

PHILIPPINE BIDDING DOCUMENTS



Name of Project/Location : Construction of Fire Boat Station at N. Espiritu St. beside Rizal High School, Brgy Caniogan, Pasig City

Approved Budget for the Contract: P 19,993,990.33

Government of the Republic of the Philippines

**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

Invitation to Bid for Construction of Fire Boat Station at N. Espiritu St. beside Rizal High School, Brgy Caniogan, Pasig City.

1. The City Government of Pasig, through the Annual or Supplemental Budget, as approved by the Sanggunian intends to apply the sum of **PHP 19,993,990.33** being the Approved Budget for the Contract (ABC) to payments under the contract Construction of Fire Boat Station at N. Espiritu St. beside Rizal High School, Brgy Caniogan, Pasig City. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.
2. The City Government of Pasig now invites bids for the above Procurement Project. Completion of the Works is required **270 calendar days**. 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 City Government of Pasig and inspect the Bidding Documents at the address given below from 8:00 A.M. to 5:00 P.M. office hours.
5. A complete set of Bidding Documents may be acquired by interested bidders on **August 30, 2023** from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of PHP 25,000.00.* The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person.
6. The City Government of Pasig will hold a Pre-Bid Conference¹ on **September 6, 2023, 1:30 P.M.**, at **7th Floor Meeting Room, Pasig City Hall** which shall be open to prospective bidders.
7. **Bids must be duly received by the Procurement Management Office (BAC Secretariat Office) through manual submission at the office address as indicated below, on or before 9:30 A.M. of September 18, 2023. 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 September 18, 2023 at 10:00 A.M. at the given address below 7th Floor Meeting Room, Pasig City Hall. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. **The address for submission of bids is at the Procurement Management Office (BAC Secretariat Office), 4th Floor Pasig City Hall Caruncho Avenue, San Nicolas Pasig City. The deadline for submission of bids is on or before 9:30 A.M. of September 18, 2023.**

Each Bidder shall submit **ONE (1) SEALED MOTHER ENVELOPE** containing:

1. ORIGINAL (SEALED AND LABELED)

- 1.1. Hard Copy Original Technical Components and
- 1.2. Hard Copy Original Financial Components and
- 1.3 One (1) **USB Flash Drive** containing scanned P.D.F. Documents of the Original Technical Components and Original Financial Components.

2. COPY 1 (SEALED AND LABELED)

- 2.1. One (1) **USB Flash Drive** or **CD** sealed and labeled as "**COPY 1**" containing scanned P.D.F Documents of Technical and Financial Components.

11. **The City Government of Pasig** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office
CITY GOVERNMENT OF PASIG
Procurement Management Office, 4th Floor, Pasig City Hall,
Caruncho Ave., San Nicolas Pasig City
bidsandawards@pasigcity.gov.ph
8643-1111 loc. 1461

13. You may visit the following websites:

PS-Philgeps Website
Pasig City Website

August 30, 2023

ATTY. JOSEPHINE C. LATI-BAGAOISAN
BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **City Government of Pasig** invites Bids for the **Construction of Fire Boat Station at N. Espiritu St. beside Rizal High School, Brgy Caniogan, Pasig City**, with Project Identification Number **PB-09-18-2023-03**

[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 **CY 2023** in the amount of **PHP 19,993,990.33**.

2.2. The source of funding is:

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

3. Bidding Requirements

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

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

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

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

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

5. Eligible Bidders

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

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

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

6. Origin of Associated Goods

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

7. Subcontracts

- 7.1. The Procuring Entity has prescribed that:
 - a. Subcontracting is not allowed.
- 7.2. 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 as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid 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 shall be valid until **120 calendar days**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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 7 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 16 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**.

INSTRUCTION TO BIDDERS

PROJECT : Construction of Fire Boat Station at N. Espiritu St. beside Rizal High School,
Brgy Caniogan, Pasig City

Date : August 30, 2023

This shall form an integral part of the Bid Documents.

1. Bidders are requested to organize and submit their bids on the following requirements:

1. *Submit First (1st) Envelope containing one (1) hardcopy of the ORIGINAL Technical Component, including the Eligibility Requirements. 1st Envelope shall be sealed and labeled as "ORIGINAL TECHNICAL COMPONENT".*
2. *Submit Second (2nd) Envelope containing one (1) hard copy of the ORIGINAL Financial Component. 2nd Envelope shall be sealed and labeled as "ORIGINAL FINANCIAL COMPONENT".*
3. *Submit USB Flash Drive containing one (1) soft/scanned copy of the ORIGINAL Technical Component and Financial Component;*
***Note:** The 1st Envelope, 2nd Envelope and the USB flash drive containing the soft/scanned copy of the original technical and financial components shall be enclosed in a single envelope, sealed and labeled as "ORIGINAL BID".*
4. *Submit USB Flash Drive containing one (1) soft/scanned copy of the Technical Component and Financial Component. USB flash drive shall be enclosed in a separate envelope, sealed and labeled as "COPY1".*
5. *The "ORIGINAL BID" and "COPY 1" envelopes shall be enclosed in a single MOTHER ENVELOPE sealed and properly labeled.*

**Sections of the bid shall be separated by dividers, proper tabs;*

**NO scratch papers.*

All envelopes (1st Envelope, 2nd Envelope, Original Bid Envelope, Copy 1 Envelope and Mother Envelope) shall be labeled as follows:

- Addressed to the procuring entity’s BAC Chairperson
 - Name of the project/contract to be bid
 - Name, address and contact details of the bidder
 - “DO NOT OPEN BEFORE <bid opening date and time>”
- ✓ Unsealed or unmarked bid envelopes shall be rejected. However, bid envelopes that are not properly sealed and marked, as required in the bidding documents, shall be accepted, provided that the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The Procuring Entity shall not be responsible for misplaced Bidding Documents and premature opening.

BIDDING DOCUMENTS AVAILABILITY AND FEE

- Bidding Documents:
 - August 30, 2023 to September 18, 2023 until 9:30 A.M.
 - 8:00 am to 5:00 pm and upon payment of applicable fees for the Bidding Documents at the City Treasurer’s Office.
- Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.
- Standard rates for bidding documents

Approved Budget for the Contract	Maximum Cost of Bidding Documents
500,000 and below	P500.00
More than 500,000 up to 1 million	1,000.00
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

INSTRUCTION TO BIDDERS ON PAYMENT OF BIDDING DOCUMENTS

- Secure Order of Payment for the bidding documents at the Procurement Management Office, 4th Floor Pasig City Hall.

- Proceed to City Treasurer's Office, 1st Floor Pasig City Hall for the payment of bidding documents.
- Mode of payment: Cashier Manager's/Cashier's Check payable to City Government of Pasig
 - **Personal Check shall not be accepted.**
- Present the Official Receipt to the BAC Secretariat's Office for the release of the complete Set of bidding documents.

REMINDERS:

- The deadline for the submission of bid is on **September 18, 2023** at 9:30 AM at the Procurement Management Office, 4th Floor Pasig City Hall, Caruncho Ave., San Nicolas Pasig City. The digital clock at the Procurement Management Office that is set to the Philippine Time (PhST) shall be used as reference in determining the time for the submission of bids, Hence participating bidders are advised to synchronize their timepiece with the said digital clock. **Late bids or those who submitted after 9:30 AM of September 18, 2023 shall not be accepted.**
- Bidders may submit their bid documents days ahead of the deadline for the submission in order to avoid late submission.
- Bid opening shall be on **September 18, 2023** at 10:00 AM at 7th Floor Meeting Room, Pasig City Hall, Caruncho Ave., San Nicolas Pasig City. Bids will be opened in the presence of the bidders' representatives who choose to attend.
- All licenses, permits and other required clearances should be valid at the time of the submission of bids, Post-Qualification Evaluation and signing of the contract.

- *The BAC expects the bidders to exercise due diligence in going through the bid documents so that they can prepare their bids intelligently.*
- *The Bids and Awards Committee will still continue to implement social distancing and shall require only one (1) Representative per company.*
- All attendees will be subjected to thermal scan prior to entry of the venue and shall:
 1. Wear medical face mask and face shield at all times—**“No Mask No Entry”**
 2. Bring black ballpen
 3. Bring alcohol

Please be reminded that all queries after the issuance of Bid Bulletin will not be entertained.

ATTY. JOSEPHINE C. LATI-BAGAOISAN
BAC Chairperson

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause																																					
5.2	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p><u>Construction-General Building Works except under conditions provided under the rules (Contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB).</u></p>																																				
7.1	Subcontracting is not allowed.																																				
10.3	A valid Philippine Contractors Accreditation Board (PCAB) license and registration for Size Range – <u>Small B- Building and Industrial Plant License</u> at least Category: <u>General Building –C & D</u>																																				
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">KEY PERSONNEL</th> <th style="text-align: center;">GENERAL EXPERIENCE</th> <th style="text-align: center;">QTY</th> <th style="text-align: center;">RELEVANT EXPERIENCE</th> </tr> </thead> <tbody> <tr> <td>Project Manager (PM)</td> <td>Licensed Civil Engineer/ Architect</td> <td style="text-align: center;">1</td> <td>With a minimum of three (3) years relevant work experience as project manager in building construction</td> </tr> <tr> <td>Safety Officer</td> <td>Safety Officer</td> <td style="text-align: center;">1</td> <td>With a minimum of one (1) year in building construction projects handled as safety officer</td> </tr> <tr> <td>Master Plumber</td> <td>Master Plumber</td> <td style="text-align: center;">1</td> <td>With a minimum of one (1) year experience in plumbing works</td> </tr> <tr> <td>Electrical Engineer</td> <td>Licensed Electrical Engineer</td> <td style="text-align: center;">1</td> <td>With a minimum of three (3) years relevant work experience as electrical engineer in construction</td> </tr> <tr> <td>Foreman</td> <td>At least one (1) year experience</td> <td></td> <td>At least one (1) year experience on construction</td> </tr> <tr> <td colspan="4">Additional Manpower</td> </tr> <tr> <td>Skilled</td> <td>At least (1) year experience</td> <td></td> <td>As required</td> </tr> <tr> <td>Unskilled</td> <td>At least (1) year experience</td> <td></td> <td>As required</td> </tr> </tbody> </table>	KEY PERSONNEL	GENERAL EXPERIENCE	QTY	RELEVANT EXPERIENCE	Project Manager (PM)	Licensed Civil Engineer/ Architect	1	With a minimum of three (3) years relevant work experience as project manager in building construction	Safety Officer	Safety Officer	1	With a minimum of one (1) year in building construction projects handled as safety officer	Master Plumber	Master Plumber	1	With a minimum of one (1) year experience in plumbing works	Electrical Engineer	Licensed Electrical Engineer	1	With a minimum of three (3) years relevant work experience as electrical engineer in construction	Foreman	At least one (1) year experience		At least one (1) year experience on construction	Additional Manpower				Skilled	At least (1) year experience		As required	Unskilled	At least (1) year experience		As required
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10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Capacity</u></th> <th><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>EQUIPMENT</td> <td>CAPACITY</td> <td>MINIMUM NUMBER OF UNITS</td> </tr> <tr> <td>Elf Truck</td> <td>35.31 cu. Ft.,</td> <td>1</td> </tr> <tr> <td>Backhoe</td> <td>As required</td> <td>1</td> </tr> <tr> <td>Excavator</td> <td>As required</td> <td>1</td> </tr> <tr> <td>Minor Tools</td> <td>As required</td> <td>As required</td> </tr> <tr> <td>Welding Machine</td> <td>As required</td> <td>1</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	EQUIPMENT	CAPACITY	MINIMUM NUMBER OF UNITS	Elf Truck	35.31 cu. Ft.,	1	Backhoe	As required	1	Excavator	As required	1	Minor Tools	As required	As required	Welding Machine	As required	1
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Welding Machine	As required	1																				
12	No further instructions.																					
15.1	<p>The bid security shall be in the form of a <i>Bid Securing Declaration</i> or any of the following forms and amounts:</p> <ol style="list-style-type: none"> The amount of not less than 2% of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; The amount of not less than 5% of ABC if bid security is in Surety Bond. 																					
19.2	No further instructions.																					
20	<p>The following licenses/s and permit/s shall be required:</p> <ol style="list-style-type: none"> Registration certificate form Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives of its equivalent document Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR) Valid PCAB License Category: <u>General Building- C & D</u> and Registration of at least <u>Small B- Building and Industrial Plant</u> 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. Latest income and business tax returns Valid licenses issued by the Professional Regulatory Commission (PRC); <p>No other acceptable proof of registration is recognized.</p>																					

21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and PERT/CPM S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.
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Section IV. General 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

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date is <u>270 calendar days</u> .
3.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor upon the issuance of Notice to Proceed.
6	No further instructions.
7.2	<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: Fifteen (15) years.</i></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: Five (5) years.</i></p> <p><i>In case of other structures, such as Bailey and wooden bridges, shallow wells, spring developments, and other similar structures: Two (2) years.</i></p>
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works to the Procuring Entity's Representative within ten (10) days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is one percent (1%).
13	Advance payment shall be made only upon the submission to and acceptance by the Procuring Entity. The amount of the advance payment is fifteen percent (15%) of the Contract price.
14	No further instructions.
15.1	If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals within thirty (30) calendar days from the completion of the project.
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 one percent (1%) of the final contract amount.

