

PHILIPPINE BIDDING DOCUMENTS

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

**PROPOSED REHABILITATION OF POLICE STATION 10 AT
BARANGAY KAMUNING**

**Project number:
22-00069**

**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 INFRASTRUCTURE &
CONSULTANCY



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

February 21, 2022

Invitation to Bid

No	Project No.	Project Name	Location	Amount	Duration Cal. Days	Office	Source Fund
<u>Buildings – Small B</u>							
1	22-00057	Proposed Rehabilitation of Tennis Court Clubhouse at Barangay Marilag	Marilag	1,422,335.72	90	Engineering Department	Engineering Department
2	22-00058	Proposed Construction of Handwashing Facility and Rehabilitation of Comfort Rooms at Masambong High School	Masambong	1,430,662.67	60	Engineering Department	Special Education Fund
3	22-00059	Proposed Construction of Handwashing Facility and Rehabilitation of Comfort Rooms at Justice Cecilia Muñoz Palma High School	Payatas	1,454,032.48	60	Engineering Department	Special Education Fund
4	22-00060	Proposed Construction of Handwashing Facility and Rehabilitation of Comfort Rooms at Quezon City Science High School	Sto. Cristo	2,447,399.33	60	Engineering Department	Special Education Fund
5	22-00061	Proposed Construction of Roofing and Rehabilitation of Multipurpose Hall at Barangay Kristong Hari	Kristong Hari	3,300,872.34	120	Engineering Department	OCM-20% CDF
6	22-00062	Proposed Rehabilitation of Comfort Rooms at Sauyo High School	Sauyo	3,453,351.14	120	Engineering Department	Special Education Fund
7	22-00063	Proposed Construction of Handwashing Facility and Rehabilitation of Comfort Rooms at Bagong Silangan Elementary School	Bagong Silangan	3,471,667.31	60	Engineering Department	Special Education Fund
8	22-00064	Proposed Rehabilitation of Basketball Court at Faustina Street in Barangay Holy Spirit	Holy Spirit	6,466,841.58	120	Engineering Department	Engineering Department
9	22-00065	Proposed Rehabilitation of Barangay Hall at Barangay Bayanihan	Bayanihan	7,315,815.77	120	Engineering Department	Special Education Fund
10	22-00066	Proposed Construction of Badminton Court at Acropolis Greens Homeowners Tennis Court Building at Barangay Bagumbayan	Bagumbayan	13,754,732.29	210	Engineering Department	Engineering Department
11	22-00067	Proposed Rehabilitation of Barangay Hall at Barangay Kamuning	Kamuning	16,653,378.78	210	Engineering Department	Engineering Department

12	22-00068	Proposed Construction of Four (4) Storey with Covered Roof Deck, Barangay Hall at Barangay West Kamias	West Kamias	22,287,115.12	270	Engineering Department	Engineering Department
13	22-00069	Proposed Rehabilitation of Police Station 10 at Barangay Kamuning	Kamuning	24,095,855.77	240	Engineering Department	Engineering Department
14	22-00070	Proposed Construction of Remaining Works for the 2 3 Storey Buildings, Housing 32 (Balingasa)	Balingasa	27,432,958.14	270	Engineering Department	Housing Community Development and Resettlement Department

Buildings – Medium A

15	22-00071	Proposed Construction of Three (3) Storey Multi-Purpose Building (Phase-1) at Barangay Project 6	Project 6	60,391,917.88	300	Engineering Department	OCM-20% CDF
16	22-00072	Proposed Construction of Quezon City Jail Fence and Guard Tower (Phase 2)	Bagong Silangan	86,771,396.36	360	Engineering Department	Engineering Department-Continuing Appropriation
17	22-00073	Proposed Construction of Three (3) Storey Parking Building with Roof Deck at Barangay Loyola Heights (Phase 1)	Loyola Heights	89,412,605.98	330	Engineering Department	Engineering Department

Buildings – Large B

18	22-00074	Proposed Construction of Housing 32 – Balingasa High Rise Housing (Phase 1A) at Brgy. Balingasa	Balingasa	454,323,547.80	510	Engineering Department	Housing Community Development and Resettlement Department
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Flood Control – Small B

19	22-00075	Proposed Construction of Reinforced Concrete Retaining Wall at Pasong Tamo River (Tandang Sora Avenue) in Barangay Culiat	Culiat	13,455,123.58	180	Engineering Department	OCM - LDRRMF
20	22-00076	Proposed Construction of Reinforced Concrete Retaining Wall at Blk. 15 (Violago Parkwood Hills) in Barangay Bagong Silangan	Bagong Silangan	15,524,797.05	180	Engineering Department	OCM - LDRRMF

Flood Control – Medium A

21	22-00077	Proposed Construction of Reinforced Concrete Canal at Sampaguita Creek (Maligaya Park Subdivision) in Barangay Pasong Putik	Pasong Putik	56,309,183.41	300	Engineering Department	OCM - LDRRMF
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Parks – Small B

22	22-00078	Landscape Development of Baesa Columbarium	Baesa	3,497,838.42	60	Parks Development & Admin. Dept.	Engineering Department
23	22-00079	Proposed Improvement of West Triangle Mini Park	West Triangle	3,697,090.86	75	Parks Development & Admin. Dept.	Engineering Department
24	22-00080	Proposed Construction of Pedestrian Safety Island Pocket Park at East Avenue corner NIA Road	Central	5,555,100.50	105	Parks Development & Admin. Dept.	Engineering Department
25	22-00081	Proposed Improvement of People's Park along Quezon Avenue	Tatalon	10,134,490.29	180	Parks Development & Admin. Dept.	Engineering Department
26	22-00082	Proposed Improvement of St. James Park along St. Benedict Street, St. James Subd.	Nagkaisang Nayon	15,972,224.89	225	Parks Development & Admin. Dept.	Engineering Department

Roads – Small B

27	22-00083	Proposed Rehabilitation of Road and Drainage at Albay Street in Barangay Alicia	Alicia	1,095,756.90	90	Engineering Department	OCM-20% CDF
28	22-00084	Proposed Rehabilitation (Surface Improvement) at Doña Rosario Compound	Novaliches Proper	1,320,422.33	20	Engineering Department	OCM-20% CDF
29	22-00085	Proposed Rehabilitation (Surface Improvement) at Doña Isaura Street	Novaliches Proper	1,754,468.25	30	Engineering Department	OCM-20% CDF
30	22-00086	Proposed Rehabilitation (Surface Improvement) at Doña Rosario Street	Novaliches Proper	2,254,674.45	20	Engineering Department	OCM-20% CDF
31	22-00087	Proposed Rehabilitation (Surface Improvement) at Austria Street	Novaliches Proper	3,191,904.00	90	Engineering Department	OCM-20% CDF
32	22-00088	Proposed Rehabilitation of Drainage and Surface Improvement at Kaliraya Street in Barangay Doña Josefa	Doña Josefa	3,263,621.90	90	Engineering Department	OCM-20% CDF
33	22-00089	Proposed Rehabilitation of Sidewalk, Curband Gutter of Anonas Extension in Barangay Sikatuna Village	Sikatuna Village	3,794,636.09	90	Engineering Department	OCM-20% CDF
34	22-00090	Proposed Rehabilitation (Surface Improvement) at S. Benito Street in Barangay Holy Spirit	Holy Spirit	4,084,087.37	40	Engineering Department	OCM-20% CDF
35	22-00091	Proposed Rehabilitation of Road and Drainage at Balabac Street in Doña Imelda	Doña Imelda	11,835,617.22	180	Engineering Department	OCM-20% CDF

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 **22 February 2022 (Tuesday)** 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 **March 2, 2022 - 5:00PM**.

6. The **QC- BAC- INFRASTRUCTURE & CONSULTANCY** will hold a Pre-Bid Conference¹ on **March 3, 2022 at 9:00 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

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.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before **March 17, 2022 – 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 **March 17, 2022 - 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

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 POLICE STATION 10 AT BARANGAY KAMUNING**, with Project Identification Number **22-00069**.

[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 **2022** in the amount of **Twenty-Four Million Ninety-Five Thousand Eight Hundred Fifty-Five Pesos and 77/100 Cts. (P 24,095,855.77)**.

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 “P” 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 **March 3, 2022, 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

ITB Clause																																									
5.2	For this purpose, similar contracts shall refer to contracts which have the same major categories of work.																																								
7.1	Subcontracting is not allowed.																																								
10.3	<i>No additional contractor license or permit is required</i> <i>In addition, eligible bidders shall qualify or comply with the following:</i> 1. Bidders with valid Philippine Contractors Accreditation Board (PCAB) Type Building - Small B																																								
10.4	<table><tr><td colspan="4">The minimum work experience requirements for key personnel are the following:</td></tr><tr><td>Qty.</td><td>Key Personnel</td><td>General Experience</td><td>Relevant Experience</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>9</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>9</td><td>Laborer</td><td>1 year</td><td>3 months</td></tr><tr><td colspan="4"><i>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.</i></td></tr></table>	The minimum work experience requirements for key personnel are the following:				Qty.	Key Personnel	General Experience	Relevant Experience	1	Project Engineer	3 years	3 years	1	DPWH duly accredited Materials Engineer	3 years	3 years	1	Safety Officer	3 years	3 years	1	Foreman	3 years	3 years	9	Skilled Worker	3 years	3 years	1	Driver	3 years	3 years	9	Laborer	1 year	3 months	<i>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.</i>			
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	<i>notarized stating that the foregoing equipment shall be used exclusively for the project until its completion. Please see attached bid forms.</i>
12	<i>[Insert Value Engineering clause if allowed.]</i>
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration with project number, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a) The amount of not less than Php 481,917.12 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 1,204,792.79 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	<p>Additional Contract Documents relevant to the Project as required:</p> <ol style="list-style-type: none"> 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: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[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:]</i> Fifteen (15) years.</p> <p><i>[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:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
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	<p>The date by which operating and maintenance manuals are required is <i>thirty (30) days</i></p> <p>The date by which "as built" drawings are required as part of final payment</p>
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

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TECHNICAL SPECIFICATIONS
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

PROJECT TITLE: PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING ✓

LOCATION: BARANGAY KAMUNING, DISTRICT 4, 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.

III. CIVIL / STRUCTURAL WORKS

A. 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.

B. 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. PROVISION OF CABINET

- a. Good Lumber must be 2" x 2" x 10' for support frames and main frames.
- b. 1/2" thick Plywood must be used.
- c. Countertop must be finished with 300mm x 300mm Tiles.

C. FABRICATED DOORS & WINDOWS

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

D. 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, puttied, 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, floor 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 2m 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).
- B. 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 15 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 3H.
 - 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, 99 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.



ALVIN FRANCIS C. ABON

Planning and Programming Division



JOCELYN A. NAONG

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 PERSPECTIVE



2 SITE DEVELOPMENT PLAN



3 VICINITY MAP

NOT TO SCALE



4 LOCATION MAP

NOT TO SCALE

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Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE: February 15, 2023
DESIGNED BY: JEN
REVISION NO.:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & DESIGN DIVISION

RECOMMENDING APPROVAL:

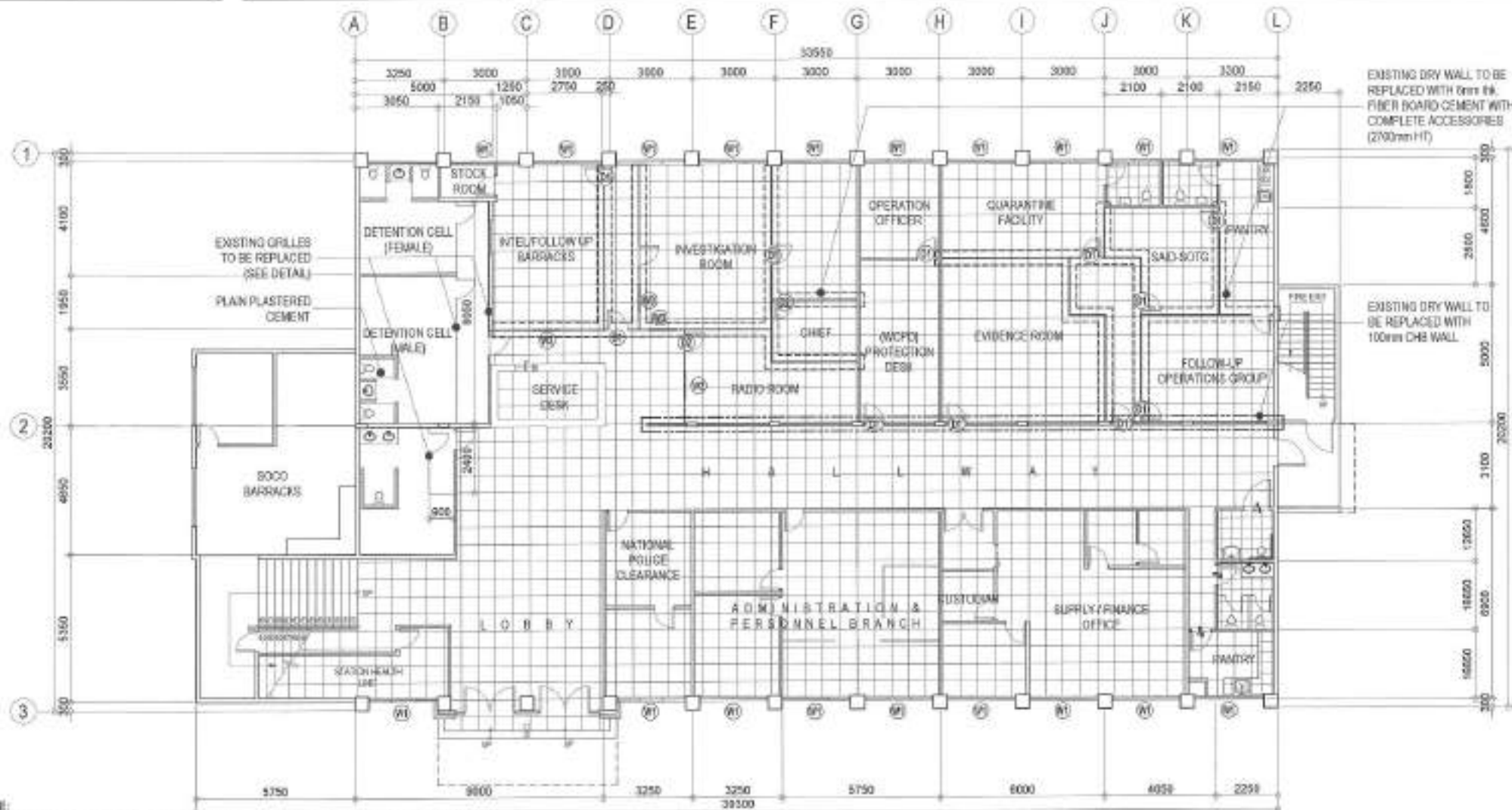
ENGR. ISAGANI R. VERZOSA, JR.
DC OFFICE ENGINEERING DIVISION

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
SITTING, QUEZON CITY

SHEET CONTENT
PERSPECTIVE
SITE DEVELOPMENT PLAN
VICINITY MAP
LOCATION MAP

SHEET NO.
AR-01
0129



NOTE:

- EXISTING DRY WALL TO BE REPLACED WITH 5mm IN. FIBER BOARD CEMENT WITH COMPLETE ACCESSORIES (2700mm HT)
- EXISTING DRY WALL TO BE REPLACED WITH 100mm CHB WALL
- EXISTING FLOOR TILES TO BE REPLACED WITH 600mm x 600mm HOMOGENEOUS TILES
- EXISTING CR TILES TO BE REPLACED WITH 400mm x 400mm NON-SKID HOMOGENEOUS TILES
- EXISTING STAIR TILES TO BE REPLACED WITH 300mm x 300mm NON-SKID HOMOGENEOUS TILE
- LABELLED DOORS AND WINDOW TO BE REPLACED
- EXISTING COUNTER TOP TILES TO BE REPLACED
- EXISTING TOILET TILES TO BE REPLACED
- EXISTING WHOLE STRUCTURE TO BE REPAINTED

1 GROUND FLOOR PLAN

SCALE: 1:150 METERS



Republika ng Pilipinas
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LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE: February 15, 2022
DRAWN BY: JEN
DESIGNED BY: JEN
REVISION NO.:

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

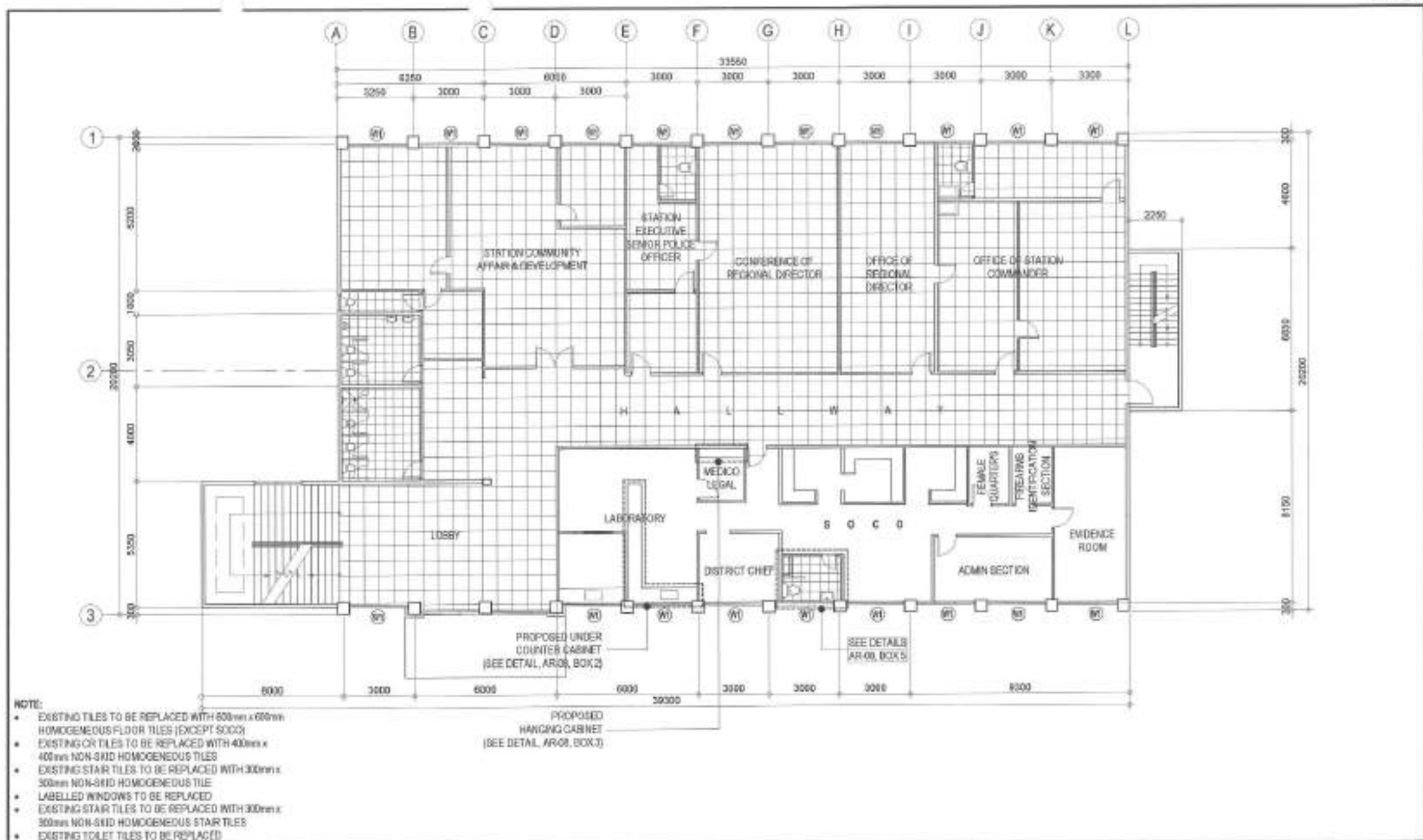
RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CHIEF, CITY REHABILITATION DEPARTMENT

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

SHEET CONTENT
POLICE FLOOR PLAN

SHEET NO.

