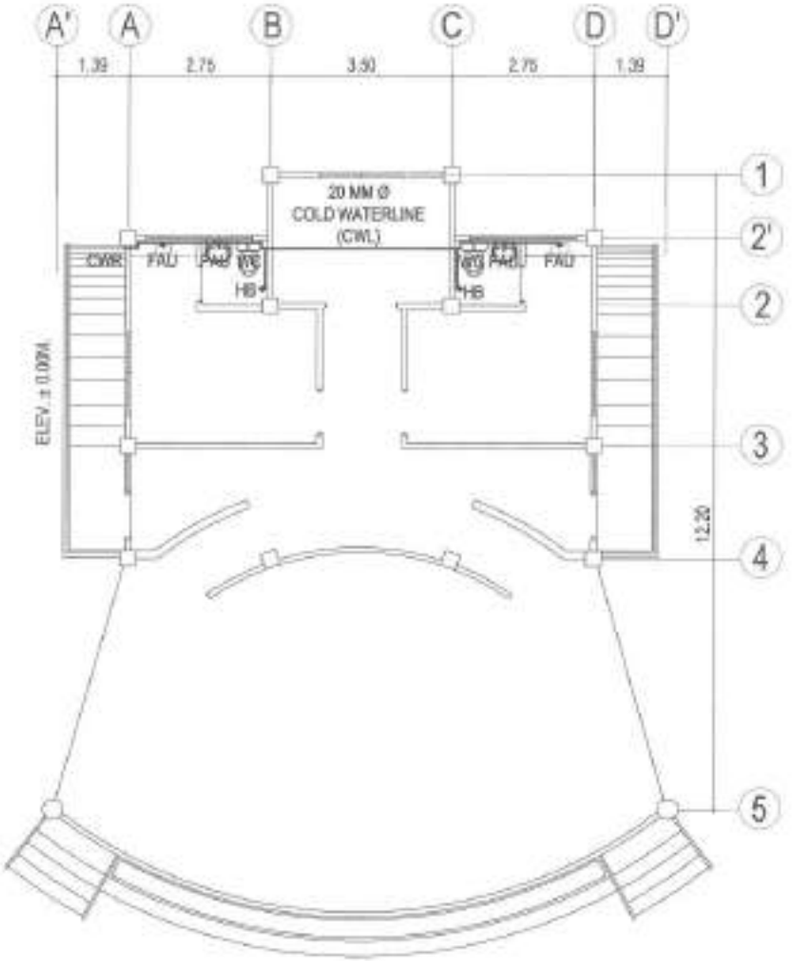
APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
ROOF FRAMING PLAN
TYPICAL TRUSS DIAGRAM
SWAY BRACE DETAIL
BLOW UP (TRUSS DETAIL)

SHEET NO.
ST-05
61 65



1 **SEWER/ WASTE & DRAINAGE LAYOUT** SCALE: 1:100 METERS



2 **WATERLINE LAYOUT** SCALE: 1:100 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. SOVALICHES PROPER, DISTRICT 5 , QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

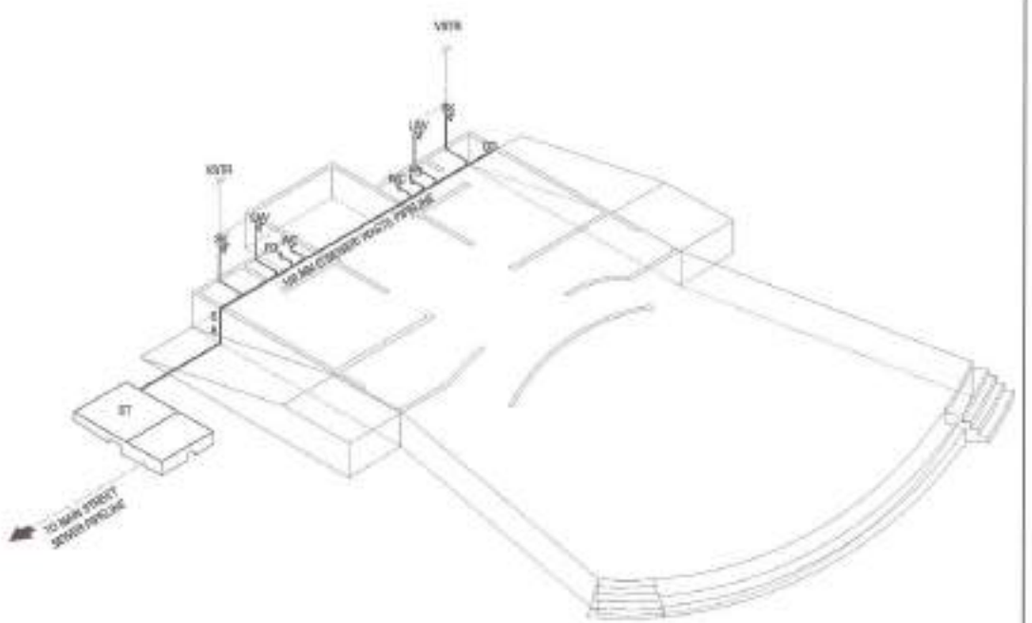
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING AND DESIGN

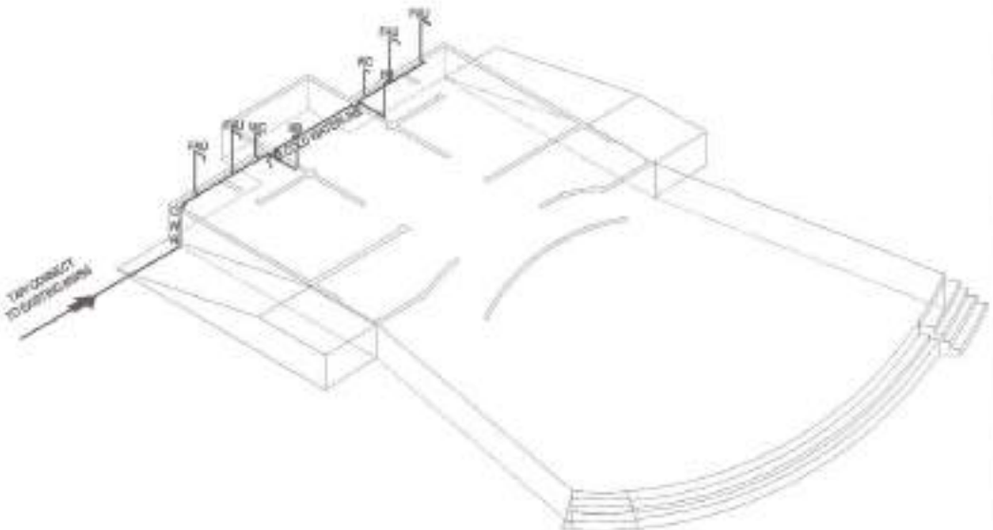
RECOMMENDING APPROVAL:
ENGR. ISABANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
SEWER/ WASTE AND DRAINAGE LAYOUT, WATERLINE LAYOUT

SHEET NO.:
PL-08
62 | 65





1	SEWER/ WASTE & DRAINAGE ISOMETRIC LAYOUT	SCALE: 1:150 METERS	2	WATERLINE ISOMETRIC LAYOUT	SCALE: 1:150 METERS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. BONIFACIO PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

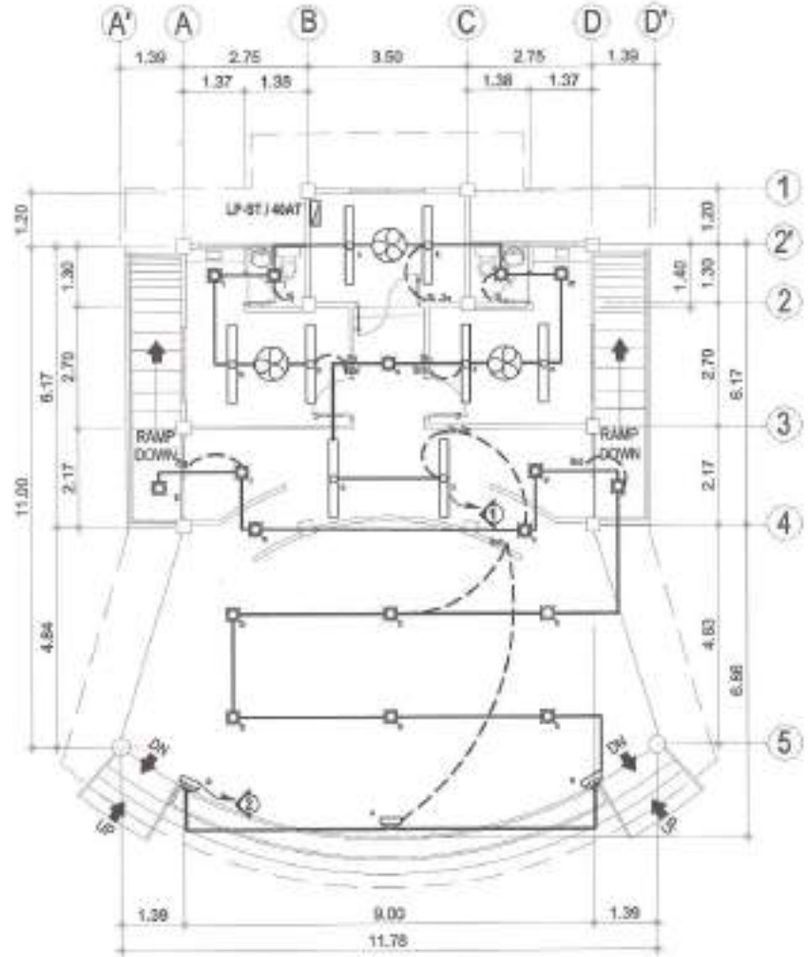
SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