Section VI. Specifications



Form No. : _____
Date : _____
Page No. : 1 of 5

NAME OF PROJECT : CONSTRUCTION OF FIRE BOAT STATION
LOCATION : N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY

Source of Funds : GENERAL FUND - CO Calendar Days to Complete : 270 CD
Issued Obligated Author : _____ Desirable Starting Date : _____

MINIMUM EQUIPMENT REQUIREMENT				TECHNICAL PERSONNEL REQUIRED			
DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.
WELDING MACHINE	1	GRINDER	3	CIVIL ENGINEER	1	P.E.E.	1
JACKHAMMER	1	MINOR TOOLS	1	FOREMAN	1	SAFETY OFFICER	1

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
1.0	MOBLIZATION	0.75%	1.00	lot		
2.0	PRELIMINARIES					
	- Occupational Safety and Health Program		7.00	mos.		
	- Bunkhouse / Temporary Facilities		20.00	sq. m.		
	- Temporary Barricade and Protection Net		20.00	li. m.		
	- Water and Electricity Consumption		7.00	mos.		
	SUBTOTAL	2.26%				
3.0	EARTHWORKS					
	- Concrete Breaking and Disposal		44.00	sq. m.		
	- Disposal of Excavated materials/Unsuited Materials		180.00	cu. m.		
	- Shoring Protection (Rental)		20.00	pcs.		
	- Gravel Bedding		37.00	cu. m.		
	- Excavation		1,102.00	cu. m.		
	- Escombros with binder		546.00	cu. m.		
	- Aggregate Sub-base Course		367.00	cu. m.		
	- Aggregate Base Course		137.00	cu. m.		
	- Type II Steel Sheet Pile (400mm x 100mm x 10mm x 6m)		257.00	pcs.		
	SUBTOTAL	40.69%				
4.0	STRUCTURAL WORKS					
	CONCRETE WORKS:					
	- Ready Mix Concrete (4000 psi - 28 days)		393.00	cu. m.		
	FORMWORKS AND SCAFFOLDINGS:					
	- Columns / Footings / FTB		126.00	sq. m.		
	- Beams / Gutter / Stairs		70.00	sq. m.		
	- Scaffolds		60.00	sq. m.		
	- Labor		540.00	sq. m.		
	STEEL WORKS:					
	- Reinforcing Steel Bars, Grade 40		4,850.00	kgs.		
	- Reinforcing Steel Bars, Grade 60		47,038.00	kgs.		
	- Flat Bar 1-1/2" x 1/4"		2.00	pcs.		
	- Angle Bar 2" x 2" x 1/4"		25.00	pcs.		
	- Bar 1-1/2" x 1-1/2" x 1/4"		12.00	pcs.		
	- Gauge 24 G.I. Roofing Rib Type w/ downspout system		32.00	sq. m.		
	- G.I. Tie Wire #16		11.00	roll		
	- G.I. Pipe S40 1/2"		35.00	pcs.		
	- G.I. Pipe S40 2"		10.00	pcs.		
	- Assorted CW Nails		35.00	kgs.		
	- Welding Rod for Stainless Steel (3/32)		2.00	box		
	SUBTOTAL	34.97%				
5.0	MASONRY / ARCHITECTURAL WORKS					
	- 6" CHB Wall		285.00	sq. m.		
	- 4" CHB Wall		325.00	sq. m.		
	- Plastering Works		1,220.00	sq. m.		
	- Painting Works (Concrete)		1,157.00	sq. m.		
	- Painting Works (Dry Wall)		148.00	sq. m.		
	- Water Proofing		288.00	sq. m.		
	- Dry Wall (Hardiflex Board with Metal Furring)		72.00	sq. m.		
	- Aluminum Stair Nosing (1.8mm x 11mm x 2.44m)		148.00	pcs.		
	- Tile Works (Flooring 30cm x 30cm)		9.00	sq. m.		
	- Tile Works (Wall 30cm x 30cm)		74.00	sq. m.		
	- Modular Wooden Cabinet complete with hinges and lockset		16.00	set		
	FABRICATION AND INSTALLATION OF THE FOLLOWING DOORS:					
	- 2100mm x 2000mm Aluminum Roll Up Doors complete with lockset		1.00	set		
	- 800mm x 2100mm Single Leaf Swing-In Type Solid KD Panel Door on 50mm x 150mm Solid KD Door Jamb complete with hinges and lockset		4.00	set		



NAME OF PROJECT : CONSTRUCTION OF FIRE BOAT STATION
LOCATION : N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
	- 630mm x 2100mm x 10mm Double Sliding Reflective Glass Door Panel on typical 32mm x 50mm powder coated aluminum framing with clear glass and complete doorlocks		5.00	set		
	- 600mm x 2100mm Single Leaf Swing-in Type PVC Door 50mm x 150mm Solid KD Door Jamb complete with hinges and lockset		4.00	set		
	- 700mm x 2100mm Double Leaf Swing-in Type Solid KD Panel Door 50mm x 150mm Solid KD Door Jamb complete with hinges and lockset		5.00	set		
FABRICATION AND INSTALLATION OF THE FOLLOWING WINDOWS:						
	- 1100mm x 1200mm x 8mm Reflective Glass on Aluminum Sliding Window on Aluminum Jamb w/ Powder Coated frame with lockset		299.00	sq. ft.		
	- 1000mm x 600mm x 8mm Reflective Glass on Aluminum Sliding Window on Aluminum Jamb w/ Powder Coated frame with lockset		33.00	sq. ft.		
	- 840mm x 2200mm x 8mm Reflective Glass on a Fixed Aluminum Window Jamb w/ Powder Coated frame with lockset		80.00	sq. ft.		
SUBTOTAL					9.93%	
ELECTRICAL WORKS						
6.00	PANELBOARD AND BREAKERS					
	DP (Ground Floor) Main: 160AT, 250AF, 2Pole, MCCB, 230volts, Branches: - 1 - 100AT, 100AF, 2Pole, MCB, Common Trip, 50kaic - 7 - 30AT, 2Pole, MCB, Common Trip, 22kaic - 4 - 20AT, 2Pole, MCB, Common Trip, 22kaic - Bolt-on, with Grounding Terminal Block, Surface Mount - Powder coated finished, G.I. sheet, guage 16 in NEMA 1 - Nameplates on Panelboard and Circuit Breakers		1.00	assy.		
	LPP B (Second Floor) Main: 100AT, 100AF, 2Pole, MCCB, 230volts, Branches: - 6 - 30AT, 2Pole, MCB, Common Trip, 22kaic - 4 - 20AT, 2Pole, MCB, Common Trip, 22kaic - Bolt-on, with Grounding Terminal Block, Surface Mount - Powder coated finished, G.I. sheet, guage 16 in NEMA 1 - Nameplates on Panelboard and Circuit Breakers.		1.00	assy.		
	ENCLOSED CIRCUIT BREAKER : (ECB-ACU #1 to #5) - 30AT, 50AF, 2P, 10kaic, MCCB, Common Trip, in NEMA 4X - Enclosure, Bolt-On Type with Grounding Terminal Blocks, - Powder Coated, Stainless Sheet, G.I. Gauge #16, Surface - Mounted, with Nameplates on Panelboard, Bottom Entry - with lock and keys		5.00	assy.		
	ENCLOSED CIRCUIT BREAKER : SERVICE ENTRANCE Main: 160AT, 250AF, 2Pole, MCCB, 230volts, 85kaic - Bolt-on, with Grounding Terminal Block, in NEMA 4X - Powder coated finished, G.I. sheet, guage 16 - Side Entry, for service entrance		1.00	assy.		
SUBTOTAL					0.55%	
7.00	FIXTURES, OUTLETS, AND DEVICES					
	Surfaced Type Luminare, Housing made of sheet, powder coated in white resins, parabolic mirrorized aluminum reflector and multi-lined satin finished louvers, 2 x 18 watts LED lamp, 30t - 40t burning hours, (1200 x 600 x 80 mm), 180-264 volts 150 lumens		53.00	sets		
	LED Panel Downlight, 12 watts, Daylight, Indoor Type, Recessed Type, 120 lumens per watt		20.00	pcs.		
	Emergency Light, Twin Head LED bulb, 230 volts, 20 to 30 hours back up battery run time.		19.00	pcs.		
	IP67 Outdoor Waterproof Light Wall Light Up and Down , 2 X 6 watts led bulb warmlight 100 x 100 x 280 mm		8.00	pcs.		
	Weatherproof Lighting Fixture, polycarbonate hsg, with 2 x 9watts LED tube daylight , 120lumens/watts		12.00	pcs.		
	Simplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white		19.00	pcs.		
	Duplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white		36.00	pcs.		



NAME OF PROJECT : CONSTRUCTION OF FIRE BOAT STATION
LOCATION : N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
	Orbit Fan, 16" diameter		28.00	pcs.		
	One Gang Switch, Wide Type, 10Amps rating, with cover plate, wide type, white		45.00	pcs.		
	Two Gang Switch, Wide Type, 10Amps rating, with cover plate, wide type, white		5.00	pcs.		
	Three Way Switch, Wide Type, 10Amps rating, with cover plate, wide type, white		4.00	pcs.		
SUBTOTAL					1.95%	
8.00	WIRES, CONDUITS, AND OTHER ACCESSORIES					
	- 80.0 mm ² THHN Stranded Wire		40.00	li. m		
	- 22.0mm ² THHN Stranded Wire		20.00	li. m		
	- 30.0mm ² THHN Stranded Wire		20.00	li. m		
	- 8.0mm ² THHN Stranded Wire		10.00	li. m		
	- 5.5mm ² THHN Stranded Wire		325.00	li. m		
	- 3.5mm ² THHN Stranded Wire		2,140.00	li. m		
	- 2.0mm ² THHN Stranded Wire		696.00	li.m		
	- 20mm(1/2")∅ PVC Pipe x 10ft. sch. 40		277.00	pcs.		
	- 25mm(3/4")∅ PVC Pipe x 10ft. sch. 40		105.00	pcs.		
	- 32mm(1")∅ PVC Pipe x 10ft. sch. 40		8.00	pcs.		
	- 50mm(1 1/2")∅ PVC Pipe x 10ft. sch. 40		4.00	pcs.		
	- 50mm(1 1/2")∅ RSC Pipe x 10ft. sch. 40		2.00	pcs.		
	- 3"∅ PVC Pipe x 10ft. sch. 40		2.00	pcs.		
	- Junction Box, with grounding terminal lug, deep type, G.I. Gauge #16		101.00	pcs.		
	- Utility Box, with grounding terminal lug, deep type, G.I. Gauge #16		117.00	pcs.		
	- G.I Wires #16		25.00	kgs.		
	- Electrical Tape, Big		12.00	rolls		
	- Rubber Tape		2.00	rolls		
	- PVC Solvent, 1 Liter		5.00	cans		
	-Waterstop, 200mL		3.00	cans		
	- Vulcaseal, 1L		3.00	cans		
	- 50mm∅ (1-1/2") Service Entrance Cap, Diecast Aluminum, Threaded Type		1.00	pcs.		
	- Ground rod including ground clamp, 20mm∅ x 3000mm∅ solid GI steel with copper cladding		1.00	pcs.		
	- Oval eyebolt with 5/8 x 18", 1-1/2 eye inside diameter x2", with square nut		1.00	pcs.		
	Hangers, Supports, and Accessories Including angle bar, clamp, full thread, screws, bolts and nuts, flat washer, hauling, installation using scaffolding or ladder, painting, and other accessories.		180.00	sets		
SUBTOTAL					1.93%	
9.00	MECHANICAL WORKS					
	- 2.0HP WALL MOUNTED, INVERTER TYPE 220V, 1P, 60HZ, R32		2.00	sets		
	- 2.5HP WALL MOUNTED, INVERTER TYPE 220V, 1P, 60HZ, R32		3.00	sets		
	Refrigerant Copper Tubing, Hard Drawn, Type L					
	- Refrigerant Copper Tubing, Hard Drawn, Type L (suction and discharge pipe)		150.00	lgt/m		
	Closed Cell Elastomeric Rubber Insulation (1" thick)					
	- Closed Cell Elastomeric Rubber Insulation (1" thick) (suction and discharge pipe)		150.00	pcs		
	- Polythelene Tape (white)		5.00	rolls		
	Condensate Drain System					
	- 25mm ∅, PVC S-Blue pipe		4.00	lgt/10ft		
	- PVC S-Blue fittings (elbow and tee) 3/4"		12.00	pcs		
	- 25mm ∅, rubber insulation		4.00	pcs		
	- Polyethylene Tape (blue)		3.00	rolls		
	- Mapp gas		1.00	tank		
	- Silver Rod		10.00	pcs		
	- Charging Freon, R32		6.00	kls		
	- Nitrogen		2.00	tank		
	- Other accessories		5.00	sets		
	- Polythelene Tape (white)		5.00	rolls		
	- Exhaust Fan, 12" diameter 150cfm		1.00	pcs		
	- ACCU Bracket		5.00	sets		
	- Other accessories, support,hangers		5.00	sets		
SUBTOTAL					2.78%	