AR-02
0229



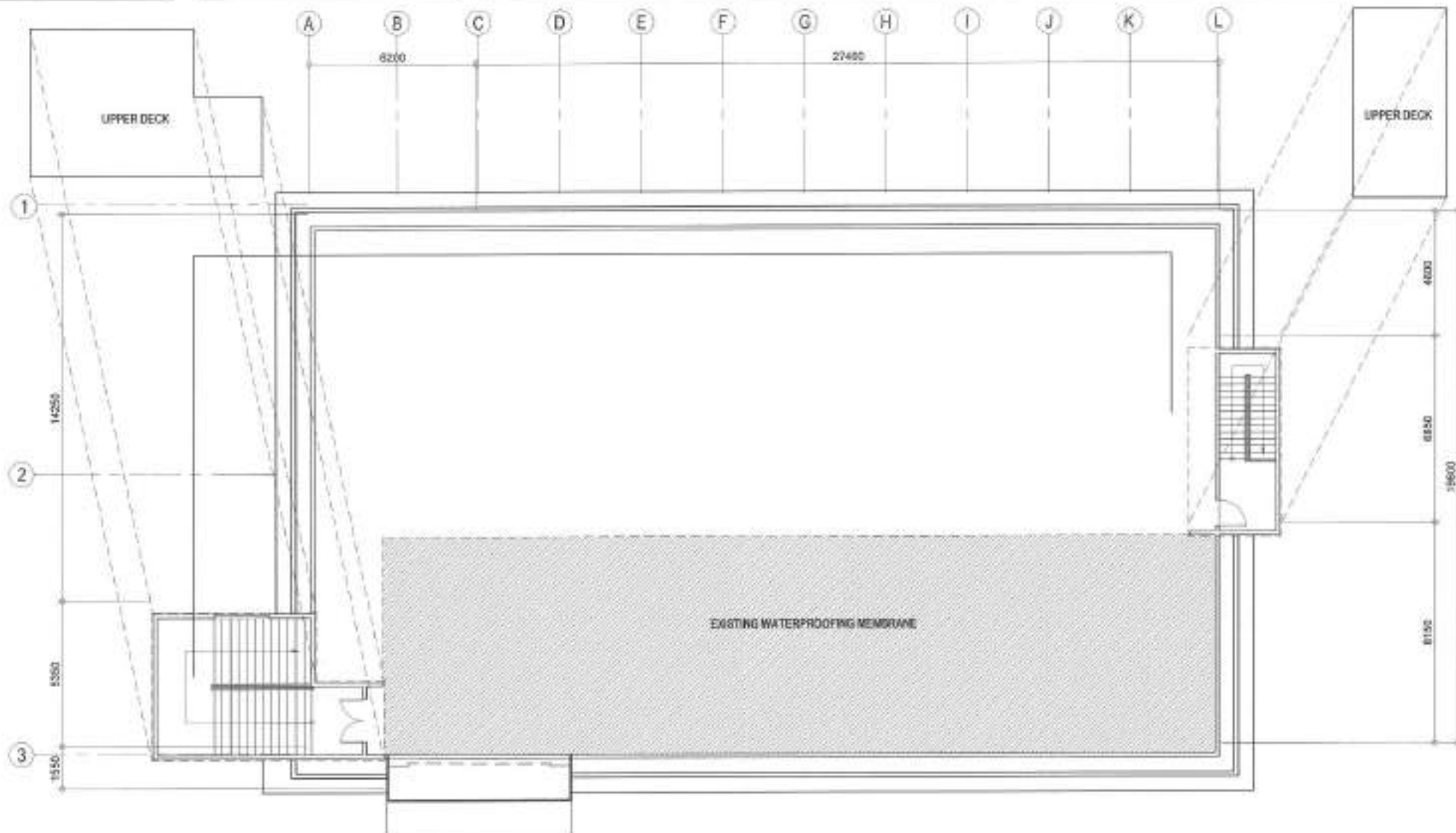
1 SECOND FLOOR PLAN

SCALE: 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:	DATE: January 15, 2023	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET NO.
PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	CHECKED BY: J.A.H.	ENGR. LEO S. DEL ROSARIO 1610, LUNGED NG QUEZON DIVISION	ENGR. BAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY ENGINEER, QUEZON CITY	SECOND FLOOR PLAN	AR-03 0329
LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	DESIGN NO.:					


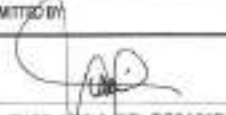



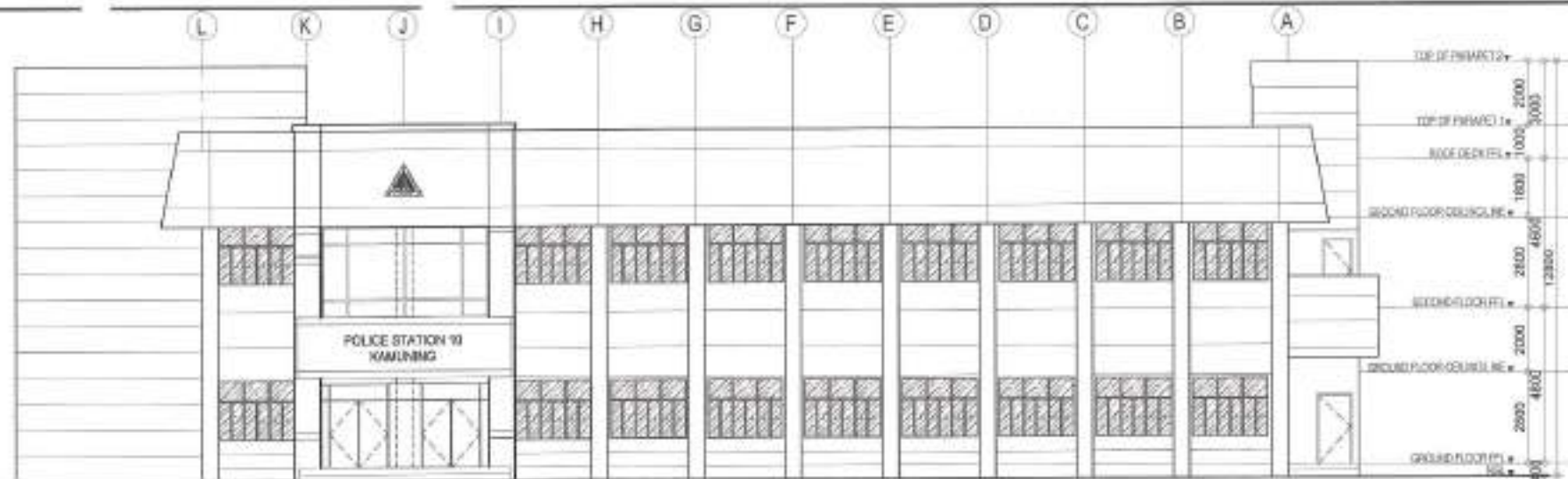
NOTE:

- WATERPROOFING TO BE APPLIED TO ENTIRE ROOF DECK INCLUDING UPPER DECK
- EXISTING WATERPROOFING TO BE OVERLAPPED

1 ROOF DECK

SCALE : 1:150 METERS

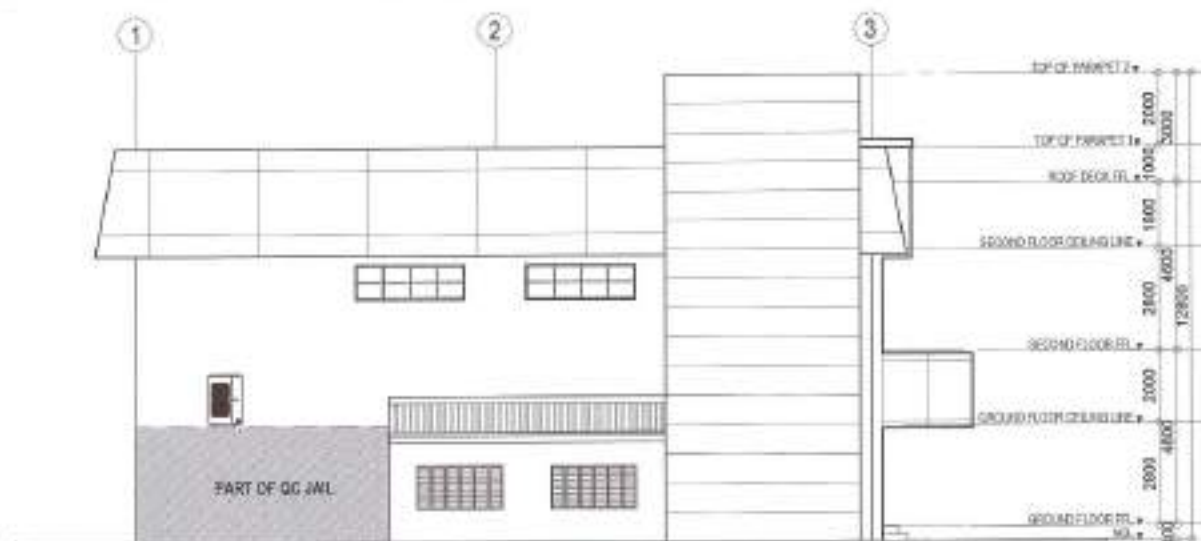
 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DRAWN BY: J. A. A.	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET NO.
	PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	DATE: February 15, 2023	 ENGR. LEO S. DEL ROSARIO <small>HEAD, PLUMBING DIVISION</small>	 ENGR. ISAGANI R. VERZOSA, JR. <small>HEAD, CIVIL ENGINEERING DIVISION</small>	MON. MA. JOSEFINA G. BELMONTE <small>DEPUTY CITY ENGINEER</small>	ROOF DECK	AR-04 04/29
	LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	CHECKED BY: J. A. A.					



NOTE:
 • EXISTING STRUCTURE TO BE REPAINTED
 • EXISTING DOORS AND WINDOWS TO BE REPLACED

1 FRONT ELEVATION


SCALE : 1:150 METERS



NOTE:
 • EXISTING STRUCTURE TO BE REPAINTED

2 LEFT SIDE ELEVATION

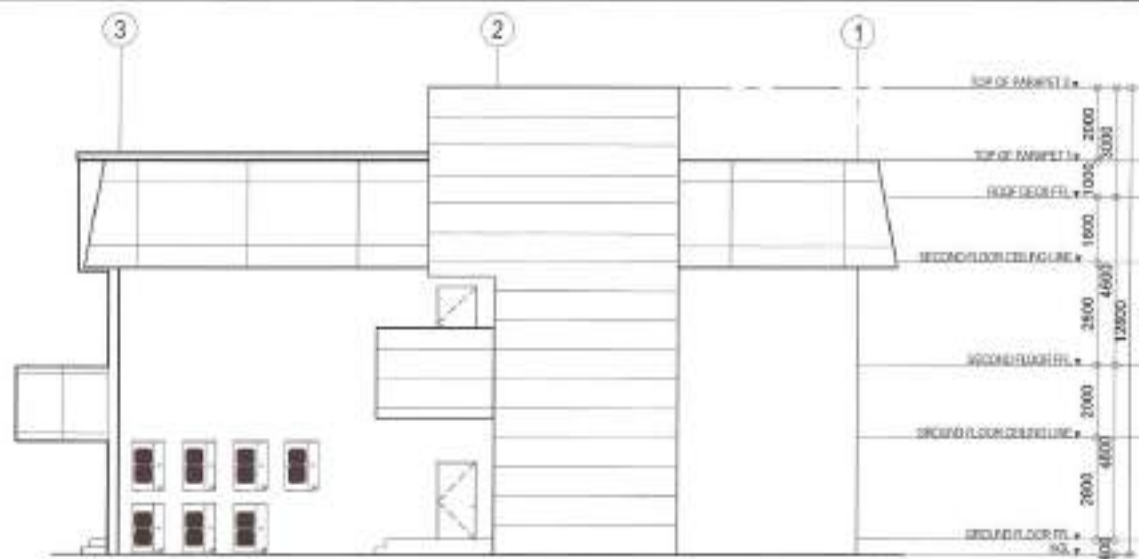
SCALE : 1:150 METERS

 <p>Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT</p>	PROJECT TITLE:	DATE: January 11, 2021	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
	PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	CHECKED BY: JSA	ENGR. LEO S. DEL ROSARIO	ENGR. ISAGANI R. VERZOSA, JR.	HON. MA. JOSEFINA G. BELMONTE	FRONT ELEVATION LEFT SIDE ELEVATION	AR-05 0529
	LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	REVISION NO.:	ENGR. LEO S. DEL ROSARIO CITY ENGINEERING DEPARTMENT	ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY ENGINEERING DEPARTMENT		

- EXISTING STRUCTURE TO BE REPAINTING
- EXISTING WINDOWS TO BE REPLACED

1	REAR ELEVATION
---	----------------

SCALE : 1:150 METERS



- EXISTING STRUCTURE TO BE REPAINTING.

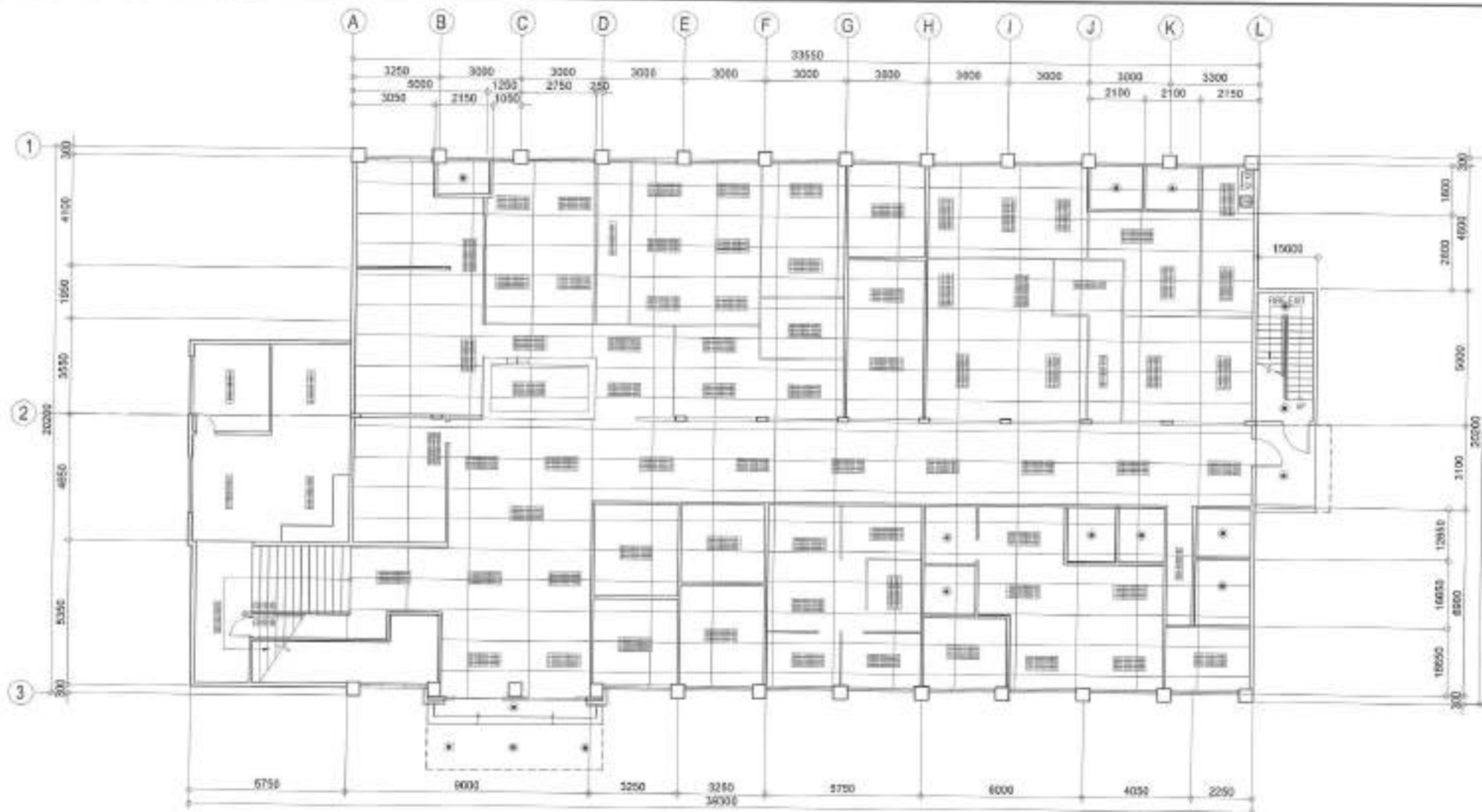
2 RIGHT SIDE ELEVATION

SCALE : 1:100 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:	DESIGNED BY: 	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	DATE: February 16, 2020 CHECKED BY: J.A.N.	 ENGR. LEO S. DEL ROSARIO MTC, PLANNING & PROGRAMS DIVISION	 ENGR. ISAGANI R. VERZOSA, JR. MTC, CITY ENGINEERING DEPARTMENT	 HON. MA. JOSEFINA G. BELMONTE CITY ENGINEER, QUEZON CITY	DATE & LOCATION FEB 17, 2020 (S. DEL ROSARIO)	
LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	ENGINEER-IN-CHARGE:					



NOTE:

- EXISTING CEILING TO BE REPLACED WITH 6mm FIBER CEMENT BOARD WITH COMPLETE ACCESSORIES

1 GROUND FLOOR REFLECTED CEILING PLAN

SCALE : 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**

LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE: February 15, 2020

DESIGNED BY: J.A.

REVISION NO.