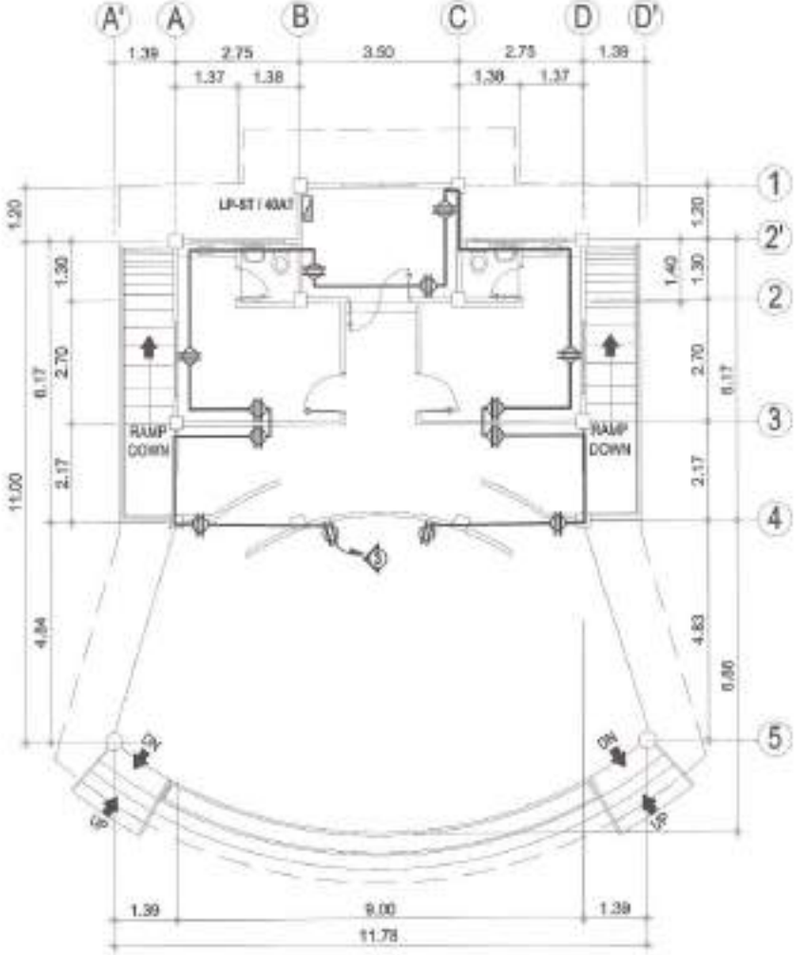
SHEET CONTENT:
SEWER/ WASTE & DRAINAGE ISOMETRIC LAYOUT, WATERLINE ISOMETRIC LAYOUT

SHEET NO.
PL-09
63 | 65



ORBIT FAN	
	LED FLOOD LIGHT
	LED PINLIGHT
	LED TUBELIGHT w/ FIXTURE
	PANELBOARD

1 STAGE LIGHTING LAYOUT SCALE: NTS



	PANELBOARD
	DUPLEX OUTLET

2 STAGE POWER LAYOUT SCALE: NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL
LOCATION: BRGY. BONIFACIO PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY: DMN
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
STAGE LIGHTING LAYOUT
STAGE POWER LAYOUT

SHEET NO.
EL-13
64 | 65

PANEL : LP-CC (COVERED COURT)
LOCATION: COVERED COURT [illegible]

MAIN: 80 AT, 2P IN SURFACE MOUNTED NEMA 1 ENCLOSURE

	LOAD DESCRIPTION	VOLTS	VOLT AMPERE	AMPERE	CIRCUIT BREAKER	SIZE OF WIRES	SIZE OF CONDUITS
1	8 - LED FLOOD LIGHT	230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	10 - WEATHERPROOF DUPLEX OUTLET	230	[illegible]	7.83	[illegible]	[illegible]	[illegible]
3	STAGE	230	[illegible]	24.87	40 AT 2P, BOLT ON	[illegible]	[illegible]
4	SPACE	230					
				38.91			

COMPUTATION :

IT = (8950 / 230 V)

IT = 38.91 AMPERES

OVER CURRENT PROTECTION:
USE : 80 AT, 2P CB BOLT-ON

MAIN FEEDER:
USE : 2 - 14mm² THHN WIRE & 1 - 5.5mm² TW GROUND WIRE IN 25mmØ IMC PIPE

DISTRIBUTION FEEDER:
CONNECTED : 2 - 8.0mm² THW WIRE & 1 - 5.5mm² TW GROUND WIRE IN FREE AIR

PANEL: LP-ST (STAGE)
LOCATION: STAGE [illegible]

MAIN: 40 AT, 2P IN SURFACE MOUNTED NEMA 1 ENCLOSURE

CKT. NO.	LOAD DESCRIPTION	VOLTS	VOLT AMPERE	AMPERE	CIRCUIT BREAKER	SIZE OF WIRES	SIZE OF CONDUITS
1	[illegible] - LIGHTING OUTLET [illegible]	230	[illegible]	[illegible]	20 AT 2P, BOLT ON	[illegible]	[illegible]
2	[illegible] - LIGHTING OUTLET [illegible] - LED FLOOD LIGHT	230	[illegible]	[illegible]	20 AT 2P, BOLT ON	[illegible]	[illegible]
3	[illegible] - DUPLEX C.O.	230	[illegible]	[illegible]	20 AT 2P, BOLT ON	[illegible]	[illegible]
	TOTAL		[illegible]	24.87			

COMPUTATION :

IT = (8950 / 230 V)

IT = 24.87 AMPERES

OVER CURRENT PROTECTION:
USE : 40 AT, 2P CB BOLT-ON

MAIN FEEDER:
USE : 2 - 8.0mm² THHN WIRE & 1 - 5.5mm² TW GROUND WIRE IN 32mmØ PVC PIPE

1 SCHEDULE OF LOADS & COMPUTATIONS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF DOÑA ROSARIO HIGHSCHOOL

LOCATION:
BRGY. NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

DRAWN BY : [illegible]
DATE :
CHECKED BY :
REVISION NO. :

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
[illegible] PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. [illegible] R. VERZOSA, JR.
[illegible]

APPROVED BY :
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT:
SCHEDULE OF LOADS & COMPUTATIONS
-COVERED COURT
-STAGE
-VARGAS BUILDING

SHEET NO.
EL-14
65 65

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.

PROJECT TITLE : **PROPOSED REHABILITATION OF DOÑA ROSARIO HIGH SCHOOL**

LOCATION : **BARANGAY NOVALICHES PROPER, DISTRICT 5, QUEZON CITY**

PROJECT NO. : **21 - 00212**

DURATION : **Two Hundred Forty (240) Calendar Days**

BREAKDOWN OF COST

ITEM NO.	ITEM OF WORK (DESCRIPTION)	MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
I	GENERAL REQUIREMENTS				
II	REHABILITATION OF VARGAS BUILDING				
III	REPAINTING OF CHB FENCE				
IV	REPAINTING OF MAIN GATE				
V	REPAINTING OF CANTEEN ROOFING				
VI	RAHABILITATION OF BASKETBALL COURT				
VII	REHABILITATION OF DEPED CR (BLDG 5)				
VIII	REHABILITATION OF DEPED CR (BLDG 8)				
IX	CONSTRUCTION OF EMERGENCY GATE				
X	CONSTRUCTION OF COVERED PATHWALK				
XI	CONSTRUCTION OF STAGE				

T O T A L C O S T ₱ _____

LUMP SUM BID IN WORDS : _____

_____

Contractor : _____

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED REHABILITATION OF DOÑA ROSARIO HIGH SCHOOL

LOCATION : BARANGAY NOVALICHES PROPER, DISTRICT 5, QUEZON CITY

PROJECT NO. : 21 - 00212

DURATION : Two Hundred Forty (240) Calendar Days

SCOPE OF WORK :

I. GENERAL REQUIREMENTS

1. General Requirements include temporary facilities and utilities, billboard, scaffolding, construction safety and health, Clearing, hauling and disposal of construction materials and debris.

II. REHABILITATION OF VARGAS BUILDING

1. Site Works include cleaning and clearing for painting preparation, removal of doors and windows, dilapidated tiles roofing, ceiling, blackboard, plumbing fixtures, chipping of concrete wall and slab for electrical and dismantling of existing main circuit breaker.
2. Civil /Structural works include thermal and moisture protection, masonry works, roofing works
3. Architectural works include floor, wall and ceiling finishes, installation of doors and windows, carpentry works and painting works
4. Plumbing Works include installation of roughing-ins, equipment, fixtures and accessories.
5. Electrical Works include roughing-ins and installation of wirings, devices, fixtures, panelboard and accessories.