NAME OF PROJECT : CONSTRUCTION OF FIRE BOAT STATION
LOCATION : N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
10.00	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM					
	32" Led Monitor (CCTV Monitoring Screen) Resolution: at least 1920 x 1080 pixels and 60Hz Display Features: Full HD, Anti Glare Monitor Feature: 1080p, Freesync Response Time: 5 ms and below Others: with cables, accessories, and warranty		1.00	unit		
	Network Video Recorder (NVR) - up to 16 Channel IP cameras can be connected - 2 SATA interfaces (up to 10TB per HDD) - Recording up to 8MP resolution supports decoding H.265+/H.265/H.264+/H.264 video formats - 10mbps incoming bandwidth, 160mbps outgoing bandwidth - 1 HDMI and 1 VGA interfaces: both interfaces support independent video output - Plug & Play with 16 Power-over-Ethernet (PoE) interfaces. - Channel-zero function ensures smooth remote live view and playback in low bandwidth environment. (W/ WARRANTY)		1.00	unit		
	Octagonal Box with Cover, G.I. Gauge #16		7.00	pcs		
	4-Megapixel CCTV Camera, 1/4" CMOS image sensor, built-in IR LED, max IR distance : 30m, 12V DC/PoE power support, IP67 protection, with warranty		7.00	units		
	8-Terabyte Hard Disk Drive - 3.5" SATA, up to 256MB/s, 7200RPM, 256mb cache with three years warranty		1.00	unit		
	CCTV Cabinet/Rack and Table		1.00	set		
	Cat 6 cable wire including RJ45		130.00	li. m		
	Others (accessories, hangers, tagging/ panning of camera and support including c-clamp and velcro, tv mounting plate, POE, wire mesh/cable tray)		90.00	sets		
	SUBTOTAL	0.56%				
11.00	ELECTRICAL POST / SERVICE ENTRANCE including painting:					
	Concrete (3000 PSI 3/4" 28 DAYS)		5.02	cu.m		
	Rebars		388.00	kls		
	Forms		25.22	sq. m		
	Excavation (Labor Only)		31.56	cu.m		
	Backfilling (Labor Only)		28.14	cu.m		
	SUBTOTAL	0.59%				
	PLUMBING WORKS					
12.0	PLUMBING					
	<i>(Use PVC Pipes and Fittings of S-1000, SDR 35, ASTM D2729 and ISO 3633)</i>					
	- PVC Pipe 4" x 3m		12.00	length		
	- PVC Pipe 2" x 3m		8.00	length		
	- PVC Wye 4" x 4"		5.00	pcs.		
	- PVC Wye Reducer 4" x 2"		5.00	pcs.		
	- PVC Elbow 4" x 90 degrees		24.00	pcs.		
	- PVC Elbow 4" x 45 degrees		12.00	pcs.		
	- PVC Elbow 2" x 90 degrees		6.00	pcs.		
	- PVC Elbow 2" x 45 degrees		8.00	pcs.		
	- PVC Tee 4" x 2"		6.00	pcs.		
	- PVC Tee 4"		4.00	pcs.		
	- PVC Tee 2"		4.00	pcs.		
	- PVC P-Trap 2"		7.00	pcs.		
	- PVC Clean-Out 4"		10.00	pcs.		
	- Solvent 400cc		10.00	can		
	- Metal Hangers w/ Expansion Bolt		10.00	pcs.		
	LABOR COST					
	SUBTOTAL	0.34%				
13.0	PPR PIPE AND FITTING					
	- PPR Pipe 20 (1/2") x 4m		10.00	length		
	- PPR Pipe 25 (1") x 4m		12.00	length		
	- PPR Elbow 20 (1/2")		16.00	pcs.		
	- PPR Elbow 25 (3/4")		10.00	pcs.		
	- PPR Tee 20 (1/2")		5.00	pcs.		
	- PPR Tee 25 (3/4")		5.00	pcs.		
	- PPR Tee Reducer 25mm x 20mm		5.00	pcs.		



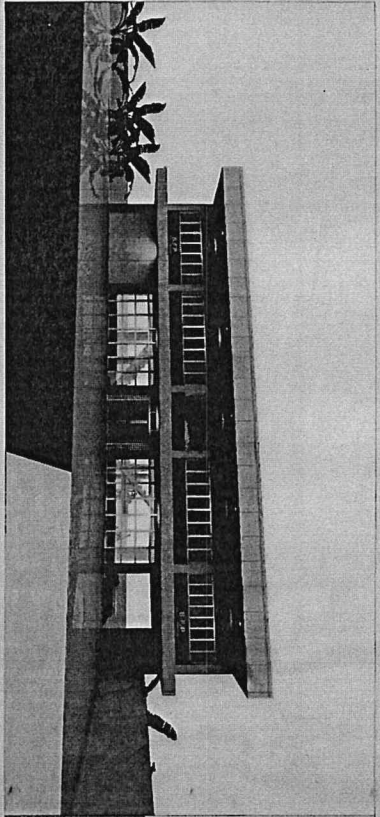
NAME OF PROJECT : CONSTRUCTION OF FIRE BOAT STATION
LOCATION : N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY

ESTIMATED COST OF PROPOSED WORK:

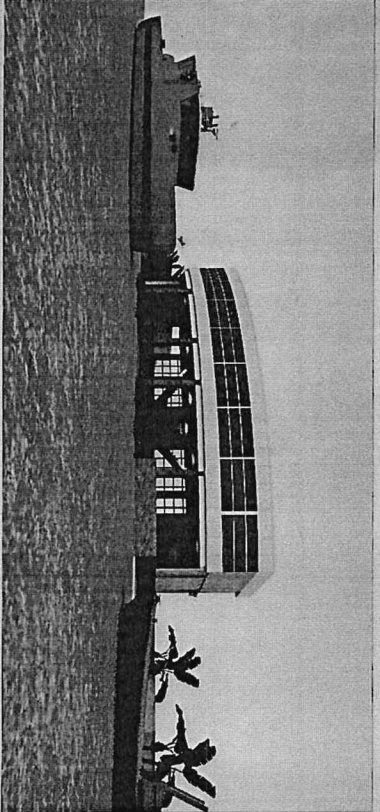
ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
	- PPR Male Adapter 20mm		10.00	pcs.		
	- PPR Male Adapter 25mm		4.00	pcs.		
	- PPR Elbow Female Adapter 20mm		6.00	pcs.		
	- PPR Tee Female Adapter 20mm		6.00	pcs.		
	- PPR End Cap 20mm		10.00	pcs.		
	- PPR Coupling Red. 25mm x 20mm		5.00	pcs.		
	- PPR Coupling 25mm		10.00	pcs.		
	- PPR Coupling 20mm		10.00	pcs.		
	- Gate Valve 1/2" Kitz		5.00	pcs.		
	- Gate Valve 1 3/4" Kitz		2.00	pcs.		
	- Metal Hangers w/ Expansion Bolt		10.00	pcs.		
	LABOR COST					
	SUBTOTAL	0.33%				
14.0	PLUMBING FEATURE					
	- 119 Gallons Butyl Bladder Tank		1.00	units		
	- 2 HP, Motor Pump		2.00	units		
	- Control Panel Board for 2 units, 2 HP Motor Tank		1.00	units		
	- 2000 Liters P.E Storage Tank w/ complete accessories		1.00	units		
	- Electrical Tape		2.00	pcs.		
	- THHN # 10		20.00	li. m.		
	- Union Patente 1" diameter		6.00	pcs.		
	- G.I Nipple 1" x 6"		10.00	pcs.		
	- G.I Nipple 1" x 3"		4.00	pcs.		
	- G.I Bushing Reducer 1-1/2" X1"		2.00	pcs.		
	- Gate Valve 1" diameter		3.00	pcs.		
	- Gate Valve 3/4" diameter		6.00	pcs.		
	- Check Valve 1" diameter		2.00	pcs.		
	- Gate Valve 1/2" diameter		6.00	pcs.		
	- Teflon Tape		15.00	pcs.		
	LABOR COST					
	SUBTOTAL	1.96%				
15.0	PLUMBING FIXTURE					
	- Water Closet		2.00	units		
	- Lavatory (ordinary)		2.00	units		
	- Shower set		2.00	units		
	- Single Stainless Kitchen Sink w/ Drainboard		2.00	units		
	- Faucet (Brass)		2.00	units		
	- Floor Drain		6.00	units		
	LABOR COST					
	SUBTOTAL	0.40%				
						1.00

1.00

Section VII. Drawings

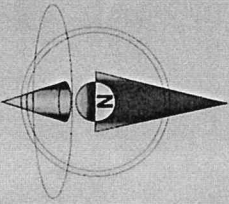


FRONT

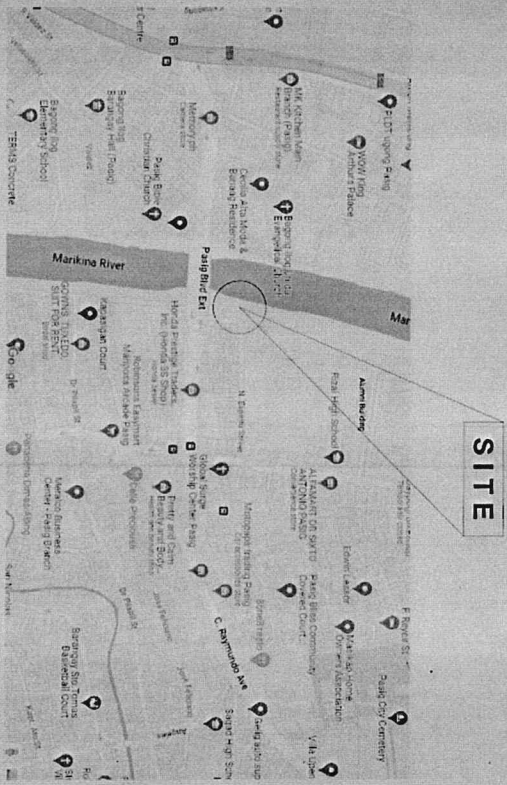
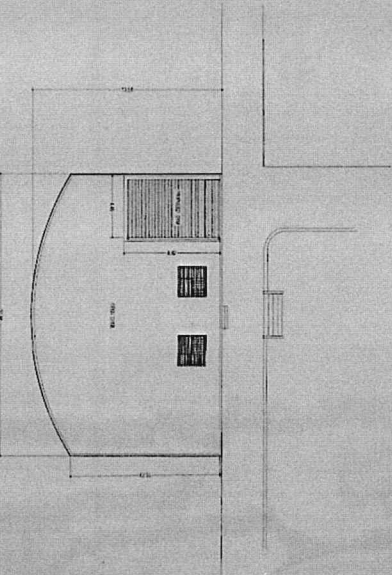