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
HEAD PLANNING & RECOMMENDATION

RECOMMENDING APPROVAL:

ENGR. ISMAEL R. VERZOSA, JR.
CITY ENGINEERING DEPARTMENT

APPROVED BY:

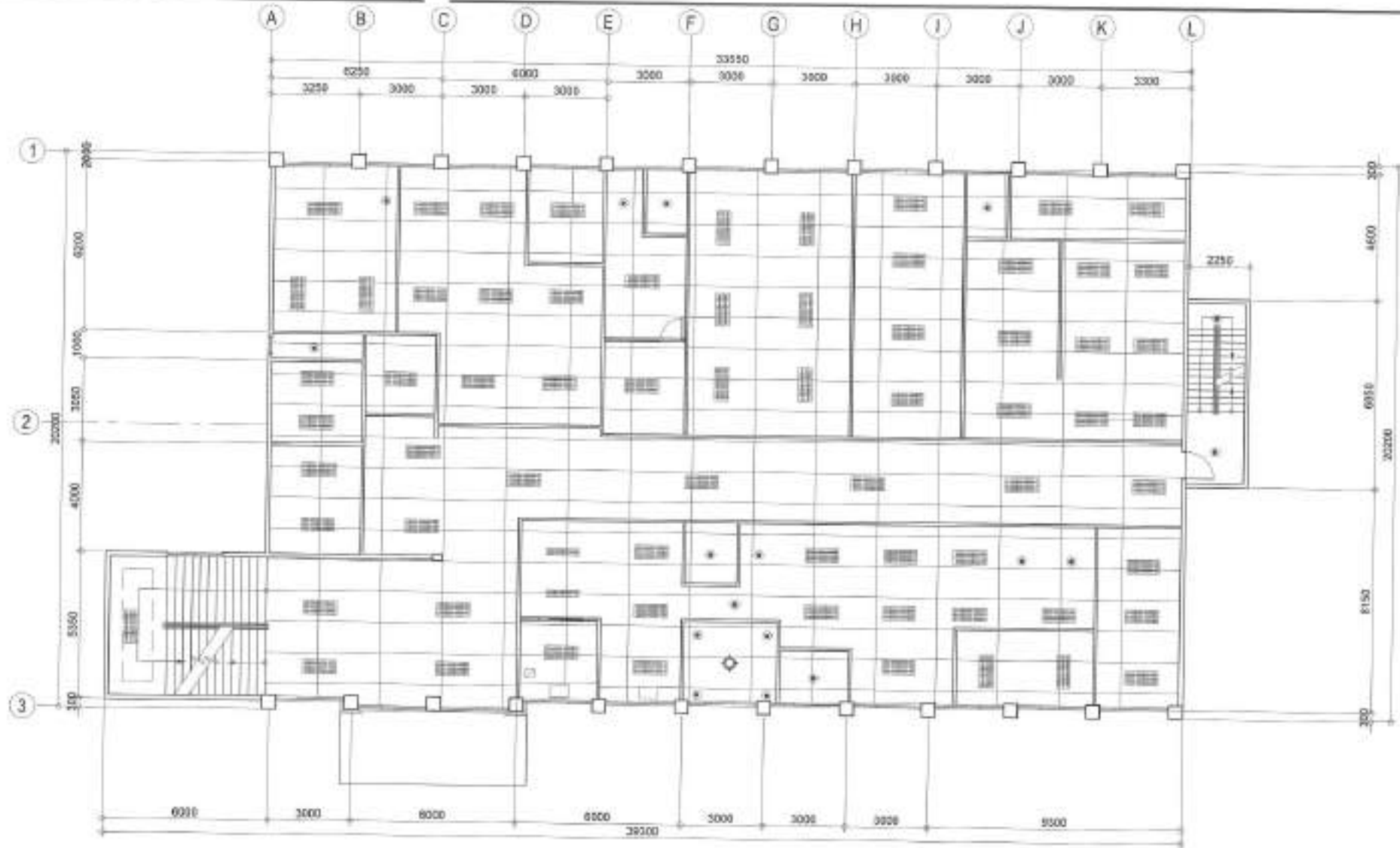
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT

GROUND FLOOR
REFLECTED CEILING PLAN

SHEET NO.

AR-07
0729



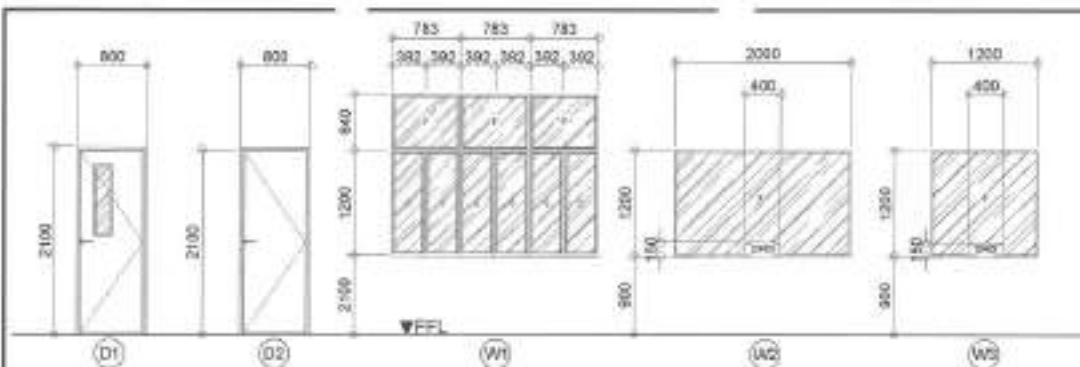
1 SECOND FLOOR REFLECTED CEILING PLAN

SCALE: 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

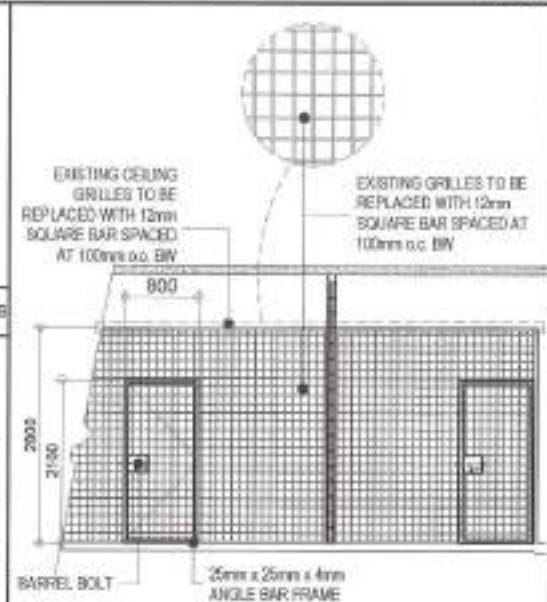
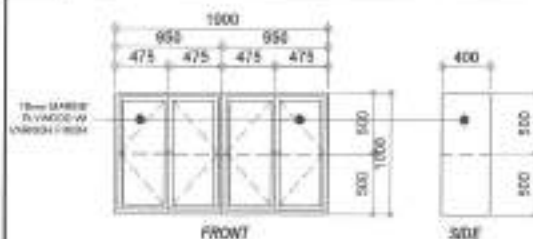
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PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	08/29/2024	LEO S. DEL ROSARIO		ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & MODERNIZATION DIVISION	ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR, QUEZON CITY	SECOND FLOOR REFLECTED CEILING PLAN	AR-08 08/29



MARK	# OF UNITS	DESCRIPTION	REMARKS	MARK	# OF UNITS	DESCRIPTION	REMARKS
(D1)	11 SETS	PANEL DOOR WITH VENEER GLASS AND COMPLETE ACCESSORIES	WHITE OULCO FINISH	(W1)	28 SETS	SLIDING WINDOW	AVULOK FINISH
(D2)	3 SETS	PANEL DOOR COMPLETE ACCESSORIES	AVULOK FINISH	(W2)	1 SET	6mm T-8 TEMPERED GLASS ON U-CANAL ALUMINUM FRAME	AVULOK FINISH
				(W3)	4 SETS	6mm T-8 TEMPERED GLASS ON U-CANAL ALUMINUM FRAME	AVULOK FINISH

2 UNDER COUNTER CABINET DETAIL

NTB



1 SCHEDULE OF DOORS AND WINDOWS

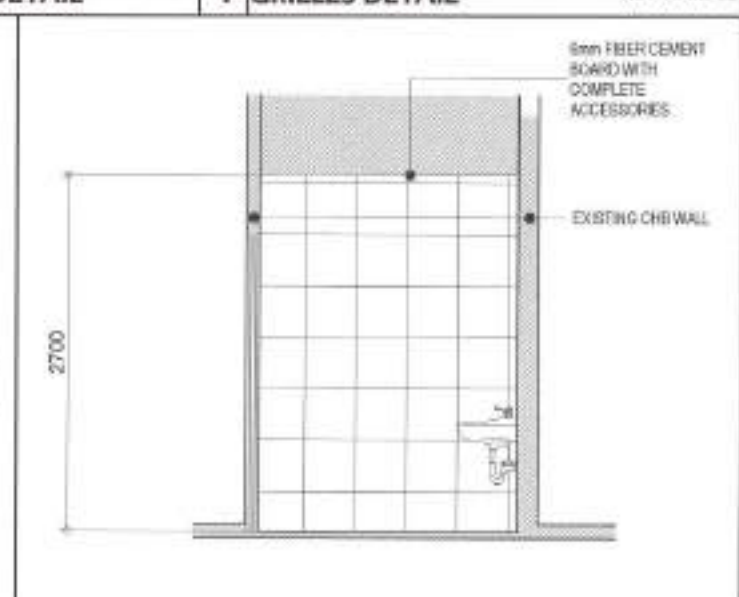
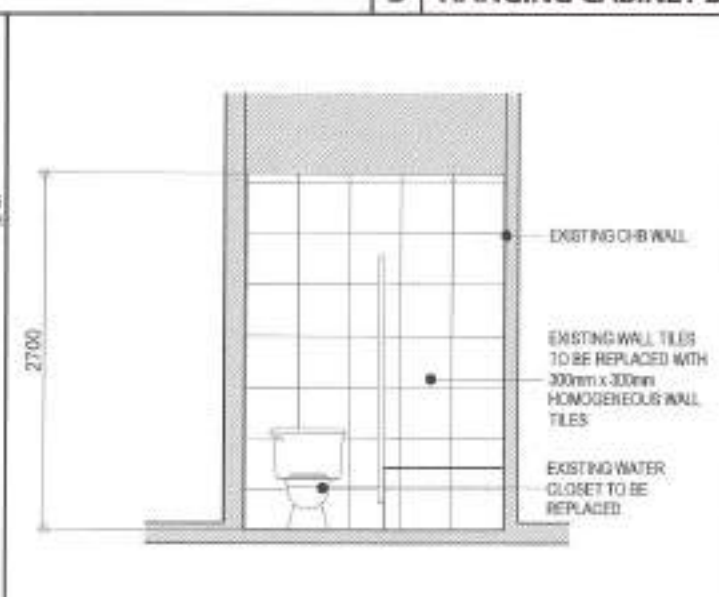
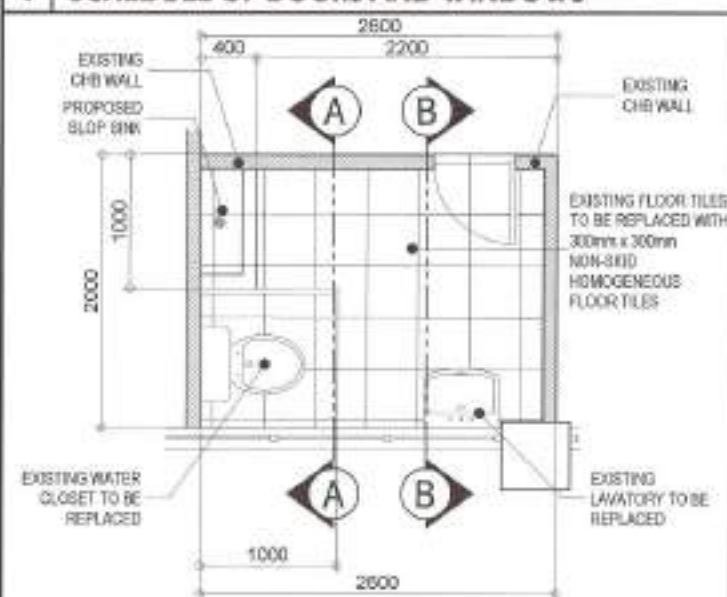
NOT TO SCALE

3 HANGING CABINET DETAIL

NTB

4 GRILLES DETAIL

NOT TO SCALE



5 PLAN

SCALE: 1:40 METERS

6 SECTION "A"

SCALE: 1:40 METERS

7 SECTION "B"

SCALE: 1:40 METERS



Republika ng Pilipinas
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CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DESIGNED BY:
SAC: FERRER, S. S.
CHECKED BY: J. N.
REVISIONS:

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

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CHIEF, DESIGN DIVISION

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY ENGINEER

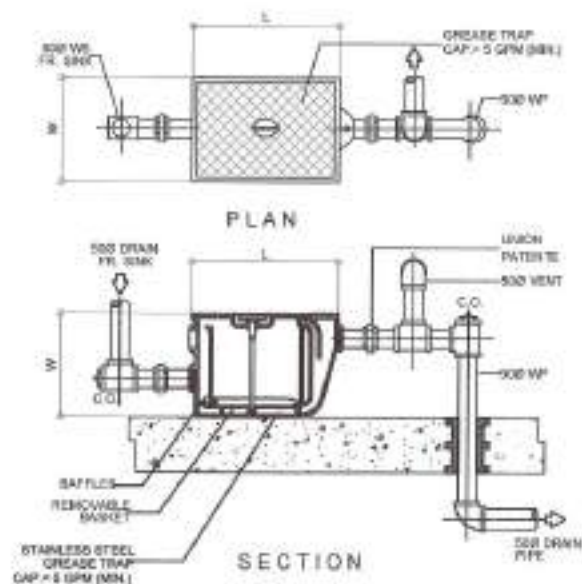
SHEET CONTENT:
SCHEDULE OF DOORS AND
WINDOWS
UNDER COUNTER CABINET
HANGING CABINET
GRILLES DETAIL
PLAN
SECTION "A"
SECTION "B"

SHEET NO.:
**AR-09
0929**

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 ENGR/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 CHLORINE 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.

1 GENERAL NOTES

SCALE : NTS



2 GREASE TRAP DETAILS

SCALE : NTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING

LOCATION :

BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY : CAM

DATE : February 15, 2020

CHECKED BY : JH

REVISION NO. :

3 SEPTIC TANK DETAILS

SCALE : NTS

SUBMITTED BY :

ENGR. LEO S. DEL ROSARIO
HEAD, PLUMBING & HYDRAULIC DIVISION

RECOMMENDING APPROVAL :

ENGR. MAGAN R. VERZOSA, JR.
DEPUTY PLUMBING SUPERVISOR

APPROVED BY :

HON. MA. JOSEFINA G. BELMONTE
CITY ENGINEER

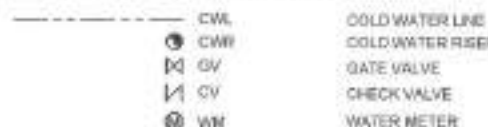
SHEET CONTENT :

GENERAL NOTES
GREASE TRAP DETAILS
SEPTIC TANK DETAILS

SHEET NO. :

PL-01
1029

I. WATER DISTRIBUTION SYSTEM :

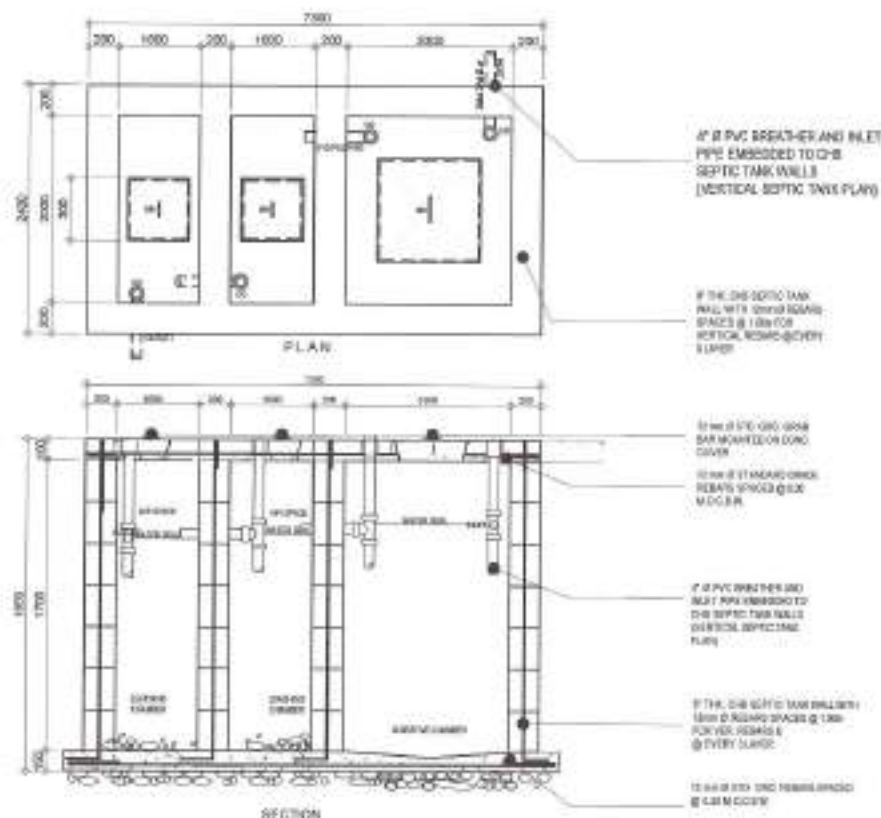


II. SEWER/WASTE AND VENT SYSTEM :



3 LEGENDS AND SYMBOLS

SCALE : NTS





NOTE

- EXISTING PLUMBING FIXTURES TO BE REPLACED

1 GROUND FLOOR WATERLINE LAYOUT

SCALE : 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY: *[Signature]*
DATE: February 15, 2023
CHECKED BY: *[Signature]*
REVISION NO.:

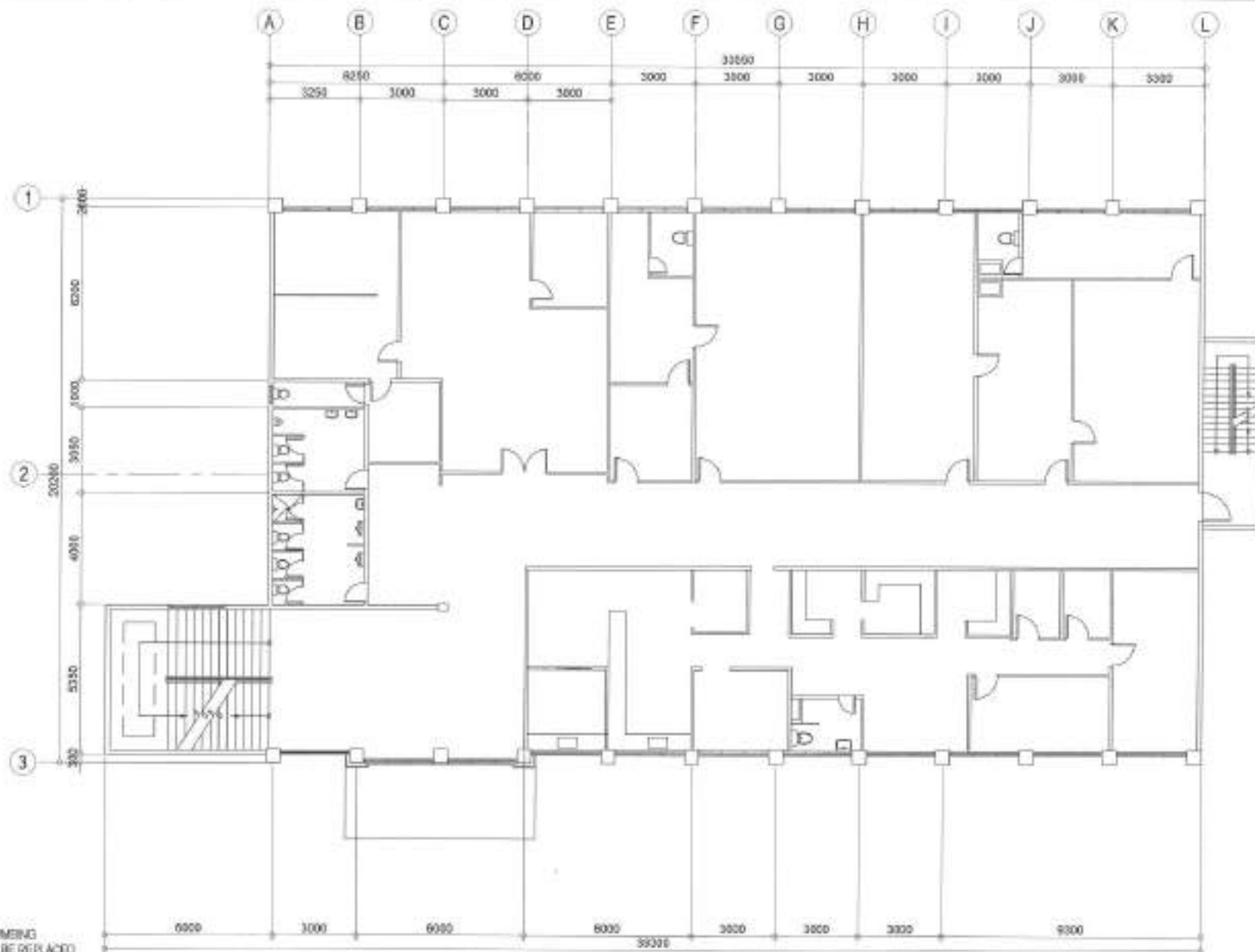
SUBMITTED BY:
[Signature]
ENGR. LEO S. DEL ROSARIO
HEAD PLANNING & DESIGN DIVISION