III REHABILITATION OF CHB FENCE

1. Site Works include cleaning and clearing for painting preparation
2. Architectural Works include painting works

IV REHABILITATION OF MAIN GATE

1. Site Works include cleaning and clearing for painting preparation
2. Architectural Works include painting works

V REHABILITATION OF CANTEEN ROOFING

1. Site Works include cleaning and clearing for painting preparation
2. Architectural Works include painting works

VI REHABILITATION OF BASKETBALL COURT

1. Site Works include cleaning and clearing for painting preparation
2. Civil /Structural works include metal works, roofing works, and fabricated materials
3. Architectural Works include painting works.
4. Electrical Works include roughing-Ins and installation of wirings, devices, fixtures, panelboard and accessories.

VII REHABILITATION OF DEPED CR (BLDG. 5)

1 Site Works include removal of doors, windows, dilapidated tiles, roofing, plumbing fixtures and cleaning and clearing for painting preparation, chipping of concrete wall and slab, and removal of concrete slab for plumbing.

2 Civil /Structural works include concrete works, thermal and moisture protection, metal works, masonry works, and roofing works

3 Architectural Works include floor, wall and ceiling finishes, installation of doors and windows, door jambs and painting works

4 Plumbing Works include installation of roughing-ins, equipment, fixtures and accessories.

5 Electrical Works include roughing-Ins and installation of wirings, devices, fixtures, panelboard and accessories.

VIII REHABILITATION OF DEPED CR (BLDG. 8)

1 Site Works include removal of doors, windows, dilapidated tiles, roofing, plumbing fixtures and cleaning and clearing for painting preparation, chipping of concrete wall and slab, and removal of concrete slab for plumbing.

2 Civil /Structural works include concrete works, thermal and moisture protection, metal works, masonry works, and roofing works

3 Architectural Works include floor, wall and ceiling finishes, installation of doors and windows, door jambs and painting works

4 Plumbing Works include installation of roughing-ins, equipment, fixtures and accessories.

5 Electrical Works include roughing-Ins and installation of wirings, devices, fixtures, panelboard and accessories.

IX CONSTRUCTION OF EMERGENCY GATE

1. Site Works include demolition of CHB wall, site clearing and cleaning preparation, layout and staking and earthworks.
2. Civil /Structural works include concrete works, formworks, shoring, masonry works, and metal works
3 Architectural Works include painting works

X CONSTRUCTION OF COVERED PATHWALK

1. Site Works include site clearing and cleaning preparation, layout and staking, and earthworks
2 Civil /Structural works include concrete works, masonry works,metal works and roofing works
3 Architectural Works include painting works

XI CONSTRUCTION OF MAIN STAGE

1. Site Works include site clearing and cleaning preparation, layout and staking, and earthworks
2 Civil /Structural works include concrete works, masonry, thermal and moisture protection metal works, and roofing works
3 Architectural Works include floor finishes, wall finishes and partitions, ceiling finishes, installation of doors and windows and painting works
4 Plumbing Works include installation of roughing-ins, equipment, fixtures and accessories.
5 Electrical Works include roughing-Ins and installation of wirings, devices, fixtures, panelboard and accessories.

XII All necessary testing and commissioning shall be performed in accordance to standards.

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
I	**GENERAL REQUIREMENTS**				
	Billboard	1	piece	₱	₱
	Clearing, Hauling and Disposal of Construction Materials and Debris	39	t.l.		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	2028	sq.m.		
	Temporary Electrical and Water Facilities	240	day		
	Temporary Enclosure Around the Construction Area (h=2.4)	897	l.m.		
				Direct Cost I	₱
II	**REHABILITATION OF VARGAS BUILDING**				
A	SITE WORKS				
	Cleaning and Clearing for Painting Preparation	1867	sq.m.	₱	₱
	Removal of Doors	36	set		
	Removal of Windows	149	sq.m.		
	Removal of Dilapidated Tiles	192	sq.m.		
	Removal of Roofing	242	sq.m.		
	Removal of Ceiling	242	sq.m.		
	Removal of Blackboard	12	set		
	Removal of Plumbing Fixtures				
	Water Closet	12	set		
	Floor Drain	28	set		
	Lavatory	4	set		
	Chipping of concrete wall & slab (for electrical)	48	sq.m		
	Dismantling of exisiting Main Circuit Breaker	2	assy		
				Subtotal	
B	CIVIL / STRUCTURAL WORKS				
	Thermal and Moisture Protection				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Waterproofing Works				
	Cementitious Capillary Type Waterproofing	186	sq.m.		
	Masonry Works				
	Plastering of Doors and Windows Opening	465	l.m.		
	50mm Concrete Topping with Plain Cement Finish	918	sq.m.		
	25mm Concrete Topping (for electrical)	48	sq.m		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Roofing Works				
	Pre-painted G.I. Rib Type Roofing	242	sq.m.		
	Pre-painted G.I. End Flashing	66	l.m.		
	Pre-painted G.I. Ridge Roll	26	l.m.		
	12mm x 300mm Fiber Cement Fascia Board	66	l.m.		
	Miscellaneous and Consumables				
	Blind Rivets	332	piece		
	Silicon Sealant	13	tube		
	Tekscrew	620	piece		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
C	ARCHITECTURAL WORKS				
	Floor Finishes				
	300mm x 300mm Non-Skid Homogeneous Floor Tiles	48	sq.m.	₱	₱
	Floor Topping For Preparation of Tile Works	48	sq.m.		
	Wall Finishes				
	300mm x 300mm Homogeneous Wall Tiles	159	sq.m.		
	Ceiling Finishes				
	12mm Thk Moisture Resistant Gypsum Board with Complete Framing and Accessories	140	sq.m.		
	6mm Thk Fiber Cement Board with Complete Framing and Accessories	133	sq.m.		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
	Installation of Doors				
	D1 - 0.9m x 2.5m Panel Door with Fixed Glass	16	set	₱	₱
	D2 - 0.9m x 2.1m Flush Door	9	set		
	D3 - 0.6m x 1.3m Flush Door	8	set		
	Door Jambs				
	Wooden Jambs				
	D1 - 0.9m x 2.5m Panel Door with Fixed Glass	16	set		
	D2 - 0.9m x 2.1m Flush Door	9	set		
	D3 - 0.6m x 1.3m Flush Door	8	set		
	Door Knob, Lever Type	33	set		
	Door Hinge	99	set		
	Installation of Windows				
	W1- 2.0m x 1.5m Jalousie Window with Fixed Glass	16	set		
	W2- 2.0m x 3.0m Jalousie Window with Fixed Glass	16	set		
	W3- 0.6m x 0.6m Jalousie Window with Fixed Glass	12	set		
				Material Cost	₱
				Labor Cost	