REAR

PERSPECTIVE



SITE DEVELOPMENT PLAN



VICINITY MAP



REPUBLIC OF THE PHILIPPINES
CITY OF MARIKINA
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ARCHITECTURAL:
Arch. **ELMER C. ESTRADA**
Arch. **ISA OLIVAR**
Chief Architectural Clerk

VERTICAL SECTION:
Reviewed by:
Engr. **SEAN LAMANCE S. MALIANO**
Project Engineer

CHECKED BY:
Engr. **SEAN LAMANCE S. MALIANO**
Project Engineer

RECOMMENDING APPROVAL:
Engr. **LAMANCE S. MALIANO**
Project Engineer

Engr. **ARTALBERES V. GERONIMO**
City Engineer

APPROVED BY:
Engr. **VICTOR M. REGISIN SOTTO**
City Engineer

SHEET NO:
AI
PERSPECTIVE
SITE DEVELOPMENT
PLAN YCMW

LOCATION: ASPERINITY ST. BESIDE RIZAL HIGH SCHOOL, MARIGON, CANTONAN, MARIKINA CITY



REPUBLIC OF THE PHILIPPINES
 OFFICE OF THE MAYOR
 CITY OF PASIG
ENGINEERING DEPARTMENT
 VERTICAL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ARCHITECTURAL:
 ARCH. ELMER ESTRADA
 ARCH. LEA V. OLVAR

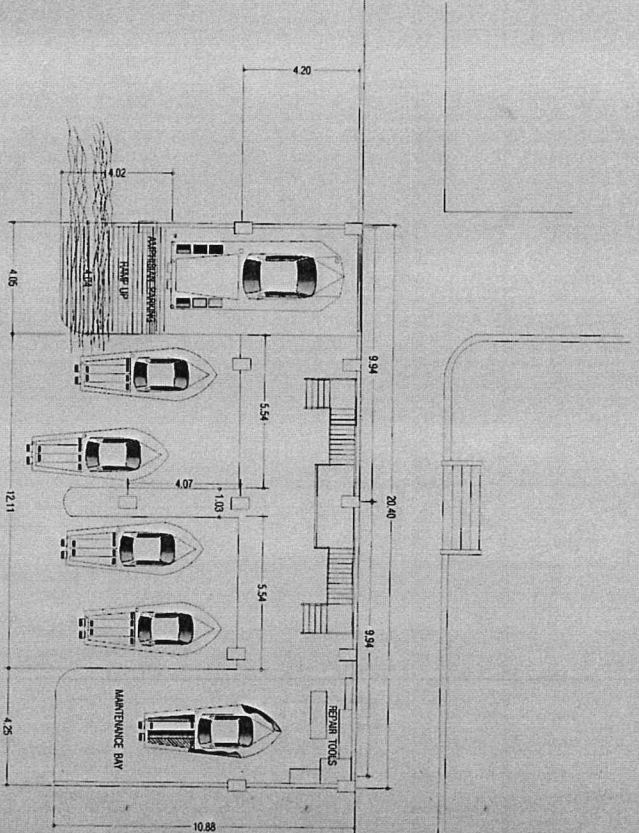
VERTICAL SECTION:
 PREPARED BY:
 ENGR. JESUS M. KANESSES

CHECKED BY:
 ENGR. DANIEL B. RUDDENICO
 ENGR. ARTAZERRES V. GERONIMO

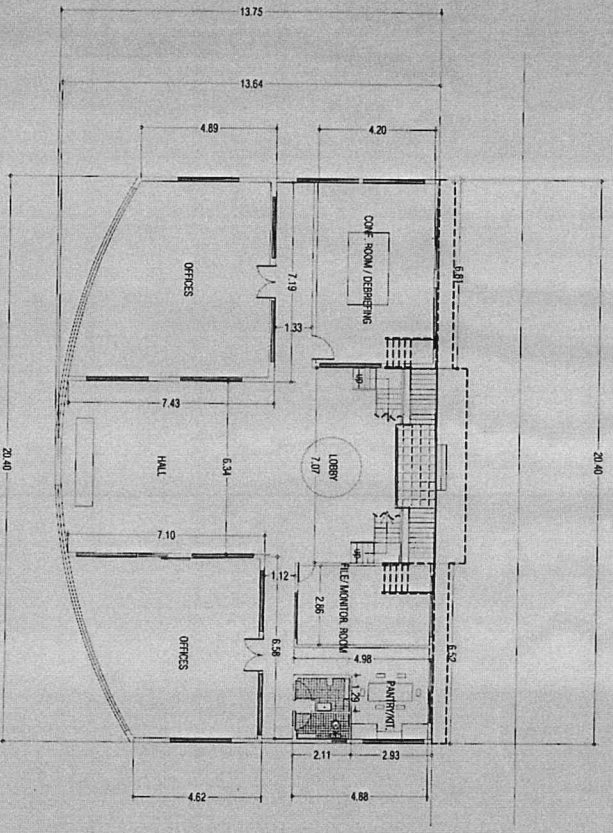
RECOMMENDING APPROVAL:
 APPROVED BY:
 VICTOR M. TRIGUERO, SOTTO

SHEET NO:
A2

PROJECT LOCATION:
 LOCATION: N. ESPINOSA ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANTOQUAN, PASIG CITY



BAY LEVEL PLAN
 SCALE: 1:100 M.



GROUND LEVEL PLAN
 SCALE: 1:100 M.

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

PROJECT LOCATION:
 LOCATION: N. ESPINOSA ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANTOQUAN, PASIG CITY



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ARCHITECTURAL:
Arch. **ELMER C. ESTRADA**
Acc'd. **JOSE QUILAR**
Chief, Architectural Office

VERTICAL SECTION:
PREPARED BY:
Engr. **SEAN LAWRENCE S. MALINDO**
Project in Charge

CHECKED BY:
Engr. **LEONARDO B. DOMESTICO**
Chief, Architectural Office

RECOMMENDING APPROVAL:
Engr. **LEONARDO B. DOMESTICO**
Chief, Architectural Office

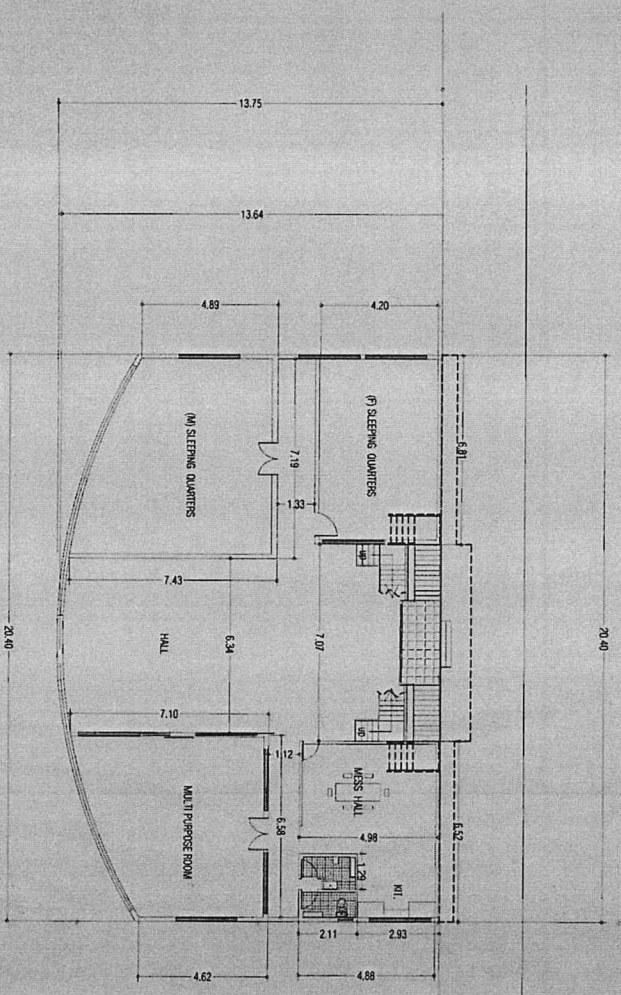
Engr. **ARTAXERES V. GERONIMO**
Chief, Engineering Department

APPROVED BY:
VICTOR M. REGIS M. SOTTO
City Mayor

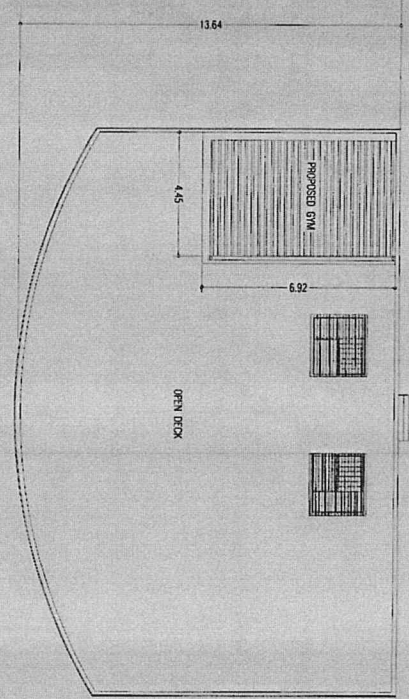
SHEET NO.
A-3
SECOND LEVEL
PLAN ROOF
DECK PLAN

LOCATION: N. ESPRITO ST. BESIDE RIZAL HIGH SCHOOL, BANG, CANGCANG AVENUE CITY

SECOND LEVEL PLAN
SCALE: 1:100 M.



ROOF DECK PLAN
SCALE: 1:100 M.





REPUBLIC OF THE PHILIPPINES
CITY OF MANILA
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ARCHITECTURAL:
Arch. **ELMER S. ESTRADA**
Arch. **LEA V. OLVAR**
Chief, Architectural Office

VERTICAL SECTION:
Prepared by:
Engr. **SEAN LAWRENCE S. MALIBAO**
Project in Charge