RECOMMENDING APPROVAL:
[Signature]
ENGR. ISAGANI R. VERZOSA, JR.
DEPUTY DIVISION ENGINEER

APPROVED BY:
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY ENGINEER

SHEET CONTENT
GROUND FLOOR
WATERLINE LAYOUT

SHEET NO.
**PL-02
1129**



1 SECOND FLOOR WATERLINE LAYOUT

SCALE : 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**

LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY: *[Signature]*
DATE: February 15, 2022
CHECKED BY: *[Signature]*
PERSON NO.:

SUBMITTED BY:
[Signature]
ENGR. LEO S. DEL ROSARIO
HEAD, PLUMBING & MECHANICAL DIVISION

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

APPROVED BY:
[Signature]
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR (DEPUTY)

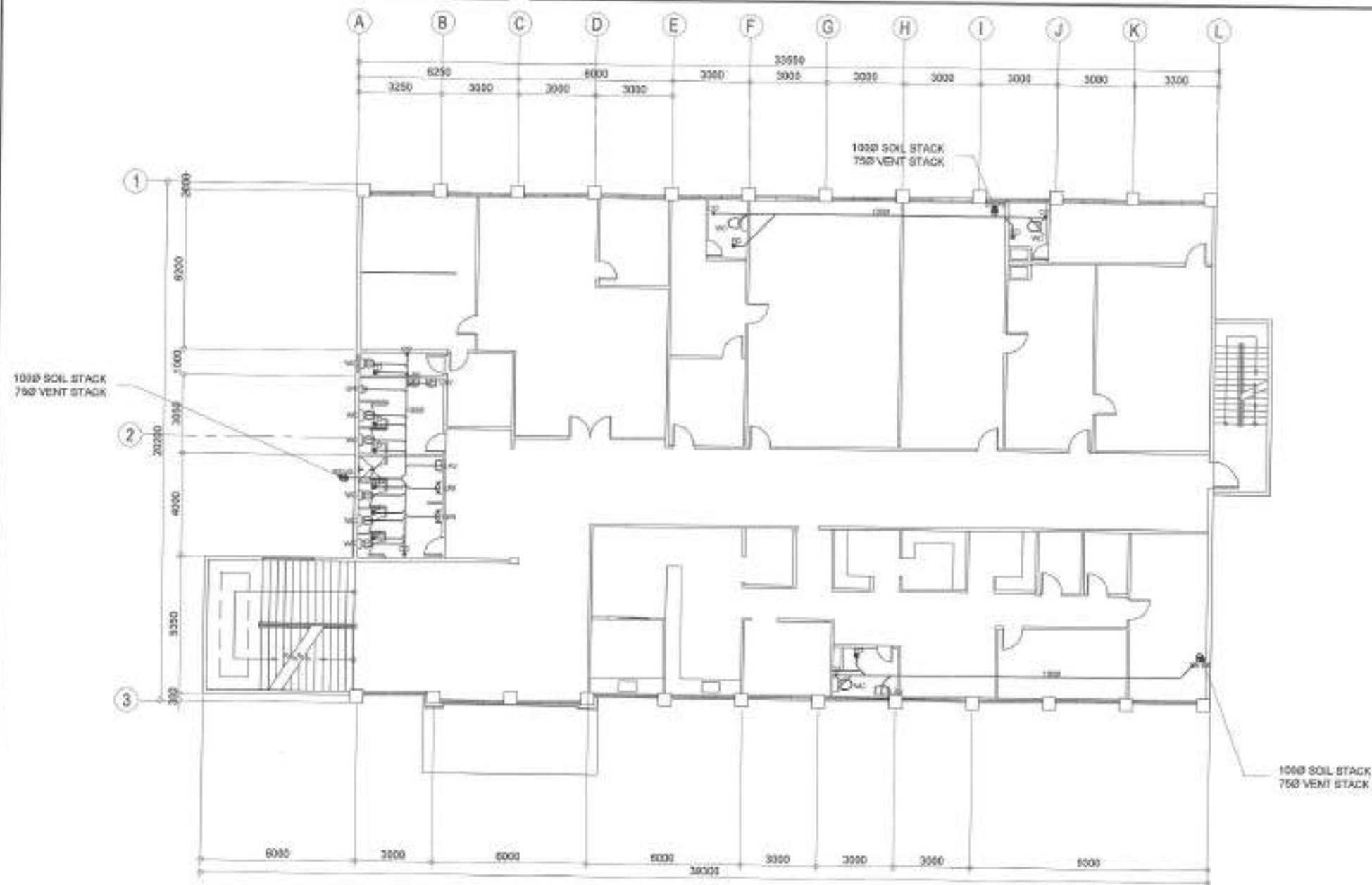
SHEET CONTENT:
SECOND FLOOR
WATERLINE LAYOUT

SHEET NO.
**PL-03
1229**

SCALE : 1:150 METERS

SHEET NO.

PL-04
1329



1 SECOND FLOOR SEWER LINE LAYOUT

SCALE : 1:100 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING

OWNER:

BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY:

DATE: February 11, 2022

CHECKED BY: JMS

REVISION NO.:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
SENIOR PLANNING & RECOMMENDING DESIGNER

RECOMMENDING APPROVAL:

ENGR. ISAGANI R. VERZOSA, JR.
SENIOR CITY ENGINEER/COMMISSIONER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT

SECOND FLOOR
SEWER LINE LAYOUT

SHEET NO.

PL-05
1429

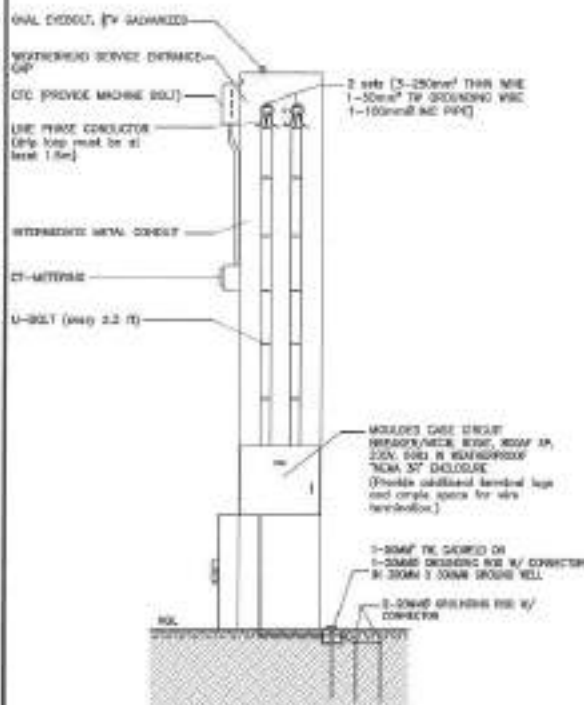
GENERAL NOTES:

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. ALL THREE-PHASE BRANCH CIRCUITS SHALL BE PVC CONDUITS AND FOR EXPOSED METALLIC CONDUIT SHALL BE THE SUPERSEDED CONDUIT CLAMPS EVERY 750MM MAX.
3. PULL BOXES SHALL BE PROVIDED BY THE CONTRACTOR WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON THE PLANS. SIZES OF ALL PULL BOXES SHALL BE COMPLETED BASED ON THE CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. LOCATION OF PULL BOXES SHALL BE APPROVED BY THE ARCHITECT/ENGINEER AND MUST BE REFLECTED ON THE AS-BUILT PLAN.
4. ALL POWER OUTLETS AND SWITCHES SHALL BE GROUNDING TYPE WITH PARALLEL SLOTS FOR 20A.
5. PROVIDE GROUND FAULT CURRENT INTERRUPTER (GFCI) BREAKERS FOR LIVES AFFECTED BY THE PLAN.
6. ALL METALLIC CONDUITS, CLAMPS AND EQUIPMENT SHALL BE PROPERLY GROUNDING AND GROUNDING.
7. UNLESS OTHERWISE NOTED, MOUNTING HEIGHT FOR WALL MOUNTED DEVICES SHALL BE AS FOLLOWS:
RECEPTACLE OUTLET - 300 MM AFT - 150MM ABOVE WORKING COUNTER.
TELEPHONE OUTLET - 100 MM AFT
DATA OUTLET - 300 MM AFT
LIGHTING SWITCH - 1400 MM AFT
PANELBOARD - 1800 MM AFT
8. REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR RATINGS AND LOCATION OF EQUIPMENT AS WELL AS THEIR CONTROL SEQUENCES AS SPECIFIED AND ON SHOWING UNDER THEIR RESPECTIVE SECTION.
9. ALL MATERIALS TO BE USED SHALL BE OF THE BEST QUALITY - BRAND NAMES SPECIFIED.
10. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PRESENT GENERAL LAYOUT AND BREAK OUTS. DISCREPANCY OF THE PROJECT BUT DO NOT NECESSARILY INDICATE DESCRIBED ACTUAL LOCATION, SIZE AND DISTANCE OF THE EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE SUCH ADJUSTMENT AT THE JOBSITE LOCATION. DISTANCES AND LEVELS ARE COVERED BY ACTUAL FIELD CONDITIONS.
11. ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION DECISION.
12. ALL LIGHTING AND CONVEYANCE OUTLET CIRCUITS SHALL BE 20A SQ. MM. 3-WIRE COPPER WIRE UNLESS OTHERWISE NOTED. MINIMUM SIZE OF WIRE SHALL BE 3.0 SQ. MM. COPPER WIRE. ALL WIRES AND CABLES SHALL BE COLOR CODED AS FOLLOWS:

PHASE A - RED
PHASE B - YELLOW
PHASE C - BLUE
NEUTRAL - WHITE
GROUND - GREEN

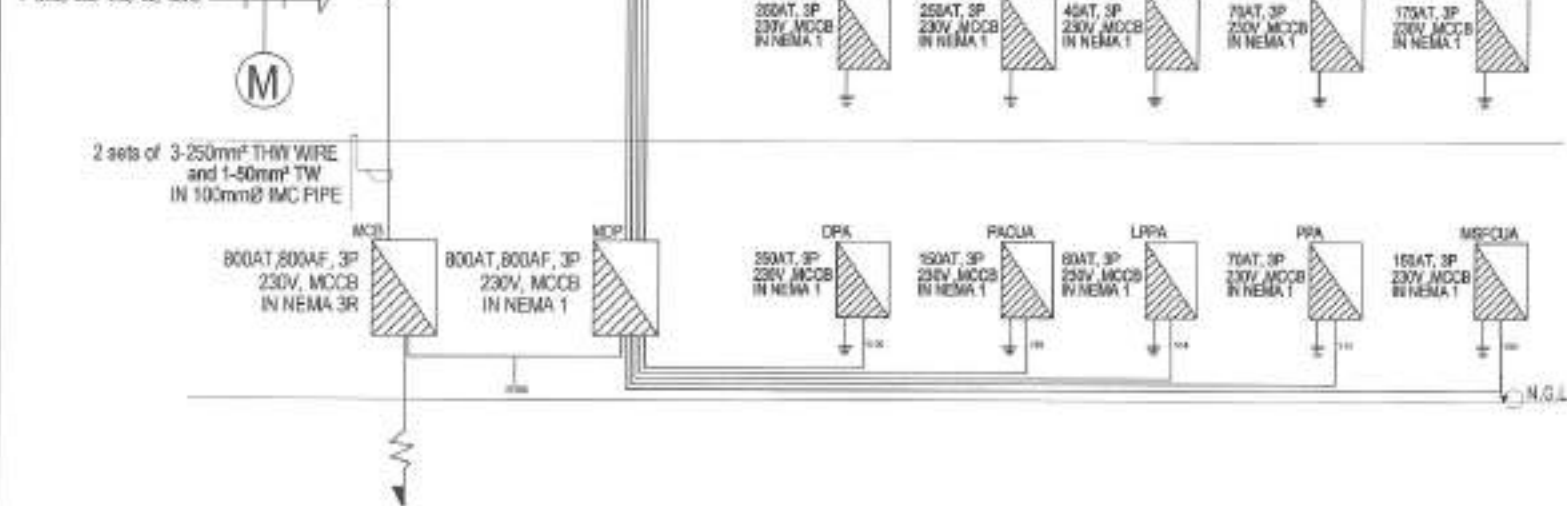
13. GROUND WIRE, OUTLET ENCLOSURE SHALL BE FABRICATED FROM STEEL WITH THICKNESS AS FOLLOWS:
MINIMUM WIDTH OF THE WIRELESS SURFACE STEEL
UP TO INCLUDING 62.4MM
AND TOPGATE
OVER 151.4MM BUT NOT OVER 407.6
AND TOPGATE
OVER 407.6MM BUT NOT OVER 762MM
AND TOPGATE
OVER 762MM
AND TOPGATE
OVER 762MM
AND TOPGATE
OVER 762MM

14. ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTED BY EXPERIENCED MEN UNDER THE DIRECT SUPERVISION OF A FULL-TIME LICENSED ELECTRICAL ENGINEER. AND A FULLY ACCREDITED ELECTRICAL CONTRACTOR BY POOR. WORKS SHALL BE HEAVILY PLACED, ACCURATELY FASTENED AND PROPERLY FINISHED.
15. TYPE OF SERVICE ENTRANCE SHALL BE THREE-PHASE, THREE-WIRE PLUS GROUND, 200V/120V/400V/208V/240V/480V/600V/720V/840V/960V/1080V/1200V/1380V/1500V/1710V/1980V/2280V/2580V/2900V/3300V/3600V/4000V/4500V/5000V/5500V/6000V/6600V/7200V/7900V/8700V/9600V/10500V/11500V/12600V/13800V/15000V/16500V/18000V/19800V/21600V/23400V/25500V/27600V/30000V/32400V/35100V/38100V/41400V/45000V/48600V/52500V/56700V/61200V/66000V/71100V/76500V/82500V/89100V/96000V/103500V/111600V/120000V/129600V/139500V/150000V/161100V/172800V/185700V/200000V/216000V/232500V/250000V/269500V/291000V/315000V/340500V/369000V/400500V/435000V/472500V/513000V/556500V/603000V/652500V/705000V/760500V/819000V/881500V/948000V/1020000V/1095000V/1174500V/1258500V/1348500V/1444500V/1548000V/1659000V/1776000V/1900500V/2032500V/2172000V/2319000V/2473500V/2637000V/2809500V/2991000V/3181500V/3381000V/3590500V/3809500V/4038000V/4285500V/4542000V/4804500V/5076000V/5356500V/5646000V/5944500V/6252000V/6568500V/6894000V/7229500V/7575000V/7930500V/8296000V/8671500V/9057000V/9453000V/9864000V/10281000V/10714500V/11164500V/11611500V/12075000V/12555000V/13050000V/13560000V/14085000V/14625000V/15180000V/15750000V/16335000V/16935000V/17550000V/18180000V/18825000V/19485000V/20160000V/20850000V/21555000V/22275000V/23010000V/23760000V/24525000V/25305000V/26100000V/26910000V/27735000V/28575000V/29440000V/30320000V/31215000V/32125000V/33050000V/33990000V/34945000V/35910000V/36895000V/37900000V/38925000V/39960000V/41015000V/42080000V/43160000V/44255000V/45360000V/46480000V/47605000V/48750000V/49915000V/51090000V/52285000V/53490000V/54705000V/55930000V/57175000V/58435000V/59710000V/61000000V/62305000V/63625000V/64960000V/66310000V/67675000V/69050000V/70445000V/71850000V/73270000V/74705000V/76150000V/77610000V/79080000V/80565000V/82065000V/83580000V/85110000V/86655000V/88210000V/89780000V/91360000V/92955000V/94560000V/96180000V/97810000V/99450000V/101100000V/102760000V/104430000V/106110000V/107800000V/109500000V/111210000V/112930000V/114660000V/116400000V/118150000V/119910000V/121680000V/123460000V/125250000V/127050000V/128860000V/130680000V/132510000V/134350000V/136200000V/138060000V/139930000V/141810000V/143700000V/145600000V/147510000V/149430000V/151360000V/153300000V/155250000V/157210000V/159180000V/161160000V/163150000V/165150000V/167160000V/169180000V/171210000V/173250000V/175300000V/177360000V/179430000V/181500000V/183580000V/185670000V/187770000V/189880000V/191990000V/194110000V/196240000V/198380000V/200530000V/202690000V/204860000V/207040000V/209230000V/211430000V/213640000V/215860000V/218090000V/220330000V/222580000V/224840000V/227110000V/229390000V/231680000V/233980000V/236290000V/238610000V/240940000V/243280000V/245630000V/247990000V/250360000V/252740000V/255130000V/257530000V/259940000V/262360000V/264790000V/267230000V/269680000V/272140000V/274610000V/277090000V/279580000V/282080000V/284590000V/287110000V/289640000V/292180000V/294730000V/297290000V/299860000V/302440000V/305030000V/307630000V/310240000V/312860000V/315490000V/318130000V/320780000V/323440000V/326110000V/328790000V/331480000V/334180000V/336890000V/339610000V/342340000V/345080000V/347830000V/350590000V/353360000V/356140000V/358930000V/361730000V/364540000V/367360000V/370190000V/373030000V/375880000V/378740000V/381610000V/384490000V/387380000V/390280000V/393190000V/396110000V/399040000V/401980000V/404930000V/407890000V/410860000V/413840000V/416830000V/419830000V/422840000V/425860000V/428890000V/431930000V/434980000V/438040000V/441110000V/444190000V/447280000V/450380000V/453490000V/456610000V/459740000V/462880000V/466030000V/469190000V/472360000V/475540000V/478730000V/481930000V/485140000V/488360000V/491590000V/494830000V/498080000V/501340000V/504610000V/507890000V/511180000V/514480000V/517790000V/521110000V/524440000V/527780000V/531130000V/534490000V/537860000V/541240000V/544630000V/548030000V/551440000V/554860000V/558290000V/561730000V/565180000V/568640000V/572110000V/575590000V/579080000V/582580000V/586090000V/589610000V/593140000V/596680000V/600230000V/603790000V/607360000V/610940000V/614530000V/618130000V/621740000V/625360000V/628990000V/632630000V/636280000V/640000000V/643730000V/647480000V/651230000V/655000000V/658780000V/662580000V/666390000V/670210000V/674040000V/677880000V/681730000V/685590000V/689460000V/693340000V/697230000V/701130000V/705040000V/708960000V/712890000V/716830000V/720780000V/724740000V/728710000V/732690000V/736680000V/740680000V/744690000V/748710000V/752740000V/756780000V/760830000V/764890000V/768960000V/773040000V/777130000V/781230000V/785340000V/789460000V/793590000V/797730000V/801880000V/806040000V/810210000V/814390000V/818580000V/822780000V/826990000V/831210000V/835440000V/839680000V/843930000V/848190000V/852460000V/856740000V/861030000V/865330000V/869640000V/873960000V/878290000V/882630000V/886980000V/891340000V/895710000V/900090000V/904480000V/908880000V/913290000V/917710000V/922140000V/926580000V/931030000V/935490000V/939960000V/944440000V/948930000V/953430000V/957940000V/962460000V/966990000V/971530000V/976070000V/980630000V/985200000V/989780000V/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SERVICE ENTRANCE