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
				Subtotal	₱
	Carpentry Works				
	Blackboard with Complete Framing and Accessories	16	set	₱	₱
	Painting Works				
	Epoxy Enamel Finish (Steel Surfaces)	142	sq.m.		
	Elastomeric Paint Finish (Exterior Walls)	756	sq.m.		
	Latex Paint Finish				
	Interior Walls	2,031	sq.m.		
	Ceiling	226	sq.m.		
	Slab Soffit	725	sq.m.		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
D	PLUMBING WORKS				
	Sewer Line System				
	150mmØ PVC Pipe with Hub	55	piece	₱	₱
	150mmØ 1/8 Bend	21	piece		
	Fixtures				
	Floor Drain, 100mm x 100mm Stainless Steel	28	piece		
	Lavatory, Wall Hung	4	piece		
	Lavatory Faucet, Lever Type (Water Efficient)	12	piece		
	Slop Sink Faucet, Lever Type (Water Efficient)	4	piece		
	Water Closet, Tank Type (Water Efficient)	12	piece		
	Hardware and Accessories				
	Angle Valve, Two-Way Stainless Steel	12	piece		
	Angle Valve, Single-Way Stainless Steel	12	piece		
	Flexible Hose	24	piece		
	Miscellaneous				
	400cc Solvent Cement	6	can		
	Teflon Tape	28	roll		
	Waste Cloth	3	kg		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
E	ELECTRICAL WORKS				
	Roughing-ins				
	20mmØ PVC Pipe	480	piece		
	32mmØ IMC Pipe	1	piece		
	40mmØ PVC Pipe	12	piece		
	Fittings and Accessories				
	20mmØ PVC Adaptor	400	piece		
	20mmØ PVC Locknut & Bushing	400	pair		
	32mmØ Entrance Cap Die Cast	1	piece		
	32mmØ IMC Locknut and Bushing	1	pair		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	40mmØ PVC Adaptor	5	piece		
	40mmØ PVC Locknut & Bushing	5	pair		
	100mm x 50mm Metal Utility box	52	piece		
	100mm x 100mm Metal Junction box with cover	134	piece		
	Wires and Cables				
	3.5mm² THHN Wire	22	roll		
	3.5mm² TW Wire	11	roll		
	8.0mm² TW Wire	45	l.m.		
	30mm² THHN Wire	10	l.m.		
	38mm² THHN Wire	80	l.m.		
	Lighting fixtures (Energy Efficient)				
	LED Pinlight w/ complete fixture and accessories	12	set		
	LED Tube light w/ complete fixture, 18 Watts	96	piece		
	Wiring Devices and other fixtures				
	Orbit Fan 220-240V AC, w/ selector switch switch	32	piece		
	Outlet w/ grounding, plate & cover, two-gang	32	piece		
	Secondary Rack w/ 2 Spool Heavy Duty	3	set		
	Switch w/ plate & cover, one-gang	19	piece		
	Switch w/ plate & cover, two-gang	1	piece		
	Pipe Hangers & Support				
	Horizontal layout of pipe	560	l.m.		
	Vertical layout of pipe	3	l.m.		
	Panelboard				
	DP - VB (VARGAS BUILDING) Main: 125 AT, 2P, 230V, Bolt-on Branches: 1-100AT, 2P, 230V, Bolt-on 1-60AT, 2P, 230V, Bolt-on Enclosure: Surface Mounted NEMA 1 w/ Ground Terminals	1	assy		
	Panel - LPP Main: 100 AT, 2P, 230V, Bolt-on Branches: 10-20AT, 2P, 230V, Bolt-on Enclosure: Surface Mounted NEMA 1 w/ Ground Terminals	1	assy		
	Miscellaneous & Consumables				
	400cc Solvent Cement	8	can		
	Electrical Tape	5	piece		
	GI Tie Wire Ga. 16 (for cable pulling)	1	kg		
	Hacksaw Blade	2	piece		
	Masking Tape	2	piece		
	Pulling Lubricant	1	can		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Rubber Tape	1	piece		
	Torch w/ Butane	6	set		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
				Material Cost II	₱
				Labor Cost II	
				Direct Cost II	₱
III	**REHABILITATION OF CHB FENCE**				
A	SITE WORKS				
	Cleaning and Clearing for Painting Preparation	624	sq.m.	₱	₱
				Subtotal	₱
B	ARCHITECTURAL WORKS				
	Painting Works				
	Elastomeric Paint Finish (Fence)	624	sq.m.	₱	₱
	Epoxy Enamel Paint Finish (Steel Surfaces)	12	sq.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost III	₱
				Labor Cost III	
				Direct Cost III	₱
IV	**REHABILITATION OF MAIN GATE**				
A	SITE WORKS				
	Cleaning and Clearing for Painting Preparation	92	sq.m.	₱	₱
				Subtotal	₱
B	ARCHITECTURAL WORKS				
	Painting Works				
	Epoxy Enamel Finish (Steel Surfaces)	62	sq.m.	₱	₱
	Elastomeric Paint Finish (Main Gate)	61	sq.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost IV	₱
				Labor Cost IV	
				Direct Cost IV	₱
V	**REHABILITATION OF CANTEEN ROOFING**				
A	SITE WORKS				
	Cleaning and Clearing for Painting Preparation	379	sq.m.	₱	₱
				Subtotal	₱
B	ARCHITECTURAL WORKS				
	Painting Works				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Epoxy Enamel Finish (Steel Surfaces)	379	sq.m.	₱	₱
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost V	₱
				Labor Cost V	
				Direct Cost V	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
VI	**REHABILITATION OF BASKETBALL COURT**				
A	SITE WORKS				
	Cleaning and Clearing for Painting Preparation	788	sq.m.	₱	₱
	Removal of Roofing	308	sq.m.		
				Subtotal	₱
B	CIVIL/ STRUCTURAL WORKS				
	Metal Works				
	25mm x 25mm Flat Bar	1,948	kg		
	25mm x 25mm x 6mm Angle Bar	942	kg		
	38mm x 38mm x 6mm Angle Bar	1,670	kg		
	50mm x 50mm x 6mm Angle Bar	120	kg		
	Miscellaneous and Consumables				
	Acetylene Tank Refill	6	tank		
	Assorted Metal Drill Bit	5	piece		
	Cut Off Blade	5	piece		
	Grinding Disc Metal	5	piece		
	Oxygen Tank Refill	12	tank		
	Welding Rod	6	box		
	Roofing Works				
	Pre-painted Rib Type G.I. Roofing	308	sq.m.		
	Pre-painted G.I. Flashing	77	l.m.		
	Pre-painted G.I. Ridge Roll	28	l.m.		
	12mm x 300mm Fiber Cement Fascia Board	77	l.m.		
	6mm Solid Sheet Polycarbonate include accessories	238	sq.m.		
	Miscellaneous and Consumables				
	Blind Rivets	387	piece		
	Silicon Sealant	26	tube		
	Tekscrew	1260	piece		
	Fabricated materials				
	1.8m x 1.2m Fiber Glass Backboard	2	unit		
	Basketball Ring Snapback	2	unit		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
C	ARCHITECTURAL WORKS				
	Painting Works				
	Rubberized Paint Finish	246	sq.m.	₱	₱
	Elastomeric Paint Finsh (Pedestal)	37	sq.m.		
	Epoxy Enamel Paint Finish (Steel Surfaces)	1,101	sq.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
D	ELECTRICAL WORKS				
	Roughing-ins				
	15mmØ IMC Pipe	75	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	25mmØ IMC Pipe	15	piece		
	Fittings and Accessories				
	15mmØ IMC Coupling	74	piece		
	15mmØ IMC Locknut & Bushing	88	pair		
	25mmØ IMC Coupling	14	piece		
	25mmØ Entrance Cap Die Cast	1	piece		
	25mmØ IMC Locknut and Bushing	35	pair		
	100mm x 50mm Metal Utility box	14	piece		
	100mm x 100mm Metal Junction box with cover	24	piece		
	Wires and Cables				
	3.5mm² THHN Wire	3	roll		
	3.5mm² TW Wire	2	roll		
	5.5mm² TW Wire	75	l.m.		
	8.0mm² THW Wire	70	l.m.		
	14mm² THHN Wire	80	l.m.		
	Lighting fixtures (Energy Efficient)				
	LED Flood Light, 50 Watts w/ complete accessories	10	set		
	Wiring Devices and other fixtures				
	14mmØ Solderless connector w/ two bolt	3	pair		
	Outlet w/ grounding, plate & cover, two-gang	6	piece		
	Secondary Rack w/ 2 Spool Heavy Duty	4	set		