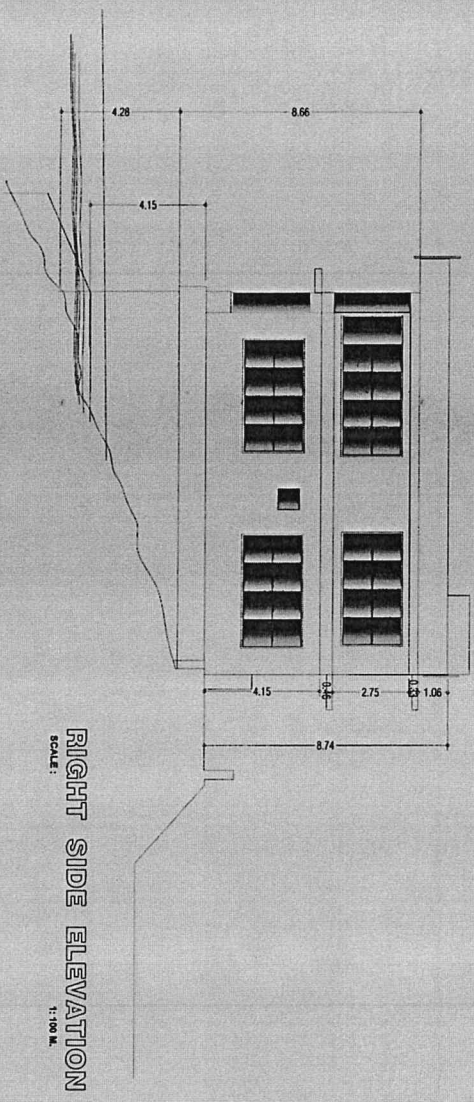
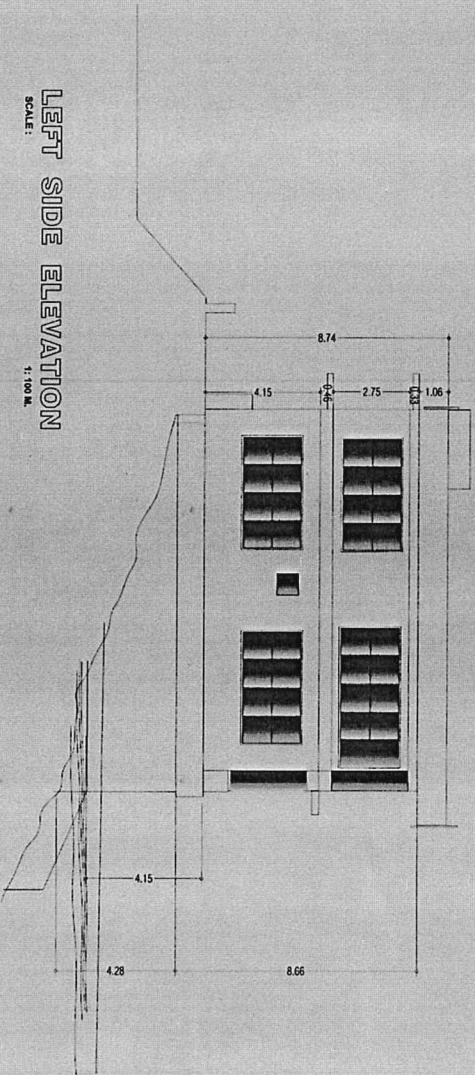
CHECKED BY:
Engr. **ISRAEL V. RAIBESSES**
Chief, Vertical Section

RECOMMENDING APPROVAL:
Engr. **DANIEL B. PRUDENCIO**
Chief, Planning & Construction Division

Engr. **ARTAXERXES V. GERONIMO**
DIC, Engineering Department

APPROVED BY:
VICTOR M. REGENT SOTTO
City Mayor

SHEET NO:
A9
RIGHT SIDE ELEVATION
LEFT SIDE ELEVATION





REPUBLIC OF THE PHILIPPINES
CITY OF MANILA
OFFICE OF THE BARON
ENGINEERING DEPARTMENT
VENTIL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ARCHITECTURAL:
Arch. **EMERIL ESTAYDA**
Architect III
Arch. **ISA V. OLIVAR**
Arch. Internship Clerk

VENTIL SECTION:
PREPARED BY:
Engr. **SEAN LAWRENCE S. MALUJO**
Project Engineer

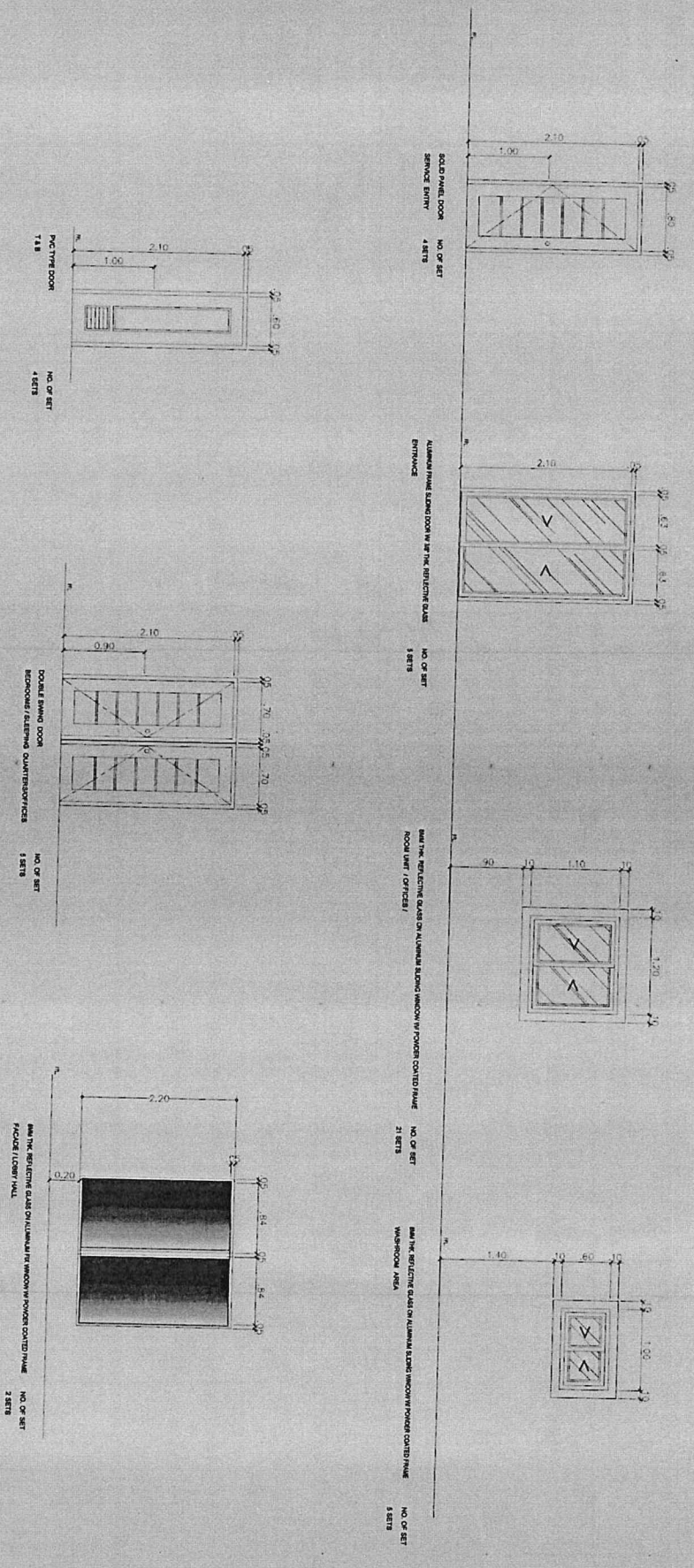
CHECKED BY:
Engr. **ISRAEL PANASSES**
Chief Engineer

RECOMMENDING APPROVAL:
Engr. **B. PRUDENCIO**
Chief Engineer
Engr. **ARTAVARDES V. GERONIMO**
Chief Engineer

APPROVED BY:
VICTOR **REGISIN SOTTO**
City Engineer

SHEET NO.:
A6
DOOR AND WINDOWS SCHEDULE

LOCATION: N. ASPINTU ST. RESIDE NIZA HIGH SCHOOL, BNGT. CANGCANG, PASIG CITY





REPUBLIC OF THE PHILIPPINES
CITY OF MANILA
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ARCHITECTURAL:
Arch. **ELMER Q. ESTERADA**
Arch. **LEA M. OJEDA**
Arch. **LEA M. OJEDA**

VERTICAL SECTION:
PREPARED BY:
Engr. **FRANCISCO S. MALIANO**
Project in Charge

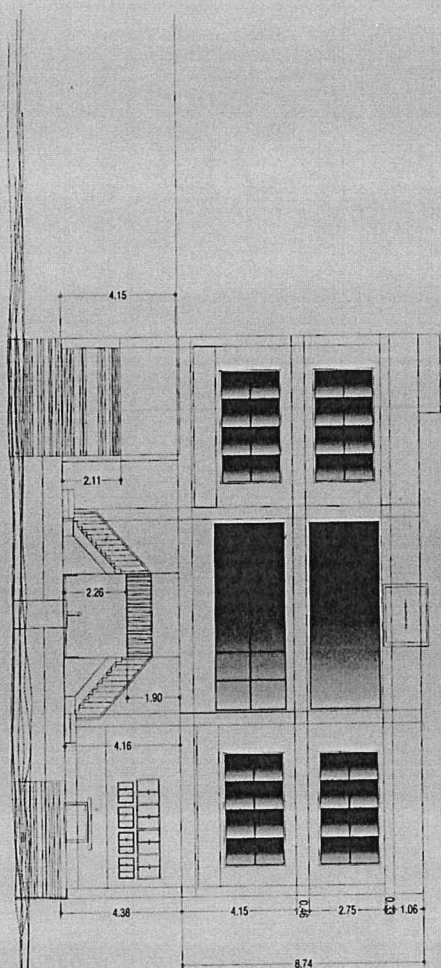
CHECKED BY:
Engr. **IRVING B. RANSES**
Chief, Vertical Section

RECOMMENDING APPROVAL:
Engr. **IRVING B. RANDES**
Chief, Mechanical, Electrical & Construction Division

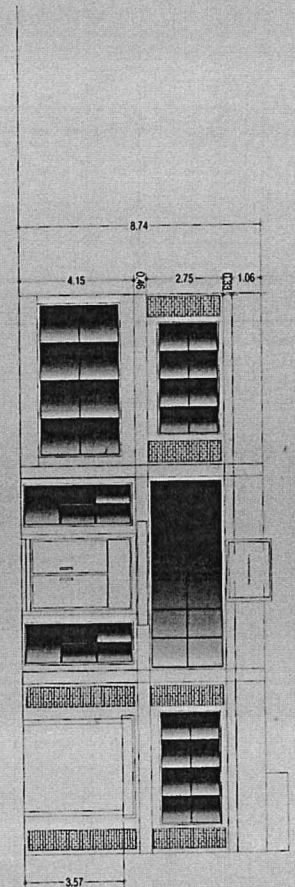
Engr. **ARTAVENDES V. GERONIMO**
Dir. Engineering Department

APPROVED BY:
VICTOR M.B. REGIS, SOTTO
City Mayor

SHEET NO:
A5
FRONT ELEV
REAR ELEV



REAR ELEVATION
SCALE: 1:100 M.



FRONT ELEVATION
SCALE: 1:100 M.

REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
 OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
 VERTICAL SECTION

PROJECT TITLE: **CONSTRUCTION OF FIREBOAT STATION**
 LOCATION: ALBERTO ST BEHIND KENIA HIGH SCHOOL, BANG CANDAYAN, PASIG CITY
 ENGR. SEAN LAWRENCE MALINDAO
 PROJECT IN CHARGE

PROGRAMMING AND CONSTRUCTION:
 PREPARED BY: ENGR. ANTONIO B. DOMINGO
 ENGR. JAMES C. MADRANO
 CHIEF ARCHITECT SECTION

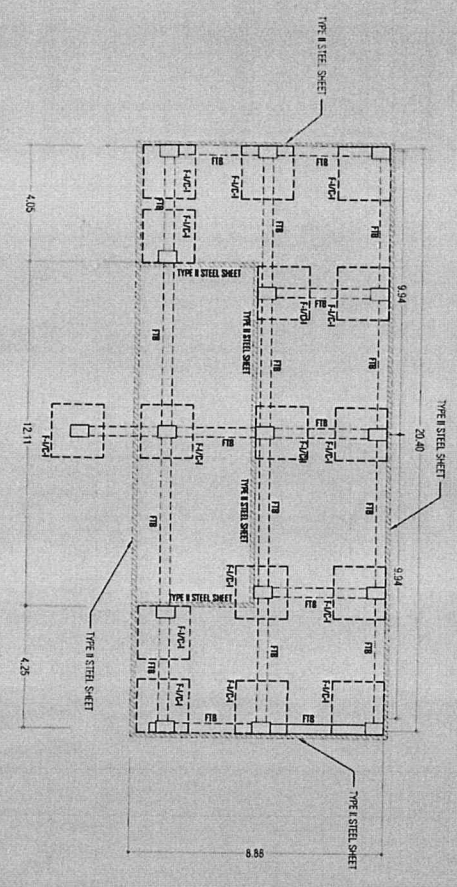
VERTICAL SECTION:
 RECEIVED BY: ENGR. ISABEL N. BANSSES
 ENGR. RAYMUNDO B. PRUDENCIO
 ENGR. ARTAXIENES V. GERONIMO
 CHIEF PLANNING, PROGRAMMING AND CONSTRUCTION DIVISION

RECOMMENDING APPROVAL:
 O.I.C. CITY ENGINEER'S OFFICE

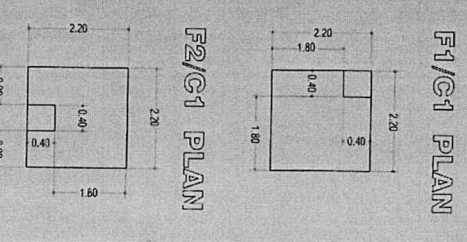
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 CITY MAYOR

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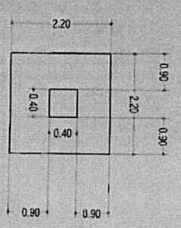
BAY FOUNDATION PLAN
 SCALE: 1:100 M.