UTILITY COMPANY
OVERHEAD LINE
4-WIRE, 230 VAC, 3ø, 60HZ



WIRE CODE	SIZE OF	
	WIRES	CONDUITS
YB.0	3-8.0mm² THHN COPPER WIRE 1-5.0mm² TW GROUND WIRE	IN 25mmø PVC PIPE
Y14	3-14.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 32mmø PVC PIPE
Y50	3-50.0mm² THHN COPPER WIRE 1-14mm² TW GROUND WIRE	IN 65mmø PVC PIPE
Y60	3-60.0mm² THHN COPPER WIRE 1-22mm² TW GROUND WIRE	IN 65mmø PVC PIPE
Y125	3-125mm² THHN COPPER WIRE 1-22mm² TW GROUND WIRE	IN 80mmø PVC PIPE
2Y250	2 SETS OF 3-250mm² THHN COPPER WIRE 1-50mm² TW GROUND WIRE	2 SETS OF IN 100mmø PVC PIPE

1 SERVICE ENTRANCE DETAIL

2 SINGLE LINE RISER DIAGRAM

SCALE: NTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DESIGNED BY:
DATE: February 11, 2023
CHECKED BY: J. N.
REVISIONS:

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

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

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

SHEET CONTENT:
REHABILITATION
DETAIL
SINGLE LINE DIAGRAM

SHEET NO.:
**EL-02
1629**

NDP LOCATION: GROUND FLOOR										
CIRCUIT NO.	LOAD DESCRIPTION	VOLTS	VA	LOAD DESCRIPTION				AT	SIZE OF	
				AB	CA	BC	SB		WIRING	CONDUIT
1	OPN	230	15000	116.43	100.34	182.43	—	230	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
2	OPN	230	15000	120.22	102.32	182.38	—	230	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
3	PACUA	230	20000	99.8	92.0	163.3	—	180	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
4	PACUA	230	20000	116.43	100.34	182.43	—	230	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
5	SPACE	230	—	—	—	—	—	180	—	—
6	SPACE	230	—	—	—	—	—	180	—	—
		181070	400.00	307.82	271.78	—	—	—	—	—

COMPUTATION:
 OVER CURRENT PROTECTION:
 USE: 150A, 3P, 250V MOLDED CASE CIRCUIT BREAKER IN NEMA 1
 MINIMUM:
 USE: 3-12mm² THHN & 1-12mm² TW GROUND WIRE
 IN 32mm² PVC PIPE

$I = 1.73 \times 181070 / \sqrt{3} \times 230 = 628.1 \text{ A}$
 $I = 1.73 \times 40000 / \sqrt{3} \times 230 = 157.1 \text{ A}$
 $I = 628.1 \text{ A}$

PACUA LOCATION: GROUND FLOOR										
CIRCUIT NO.	LOAD DESCRIPTION	VOLTS	VA	LOAD DESCRIPTION				AT	SIZE OF	
				AB	CA	BC	SB		WIRING	CONDUIT
1	ACCU - 1	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
2	ACCU - 2	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
3	ACCU - 3	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
4	ACCU - 4	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
5	ACCU - 5	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
6	ACCU - 6	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
		28180	20.0	42.4	49.0	—	—	—	—	—

COMPUTATION:
 OVER CURRENT PROTECTION:
 USE: 150A, 3P, 250V MOLDED CASE CIRCUIT BREAKER IN NEMA 1
 MINIMUM:
 USE: 3-12mm² THHN & 1-12mm² TW GROUND WIRE
 IN 32mm² PVC PIPE

$I = 1.73 \times 28180 / \sqrt{3} \times 230 = 628.1 \text{ A}$
 $I = 1.73 \times 20000 / \sqrt{3} \times 230 = 157.1 \text{ A}$
 $I = 628.1 \text{ A}$

OPA LOCATION: GROUND FLOOR										
CIRCUIT NO.	LOAD DESCRIPTION	VOLTS	VA	LOAD DESCRIPTION				AT	SIZE OF	
				AB	CA	BC	SB		WIRING	CONDUIT
1	LPPA	230	10000	16.13	14.73	18.92	—	40	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
2	LPPA	230	10000	16.13	14.73	18.92	—	40	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
3	SPACE	230	—	—	—	—	—	100	—	—
4	SPACE	230	—	—	—	—	—	100	—	—
		76028	116.43	101.38	101.38	—	—	—	—	—

COMPUTATION:
 OVER CURRENT PROTECTION:
 USE: 150A, 3P, 250V MOLDED CASE CIRCUIT BREAKER IN NEMA 1
 MINIMUM:
 USE: 3-12mm² THHN & 1-12mm² TW GROUND WIRE
 IN 32mm² PVC PIPE

$I = 1.73 \times 76028 / \sqrt{3} \times 230 = 628.1 \text{ A}$
 $I = 1.73 \times 11643 / \sqrt{3} \times 230 = 157.1 \text{ A}$
 $I = 628.1 \text{ A}$

PACUS LOCATION: SECOND FLOOR										
CIRCUIT NO.	LOAD DESCRIPTION	VOLTS	VA	LOAD DESCRIPTION				AT	SIZE OF	
				AB	CA	BC	SB		WIRING	CONDUIT
1	ACCU - 1	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
2	ACCU - 2	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
3	ACCU - 3	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
4	ACCU - 4	230	10000	47.0	—	—	—	70	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
5	SPACE	230	—	—	—	—	—	100	—	—
6	SPACE	230	—	—	—	—	—	100	—	—
		76028	116.43	101.38	101.38	—	—	—	—	—

COMPUTATION:
 OVER CURRENT PROTECTION:
 USE: 150A, 3P, 250V MOLDED CASE CIRCUIT BREAKER IN NEMA 1
 MINIMUM:
 USE: 3-12mm² THHN & 1-12mm² TW GROUND WIRE
 IN 32mm² PVC PIPE

$I = 1.73 \times 76028 / \sqrt{3} \times 230 = 628.1 \text{ A}$
 $I = 1.73 \times 11643 / \sqrt{3} \times 230 = 157.1 \text{ A}$
 $I = 628.1 \text{ A}$

DPB LOCATION: SECOND FLOOR										
CIRCUIT NO.	LOAD DESCRIPTION	VOLTS	VA	LOAD DESCRIPTION				AT	SIZE OF	
				AB	CA	BC	SB		WIRING	CONDUIT
1	LPPA	230	10000	16.13	14.73	18.92	—	40	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
2	LPPA	230	10000	16.13	14.73	18.92	—	40	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
3	SPACE	230	—	—	—	—	—	100	—	—
4	SPACE	230	—	—	—	—	—	100	—	—
		76028	116.43	101.38	101.38	—	—	—	—	—

COMPUTATION:
 OVER CURRENT PROTECTION:
 USE: 150A, 3P, 250V MOLDED CASE CIRCUIT BREAKER IN NEMA 1
 MINIMUM:
 USE: 3-12mm² THHN & 1-12mm² TW GROUND WIRE
 IN 32mm² PVC PIPE

$I = 1.73 \times 76028 / \sqrt{3} \times 230 = 628.1 \text{ A}$
 $I = 1.73 \times 11643 / \sqrt{3} \times 230 = 157.1 \text{ A}$
 $I = 628.1 \text{ A}$

LPPA LOCATION: GROUND FLOOR										
CIRCUIT NO.	LOAD DESCRIPTION	VOLTS	VA	LOAD DESCRIPTION				AT	SIZE OF	
				AB	CA	BC	SB		WIRING	CONDUIT
1	11-LODRING OUTLET	230	1000	4.76	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
2	11-LODRING OUTLET	230	1000	4.76	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
3	12-LODRING OUTLET	230	1000	5.32	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
4	12-LODRING OUTLET	230	1000	5.32	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
5	4-LODRING OUTLET	230	400	1.94	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
6	4-LODRING OUTLET	230	400	1.94	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
7	11-LODRING OUTLET	230	1100	4.76	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
8	11-LODRING OUTLET	230	1100	4.76	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
9	10-LODRING OUTLET	230	1000	4.76	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
10	10-LODRING OUTLET	230	1000	4.76	—	—	—	20	1-12mm ² THHN & 1-12mm ² TW GROUND WIRE	1" 32mm ² PVC PIPE
11	SPACE	230	—	—	—	—	—	100	—	—
12	SPACE	230	—	—	—	—	—	100	—	—
		12000	16.13	16.13	16.13	—	—	—	—	—

COMPUTATION:
 OVER CURRENT PROTECTION:
 USE: 150A, 3P, 250V MOLDED CASE CIRCUIT BREAKER IN NEMA 1
 MINIMUM:
 USE: 3-12mm² THHN & 1-12mm² TW GROUND WIRE
 IN 32mm² PVC PIPE

$I = 1.73 \times 12000 / \sqrt{3} \times 230 = 628.1 \text{ A}$
 $I = 1.73 \times 1613 / \sqrt{3} \times 230 = 157.1 \text{ A}$
 $I = 628.1 \text{ A}$

1 SCHEDULE OF LOADS

SCALE: NTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**

LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DESIGNED BY:
DATE: **February 11, 2023**
CHECKED BY: **JAH**
REVISIONS:

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

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.
CHIEF, ELECTRICAL DIVISION

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

SHEET CONTENT:
SCHEDULE OF LOADS

SHEET NO.
**EL-03
1729**

LPNS									
LOCATION SECOND FLOOR									
LINE NO.	LINE DESCRIPTION	VOLTS	W	SE	NE	SW	WT	WIND	CONCRETE
1	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
2	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
3	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
4	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
5	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
6	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
7	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
8	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
9	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
10	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
11	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
12	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
COMPUTATION:									
$W = 1.02 \times 1.4 \times 8.0 \times 1.4 \times 1.0$ $W = 1.02 \times 1.4$ $W = 1.428$									
DISCRETE PROVISION SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1									

PPA									
LOCATION SECOND FLOOR									
LINE NO.	LINE DESCRIPTION	VOLTS	W	SE	NE	SW	WT	WIND	CONCRETE
1	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
2	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
3	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
4	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
5	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
6	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
7	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
8	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
9	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
10	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
11	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
12	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
COMPUTATION:									
$W = 1.02 \times 1.4 \times 8.0 \times 1.4 \times 1.0$ $W = 1.02 \times 1.4$ $W = 1.428$									
DISCRETE PROVISION SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1									

PPB									
LOCATION SECOND FLOOR									
LINE NO.	LINE DESCRIPTION	VOLTS	W	SE	NE	SW	WT	WIND	CONCRETE
1	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
2	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
3	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
4	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
5	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
6	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
7	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
8	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
9	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
10	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
11	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
12	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
COMPUTATION:									
$W = 1.02 \times 1.4 \times 8.0 \times 1.4 \times 1.0$ $W = 1.02 \times 1.4$ $W = 1.428$									
DISCRETE PROVISION SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1									

MSFQUA									
LOCATION SECOND FLOOR									
LINE NO.	LINE DESCRIPTION	VOLTS	W	SE	NE	SW	WT	WIND	CONCRETE
1	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
2	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
3	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
4	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
5	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
6	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
7	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
8	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
9	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
10	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
11	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
12	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
13	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
14	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
15	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
16	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
17	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
18	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
COMPUTATION:									
$W = 1.02 \times 1.4 \times 8.0 \times 1.4 \times 1.0$ $W = 1.02 \times 1.4$ $W = 1.428$									
DISCRETE PROVISION SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1									

MSFCUB									
LOCATION SECOND FLOOR									
LINE NO.	LINE DESCRIPTION	VOLTS	W	SE	NE	SW	WT	WIND	CONCRETE
1	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
2	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
3	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
4	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
5	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
6	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
7	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
8	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
9	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
10	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
11	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
12	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
13	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
14	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
15	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
16	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
17	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
18	10-CONCRETE SLAB	120	800	1.40					W 20mm PVC PIPE
COMPUTATION:									
$W = 1.02 \times 1.4 \times 8.0 \times 1.4 \times 1.0$ $W = 1.02 \times 1.4$ $W = 1.428$									
DISCRETE PROVISION SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1 SEE - 100% OF 100% WIND LOADS IN AREA 1									

1 SCHEDULE OF LOADS

SCALE: N78



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING

DESIGNED BY:

BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY:

DATE: February 10, 2020

CHECKED BY: J. A.

REVISION:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO

HEAD, PLANNING AND DESIGN DIVISION

RECOMMENDING APPROVAL:

ENGR. SAGAMI R. VERZOSA, JR.

HEAD, ENGINEERING DIVISION

APPROVED BY:

HON. MA. JOSEFINA G. BELMONT

CITY ENGINEER, QUEZON CITY

SHEET CONTENT

SCHEDULE OF LOADS

SHEET NO.

EL-04
18/29

SCALE N73



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMLUNING ✓

LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE: February 16, 2025

04/01/2014 17:57

REVISED 6/01

SUBMITTED BY

ENGR. LEO S. DEL ROSARIO
RMO. PLANNING PROFESSIONAL

RECOMMENDING APPROVAL:

ENGR. ISAGANI R. VERZOSA, JR.
DE. CIVIL ENGINEERING

APPROVED BY:

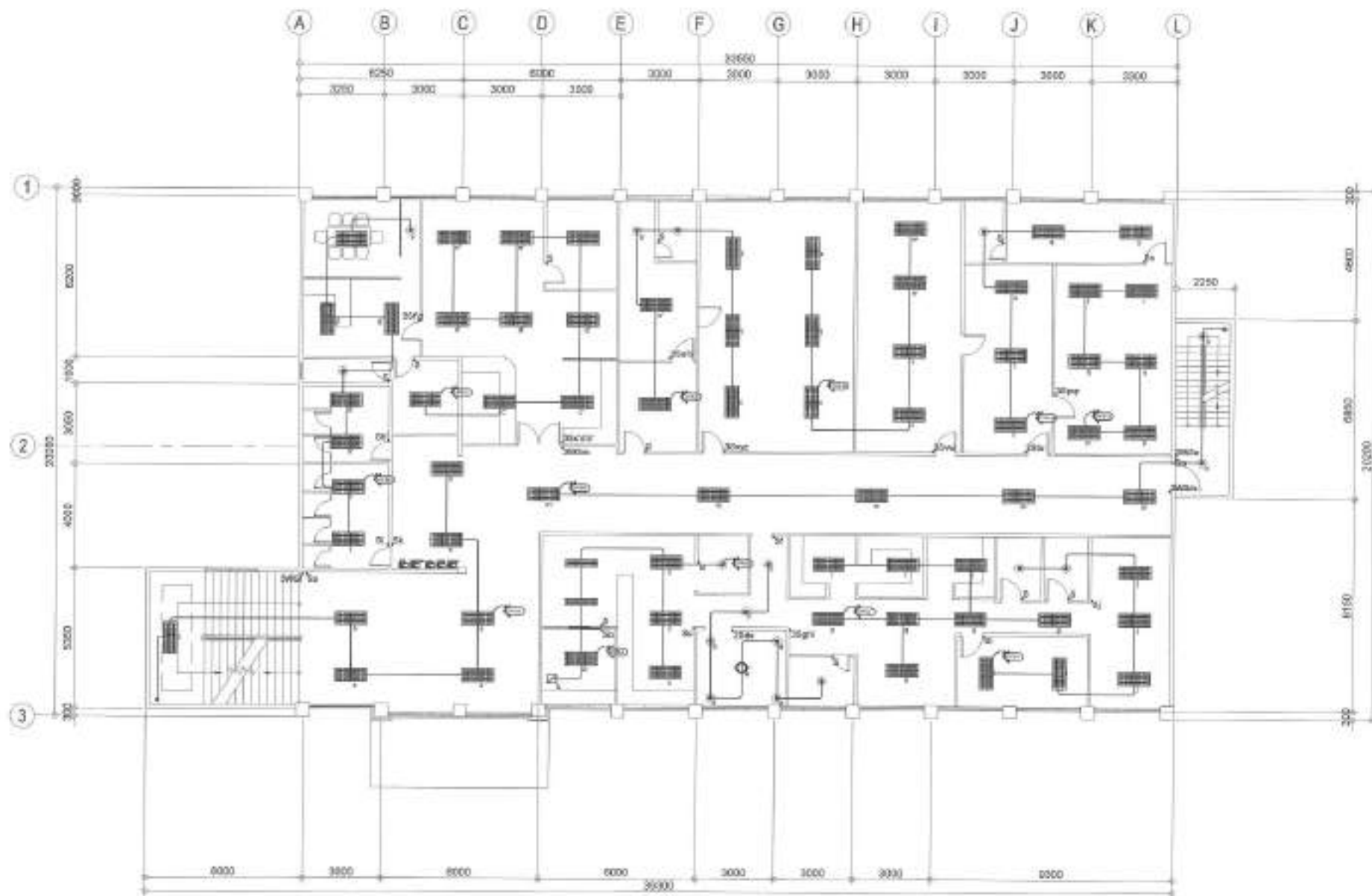
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT

GROUND FLOOR
LIGHTING LAYOUT

CREDIT ADV:

EL-05
1929



1 SECOND FLOOR LIGHTING LAYOUT

SCALE: NTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE: February 15, 2020
CHECKED BY: JMA
REVISION NO.:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
REG. ELECTRICAL ENGINEER

RECOMMENDING APPROVAL:

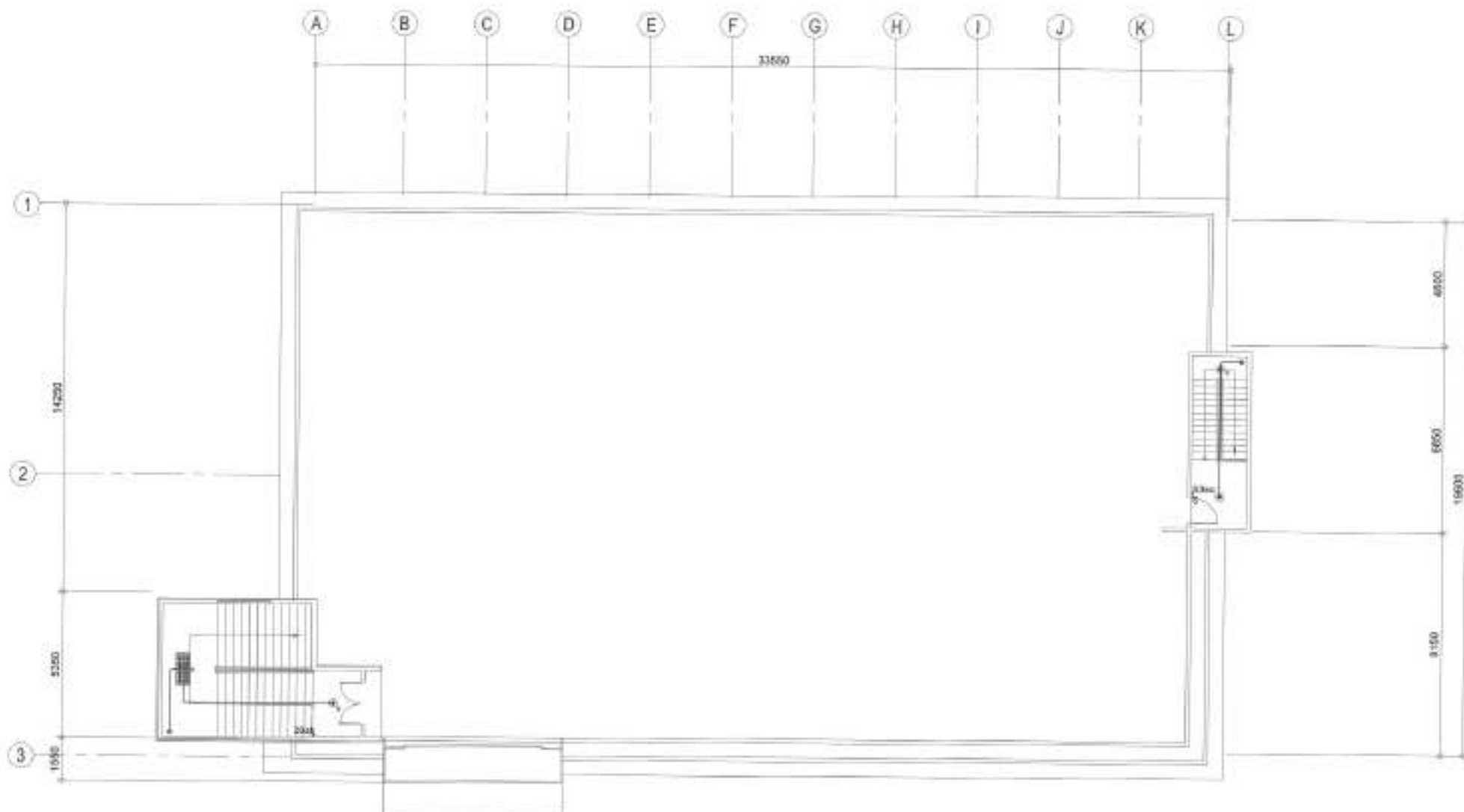
ENGR. BAGANI R. VERZOSA, JR.
REG. ELECTRICAL ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
CITY ENGINEER

SHEET CONTENT
SECOND FLOOR
LIGHTING LAYOUT

EL-06
2029



1 ROOF DECK LIGHTING LAYOUT

SCALE: NTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE: February 18, 2021
DESIGNED BY: J.A.
REVISIONS:

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

RECOMMENDING APPROVAL:
ENGR. BASILIO R. VERZOSA, JR.
DEPUTY ASSISTANT CITY ENGINEER

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY ENGINEER

SHEET CONTENT:
ROOF DECK LIGHTING
LAYOUT

SHEET NO.:
**EL-07
2129**

1 GROUND FLOOR POWER LAYOUT



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING



DATE: February 8, 2003

2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2842-2843

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING PROGRAM/ENR/ENR/ENR

RECOMMENDING ADOPTION -

ENGR. ISAGAN R. VERZOSA, JR.
Professional Engineer

ADDRESS ONLY

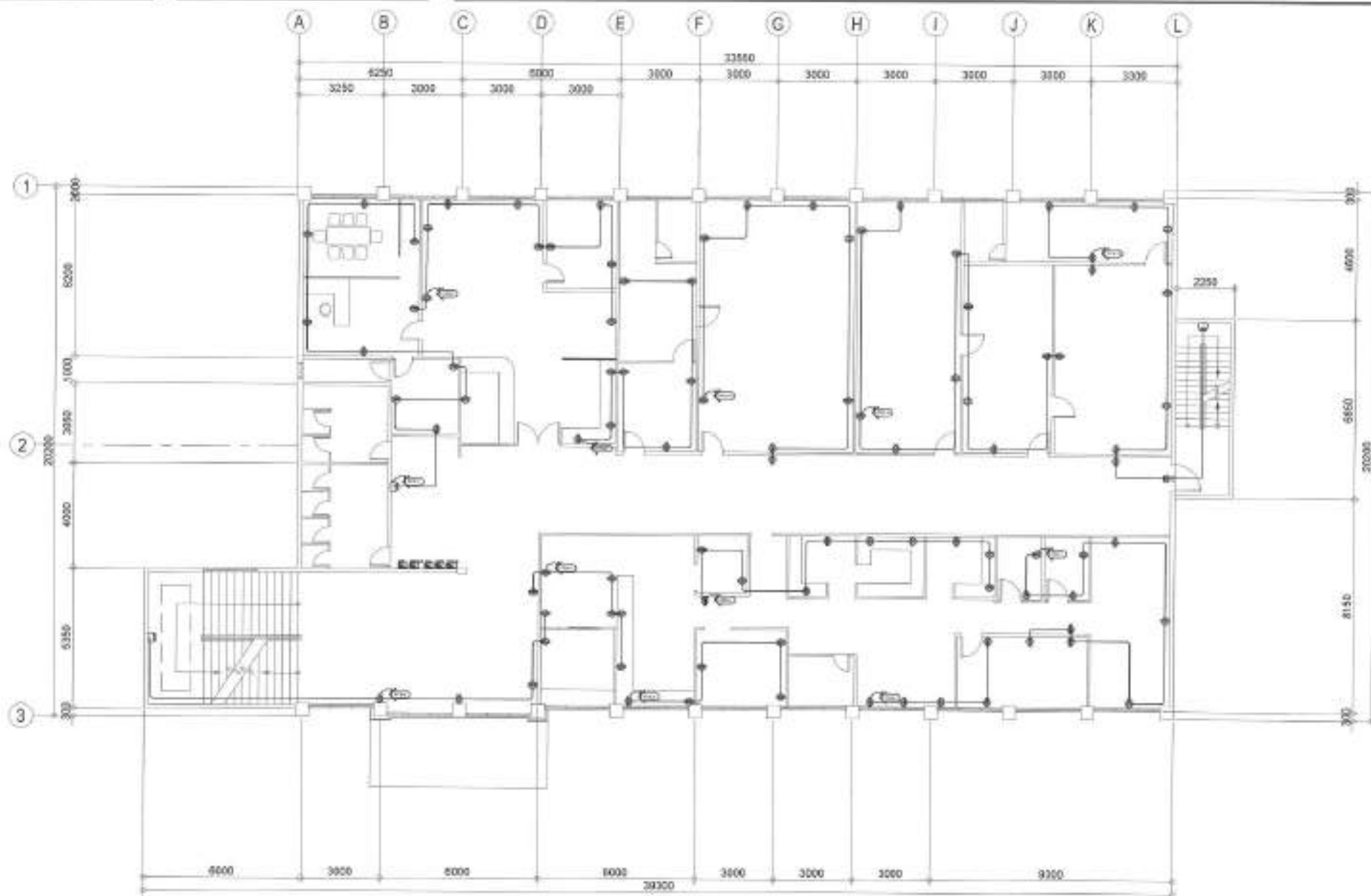
HON. MA. JOSEFINA G. BELMONTE

INDEX CONTENT

GROUND FLOOR
POWER LAYOUT

2007-04-01

EL-08
2229



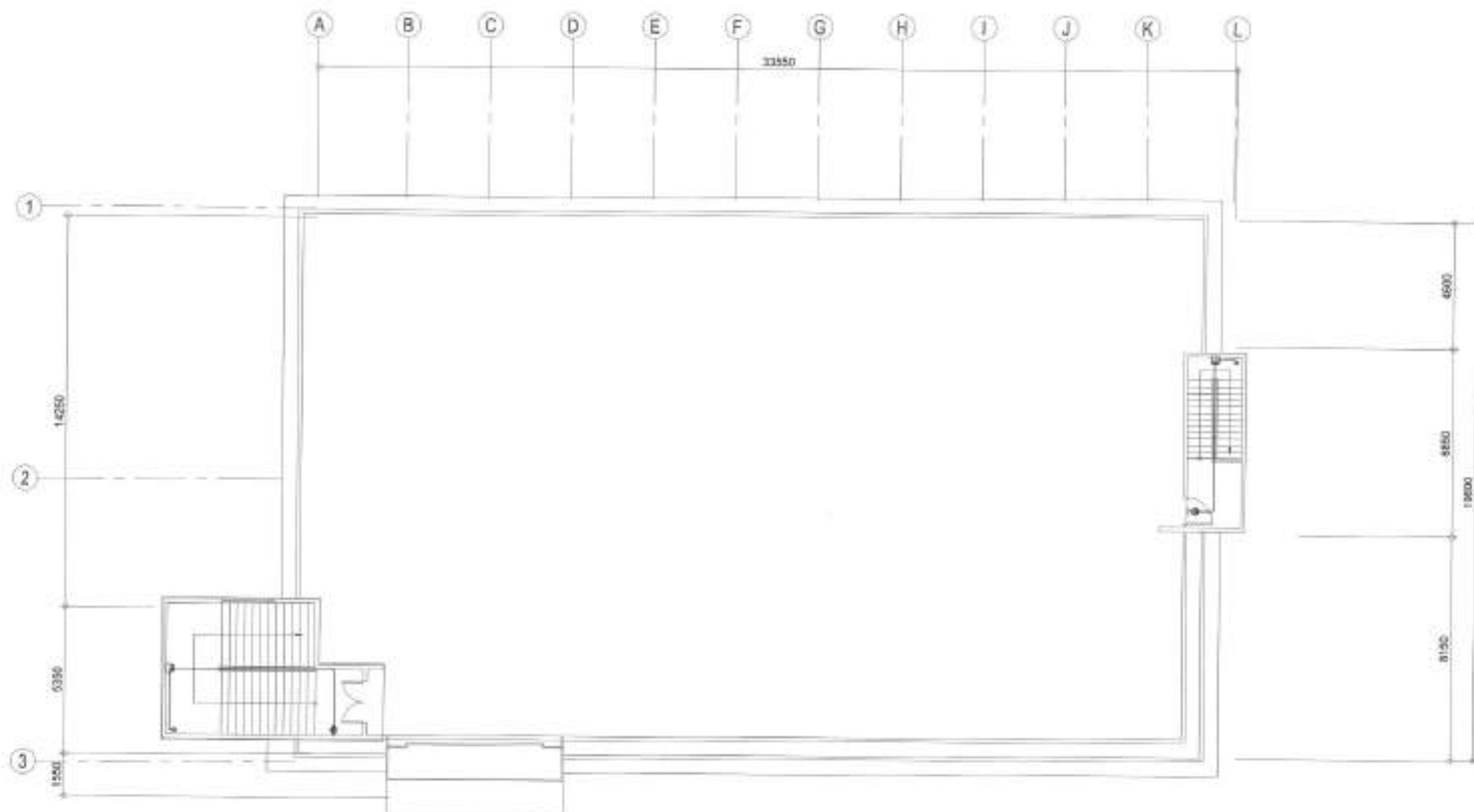
1 SECOND FLOOR POWER LAYOUT

SCALE: NTS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:	DATE: February 15, 2023	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	DRAWN BY: J. R.	ENGR. LEO S. DEL ROSARIO HND. PLUMBING PROGRAM COORDINATOR	ENGR. ISAGANI R. VERZOSA, JR. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY ENGINEER, QUEZON CITY	SECOND FLOOR POWER LAYOUT	EL-09 2329
LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	DESIGNED BY: J. R.	REVISIONS:				



1 ROOF DECK POWER LAYOUT



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:	DRAWN BY:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	DATE: February 15, 2022 CHECKED BY: J.A.R.	ENGR. LEO S. DEL ROSARIO REG. PLANNER & ARCHITECT	ENGR. ISABELA R. VERZOSA, JR. C.E. CITY ENGINEER (CIVIL)	HON. MA. JOSEFINA G. BELMONTE CITY ENGINEER, QUEZON CITY	ROOF DECK POWER LAYOUT	EL-10 2429
LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	PERSON NO.:					



1 GROUND FLOOR ACU LAYOUT



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING

LOCATION:

BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DATE:

March 15, 2023

DESIGNED BY: J.T.A.

REVISION NO.

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO

HEAD, PLANNING & PROGRAMS DIVISION

RECOMMENDING APPROVAL:

ENGR. ISAGAR R. VERZOSA, JR.

OC, CITY ENGINEERING DEPARTMENT

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE

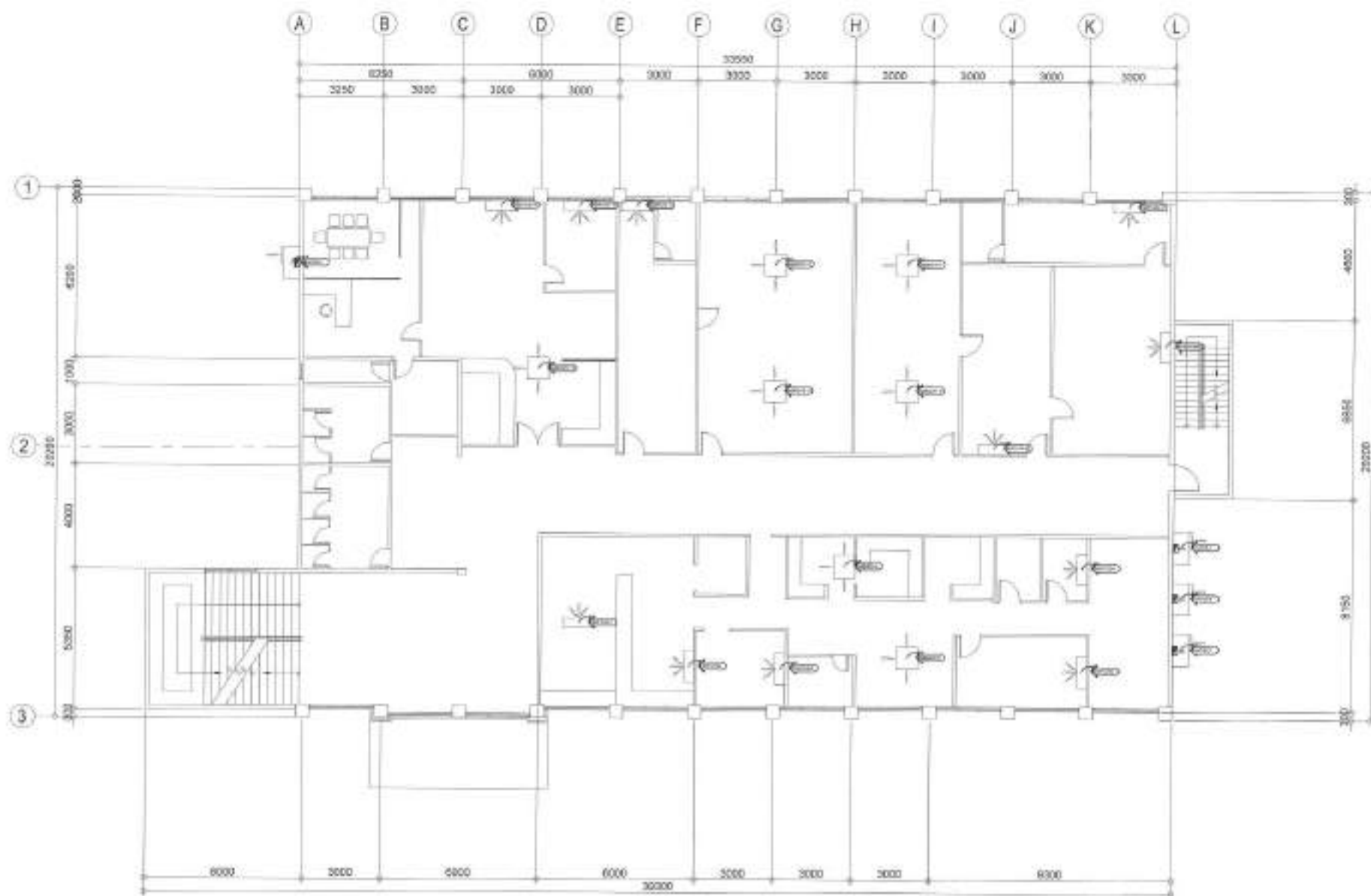
DTF, MAYOR'S OFFICE

SHEET CONTENT

GROUND FLOOR ACU
LAYOUT

SHEET NO.

EL-11
2529



1 SECOND FLOOR ACU LAYOUT



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:	DATE:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING	February 15, 2023	ENGR. LEO S. DEL ROSARIO HND. PLANNING & PROGRAMMING DIVISION	ENGR. ISAGANI R. VERZOSA, JR. DL. CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY AFDL, QUEZON CITY	SECOND FLOOR ACU LAYOUT	EL-12 2629
LOCATION: BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY	DRAWN BY: DESIGNED BY: REVISION NO.:					

- ALL MECHANICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL BUILDING CODE, PDAE CODE AND THE RULES AND REGULATIONS OF QUEZON CITY.
- THE SCOPE OF WORK SHALL INCLUDE ALL WORKS DESCRIBED IN PLANS.
- THE WORK SHALL BE EXECUTED IN CLOSE COORDINATION WITH ALL OTHER TRADES.
- ALL WORKING SPACES SHALL BE MAINTAINED AT 24" OR MORE CLEAR.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, MANUFACTURER'S CATALOGUE, SPECIFICATIONS, SAMPLES, FOLLOWING VIBRATION ISOLATORS BEFORE EXECUTION OF WORK.
- ALL FLOOR SLAB MOUNTED WITH THE EQUIPMENT SHALL BE PROVIDED WITH VIBRATION ISOLATORS TO PREVENT VIBRATIONS AND NOISE TRANSMISSION.
- EXHAUST FAN SHALL BE PROVIDED WITH SUITABLE FLEXIBLE CONNECTIONS TO EXHAUST DUCT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING AND COMMISSIONING OF THE WHOLE VENTILATION AND AIR-CONDITIONING SYSTEM AND INSTALLATION.
- ALL POWER WIRING SHALL BE ELECTRICAL AND TERMINATION TO EQUIPMENT SHALL BE MECHANICAL.
- PROVIDE CONTROL WIRING FOR AIR-CONDITIONING EQUIPMENT.
- PROVIDE THERMOSTAT FOR ALL ROOMS WITH HVAC UNITS.
- VERIFY LOCATION OF CONTROLLERS AND SWITCHES ON ELECTRICAL PLANS.
- ALL PIPE EQUIPMENT CONDENSATE DRAIN SHALL BE CONNECTED TO THE NEAREST FLOOR DRAIN/STATION.
- PROVIDE CLIPDS, FRANGERS, AND SUPPLEMENTARY STEEL SUPPORT FOR ALL PIPING, DUCTING AND EQUIPMENTS.
- PROVIDE PIPE SLEEVES FOR ALL PENETRATIONS THROUGH BUILDING STRUCTURE.
- ALL PIPE DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.