	Pipe Hangers & Support				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Horizontal layout of pipe	155	l.m.		
	Vertical layout of pipe	95	l.m.		
	Panelboard				
	LP - CC	1	assy		
	Main: 60 AT, 2P, 230V, Bolt-on Branches: 2-20AT, 2P, 230V, Bolt-on 1-40AT, 2P, 230V, Bolt-on Enclosure: Surface Mounted NEMA 1 w/ Ground Terminals				
	Miscellaneous & Consumables				
	All Around Sealant	1	can		
	Electrical Tape	2	piece		
	GI Tie Wire Ga. 16 (for cable pulling)	1	kg		
	Masking Tape	2	piece		
	Pulling Lubricant	1	can		
	Rubber Tape	1	piece		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost VI	₱
				Labor Cost VI	
				Direct Cost VI	₱
VII	**REHABILITATION OF DEPED CR (bldg 5)**				
A	SITE WORKS				
	Removal of Doors	6	set	₱	₱
	Removal of Windows	3	sq.m.		
	Removal of Dilapidated Tiles	73	sq.m.		
	Removal of Roofing	44	sq.m.		
	Removal of Plumbing Fixtures				
	Water Closet	6	set		
	Floor Drain	8	set		
	Lavatory	2	set		
	Cleaning and Clearing for Painting Preparation	140	sq.m.		
	Chipping of concrete wall & slab (for electrical)	4	sq.m.		
	Removal of Concrete Slab (Plumbing)	6	sq.m.		
				Subtotal	₱
B	CIVIL/ STRUCTURAL WORKS				
	Concrete Works				
	On Site Mix Concrete				
	Concrete Pavement (Plumbing)	8	cu.m.	₱	₱
	Thermal and Moisture Protection				
	Cementitious Capillary Type Waterproofing	60	sq.m.		
	Masonry Works				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Plastering of Doors and Windows Opening	47	l.m.		
	25mm Concrete Topping (for electrical)	4	sq.m.		
	Metal Works				
	50mmØ Stainless Steel Grab Bar	3	l.m.		
	Roofing Works				
	Pre-painted G.I. Rib Type Roofing	44	sq.m.		
	Pre-painted G.I. End Flashing	20	l.m.		
	Pre-painted G.I. Ridge Roll	8	l.m.		
	12mm x 300mm Fiber Cement Fascia Board	20	l.m.		
	Miscellaneous and Consumables				
	Blind Rivets	102	piece		
	Silicon Sealant	3	tube		
	Tekscrew	130	piece		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
C	ARCHITECTURAL WORKS				
	Floor Finishes				
	300mm x 300mm Non-Skid Homogeneous Floor Tiles	11	sq.m.	₱	₱
	600mm x 600mm Non-Skid Homogeneous Floor Tiles	16	sq.m.		
	Floor Topping For Preparation of Tile Works	27	sq.m.		
	Wall Finishes				
	300mm x 300mm Non-Skid Homogeneous Wall Tiles	54	sq.m.		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Ceiling Finishes				
	12mm Thk Moisture Resistant Gypsum Board with Complete Framing and Accessories	8	sq.m.		
	6mm Thk Fiber Cement Board with Complete Framing and Accessories	23	sq.m.		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
	Installation of Doors and Windows				
	D1 - 0.9m x 2.1m Flush Door with Louver	2	set	₱	₱
	D2 - 0.6m x 2.1m Flush Door	4	set		
	Door Jambs				
	Wooden Jambs				
	D1 - 0.9m x 2.1m Flush Door with Louver	2	set		
	D2 - 0.6m x 2.1m Flush Door	4	set		
	Door Knob, Lever Type	6	set		
	Door Hinge	18	set		
	Installation of Windows				
	W1- 0.6m x 0.6m Steel Casement Awning Type Window	6	set		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
	Painting Works				
	Elastomeric Paint Finish (Exterior Walls)	62	sq.m.	₱	₱
	Latex Paint Finish				
	Interior Walls	78	sq.m.		
	Ceiling	23	sq.m.		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
D	PLUMBING WORKS				
	Sewer Line System				
	50mmØ PVC Pipe with Hub	14	piece	₱	₱
	75mmØ PVC Pipe with Hub	6	piece		
	100mmØ PVC Pipe with Hub	8	piece		
	75mmØ x 50mmØ Wye	7	piece		
	100mmØ x 50mmØ Wye	11	piece		
	100mmØ x 75mmØ Wye	10	piece		
	100mmØ x 100mmØ Wye	4	piece		
	50mmØ x 50mmØ Tee	37	piece		
	75mmØ x 50mmØ Tee	7	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	100mmØ x 50mmØ Tee	11	piece		
	50mmØ 1/4 Bend	23	piece		
	50mmØ 1/8 Bend	39	piece		
	75mmØ 1/8 Bend	36	piece		
	100mmØ 1/8 Bend	8	piece		
	75mmØ Cleanout	1	piece		
	100mmØ Cleanout	2	piece		
	50mmØ P-Trap	12	piece		
	Waterline System				
	20mmØ PPR Pipe	10	piece		
	25mmØ PPR Pipe	6	piece		
	20mmØ x 20mmØ Tee Equal	13	piece		
	25mmØ x 20mmØ Unequal Tee	8	piece		
	25mmØ x 20mmØ Reducer	4	piece		
	20mmØ 90° Elbow	48	piece		
	25mmØ 90° Elbow	4	piece		
	25mmØ x 18mm Ø Female Threaded Tee	19	piece		
	20mmØ End Cap	19	piece		
	20mmØ Union Patent	1	piece		
	25mmØ Union Patent	1	piece		
	20mmØ Coupling	13	piece		
	25mmØ Coupling	9	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Valve and Appurtenances				
	20mmØ Gate Valve PPR	1	piece		
	25mmØ Gate Valve PPR	1	piece		
	Fixtures				
	Floor Drain, 100mm x 100mm Stainless Steel	8	piece		
	Lavatory, Countertop	2	piece		
	Lavatory, Wall Hung	2	piece		
	Lavatory Faucet, Lever Type (Water Efficient)	10	piece		
	Water Closet, Tank Type (Water Efficient)	6	piece		
	Accessories				
	Angle Valve, Two-Way Stainless Steel	6	piece		
	Angle Valve, Single-Way Stainless Steel	10	piece		
	Flexible Hose	16	piece		
	Miscellaneous				
	Teflon Tape	42	roll		
	Waste Cloth	2	kg		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
E	ELECTRICAL WORKS				
	Roughing-ins				
	20mmØ PVC Pipe	40	piece	₱	₱
	15mmØ IMC Pipe	1	piece		
	Fittings and Accessories				
	15mmØ Entrance Cap Die Cast	1	piece		
	20mmØ PVC Adaptor	44	piece		
	20mmØ PVC Locknut & Bushing	44	pair		
	100mm x 50mm Metal Utility box	7	piece		
	100mm x 100mm Metal Junction box with cover	12	piece		
	Wires and Cables				
	3.5mm² THHN Wire	2	roll		
	3.5mm² TW Wire	1	roll		
	Lighting fixtures (Energy Efficient)				
	LED Pinlight w/ complete fixture and accessories	8	set		
	LED Tube light w/ complete fixture, 18 Watts	2	piece		
	Wiring Devices and other fixtures				
	Secondary Rack w/ 2 Spool Heavy Duty	2	set		
	Switch w/ plate & cover, one-gang	6	piece		
	Switch w/ plate & cover, two-gang	1	piece		
	Pipe Hangers & Support				
	Horizontal layout of pipe	70	l.m.		
	Panelboard				
	Circuit Breaker (CB), 20AT, 230 V Bolt-on	1	assy		
	Enclosed Circuit Breaker (ECB), 20AT, 230 V Bolt-on	1	assy		
	Miscellaneous & Consumables				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	400cc Solvent	2	can		
	Electrical Tape	2	piece		
	GI Tie Wire Ga. 16 (for cable pulling)	1	kg		
	Hacksaw Blade	1	piece		
	Masking Tape	1	piece		
	Pulling Lubricant	1	can		
	Rubber Tape	1	piece		
	Torch w/ Butane	2	set		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost VII	₱
				Labor Cost VII	
				Direct Cost VII	₱
VIII	**REHABILITATION OF DEPED CR (bldg 8)**				
A	SITE WORKS				
	Removal of Doors	6	set	₱	₱
	Removal of Windows	3	sq.m.		
	Removal of Dilapidated Tiles	88	sq.m.		
	Removal of Roofing	44	sq.m.		
	Removal of Plumbing Fixtures				
	Water Closet	6	set		
	Floor Drain	8	set		
	Lavatory	2	set		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Cleaning and Clearing for Painting Preparation	140	sq.m.		