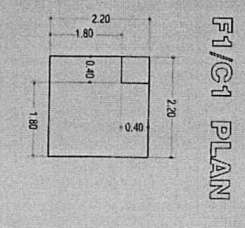
F3/G1 PLAN
 SCALE: 1:100 M.



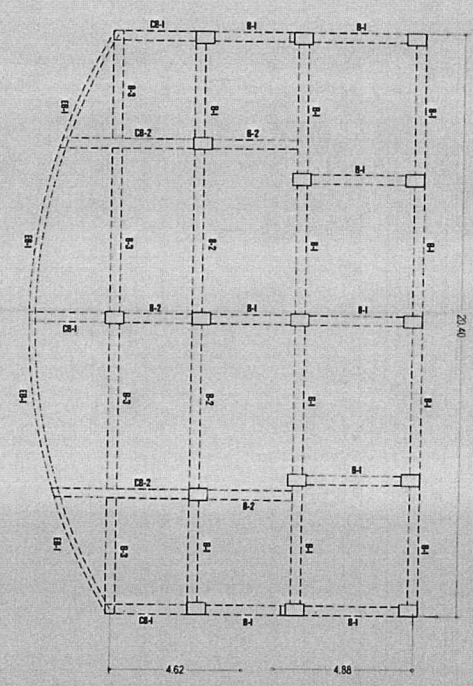
F1/G1 PLAN
 SCALE: 1:100 M.



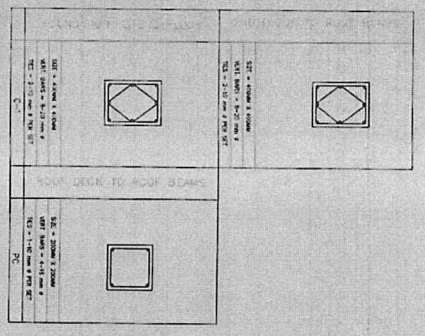
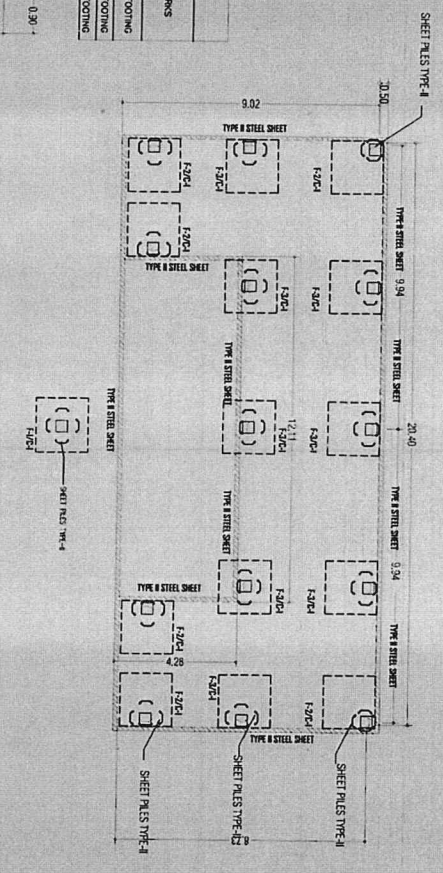
F2/G1 PLAN
 SCALE: 1:100 M.



GROUND FRAMING PLAN
 SCALE: 1:100 M.



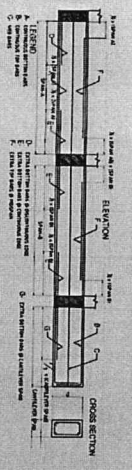
SHEET PILE LAYOUT PLAN
 SCALE: 1:100 M.



SCHEDULE OF FOOTING

MARK	DIMENSION (mm)		TOP BAYS	BOTTOM BAYS	DEPTH OF FOOTING (mm)	REMARKS
	L	B				
F-1	2000	400	10-#18	10-#18	250	ISOLATED FOOTING
F-2	1300	400	10-#18	10-#18	250	ISOLATED FOOTING
F-3	2200	400	11-#18	11-#18	250	ISOLATED FOOTING

TYPICAL DETAIL OF FOOTING IN BEAM



- 1. USE 20MM BS 8 IN 20mm REST @ 100 TO CENTER LINE.
- 2. ALL REINFORCING BARS TO BE LAPPED AND LAP JOINTS TO BE COMPACTED BY TAMPING OR SHAKING.
- 3. ALL CASTED CONCRETE TO BE COMPACTED BY TAMPING OR SHAKING.

- NOTES:
- NO FORMING SHALL BE USED IN ALL CASTED MATERIALS.
 - IN CASE THE CONSTRUCTION OF THE FOUNDATION SHALL BE INTERRUPTED, THE CONSTRUCTION SHALL BE STOPPED AT THE END OF EACH DAY AND THE FOUNDATION SHALL BE PROTECTED BY A PROTECTIVE COVER.
 - ALL REINFORCING BARS TO BE LAPPED AND LAP JOINTS TO BE COMPACTED BY TAMPING OR SHAKING.

COLUMN FOOTING SCHEDULE
 GROUND FRAMING PLAN
 SHEET PILE LAYOUT PLAN
 F1/G1, F2/G1, F3/G1 FOUNDATION

STRUCTURAL SPECIFICATIONS AND STANDARD DETAILS

100 CONCRETE HOLLOW BLOCKS

REINFORCEMENT AS SHOWN SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED BY THE PLAN

BLOCK THICK	CONCRETE HOLLOW BLOCK REINFORCEMENT	NOTES
13 MM	HORIZONTAL: 10mm @ 400mm O.C. VERTICAL: 10mm @ 400mm O.C.	
15 MM	HORIZONTAL: 10mm @ 400mm O.C. VERTICAL: 10mm @ 400mm O.C.	
18 MM	HORIZONTAL: 10mm @ 400mm O.C. VERTICAL: 10mm @ 400mm O.C.	

110 CONCRETE WALLS

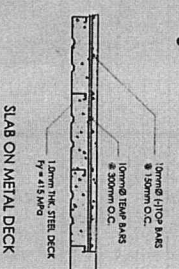
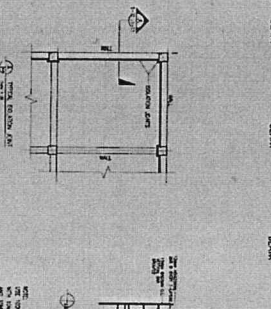
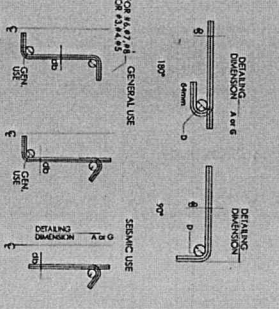
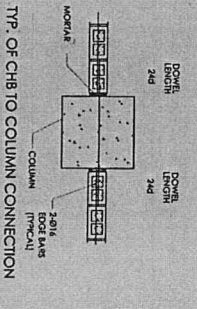
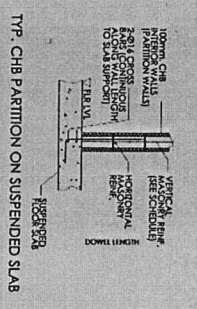
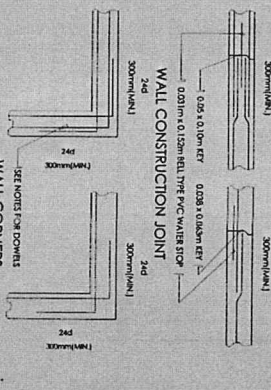
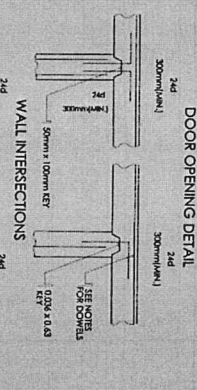
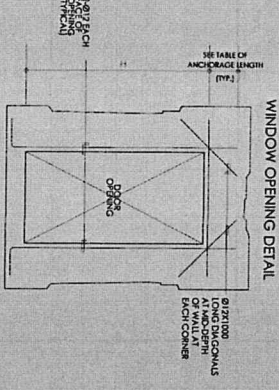
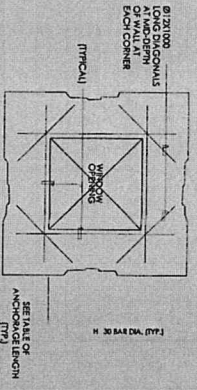
REINFORCEMENT AS SHOWN SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED BY THE PLAN

WALL THICK	HORIZONTAL REINFORCEMENT	VERTICAL REINFORCEMENT	REMARKS	VERTICAL SECTION
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	
150mm	#20mm O.C.	#10mm @ 400mm O.C.	TOP & BOTTOM WALL REINFORCEMENT SHALL BE PROVIDED	

120 PRE-CAST WALLS

REINFORCEMENT AS SHOWN SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED BY THE PLAN

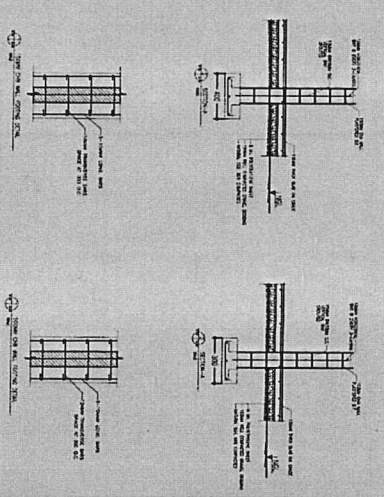
WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	LOCATION
≤ 150mm	10mm @ 400mm O.C.	10mm @ 400mm O.C.	AS SHOWN



140 CONSTRUCTION JOINTS

- REINFORCEMENT AS SHOWN SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED BY THE PLAN
141. SURFACE OF CONCRETE CONSTRUCTION JOINTS SHALL BE CLEAN AND UNPAVED.
 142. UNPAVED REINFORCEMENT SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED BY THE PLAN.
 143. CONSTRUCTION JOINT SHALL BE TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 144. CONSTRUCTION JOINT IN HOLES SHALL BE LOCATED WITHIN THE HOLE. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 145. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 146. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 147. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 148. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 149. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.
 150. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB. REINFORCEMENT SHALL BE PROVIDED TO HAVE AND LOCATED AS NOT TO WEAR THE SURFACE OF THE SLAB.