-  - EQUIPMENT DESIGNATION
 - REFRIGERANT PIPE
 - WALL MOUNTED INDOOR UNIT
 - WINDOW TYPE AIR CONDITIONER
 - CEILING MOUNTED EXHAUST
 - AIR COOLED CONDENSING UNIT
 - ELBOW UP
 - ELBOW DOWN
 - FAN COIL UNIT
 - WALL MOUNTED EXHAUST

SPLIT TYPE AIR-CONDITIONER AIR-COOLED CONDENSING UNITS

DESIGNATION	LOCATION	QUANTITY	COOLING CAPACITY BTUH	AIR CIRCULATION	POWER INPUT WATTS	ELECTRICAL SUPPLY			REFRIGERANT PIPE		REMARKS
						VOLTS	PHASE	HERTZ	LIQUID Ø	GAS Ø	
ACCU 1	GROUND FLOOR	1 SET	8,500	385 CFM	670	230.0	1Ø	60.0	8.35	9.50	FAN COIL UNIT SHALL BE WALL MOUNTED TYPE. CONTRACTOR SUPPLY AND INSTALL.
ACCU 2	GROUND FLOOR	1 SET	17,000	458 CFM	1350	230.0	1Ø	60.0	8.35	10.75	

MULTI-SPLIT AIR-CONDITIONER INDOOR UNITS

DESIGNATION	LOCATION	QUANTITY	COOLING CAPACITY BTUH	FAN MOTOR WATTS		AIR CIRCULATION	REFRIGERANT PIPE		DRAIN Ø, INCH	ELECTRICAL SUPPLY			REMARKS
				INPUT	OUTPUT		LIQUID Ø, INCH	GAS Ø, INCH		VOLTS	PHASE	HERTZ	
MSFCU 1	SECOND FLOOR	10 UNITS	8,500	40	17	385 CFM	8.35	9.50	25	230.0	1Ø	60.0	MULTI-SPLIT FAN COIL UNIT SHALL BE WALL MOUNTED TYPE. CONTRACTOR SUPPLY AND INSTALL.
MSFCU 2	SECOND FLOOR	8 UNITS	10,200	50	38	460 CFM	8.35	9.50	25	230.0	1Ø	60.0	
MSFCU 3	SECOND FLOOR	1 UNITS	17,400	50	38	460 CFM	8.35	10.75	25	230.0	1Ø	60.0	
MSFCU 4	SECOND FLOOR	1 UNITS	28,400	50	44	525 CFM	8.35	10.75	25	230.0	1Ø	60.0	
MSFCU 5	SECOND FLOOR	1 UNITS	24,100	50	40	400 CFM	8.35	10.75	32	230.0	1Ø	60.0	MULTI-SPLIT FAN COIL UNIT SHALL BE CEILING CASSETTE TYPE. CONTRACTOR SUPPLY AND INSTALL.
MSFCU 6	SECOND FLOOR	1 UNITS	30,000	50	120	300 CFM	8.35	15.00	32	230.0	1Ø	60.0	

MULTI-SPLIT AIR-CONDITIONER OUTDOOR UNITS

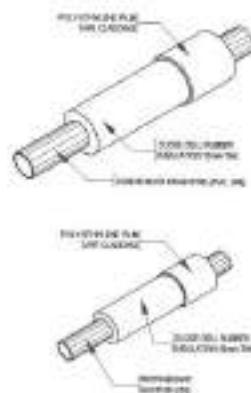
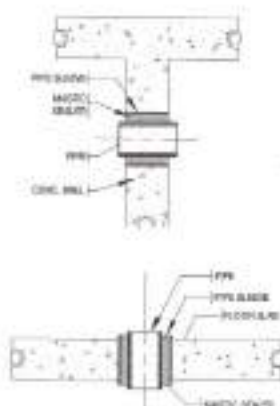
DESIGNATION	LOCATION	QUANTITY	COOLING CAPACITY BTUH	CURRENT INPUT AMP	POWER INPUT KW	ELECTRICAL SUPPLY			REFRIGERANT PIPE		COMPRESSOR MOTOR OUTPUT HP	FAN MOTOR OUTPUT HP	CONDENSATE FAN AND FLOW RATE GPM	REMARKS
						VOLTS	PHASE	HERTZ	LIQUID Ø	GAS Ø				
ACCU 3	GROUND FLOOR	4 ACCT	43,800	15.5	10.5	230.0	3Ø	60.0	8.35	15.50	3.0	0.35	66	STARTING METHOD SHALL BE INVERTER.
ACCU 4	GROUND FLOOR	2 ACCT	30,100	21.8	27	230.0	3Ø	60.0	9.50	15.50	4.5	0.42	163	

EXHAUST FAN

DESIGNATION	LOCATION	QUANTITY	TYPE	AIR VOLUME CMH	POWER INPUT WATTS	ELECTRICAL SUPPLY			REMARKS
						VOLTS	PHASE	HERTZ	
EF 1	AS SHOWN ON PLANS	1 SET	CEILING MOUNTED	140-150	30	230.0	1Ø	60.0	UNITS SHALL BE EQUIPPED WITH DISCHARGE OUTLET, TAPERED OUT ADAPTER, ONE-TOUCH SPRING TYPE LOUVER & AN ADAPTER CONTAINING A REVERSE FLOW PREVENTION SHUTTER.
EF 2	AS SHOWN ON PLANS	1 SET	WALL MOUNTED	110-120	15-17	230.0	1Ø	60.0	

1 GENERAL NOTES

2 LEGENDS



3 PIPE SLEEVES DET.



4 REFRIGERANT / DRAIN PIPE INSULATION DETAIL

5 SCHEDULE OF EQUIPMENT



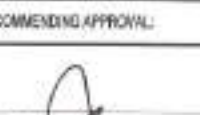
Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT


PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**
LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY: 
DATE: February 15, 2020
CHECKED BY: 
REVISION NO.:

SUBMITTED BY:

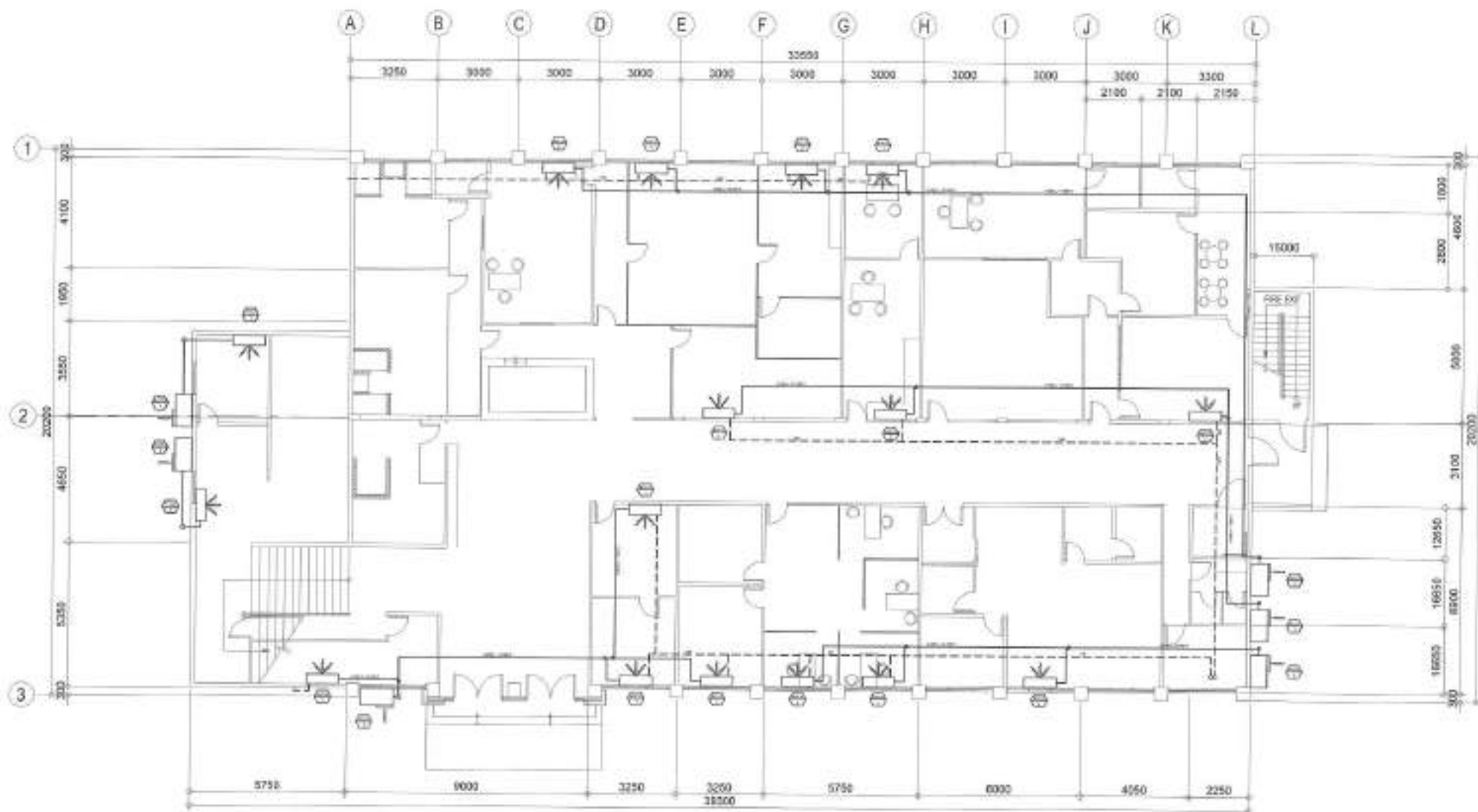
ENGR. LEO S. DEL ROSARIO
HEAD PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:

ENGR. ISAGANI R. VERZOSA, JR.
CITY ENGINEERING DEPARTMENT

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT
GENERAL NOTES
PIPE SLEEVES DET.
REFRIGERANT/ DRAIN
PIPE INSULATION
DETAIL

SHEET NO.
ME-01
27/29



1 GROUND FLOOR EQUIPMENT LAYOUT

SCALE : 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
**PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING**

LOCATION:
BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY:
DATE: February 15, 2020
CHECKED BY: J.A.
PERSONNEL:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMS DIVISION

RECOMMENDING APPROVAL:

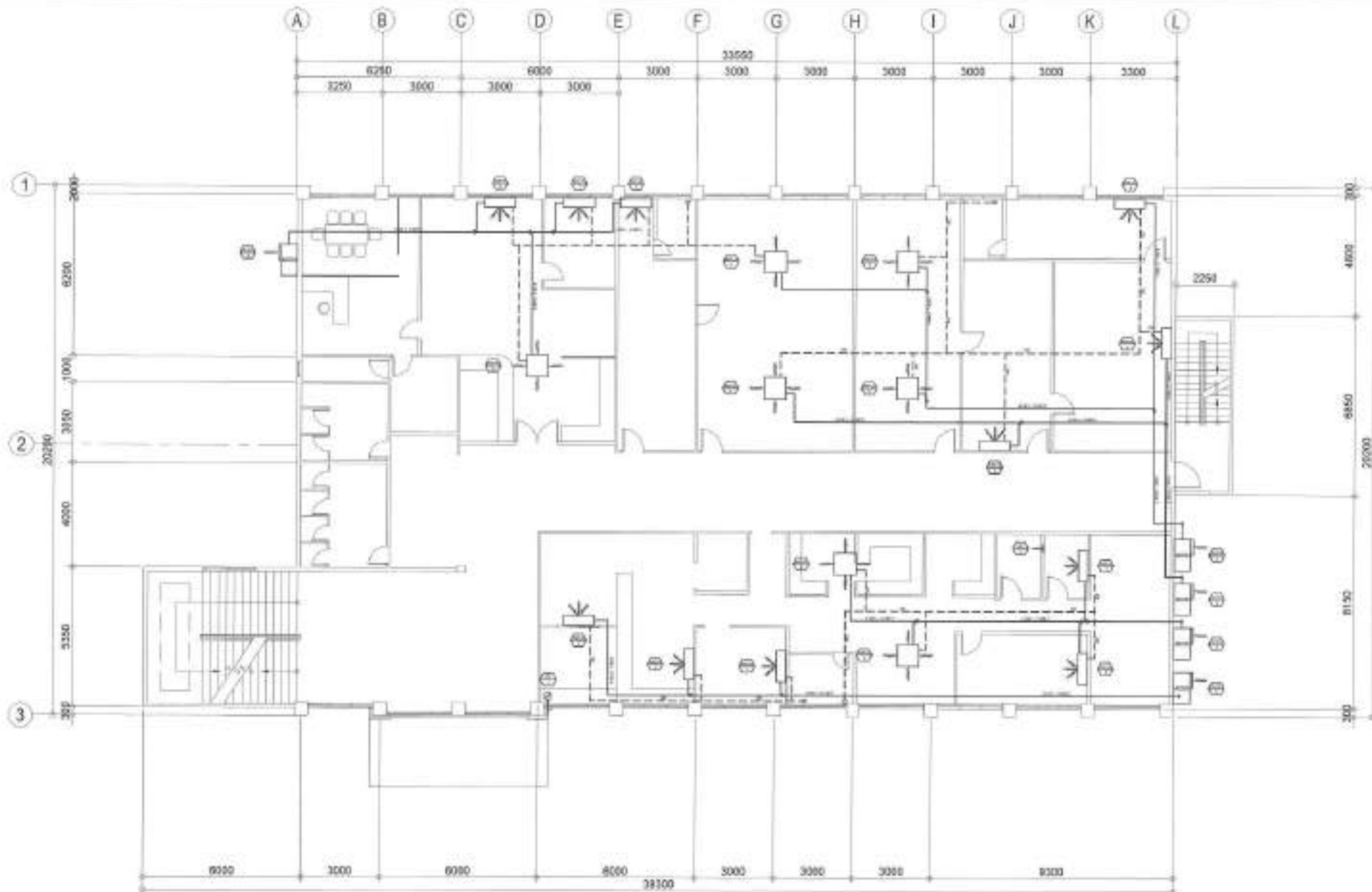
ENGR. ISAGANI R. VERZOSA, JR.
CITY ENGINEERING DEPARTMENT

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
CITY ENGINEER, QUEZON CITY

SHEET CONTENT
GROUND FLOOR
EQUIPMENT LAYOUT

SHEET NO.
**ME-02
28/29**



1 SECOND FLOOR EQUIPMENT LAYOUT

SCALE: 1:150 METERS



Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:

PROPOSED REHABILITATION OF
POLICE STATION 10 AT
BARANGAY KAMUNING

LOCATION:

BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

DRAWN BY: BAA

DATE: February 15, 2023

CHECKED BY: JLM

REVISIONS:

SUBMITTED BY:

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMS DIVISION

RECOMMENDING APPROVAL:

ENGR. ISAGANI R. VERZOSA, JR.
DEPUTY CITY ENGINEER

APPROVED BY:

HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR, QUEZON CITY

SHEET CONTENT

SECOND FLOOR EQUIPMENT LAYOUT

SHEET NO.

ME-03
2929

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 POLICE STATION 10 AT BARANGAY KAMUNING

LOCATION : BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

PROJECT NO. : 22 - 00069

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	SITE WORKS				
III	CIVIL/ STRUCTURAL WORKS				
IV	ARCHITECTURAL WORKS				
V	SANITARY/ PLUMBING WORKS				
VI	ELECTRICAL WORKS				
VII	UTILITY AND ANCILARY				
VIII	MECHANICAL WORKS				

TOTAL COST P _____

LUMP SUM BID IN WORDS : _____

Contractor : _____

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED REHABILITATION OF POLICE STATION 10 AT BARANGAY KAMUNING

LOCATION : BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

PROJECT NO. : 22 - 00069

DURATION : Two Hundred Forty (240) Calendar Days

SCOPE OF WORK :