	Chipping of concrete wall & slab (for electrical)	4	sq.m.		
	Removal of Concrete Slab (Plumbing)	6	sq.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
B	CIVIL/ STRUCTURAL WORKS				
	Concrete Works				
	On Site Mix Concrete				
	Concrete Pavement (Plumbing)	8	cu.m.		
	Thermal and Moisture Protection				
	Cementitious Capillary Type Waterproofing	60	sq.m.		
	Masonry Works				
	Plastering of Doors and Windows Opening	47	l.m.		
	25mm Concrete Topping (for electrical)	4	sq.m.		
	Metal Works				
	50mmØ Stainless Steel Grab Bar	3	l.m.		
	Roofing Works				
	Pre-painted G.I. Rib Type Roofing	44	sq.m.		
	Pre-painted G.I. End Flashing	20	l.m.		
	Pre-painted G.I. Ridge Roll	8	l.m.		
	12mm x 300mm Fiber Cement Fascia Board	20	l.m.		
	Miscellaneous and Consumables				
	Tekscrew	130	piece		
	Blind Rivets	102	piece		
	Silicon Sealant	3	tube		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
C	ARCHITECTURAL WORKS				
	Floor Finishes				
	300mm x 300mm Non-Skid Homogeneous Floor Tiles	11	sq.m.	₱	₱
	600mm x 600mm Non-Skid Homogeneous Floor Tiles	16	sq.m.		
	Floor Topping For Preparation of Tile Works	27	sq.m.		
	Wall Finishes				
	300mm x 300mm Homogeneous Wall Tiles	49	sq.m.		
	Ceiling Finishes				
	12mm Thk Moisture Resistant Gypsum Board with Complete Framing and Accessories	8	sq.m.		
	6mm Thk Fiber Cement Board with Complete Framing and Accessories	23	sq.m.		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
	Installation of Doors				
	D1 - 0.9m x 2.1m Flush Door with Louver	2	set	₱	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	D2 - 0.6m x 2.1m Flush Door	4	set		
	Door Jambs				
	Wooden Jambs				
	D1 - 0.9m x 2.1m Flush Door with Louver	2	set		
	D2 - 0.6m x 2.1m Flush Door	4	set		
	Door Knob, Lever Type	6	set		
	Door Hinge	18	set		
	Installation of Windows				
	W1- 0.6m x 0.6m Steel Casement Awning Type Window	6	set		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Painting Works				
	Elastomeric Paint Finish (Exterior Walls)	62	sq.m.	₱	₱
	Latex Paint Finish				
	Interior Walls	78	sq.m.		
	Ceiling	23	sq.m.		
				Material Cost	₱
				Labor Cost	
				Subtotal	₱
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
D	PLUMBING WORKS				
	Sewer Line System				
	50mmØ PVC Pipe with Hub	14	piece	₱	₱
	75mmØ PVC Pipe with Hub	6	piece		
	100mmØ PVC Pipe with Hub	8	piece		
	75mmØ x 50mmØ Wye	7	piece		
	100mmØ x 50mmØ Wye	11	piece		
	100mmØ x 75mmØ Wye	10	piece		
	100mmØ x 100mmØ Wye	4	piece		
	50mmØ x 50mmØ Tee	37	piece		
	75mmØ x 50mmØ Tee	7	piece		
	100mmØ x 50mmØ Tee	11	piece		
	50mmØ 1/4 Bend	23	piece		
	50mmØ 1/8 Bend	39	piece		
	75mmØ 1/8 Bend	36	piece		
	100mmØ 1/8 Bend	8	piece		
	75mmØ Cleanout	1	piece		
	100mmØ Cleanout	2	piece		
	50mmØ P-Trap	12	piece		
	Waterline System				
	20mmØ PPR Pipe	10	piece		
	25mmØ PPR Pipe	6	piece		
	20mmØ x 20mmØ Tee Equal	13	piece		
	25mmØ x 20mmØ Unequal Tee	8	piece		
	25mmØ x 20mmØ Reducer	4	piece		
	20mmØ 90° Elbow	48	piece		
	25mmØ 90° Elbow	4	piece		
	25mmØ x 18mm Ø Female Threaded Tee	19	piece		
	20mmØ End Cap	19	piece		
	20mmØ Union Patent	1	piece		
	25mmØ Union Patent	1	piece		
	20mmØ Coupling	13	piece		
	25mmØ Coupling	9	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Valve and Appurtenances				
	20mmØ Gate Valve PPR	1	piece		
	25mmØ Gate Valve PPR	1	piece		
	Fixtures				
	Floor Drain, 100mm x 100mm Stainless Steel	8	piece		
	Lavatory, Countertop	2	piece		
	Lavatory, Wall Hung	2	piece		
	Lavatory Faucet, Lever Type (Water Efficient)	10	piece		
	Water Closet, Tank Type (Water Efficient)	6	piece		
	Accessories				
	Angle Valve, Two-Way Stainless Steel	6	piece		
	Angle Valve, Single-Way Stainless Steel	10	piece		
	Flexible Hose	16	piece		
	Miscellaneous				
	Teflon Tape	42	roll		
	Waste Cloth	2	kg		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
E	ELECTRICAL WORKS				
	Roughing-ins				
	20mmØ PVC Pipe	40	piece		
	15mmØ IMC Pipe	1	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Fittings and Accessories				
	15mmØ Entrance Cap Die Cast	1	piece		
	20mmØ PVC Adaptor	44	piece		
	20mmØ PVC Locknut & Bushing	44	pair		
	100mm x 50mm Metal Utility box	7	piece		
	100mm x 100mm Metal Junction box with cover	12	piece		
	Wires and Cables				
	3.5mm² THHN Wire	2	roll		
	3.5mm² TW Wire	1	roll		
	Lighting fixtures (Energy Efficient)				
	LED Pinlight w/ complete fixture and accessories	8	set		
	LED Tube light w/ complete fixture, 18 Watts	2	piece		
	Wiring Devices and other fixtures				
	Secondary Rack w/ 2 Spool Heavy Duty	2	set		
	Switch w/ plate & cover, one-gang	6	piece		
	Switch w/ plate & cover, two-gang	1	piece		
	Pipe Hangers & Support				
	Horizontal layout of pipe	70	l.m.		
	Panelboard				
	Circuit Breaker (CB), 20AT, 230 V Bolt-on	1	assy		
	Enclosed Circuit Breaker (ECB), 20AT, 230 V Bolt-on	1	assy		
	Miscellaneous & Consumables				
	400cc Solvent Cement	2	can		
	Electrical Tape	2	piece		
	GI Tie Wire Ga. 16 (for cable pulling)	1	kg		
	Hacksaw Blade	1	piece		
	Masking Tape	1	piece		
	Pulling Lubricant	1	can		
	Rubber Tape	1	piece		
	Torch w/ Butane	2	set		
				Material Cost	
				Labor Cost	₱
				Direct Cost	
				Material Cost VIII	₱
				Labor Cost VIII	
				Direct Cost VIII	₱
IX	**CONSTRUCTION OF EMERGENCY GATE**				
A	SITE WORKS				
	Site Clearing and Cleaning Preparation	7	sq.m.	₱	₱
	Layout and Staking	7	sq.m.		
	Demolition of CHB Wall	7	sq.m.		
	Excavation of Structrures				
	Footing	2	cu.m.		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Gravel Bedding	2	cu.m.		
	Backfill and Compaction	2	cu.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
B	CIVIL/ STRUCTURAL WORKS				
	Concrete Works				
	On Site Mix Concrete				
	Column	1	cu.m.	₱	₱
	Footing	1	cu.m.		
	Grade 40 Reinforcing Steel Bar include				
	G.I. Tie Wire Ga. 16				
	10mm Ø Reinforcing Steel Bar				
	Lateral Ties	28	kg		
	12mm Ø Reinforcing Steel Bar				
	Column	34	kg		
	Footing	12	kg		
	Formworks				
	Column	7	sq.m.		
	Footing	7	sq.m.		
	Shoring				
	Column	8	l.m.		
	Metal Works				
	16mmØ Twisted Bar	90	kg		
	25mm x 25mm Flat Bar	186	kg		
	Plain G.I. Sheet	5	sq.m.		
	38mm Ø G.I. Pipe	49	kg		
	Hinge, Heavy Duty	6	piece		
	Barrel Bolt	1	piece		
	Foot Bolt	1	piece		
	Miscellaneous and Consumables				
	Acetylene Tank Refill	1	tank		
	Assorted Metal Drill Bit	2	piece		
	Cut Off Blade	2	piece		
	Grinding Disc Metal	2	piece		
	Oxygen Tank Refill	1	tank		
	Welding Rod	1	box		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
C	ARCHITECTURAL WORKS				
	Painting Works				
	Elastomeric Paint Finish	5	sq.m.	₱	₱
	Epoxy Enamel Paint Finish	13	sq.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost IX	₱
				Labor Cost IX	