BAR	Ø	SPACING	GENERAL USE	SEMI-CIRCULAR USE
#10	10mm	400mm	GENERAL USE	SEMI-CIRCULAR USE
#12	12mm	300mm	GENERAL USE	SEMI-CIRCULAR USE
#14	14mm	250mm	GENERAL USE	SEMI-CIRCULAR USE
#16	16mm	200mm	GENERAL USE	SEMI-CIRCULAR USE
#18	18mm	150mm	GENERAL USE	SEMI-CIRCULAR USE
#20	20mm	100mm	GENERAL USE	SEMI-CIRCULAR USE
#22	22mm	75mm	GENERAL USE	SEMI-CIRCULAR USE
#24	24mm	50mm	GENERAL USE	SEMI-CIRCULAR USE
#26	26mm	37mm	GENERAL USE	SEMI-CIRCULAR USE
#28	28mm	28mm	GENERAL USE	SEMI-CIRCULAR USE
#30	30mm	22mm	GENERAL USE	SEMI-CIRCULAR USE



REPUBLIC OF THE PHILIPPINES
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION
LOCATION: REPORT OF RESERVE FIRE BOAT STATION, BRGY. DAVANAO, MARIC CITY

STRUCTURAL SECTION:
DESIGNED BY: ENGR. SINDRAGO B. DOMINGO
CHECKED BY: ENGR. JESUALTA S. BARRERA
PROJECT IN CHARGE: ENGR. SEAN LAWRENCE S. MALINDAO

PROGRAMMING AND CONSTRUCTION:
PREPARED BY: ENGR. SEAN LAWRENCE S. MALINDAO

VERTICAL SECTION:
CHECKED BY: ENGR. JESUALTA S. BARRERA

RECOMMENDING APPROVAL:
ENGR. SINDRAGO B. DOMINGO
ENGR. SEAN LAWRENCE S. MALINDAO

APPROVED BY: ENGR. VICTOR M.B. REGISIN, SOTTO

SHEET NO: S4
CONCRETE WALL STRUCTURE
DESIGNED BY: ENGR. SINDRAGO B. DOMINGO
CHECKED BY: ENGR. JESUALTA S. BARRERA
PROJECT IN CHARGE: ENGR. SEAN LAWRENCE S. MALINDAO

STRUCTURAL SPECIFICATIONS AND STANDARD DETAILS

1.0 GENERAL

- 1.1. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY TO THE REQUIREMENTS OF THE FOLLOWING:
 - 1.1.1. REVISIONS TO THE SPECIFICATIONS SHALL BE MADE BY THE ARCHITECT.
 - 1.1.2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 1.2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 1.3. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

2.0 CONCRETE

- 2.1. ALL CONCRETE SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 2.2. ALL CONCRETE SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 2.3. ALL CONCRETE SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

3.0 REINFORCING BARS

- 3.1. ALL REINFORCING BARS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 3.2. ALL REINFORCING BARS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 3.3. ALL REINFORCING BARS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

4.0 STRUCTURAL STEEL

- 4.1. ALL STRUCTURAL STEEL SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 4.2. ALL STRUCTURAL STEEL SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 4.3. ALL STRUCTURAL STEEL SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

5.0 FORMWORKS

- 5.1. ALL FORMWORKS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 5.2. ALL FORMWORKS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 5.3. ALL FORMWORKS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

6.0 FOUNDATION

- 6.1. ALL FOUNDATION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 6.2. ALL FOUNDATION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 6.3. ALL FOUNDATION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

7.0 CONCRETE COLUMNS

- 7.1. ALL CONCRETE COLUMNS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 7.2. ALL CONCRETE COLUMNS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 7.3. ALL CONCRETE COLUMNS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

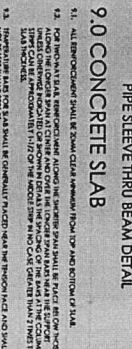
8.0 BEAMS & GIRDERS

- 8.1. ALL BEAMS & GIRDERS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 8.2. ALL BEAMS & GIRDERS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 8.3. ALL BEAMS & GIRDERS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

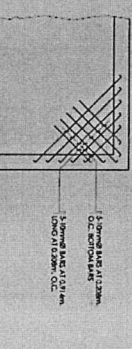
9.0 CONCRETE SLAB

- 9.1. ALL CONCRETE SLAB SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 9.2. ALL CONCRETE SLAB SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
- 9.3. ALL CONCRETE SLAB SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.

PIPE SLEEVE THRU BEAM DETAIL



SLAB ON GRADE



SLAB - ON - FILL

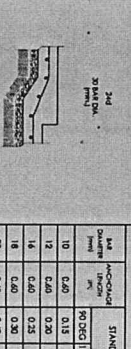


TABLE OF LAP SPICE & ANCHORAGE LENGTH

BAR SIZE	ANCHORAGE LENGTH (mm)	LAP SPICE (mm)	ANCHORAGE LENGTH (mm)	LAP SPICE (mm)
10	400	0.15	0.10	0.10
12	450	0.15	0.10	0.10
14	500	0.15	0.10	0.10
16	550	0.15	0.10	0.10
18	600	0.15	0.10	0.10
20	650	0.15	0.10	0.10
22	700	0.15	0.10	0.10
24	750	0.15	0.10	0.10
26	800	0.15	0.10	0.10
28	850	0.15	0.10	0.10
30	900	0.15	0.10	0.10

NOTES:

1. ALL REINFORCING BARS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
2. ALL REINFORCING BARS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.
3. ALL REINFORCING BARS SHALL BE SUBJECT TO THE REQUIREMENTS OF THE ARCHITECT.



REPUBLIC OF THE PHILIPPINES
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE: CONSTRUCTION OF FIRE BOAT STATION
LOCATION: N. ESPINOSA ST. RESERVA RIVAL HIGH SCHOOL, BANGOR, CANTON, ALABANG CITY

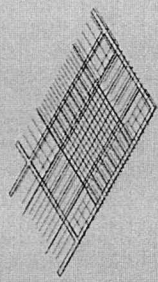
DESIGNED BY: Engr. SIMON B. DOMINGO
CHECKED BY: Engr. SEAN LAWRENCE S. MALINO

APPROVED BY: Engr. ROSALYN PANLASSERS
RECOMMENDING APPROVAL: Engr. ARYATERNES U. GERONIMO

APPROVED BY: VICTOR R. REGIS SOTTO

SHEET NO. S3
STRUCTURAL BEAMS, GIRDERS, AND FOUNDATIONS

SLAB REINFORCEMENT DETAIL



MARK	THICKNESS (mm)	REINFORCEMENT				REMARKS
		PARALLEL TO SHORT SPAN TOP AND BOTTOM @ SUPPORT	PARALLEL TO LONG SPAN TOP AND BOTTOM @ SUPPORT	PARALLEL TO SHORT SPAN TOP AND BOTTOM @ SUPPORT	PARALLEL TO LONG SPAN TOP AND BOTTOM @ SUPPORT	
S1	125	12mm @ 150mm O.C.	12mm @ 150mm O.C.	12mm @ 150mm O.C.	12mm @ 150mm O.C.	TOP BAR
S2	125	12mm @ 150mm O.C.	12mm @ 150mm O.C.	12mm @ 150mm O.C.	12mm @ 150mm O.C.	TOP BAR

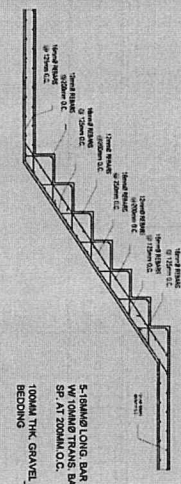


BEAM REINFORCEMENT DETAIL

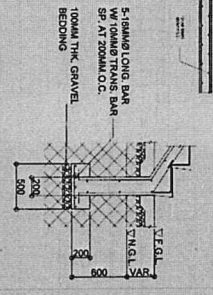
MARK	LENGTH (mm)	REINFORCEMENTS				REMARKS
		LEFT SUPPORT TOP	MID SPAN TOP	RIGHT SUPPORT TOP	RIGHT SUPPORT BOTTOM	
R1	2000	12mm	12mm	12mm	12mm	TOP BAR
R2	2000	12mm	12mm	12mm	12mm	TOP BAR
R3	2000	12mm	12mm	12mm	12mm	TOP BAR
R4	2000	12mm	12mm	12mm	12mm	TOP BAR
R5	2000	12mm	12mm	12mm	12mm	TOP BAR
R6	2000	12mm	12mm	12mm	12mm	TOP BAR
R7	2000	12mm	12mm	12mm	12mm	TOP BAR
R8	2000	12mm	12mm	12mm	12mm	TOP BAR
R9	2000	12mm	12mm	12mm	12mm	TOP BAR
R10	2000	12mm	12mm	12mm	12mm	TOP BAR
R11	2000	12mm	12mm	12mm	12mm	TOP BAR
R12	2000	12mm	12mm	12mm	12mm	TOP BAR
R13	2000	12mm	12mm	12mm	12mm	TOP BAR
R14	2000	12mm	12mm	12mm	12mm	TOP BAR
R15	2000	12mm	12mm	12mm	12mm	TOP BAR
R16	2000	12mm	12mm	12mm	12mm	TOP BAR
R17	2000	12mm	12mm	12mm	12mm	TOP BAR
R18	2000	12mm	12mm	12mm	12mm	TOP BAR
R19	2000	12mm	12mm	12mm	12mm	TOP BAR
R20	2000	12mm	12mm	12mm	12mm	TOP BAR
R21	2000	12mm	12mm	12mm	12mm	TOP BAR
R22	2000	12mm	12mm	12mm	12mm	TOP BAR
R23	2000	12mm	12mm	12mm	12mm	TOP BAR
R24	2000	12mm	12mm	12mm	12mm	TOP BAR
R25	2000	12mm	12mm	12mm	12mm	TOP BAR
R26	2000	12mm	12mm	12mm	12mm	TOP BAR
R27	2000	12mm	12mm	12mm	12mm	TOP BAR
R28	2000	12mm	12mm	12mm	12mm	TOP BAR
R29	2000	12mm	12mm	12mm	12mm	TOP BAR
R30	2000	12mm	12mm	12mm	12mm	TOP BAR
R31	2000	12mm	12mm	12mm	12mm	TOP BAR
R32	2000	12mm	12mm	12mm	12mm	TOP BAR
R33	2000	12mm	12mm	12mm	12mm	TOP BAR
R34	2000	12mm	12mm	12mm	12mm	TOP BAR
R35	2000	12mm	12mm	12mm	12mm	TOP BAR
R36	2000	12mm	12mm	12mm	12mm	TOP BAR
R37	2000	12mm	12mm	12mm	12mm	TOP BAR
R38	2000	12mm	12mm	12mm	12mm	TOP BAR
R39	2000	12mm	12mm	12mm	12mm	TOP BAR
R40	2000	12mm	12mm	12mm	12mm	TOP BAR
R41	2000	12mm	12mm	12mm	12mm	TOP BAR
R42	2000	12mm	12mm	12mm	12mm	TOP BAR
R43	2000	12mm	12mm	12mm	12mm	TOP BAR
R44	2000	12mm	12mm	12mm	12mm	TOP BAR
R45	2000	12mm	12mm	12mm	12mm	TOP BAR
R46	2000	12mm	12mm	12mm	12mm	TOP BAR
R47	2000	12mm	12mm	12mm	12mm	TOP BAR
R48	2000	12mm	12mm	12mm	12mm	TOP BAR
R49	2000	12mm	12mm	12mm	12mm	TOP BAR
R50	2000	12mm	12mm	12mm	12mm	TOP BAR
R51	2000	12mm	12mm	12mm	12mm	TOP BAR
R52	2000	12mm	12mm	12mm	12mm	TOP BAR
R53	2000	12mm	12mm	12mm	12mm	TOP BAR
R54	2000	12mm	12mm	12mm	12mm	TOP BAR
R55	2000	12mm	12mm	12mm	12mm	TOP BAR
R56	2000	12mm	12mm	12mm	12mm	TOP BAR
R57	2000	12mm	12mm	12mm	12mm	TOP BAR
R58	2000	12mm	12mm	12mm	12mm	TOP BAR
R59	2000	12mm	12mm	12mm	12mm	TOP BAR
R60	2000	12mm	12mm	12mm	12mm	TOP BAR
R61	2000	12mm	12mm	12mm	12mm	TOP BAR
R62	2000	12mm	12mm	12mm	12mm	TOP BAR
R63	2000	12mm	12mm	12mm	12mm	TOP BAR
R64	2000	12mm	12mm	12mm	12mm	TOP BAR
R65	2000	12mm	12mm	12mm	12mm	TOP BAR
R66	2000	12mm	12mm	12mm	12mm	TOP BAR
R67	2000	12mm	12mm	12mm	12mm	TOP BAR
R68	2000	12mm	12mm	12mm	12mm	TOP BAR
R69	2000	12mm	12mm	12mm	12mm	TOP BAR
R70	2000	12mm	12mm	12mm	12mm	TOP BAR
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R77	2000	12mm	12mm	12mm	12mm	TOP BAR
R78	2000	12mm	12mm	12mm	12mm	TOP BAR
R79	2000	12mm	12mm	12mm	12mm	TOP BAR
R80	2000	12mm	12mm	12mm	12mm	TOP BAR
R81	2000	12mm	12mm	12mm	12mm	TOP BAR
R82	2000	12mm	12mm	12mm	12mm	TOP BAR
R83	2000	12mm	12mm	12mm	12mm	TOP BAR
R84	2000	12mm	12mm	12mm	12mm	TOP BAR
R85	2000	12mm	12mm	12mm	12mm	TOP BAR
R86	2000	12mm	12mm	12mm	12mm	TOP BAR
R87	2000	12mm	12mm	12mm	12mm	TOP BAR
R88	2000	12mm	12mm	12mm	12mm	TOP BAR
R89	2000	12mm	12mm	12mm	12mm	TOP BAR
R90	2000	12mm	12mm	12mm	12mm	TOP BAR
R91	2000	12mm	12mm	12mm	12mm	TOP BAR
R92	2000	12mm	12mm	12mm	12mm	TOP BAR
R93	2000	12mm	12mm	12mm	12mm	TOP BAR
R94	2000	12mm	12mm	12mm	12mm	TOP BAR
R95	2000	12mm	12mm	12mm	12mm	TOP BAR
R96	2000	12mm	12mm	12mm	12mm	TOP BAR
R97	2000	12mm	12mm	12mm	12mm	TOP BAR
R98	2000	12mm	12mm	12mm	12mm	TOP BAR
R99	2000	12mm	12mm	12mm	12mm	TOP BAR
R100	2000	12mm	12mm	12mm	12mm	TOP BAR