1. General Requirements include temporary facilities and utilities, billboard, scaffolding, construction safety and health, and clearing, hauling and disposal of construction materials and debris.
2. Site Works include removal works, chipping of floor and cleaning and clearing for painting preparation.
3. Civil Works include masonry works, moisture protection and metal works.
4. Architectural Works include floor finishes, wall finishes, installation doors and windows, fabricated materials, ceiling works and painting works.
5. Sanitary/ Plumbing Works include installation of roughing-ins, fixtures and accessories.
6. Electrical Works include, roughing-Ins, wirings, devices, fixtures, panelboard and accessories.
7. Utility and Ancillary works include installation of earth pit, service entrance and septic tank.
8. Mechanical Works include installation of air-conditioning system and exhaust fans including accessories.
9. 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	unit	₱	₱
	Clearing, Hauling and Disposal of Construction Materials and Debris	47	t.l.		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	384	sq.m.		
	Temporary Electrical and Water Facilities	240	day		
				DIRECT COST I	₱
II	SITE WORKS				
	Removal Works				
	Removal of Tiles	1,649	sq.m.	₱	₱
	Removal of Partition Wall	259	sq.m.		
	Removal of Ceiling	1,372	sq.m.		
	Removal of Doors	12	set		
	Removal of Windows	24	set		
	Removal of Water Closet	23	set		
	Removal of Urinal	5	set		
	Removal of Lavatory	11	set		
	Removal of Shower	1	set		
	Removal of Window Type AC	33	set		
	Removal of Countertop	3	l.m.		
	Removal of Slop Sink	3	set		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Clearing and Cleaning for Painting Preparation	377	sq.m.		
	Chipping of Floor (Plumbing and Electrical Works)	61	sq.m.		
				DIRECT COST II	₱
III	CIVIL/ STRUCTURAL WORKS				
	Masonry Works				
	100mm CHB Wall Laying, including Mortar, Reinforcement and Two-Face Plastering	92	sq.m.	₱	₱
	Floor Topping and Finishing Preparation	50	sq.m.		
	Restoration of Concrete (Plumbing and Electrical Works)	61	sq.m.		
	Moisture Protection				
	Cementitious Capillary Type	150	sq.m.		
	Flexible Type	1,063	sq.m.		
	Metal Works				
	Jail Railings				
	12mm Square Bar	2,292	kg		
	25mm x 25mm x 4mm Angle Bar	191	kg		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Jail Gate				
	12mm Square Bar	192	kg		
	12mmØ x 150mm Expansion Bolt	193	piece		
	25mm x 25mm x 4mm Angle Bar	93	kg		
	38mmØ Barrel Bolt	5	set		
	Cylindrical Hinges, Heavy Duty	15	piece		
	Miscellaneous & Consumables				
	Acytelene Tank (Refill)	3	tank		
	Assorted Metal Drill Bit	25	piece		
	Cut Off Blade	3	piece		
	Grinding Disc for Metal	8	piece		
	Oxygen Tank (Refill)	6	tank		
	Welding Rod	1	box		
				MATERIALS COST III	₱
				LABOR COST III	
				DIRECT COST III	₱
IV	ARCHITECTURAL WORKS				
	Floor Finishes				
	Floor Topping For Preparation of Tiles Works	1,476	sq.m.	₱	₱
	300mm x 300mm Non-Skid Homogeneous Floor Tiles	187	sq.m.		
	400mm x 400mm Non-Skid Homogeneous Floor Tiles	65	sq.m.		
	600mm x 600mm Non-Skid Homogeneous Floor Tiles	1,175	sq.m.		
	Wall Finishes				
	400mm x 400mm Homogenous Wall Tiles	251	sq.m.		
	6mm Thk Double Wall Fiber Cement Board, with Complete Framing and Accessories	209	sq.m.		
	10mm Thk Compact, Post Forming Grade, High Pressure Phenolic Toilet Partition	36	sq.m.		
	Ceiling Works				
	6mm Thk Fiber Cement Board Including Metal Framing	1260	sq.m.		
	Fabricated Materials				
	Countertop Cabinet	6	l.m.		
	Wall Hung Cabinet	8	sq.m.		
	Painting Works				
	Epoxy Enamel Paint Finish (Steel Surfaces)	124	sq.m.		
	Elastomeric Paint Finish (Exterior Walls)	678	sq.m.		
	Flat Latex Paint Finish				
	Interior Walls	1,252	sq.m.		
	Ceiling	1,260	sq.m.		
				MATERIALS COST	₱
				LABOR COST	
				SUBTOTAL	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Installation of Doors				
	D1 - (0.90m x 2.10m) Panel Door with Viewing Panel	11	set	₱	₱
	D2 - (0.90m x 2.10m) Panel Door	2	set		
	Door Jambs				
	D1 - Panel Door Wooden Jamb	11	set		
	D2 - Panel Door Wooden Jamb	2	set		
	Hardwares and Accessories				
	Door Hinges, Heavy Duty, Stainless	39	set		
	Door Knob, Lever Type, Stainless	13	set		
	Installation of Windows				
	W1 - (2.35m x 1.84m) Powder Coated Aluminum	39	set		
	W2 - (2.0m x 1.2m) Fixed Glass	1	set		
	W3 - (1.2m x 1.2m) Fixed Glass	4	set		
				MATERIALS COST	₱
				LABOR COST	
				SUBTOTAL	₱
				MATERIALS COST IV	₱
				LABOR COST IV	
				DIRECT COST IV	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
V	SANITARY/ PLUMBING WORKS				
	Sewer Line System				
	50mmØ PVC Pipe with Hub	50	piece	₱	₱
	75mmØ PVC Pipe with Hub	18	piece		
	100mmØ PVC Pipe with Hub	39	piece		
	75mmØ x 50mmØ Wye	12	piece		
	75mmØ x 75mmØ Wye	6	piece		
	100mmØ x 50mmØ Wye	23	piece		
	100mmØ x 75mmØ Wye	16	piece		
	100mmØ x 100mmØ Wye	12	piece		
	50mmØ x 50mmØ Tee	23	piece		
	75mmØ x 50mmØ Tee	3	piece		
	100mmØ x 100mmØ Tee	22	piece		
	50mmØ 1/4 Bend	66	piece		
	50mmØ 1/8 Bend	105	piece		
	75mmØ 1/8 Bend	66	piece		
	100mmØ 1/8 Bend	36	piece		
	75mmØ x 50mm Ø PVC Reducer	3	piece		
	75mmØ Cleanout	2	piece		
	100mmØ Cleanout	8	piece		
	50mmØ P-Trap	37	piece		
	75mmØ P-Trap	19	piece		
	Waterline System				
	20mmØ PPR Pipe	5	piece		
	32mmØ PPR Pipe	5	piece		
	65mmØ PPR Pipe	5	piece		
	32mmØ x 20mmØ Reducer	4	piece		
	65mmØ x 20mmØ Reducer	2	piece		
	20mmØ 90° Elbow	6	piece		
	32mmØ 90° Elbow	6	piece		
	65mmØ 90° Elbow	4	piece		
	20mmØ End Cap	8	piece		
	20mmØ Coupling	5	piece		
	32mmØ Coupling	5	piece		
	65mmØ Coupling	5	piece		
	Fixtures				
	Bidet, Heavy-Duty, Stainless with Complete Accessories (Water Efficient)	14	unit		
	Floor Drain, 100mm x 100mm Stainless Steel	19	piece		
	Kitchen Sink, Single, Stainless	2	piece		
	Kitchen Sink Faucet, Lever Type, Stainless, Heavy Duty (Water Efficient)	2	piece		
	Lavatory, Counter Top	6	set		
	Lavatory, Wall Hung	6	set		
	Lavatory Faucet, Lever Type, Stainless, Heavy Duty (Water Efficient)	12	set		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Shower Set, Fixed-Type, Stainless (Water Efficient)	1	set		
	Urinal, Flush Valve (Water Efficient)	4	set		
	Water Closet, Pail Flush-Type (Water Efficient)	5	set		
	Water Closet, Tank Type (Water Efficient)	14	set		
	Hardware and Accessories				
	Angle Valve, Single-Way Stainless Steel	14	piece		
	Angle Valve, Two-Way Stainless Steel	19	piece		
	Metal Door Hook	19	piece		
	Flexible Hose, Stainless	33	piece		
	Pipe Hangers and Supports				
	For Horizontal Pipes less than 50mmØ (2m interval)	40	l.m.		
	For Horizontal Pipes greater than 50mmØ (1m interval)	354	l.m.		
	For Vertical Pipes greater than 50mmØ (1m interval)	3	l.m.		
	Miscellaneous				
	400cc Solvent Cement	26	can		
	All Around Sealant	26	can		
	Concrete Drill Bit	22	piece		
	Hacksaw Blade	13	piece		
	Teflon Tape	10	roll		
	Waste Cloth	10	kg		
				MATERIALS COST V	₱
				LABOR COST V	
				DIRECT COST V	₱
VI	ELECTRICAL WORKS				
	Roughing-ins				
	20mmØ PVC Pipe	1,864	piece	₱	₱
	25mmØ PVC Pipe	50	piece		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	32mmØ PVC Pipe	102	piece		
	50mmØ PVC Pipe	24	piece		
	65mmØ PVC Pipe	8	piece		
	80mmØ PVC Pipe	12	piece		
	100mmØ PVC Pipe	11	piece		
	100mmØ IMC Pipe	4	piece		
	Fittings And Accessories				
	50mm x 100mm Metal Utility Box	305	piece		
	100mm x 100mm Metal Junction Box with Cover	207	piece		
	100mm x 100mm Metal Junction Box with Cover	20	piece		
	20mmØ PVC Adaptor	1,064	piece		
	25mmØ PVC Adaptor	40	piece		
	32mmØ PVC Adaptor	20	piece		
	50mmØ PVC Adaptor	4	piece		
	65mmØ PVC Adaptor	2	piece		
	80mmØ PVC Adaptor	6	piece		
	100mmØ PVC Adaptor	4	piece		
	20mmØ PVC Flexible Tube	2	roll		
	20mmØ PVC Locknut & Bushing	1064	piece		
	25mmØ PVC Locknut & Bushing	40	piece		
	32mmØ PVC Locknut & Bushing	20	piece		
	50mmØ PVC Locknut & Bushing	4	piece		
	65mmØ PVC Locknut & Bushing	2	piece		
	80mmØ PVC Locknut & Bushing	6	piece		
	100mmØ PVC Locknut & Bushing	4	piece		
	50mmØ PVC Elbow	2	piece		
	65mmØ PVC Elbow	2	piece		
	80mmØ PVC Elbow	8	piece		
	100mmØ PVC Elbow	4	piece		
	100mmØ IMC Locknut and Bushing	8	pair		
	100mmØ Weatherproof Entrance Cap, Diecast	2	piece		
	16mmØ x 250mm Oval Eye Bolt w/ Nut	1	piece		
	20mm Ø x 3000mm Grounding Rod (Copper Clod) with Ground Clamp	3	piece		
	Wires and Cables				
	3.5mm² THHN Wire	60	roll		
	5.5mm² THHN Wire	14	roll		
	8.0mm² THHN Wire	30	lm		
	14mm² THHN Wire	635	l.m.		
	30mm² THHN Wire	122	l.m.		
	50mm² THHN Wire	50	l.m.		
	60mm² THHN Wire	10	l.m.		
	125mm² THHN Wire	105	l.m.		
	250mm² THHN Wire	150	l.m.		
	3.5mm² TW Wire	37	roll		
	5.5mm² TW Wire	10	l.m.		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	8.0mm ² TW Wire	366	l.m.		
	14mm ² TW Wire	16	l.m.		
	22mm ² TW Wire	65	l.m.		
	50mm ² TW Wire	50	l.m.		
	Lighting Fixtures				
	300mm x 1200mm, 1 x 18w LED, Troffer Type, with Complete Accessories, Recessed Mounted Type	11	set		
	600mm x 1200mm, 1 x 18w LED, Troffer Type, with Complete Accessories, Recessed Mounted Type	138	set		
	Emergency Light, Twin-head	4	piece		
	LED Exit Light Milled Aluminum Type Double-sided Face, 1.2V, 600mAh Rechargeable Ni-Cd Battery	5	piece		
	LED Recessed Ceiling Center Light	1	piece		
	Triangular Façade Lighting	2	set		
	150mm Ø Round Recessed Pinlight (Case)	36	piece		
	150mm Ø Round Recessed Pinlight LED 9W	36	piece		
	Wiring Devices				
	Outlet with Grounding, One-Gang	9	piece		
	Outlet with Grounding, Two-Gang	206	piece		
	Switch with Plate and Cover, One-Gang	57	piece		
	Switch with Plate and Cover, Two-Gang	13	piece		
	Switch with Plate and Cover, Three-Gang	6	piece		
	Switch with Plate and Cover, Three-Way	7	piece		
	Pipe Hangers & Supports				
	Horizontal Layout of Pipe	50	l.m.		
	Vertical Layout of Pipe	15	l.m.		
	Panelboard				
	MCB	1	assy		
	Main: 800AT, 800AF, 3P, 230V Enclosure: NEMA 3R				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	MDP Main: 800AT, 800AF, 3P, 230V Branches: 3 - 250AT, 3P, 230V,800AF 1 - 150AT, 3P, 230V,800AF 2 - 100AT, 3P, 230V,800AF Enclosure: NEMA 1	1	assy		
	DPA Main: 250AT, 200AF, 3P, 230V Branches: 1 - 150AT, 3P, 230V,200AF 1 - 100AT, 3P, 230V,200AF 2 - 60AT, 3P, 230V,200AF Enclosure: NEMA 1	1	assy		
	DPB Main: 250AT, 200AF, 3P, 230V Branches: 1 - 175AT, 3P, 230V,200AF 1 - 100AT, 3P, 230V,200AF 1 - 70AT, 3P, 230V,200AF 1 - 40AT, 3P, 230V,200AF Enclosure: NEMA 1	1	assy		
	PACU-A Main: 150AT, 200AF, 3P, 230V Branches: 1 - 70AT, 2P, 230V,200AF 1 - 60AT, 2P, 230V,200AF 2 - 50AT, 2P, 230V,200AF 2 - 30AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	PACU-B Main: 250AT, 200AF, 3P, 230V Branches: 2 - 100AT, 2P, 230V,200AF 1 - 70AT, 2P, 230V,200AF 3 - 60AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	LPPA Main: 60AT, 200AF, 3P, 230V Branches: 12 - 20AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	LPPB Main: 40AT, 200AF, 3P, 230V Branches:	1	assy		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	12 - 20AT, 2P, 230V,200AF Enclosure: NEMA 1				
	PPA Main: 70AT, 200AF, 3P, 230V Branches: 12 - 20AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	PPB Main: 70AT, 200AF, 3P, 230V Branches: 12 - 20AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	MSFCUA Main: 150AT, 200AF, 3P, 230V Branches: 18 - 30AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	MSFCUB Main: 175AT, 200AF, 3P, 230V Branches: 18 - 30AT, 2P, 230V,200AF Enclosure: NEMA 1	1	assy		
	Enclosed Circuit Breaker (ECB) Main: 100AT, 2P, 230V Enclosure: NEMA 3R	2	assy		
	Enclosed Circuit Breaker (ECB) Main: 70AT, 2P, 230V Enclosure: NEMA 3R	2	assy		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Enclosed Circuit Breaker (ECB) Main: 60AT, 2P, 230V Enclosure: NEMA 3R	2	assy		
	Enclosed Circuit Breaker (ECB) Main: 50AT, 2P, 230V Enclosure: NEMA 3R	2	assy		
	Enclosed Circuit Breaker (ECB) Main: 30AT, 2P, 230V Enclosure: NEMA 3R	2	assy		
	Miscellaneous & Consumables				
	400cc Solvent Cement	20	can		
	Electrical Tape	120	piece		
	GI Tie Wire, Ga. 16	10	kg		
	Hacksaw Blade	20	piece		
	Masking Tape	20	piece		
	Pulling Lubricant	10	can		
	Rubber Tape	10	piece		
	Torch with Butane	20	set		
				MATERIALS COST VI	₱
				LABOR COST VI	
				DIRECT COST VI	₱
VII	UTILITY AND ANCILLARY WORKS				
	300mm x 300mm x 0.15m Electrical Earth Pit	1	unit	₱	₱
	800mm x 800mm x 6000mm Electrical Service Entrance Post	1	unit		
	Septic Tank (6.50m L x 2.0m W x 1.7m D)	23	cu.m.		
				DIRECT COST VII	₱
VIII	MECHANICAL WORKS				
	Airconditioning System				
	Refrigeration System				
	Roughing-Ins				
	6.35mm Ø x 6m Copper Coil Tubing	26	piece	₱	₱
	9.52mm Ø x 6m Copper Coil Tubing	29	piece		
	12.70mm Ø x 6m Copper Coil Tubing	18	piece		
	15.88mm Ø x 6m Copper Coil Tubing	26	piece		
	Insulation				
	6.35mm Ø x 2m x 25mm thick Rubber Foam Insulation (30pcs/box)	3	box		
	9.52mm Ø x 2m x 25mm thick Rubber Foam Insulation (25pcs/box)	3	box		
	12.70mm Ø x 2m x 25mm thick Rubber Foam Insulation (25pcs/box)	2	box		
	15.88mm Ø x 2m x 25mm thick Rubber Foam Insulation (25pcs/box)	3	box		
	Condensate Water Drainage System				

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Roughing-Ins				
	32mm Ø X 3m, uPVC Pipe	11	piece		
	25mm Ø X 3m, uPVC Pipe	47	piece		
	32mm Ø, uPVC Elbow	22	piece		
	25mm Ø, uPVC Elbow	69	piece		
				Materials Cost	₱
				Labor Cost	
				Subtotal	₱
	Equipment				
	Split-Type Air Conditioning Unit				
	FCU 1 - Wall Mounted Fan Coil AC Unit 1.0 HP; 8,500 BTU-Hr, 365cfm, 670W, 230/1/60, 6.35Ø L; 9.52Ø G	1	set	₱	₱
	FCU 2 - Wall Mounted Fan Coil AC Unit 2.0 HP; 17,000 BTU-Hr, 450cfm, 1550W, 230/1/60, 6.35Ø L; 12.70Ø G	1	set		
	Multi-Split Type Air Conditioning Unit				
	Indoor Units				
	MSFCU 1 - Wall Mounted Fan Coil AC Unit 8,500 BTU-Hr, 365cfm, Fan Motor 40W, 230/1/60, 6.35Ø L; 9.52Ø G	10	set		
	MSFCU 2 - Wall Mounted Fan Coil AC Unit 12,200 BTU-Hr, 400cfm, Fan Motor 50W, 230/1/60, 6.35Ø L; 9.52Ø G	8	set		
	MSFCU 3 - Wall Mounted Fan Coil AC Unit 17,000 BTU-Hr, 450cfm, Fan Motor 50W, 230/1/60, 6.35Ø L; 12.70Ø G	4	set		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	MSFCU 4 - Wall Mounted Fan Coil AC Unit 20,400 BTU-Hr, 525cfm, Fan Motor 50W, 230/1/60, 6.35Ø L; 12.70Ø G	3	set		
	MSFCU 5 - Ceiling Cassette Fan Coil AC Unit 24,100 BTU-Hr, 600cfm, Fan Motor 56W, 230/1/60, 6.35Ø L; 12.70Ø G	2	set		
	MSFCU 6 - Ceiling Cassette Fan Coil AC Unit 36,000 BTU-Hr, 900cfm, Fan Motor 150W, 230/1/60, 9.52Ø L; 15.88Ø G	5	set		
	Outdoor Units				
	ACCU 3 - Air Conditioner Condensing Unit 43,000 BTU-Hr, 2400cfm, Compressor Motor 3KW, Fan Motor 0.18KW, 230/3/60, 9.52Ø L; 15.88Ø G	4	assy		
	ACCU 4 - Air Conditioner Condensing Unit 92,100 BTU-Hr, 5700cfm, Compressor Motor 4.8KW, Fan Motor 0.42KW, 230/3/60, 9.52Ø L; 15.88Ø G	5	assy		
	Accessories				
	BU Module - 5 Indoor Connections	5	unit		
	BU Module - 3 Indoor Connections	4	unit		
				Materials Cost	₱
				Labor Cost with Technical Supervision	
				Subtotal	₱
	Ventilation System				
	Exhaust Fans				
	EF 1 - Duct Mounted Cassette Type - 145 CMH, 20W, 220/1/60, with backdraft damper	1	set	₱	₱
	EF 2 - Wall Mounted Cassette Type - 115 CMH, 27- 30W, 220/1/60, with backdraft damper	1	set		
	Ducting System				
	150mm Ø, PVC Pipe with Hub	1	piece		
	150mm Ø, Hubless Coupling PVC	1	piece		
	150mm Ø, 1/4 Bend PVC	2	piece		
	Duct Cap	1	piece		
	Pipe Hangers and Supports				
	Condensate Water Drainage System Support	91	l.m.		
	Refrigerant Pipe System Support	594	l.m.		
	ACCU Support	9	unit		
	Vibration Isolator	9	piece		
	Miscellaneous and Consumables				
	25mm wide x 50m long Polyethylene Tape	12	roll		
	400cc Solvent Cement	5	can		
	50mm x 10m Duct Tape	59	roll		
	Brazing Rod 10pcs/box	30	box		
	Hacksaw Blade	20	piece		
	Teflon Tape	10	roll		
	Waste Cloth	5	kg		
				Materials Cost	₱

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
				Labor Cost	
				Subtotal	₱
				MATERIALS COST VIII	₱
				LABOR COST VIII	
				DIRECT COST VIII	₱

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

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS		TOTAL COST
I	GENERAL REQUIREMENTS		₱
II	SITE WORKS		
III	CIVIL/ STRUCTURAL WORKS		
IV	ARCHITECTURAL WORKS		
V	SANITARY/ PLUMBING WORKS		
VI	ELECTRICAL WORKS		
VII	UTILITY AND ANCILARY		
VIII	MECHANICAL WORKS		
NOTE: • Strictly enforce health protocols relative to the latest applicable DPWH memorandum		TOTAL DIRECT COST	₱
		Overhead, Contingencies and Miscellaneous and Consumables Expenses (OCM)	
		Profit VAT	
		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 sheet indicating the unit prices of construction materials, labor rates, and equipment 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 guidelines¹ 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.

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/manufacture/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

Page _____ of _____

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

Page _____ of _____

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)

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.

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 VEY 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