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
				Direct Cost IX	₱
X	**CONSTRUCTION OF COVERED PATHWALK**				
A	SITE WORKS				
	Site Clearing and Cleaning Preparation	148	sq.m.	₱	₱
	Layout and Staking	148	sq.m.		
	Excavation for Structures				
	Pathwalk	30	cu.m.		
	Footing	29	cu.m		
				Subtotal	₱
	Soil Treatment	148	sq.m.	₱	₱
	Gravel Bedding	12	cu.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
	Backfill and Compaction	20	cu.m.	₱	₱
				Subtotal	₱
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
B	CIVIL/ STRUCTURAL WORKS				
	Concrete Works				
	On Site Mix Concrete				
	Pedestal	15	cu.m.	₱	₱
	Pathwalk	13	cu.m.		
	Grade 40 Reinforcing Steel Bar include				
	G.I. Tie Wire Ga. 16				
	12mm Ø Reinforcing Steel Bar				
	Lateral Ties	163	kg		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	12mm Ø Reinforcing Steel Bar				
	Pathwalk	1065	kg		
	Pedestal	155	kg		
	16mm Ø Reinforcing Steel Bar				
	Pedestal	189	kg		
	Footing	677	kg		
	Formworks				
	Column	35	sq.m.		
	Pathwalk	52	sq.m.		
	Footing	43	sq.m.		
	Shoring				
	Pedestal	29	l.m.		
	Masonry Works				
	Plastering of Column	13	sq.m.		
	Metal Works				
	4mm Wing Plate	202	kg		
	250mm x 250mm Base Plate	211	kg		
	100mmØ G.I. Pipe	564	kg		
	50mmØ G.I. Pipe	320	kg		
	50mm x 100mm x 1.2mm Channel Bar	643	kg		
	25mm x 300mm Anchor Bolts	136	piece		
	Miscellaneous and Consumables				
	Acetylene Tank Refill	3	tank		
	Assorted Metal Drill Bit	4	piece		
	Cut Off Blade	4	piece		
	Grinding Disc Metal	4	piece		
	Oxygen Tank Refill	5	tank		
	Welding Rod	3	box		
	Roofing Works				
	Pre-painted G.I. Rib Type Roofing	150	sq.m.		
	(Single Sided Aluminum Foil)				
	Tekscrew	749	piece		
	Silicon Sealant	15	tube		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
C	ARCHITECTURAL WORKS				
	Painting Works				
	Elastomeric Paint Finish (Pedestal)	13	sq.m.	₱	₱
	Epoxy Enamel Paint Finish (Steel Surfaces)	183	sq.m.		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost X	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
				Labor Cost X	
				Direct Cost X	₱
XI	**CONSTRUCTION OF MAIN STAGE**				
A	SITE WORKS				
	Site Clearing and Preparation	182	sq.m.		
	Layout and Staking	182	sq.m.		
	Excavation for Structures				
	Footing	15	sq.m.		
	Wall Footing	58	sq.m.		
	Slab on Grade	19	sq.m.		
	Removal of Plumbing Fixtures				
	Water Closet	2	set		
	Floor Drain	4	set		
	Lavatory	4	set		
	Demolition of Existing Structures	348	sq.m.		
	Chipping of concrete wall & slab (for electrical)	9	sq.m.		
	Removal of Concrete Slab (Plumbing)	5	sq.m.		
	Soil Treatment				
	Slab on Grade	183	sq.m.		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Gravel Bedding				
	Slab on Grade	10	cu.m.		
	Wall Footing	6	cu.m.		
	Footing	1	cu.m.		
	Imported Earthfill	199	cu.m.		
				Materials Cost	
				Labor Cost	
				Subtotal	
	Backfill and Compaction	54	cu.m.		
				Subtotal	
				Materials Cost	
				Labor Cost	
				Direct Cost	
B	CIVIL WORKS / STRUCTURAL WORKS				
	Concrete Works				
	On Site Mix Concrete				
	Countertop	1	cu.m.		
	Concrete Pavement (Plumbing)	7	cu.m.		
	Ready Mix Concrete 28 Mpa, 3/4" Gravel @ 28 Days				
	Footing	6	cu.m.		
	Wall Footing	17	cu.m.		
	Column	9	cu.m.		
	Slab on Grade	24	cu.m.		
	Beam	6	cu.m.		
	Stairs	3	cu.m.		
	Ramp	8	cu.m.		
	Plantbox	11	cu.m.		
	Reinforcing Steel Bar				
	Grade 40 Reinforcing Steel Bar include				
	G.I. Tie Wire Ga. 16				
	10mm Ø Reinforcing Steel Bar				
	Wall Footing	318	kg		
	Countertop	8	kg		
	Column	389	kg		
	Slab on Grade	347	kg		
	Beam	220	kg		
	Stairs	80	kg		
	12mm Ø Reinforcing Steel Bar				
	Wall Footing	180	kg		
	Ramp	168	kg		
	Grade 60 Reinforcing Steel Bar include				
	G.I. Tie Wire Ga. 16				
	16mm Ø Reinforcing Steel Bar				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Footing	399	kg		
	Column	847	kg		
	Beam	703	kg		
	Formworks				
	Footing	12	sq.m.		
	Wall Footing	36	sq.m.		
	Column	43	sq.m.		
	Beam	25	sq.m.		
	Slab	94	sq.m.		
	Stairs	9	sq.m.		
	Countertop	3	sq.m.		
	Scaffolding and Shoring				
	Column	78	l.m.		
	Beam	47	l.m.		
	Countertop	3	sq.m.		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Masonry Works				
	100mm CHB Laying include Mortar, Reinforcement	208	sq.m.		
	and Two-Face Plastering				
	150mm CHB Laying include Mortar, Reinforcement	240	sq.m.		
	and Two-Face Plastering				
	Plastering of Door and Window Openings	70	lm		
	25mm Concrete Topping (for electrical)	9	sq.m.		
	50mm Concrete Topping with Plain Cement Finish	65	sq.m.		
	Thermal and Moisture Protection				
	Vapor Barrier	183	sq.m.		
	Cementitious Capillary Type Waterproofing	20	sq.m.		
	Metal Works				
	Roof Truss				
	50mm x 50mm x 6mm Angle Bar	1605	kg		
	38mm x 38mm x 6mm Angle Bar	1412	kg		
	50mm x 100mm x 6mm Channel Bar	3061	kg		
	50mmØ Stainless Steel Railing	28	l.m.		
	12mmØ Sag Rod	96	kg		
	Miscellaneous and Consumables				
	Acetylene Tank Refill	8	tank		
	Assorted Metal Drill Bit	8	piece		
	Cut Off Blade	8	piece		
	Grinding Disc Metal	8	piece		
	Oxygen Tank Refill	16	tank		
	Welding Rod	8	box		
	Roofing Works				
	Pre-painted Rib Type G.I. Roofing	197	sq.m.		
	Pre-painted G.I. Flashing	59	lm		
	12mm x 300mm Fiber Cement Fascia Board	59	lm		
	Tekscrew	802	piece		
	Blind Rivets	297	piece		
	Silicon Sealant	17	tube		
				Materials Cost	
				Labor Cost	
				Direct Cost	
C	ARCHITECTURAL WORKS				
	Floor Finishes				
	300mm x 300mm Non-Skid Homogeneous Floor Tiles	4	sq.m.		
	600mm x 600mm Non-skid Homogeneous Floor Tiles	95	sq.m.		
	300mm x 300mm Homogeneous Countertop Tiles	6	sq.m.		
	Floor Topping for Preparation of Tile Works	99	sq.m.		
	Rubber Nosing	20	l.m.		
	Wall Finishes and Partitions				
	12mm Groove Line	28	lm		
	300mm x 600mm Brick Stone	8	sq.m.		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	300mm x 600mm Non-Skid Homogeneous Wall Tiles	15	sq.m.		
	Aluminum Composite Panel (ACP) Cladding	16	sq.m.		
	with Complete Framing and Accessories				
	Ceiling Finishes				
	12mm Moisture Resistant Gypsum Board	4	sq.m.		
	Complete Framing and Accessories				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	6mm Fiber Cement Board with Complete Framing and Accessories	128	sq.m.		
				Materials Cost	
				Labor Cost	
				Direct Cost	
	Installation of Doors				
	Doors				
	D1 - 1.8m x 2.1m Metal Fire Door	2	set		
	Panic Hardware				
	D2 - 1.4m x 2.1m Aluminum Swing Door	1	set		
	D3 - 0.8m x 2.1m Aluminum Swing Door	2	set		
	D4 - 0.7m x 2.1m PVC Door with Louver	2	set		
	Door Jambs				
	D1 - 1.8m x 2.1m Metal Fire Door	2	set		
	Panic Hardware				
	D2 - 1.4m x 2.1m Aluminum Swing Door	1	set		
	D3 - 0.8m x 2.1m Aluminum Swing Door	2	set		
	D4 - 0.7m x 2.1m PVC Door with Louver	2	set		
	Hardwares and Accesoories				
	Door Knob, Lever Type	7	piece		
	Door Hinge	21	piece		
	Installation of Windows				
	W1- 1.6m x 1.2m Aluminum Frame Sliding Window	3	set		
	W2- 2.4m x 0.6m Aluminum Frame Awning Window	2	set		
				Materials Cost	
				Labor Cost	
				Direct Cost	
	Painting Works				
	Elastomeric Paint Finish (Exterior Wall)	129	sq.m.		
	Epoxy Enamel Paint Finish (Steel Surfaces)	215	sq.m.		
	Flat Latex Paint Finish				
	Interior Wall	292	sq.m.		
	Ceiling	132	sq.m.		
				Materials Cost	
				Labor Cost	
				Direct Cost	
				Materials Cost	
				Labor Cost	
				Direct Cost	
D	PLUMBING WORKS				
	Sewer Line System				
	50mmØ PVC Pipe with Hub	8	piece		
	75mmØ PVC Pipe with Hub	1	piece		
	100mmØ PVC Pipe with Hub	6	piece		
	100mmØ x 50mmØ Wye	11	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	100mmØ x 75mmØ Wye	5	piece		
	100mmØ x 100mmØ Wye	4	piece		
	50mmØ x 50mmØ Tee	23	piece		
	100mmØ x 50mmØ Tee	6	piece		
	50mmØ 1/4 Bend	11	piece		
	50mmØ 1/8 Bend	27	piece		
	75mmØ 1/8 Bend	13	piece		
	100mmØ 1/8 Bend	12	piece		
	100mmØ Cleanout	2	piece		
	50mmØ P-Trap	8	piece		
	Waterline System				
	20mmØ PPR Pipe	5	piece		
	25mmØ PPR Pipe	3	piece		
	20mmØ x 20mmØ Tee Equal	6	piece		
	25mmØ x 20mmØ Unequal Tee	6	piece		
	25mmØ x 20mmØ Reducer	4	piece		
	20mmØ 90° Elbow	18	piece		
	25mmØ 90° Elbow	4	piece		
	25mmØ x 18mm Ø Female Threaded Tee	9	piece		
	20mmØ End Cap	9	piece		
	25mmØ Union Patent	1	piece		
	20mmØ Coupling	7	piece		
	25mmØ Coupling	9	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Valve and Appurtenances				
	25mmØ Gate Valve PPR	1	piece		
	Fixtures				
	Floor Drain, 100mm x 100mm Stainless Steel	4	piece		
	Hose Bibb, Heavy Duty Stainless Steel Lever Type (Water Efficient)	2	piece		
	Lavatory, Countertop	2	piece		
	Lavatory, Wall Hung	2	piece		
	Lavatory Faucet, Lever Type (Water Efficient)	4	piece		
	Water Closet, Tank Type (Water Efficient)	2	piece		
	Accessories				
	Angle Valve, Two-Way Stainless Steel	2	piece		
	Angle Valve, Single-Way Stainless Steel	4	piece		
	Flexible Hose	6	piece		
	Miscellaneous				
	Teflon Tape	12	roll		
	Waste Cloth	2	kg		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
E	ELECTRICAL WORKS				
	Roughing-ins				
	20mmØ PVC Pipe	155	piece		
	25mmØ IMC Pipe	1	piece		
	Fittings and Accessories				
	20mmØ PVC Adaptor	131	piece		
	20mmØ PVC Locknut & Bushing	131	pair		
	25mmØ Entrance Cap Die Cast	2	piece		
	25mmØ IMC Locknut and Bushing	2	pair		
	100mm x 50mm Metal Utility box	23	piece		
	100mm x 100mm Metal Junction box with cover	34	piece		
	Wires and Cables				
	3.5mm² THHN Wire	6	roll		
	3.5mm² TW Wire	3	roll		
	5.5mm² TW Wire	30	l.m.		
	8.0mm² THHN Wire	60	l.m.		
	Lighting fixtures (Energy Efficient)				
	LED Flood Light, 30 Watts w/ complete accessories	3	set		
	LED Pinlight w/ complete fixture and accessories	17	set		
	LED Tube light w/ complete fixture, 18 Watts	8	piece		
	Wiring Devices and other fixtures				
	Orbit Fan 220-240V AC, w/ selector switch switch	3	piece		
	Outlet w/ grounding, plate & cover, two-gang	13	piece		
	Secondary Rack w/ 2 Spool Heavy Duty	5	set		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Switch w/ plate & cover, one-gang	5	piece		
	Switch w/ plate & cover, two-gang	5	piece		
	Pipe Hangers & Support				
	Horizontal layout of pipe	330	l.m.		
	Vertical layout of pipe	142	l.m.		
	Panelboard				
	LP - ST (STAGE)	1	assy		
	Main: 40 AT, 2P, 230V, Bolt-on				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Branches: 3-20AT, 2P, 230V, Bolt-on Enclosure: Surface Mounted NEMA 1 w/ Ground Terminals				
	Miscellaneous & Consumables				
	400cc Solvent Cement	4	can		
	Electrical Tape	4	piece		
	GI Tie Wire Ga. 16 (for cable pulling)	1	kg		
	Hacksaw Blade	2	piece		
	Masking Tape	1	piece		
	Pulling Lubricant	1	can		
	Rubber Tape	1	piece		
	Torch w/ Butane	3	set		
				Material Cost	₱
				Labor Cost	
				Direct Cost	₱
				Material Cost XI	₱
				Labor Cost XI	
				Direct Cost XI	₱

SUMMARY

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	TOTAL COST
I	GENERAL REQUIREMENTS	₱
II	REHABILITATION OF VARGAS BUILDING	
III	REPAINTING OF CHB FENCE	
IV	REPAINTING OF MAIN GATE	
V	REPAINTING OF CANTEEN ROOFING	
VI	RAHABILITATION OF BASKETBALL COURT	
VII	REHABILITATION OF DEPED CR (BLDG 5)	
VIII	REHABILITATION OF DEPED CR (BLDG 8)	
IX	CONSTRUCTION OF EMERGENCY GATE	
X	CONSTRUCTION OF COVERED PATHWALK	
XI	CONSTRUCTION OF STAGE	

NOTE:		
• Strictly enforce Health protocols relative to latest applicable DPWH Memorandum	**TOTAL DIRECT COST**	₱
	Overhead, Contingencies and Miscellaneous and Consumables Expenses (OCM)	
	Profit	
	VAT	

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
				TOTAL ESTIMATED COST	₱

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 Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
and

☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
and

☐ (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and

☐ (e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid *(please see attached prescribed forms required by the QC – BAC for Infrastructure and Consultancy)*; **and**

☐ (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules with an attached Notice of Award, Notice to Proceed, Contract and Certificate of Acceptance *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*; **and**

☐ (h) Philippine Contractors Accreditation Board (PCAB) License;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**

☐ (i) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**

(j) 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 *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*;

☐ 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 *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*; **and**

☐ (k) Original duly signed Omnibus Sworn Statement (OSS);
and 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.

Additional Technical Requirements:

- ☐ Certificate of Site Inspection or Affidavit of Site Inspection as part of Omnibus Sworn Statement
- ☐ Affidavit of Undertaking for Key Personnel and Equipment *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*
- ☐ Equipment Utilization Schedule
- ☐ Manpower Schedule
- ☐ Construction Schedule and S-Curve
- ☐ PERT-CMP
- ☐ Construction Methods

Financial Documents

☐ (l) The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**

☐ (m) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy).*

Class "B" Documents

☐ (n) 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. FINANCIAL COMPONENT ENVELOPE

☐ (o) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

☐ (p) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (q) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; **and**

☐ (r) Cash Flow by Quarter.

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;

d. The discounts offered and the methodology for their application are: *[insert information]*;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

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[1] currently based on GPPB Resolution No. 09-2020

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION
Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

   [If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

   [If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

   [If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

   [If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

   [If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

   [If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project

Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project].*

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

11. We pledge that the project will be completed in accordance and congruency with the approved plans and programs.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of _____ 20_ at , Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the "Entity") and *[name and address of Contractor]* (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called "the Works") and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

   a. Philippine Bidding Documents (PBDs);
      i. Drawings/Plans;
      ii. Specifications;
      iii. Bill of Quantities;
      iv. General and Special Conditions of Contract;
      v. Supplemental or Bid Bulletins, if any;

   b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

   Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

   c. Performance Security;

   d. Notice of Award of Contract and the Bidder's conforme thereto; and

   e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature] *[Insert Name and Signature]*

[Insert Signatory's Legal Capacity] *[Insert Signatory's Legal Capacity]*

for: *for:*

[Insert Procuring Entity] *[Insert Name of Supplier]*

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

Performance Securing Declaration (Revised)

[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents] To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.

2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;

3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:

    a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
        i. Procuring Entity has no claims filed against the contract awardee;
        ii. It has no claims for labor and materials filed against the contractor; and
        iii. Other terms of the contract; or

    b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

LIST OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS

NAME OF CONTRACTOR: _____

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR, PARTNER IN A JV) and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION or ESTIMATED COMPLETION TIME	TOTAL CONTRACT VALUE AT COMPLETION IF APPLICABLE	PERCENTAGE		VALUE OF OUTSTANDING WORKS (IN PHP)
									ACTUAL ACCOMPLISHMENT	PLANNED ACCOMPLISHMENT	
									TOTAL AMOUNT (Php) OF OUTSTANDING WORKS		

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

LIST OF ALL AWARDED BUT NOT YET STARTED GOVERNMENT AND PRIVATE CONTRACTS OF THE BIDDER

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

PROJECT TITLE & EXACT LOCATION	MAJOR SCOPE OF WORKS & DATE STARTED	NAME AND ADDRESS OF PROJECT OWNER	CONTRACT PRICE (PHP) AS AWARDED	DATE OF SCHEDULED COMPLETION	ROLE OF BIDDER IN THE CONTRACT SOLE CONTRACTOR / SUB-CONTRACTOR/PARTNER IN A
		TOTAL AMOUNT OF CONTRACT (Php)			

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR, PARTNER IN A JV) and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION or ESTIMATED COMPLETION TIME	TOTAL CONTRACT VALUE AT COMPLETION IF APPLICABLE

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

LIST OF MAJOR EQUIPMENT TO BE USED FOR THE PROJECT

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

TYPE	DESCRIPTION / CAPACITY	SERIAL NO.	YEAR ACQUIRED	PRESENT LOCATION (SPECIFIC ADDRESS)	STATUS OF AVAILABILITY (OWNED/LEASED)

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

A. LIST OF KEY CONSTRUCTION PERSONNEL TO BE ASSIGNED TO THE PROJECT

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

NAME	POSITION	AGE	EDUCATIONAL ATTAINMENT	TYPE OF CONSTRUCTION EXPERIENCE	NO.OF YEARS WITH THE CONTRACTOR	PROFESSION	PRC NO.

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

NAME OF BIDDER: _____

CURRENT ASSETS*		PHP	
(LESS) CURRENT LIABILITIES*	(LESS)	PHP	
NETWORTH		PHP	
NETWORTH x 15	x 15	PHP	
(LESS) VALUE OF ALL OUTSTANDING ON-GOING CONTRACTS**	(LESS)	PHP	
(LESS) VALUE OF ALL AWARDED BUT NOT YET STARTED CONTRACTS AS OF DATE**	(LESS)	PHP	
NET FINANCIAL CONTRACTING CAPACITY		PHP	

NOTES:

* CURRENT ASSETS AND LIABILITIES BASED ON AUDITED FINANCIAL STATEMENT FOR THE PRECEDING CALENDAR YEAR SUBMITTED TO B.I.R.

** BASED ON LIST OF ON-GOING AND AWRDED BUT NOT YEY STARTED CONTRACTS SUBMITTED

REPUBLIC OF THE PHILIPPINES)

_____) S. S.

AFFIDAVIT OF UNDERTAKING

I, _____, of legal age, Filipino, _____ ***[OFFICER OR REPRESENTATIVE]*** _____

with office address at _____ after having been duly sworn to in accordance with law, hereby voluntary depose and state:

That I am duly authorized representative of the **[Name of Bidder** _____ to execute this undertaking as evidenced by Secretary's Certificate and Board Resolution.

That **[Name of Bidder]** bidding for the (Name of Project)

That relative to the aforementioned Project, the [Name of Bidder] hereby undertake that the equipment to be use and the key personnel to be assign shall exclusively be used and will only perform to the said project until its completion.

That I am executing this affidavit to attest to the truth of the foregoing and in compliance with the submission of the technical requirements for the public bidding of the said project.

IN WITNESS HEREOF, I have hereunto signed my name below this _____ day of_____, _____ at _____.

AFFIANT FURTHER SAYETH NAUGHT.

_____

Affiant

SUBSCRIBED AND SWORN TO BEFORE ME this ___ day of _____, _____ in _____,

affiant exhibiting to me his/her _____ issued at _____ on _____.

Doc. No. ;
Page No. ;
Book No. ;
Series of 2020

_____

Notary Public


Republic of the Philippines
gppb
Government Procurement Policy Board