SCHEDULE OF BEAM REINFORCEMENT

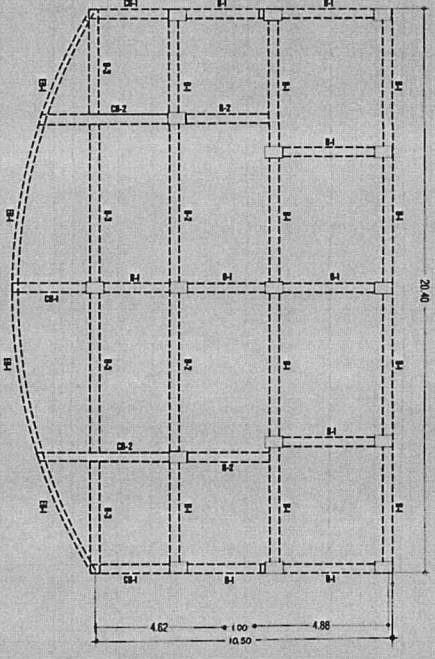
STAIR REINFORCEMENT DETAIL



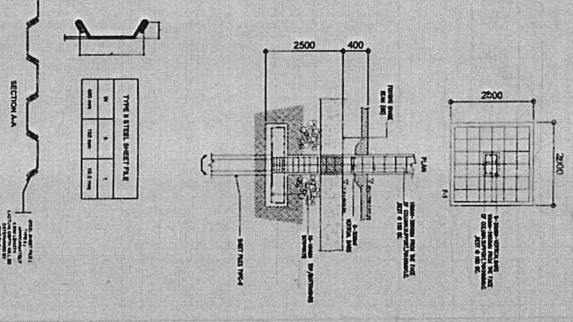
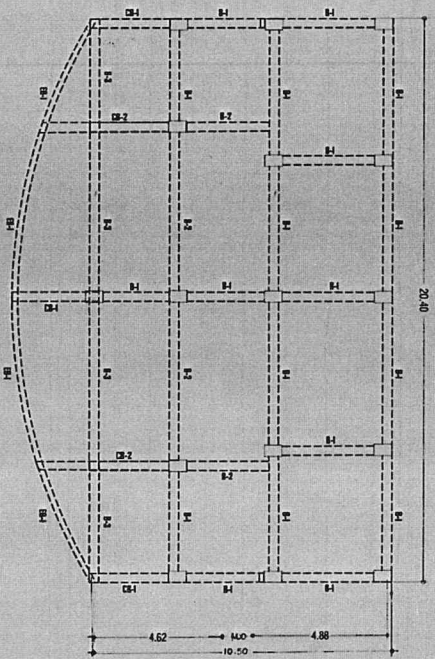
DETAIL OF STAIR FOOTING



SECOND FRAMING PLAN



ROOF DECK FRAMING PLAN



REPUBLIC OF THE PHILIPPINES
CITY OF MANILA
ENGINEERING DEPARTMENT
VERTICAL SECTION

PROJECT TITLE: **CONSTRUCTION OF FIRE BOAT STATION**
SCALE: 1:100 M.

STRUCTURAL SECTION: **ENGR. STEPHEN S. DOMINICO**
Checked: **ENGR. NIEL S. BACANG**

PREPARING AND CONSTRUCTION: **ENGR. SEAN LAWRENCE S. MALINAO**
Checked: **ENGR. SEAN LAWRENCE S. MALINAO**

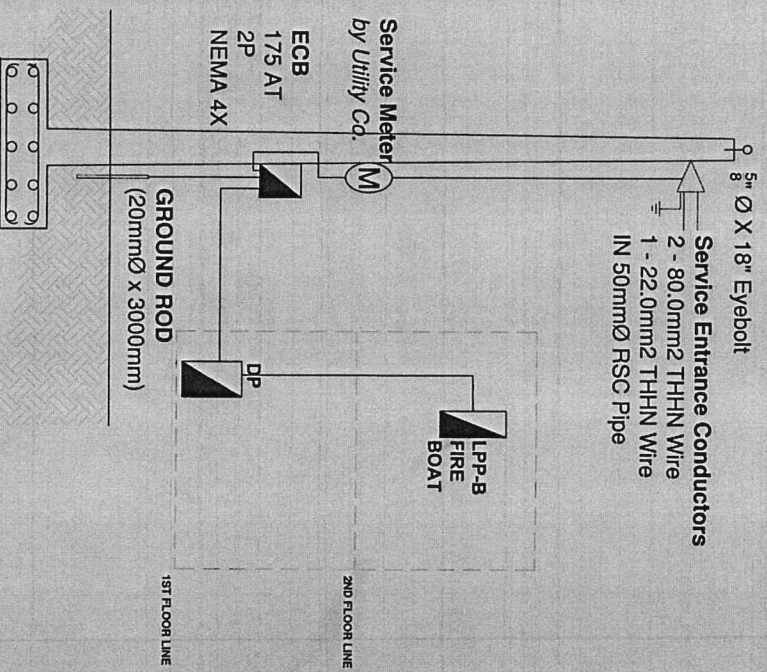
VERTICAL SECTION: **ENGR. ISABEL R. RANESSES**
Checked: **ENGR. DANIEL B. FRUDENCIO**

RECOMMENDING ARCHITECT: **ENGR. ARTAXERXES V. GERONIMO**
Checked: **ENGR. ARTAXERXES V. GERONIMO**

APPROVED BY: **VICTOR M. REGISIN, SOTTO**
City Engineer

SHEET NO.: **S2**
SECOND FLOOR
SLAB REINFORCEMENT
BEAM STRUCTION

Service Entrance Conductors
 2 - 80.0mm² THHN Wire
 1 - 22.0mm² THHN Wire
 IN 50mm \varnothing RSC Pipe



SERVICE ENTRANCE SPECIFICATIONS

N.T.S.



REPUBLIC OF THE PHILIPPINES
 CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ELECTRICAL:
ENGR. CARLA L. BELAN
 ELECTRICAL ENGINEER

ELECTRICAL:
ENGR. JOSE L. TIZON
 ELECTRICAL ENGINEER

RECOMMENDING APPROVAL:
ENGR. ARTAVAZDYES V. GERONIMO
 ELECTRICAL ENGINEER

APPROVED BY:
VICTOR M. REYES M. SOTTO
 CIVIL ENGINEER

BEST COPY:
E-2

IMPORTANT NOTES:

- NO ALTERATION IN PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND ENGINEER.
- IF ANY CASE OF CONSTRUCTION DEFICIENCY IS OBSERVED BY THE PROJECT ENGINEER, THE MATTER SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS REVIEW AND ADJUSTMENT SHALL BE MADE BY THE CONTRACTOR.
- IN CASE OF DISCREPANCY IN THE PROJECT DRAWINGS, THE MATTER SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS REVIEW AND ADJUSTMENT SHALL BE MADE BY THE CONTRACTOR.
- ANY VIOLATION OF THE REGULATIONS SHALL BE REPORTED TO THE DEPARTMENT OF THE CITY ENGINEER.
- PROJECT ENGINEER / INSPECTOR MUST REPORT TO THE DEPARTMENT OF HOME CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND THE PROJECT SHALL BE RESPONSIBLE FOR THE PROJECT.

CONTRACTOR'S ACCEPTED BY: _____
 C O N T R A C T O R

LOAD SCHEDULE : DP (@ Ground Floor)

CKT NO.	DESCRIPTION		VA	VOLT	AMPS	CB RATING			TRADE SIZE	CONDUIT
	LO	CO				AT	AF	POLE		
1	12	+6 EMERGENCY LIGHTS	1,780	230	7.74	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
2	10	+2 EMERGENCY LIGHTS	600	230	2.61	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
3	13	+7 EMERGENCY LIGHTS, 1 EXHAUST FAN	2,240	230	9.74	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
4	12		600	230	2.61	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
5	9		1,620	230	7.04	30	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
6	8		1,440	230	6.26	30	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
7		+2HP AIRCON	2,760	230	12.00	30	50	2	2 - 55mm ² THHN + 1 - 35mm ² THHN	25mm \varnothing PVC
8		+2HP AIRCON	3,335	230	14.50	30	50	2	2 - 55mm ² THHN + 1 - 35mm ² THHN	25mm \varnothing PVC
9		+2HP AIRCON	3,335	230	14.50	30	50	2	2 - 55mm ² THHN + 1 - 35mm ² THHN	25mm \varnothing PVC
10		LPP-B	15,095	230	65.63	100	100	2	2 - 300mm ² THHN + 1 - 80mm ² THHN	30mm \varnothing PVC
11		SPARE				30	50	2		
11		SPARE				30	50	2		
		TOTAL	17,710	230	142.83					

MAIN CB:
 175AT / 250AF / 230V / 2P / MCCB

COMPUTATION OF LOAD:
 $I_L = 146.26 \text{ AMPS}$

MAIN FEEDER WIRE:
 USE: 2 - 80.0mm² THHN
 1 - 22.0mm² THHN
 IN 50mm \varnothing RSC

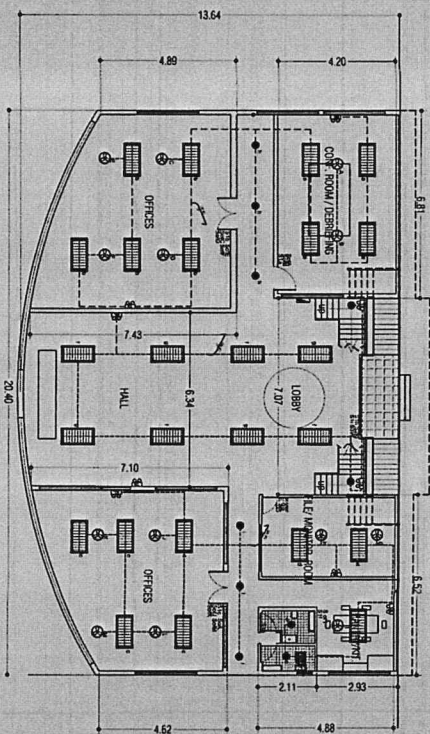
LOAD SCHEDULE : LPP-B (@ 2nd Floor typical)

CCT NO.	DESCRIPTION		VA	VOLT	AMPS	CB RATING			TRADE SIZE	CONDUIT
	LO	CO				AT	AF	POLE		
1	12	+6 EMERGENCY LIGHTS, 2 EMERGENCY LIGHTS	1,780	230	7.74	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
2	10	+2 EMERGENCY LIGHTS	600	230	2.61	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
3	13	+7 EMERGENCY LIGHTS, 3 EXHAUST FAN	2,240	230	9.74	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
4	11	+2 EMERGENCY LIGHTS, 1 EXHAUST FAN	960	230	4.17	20	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
5	8		1,440	230	6.26	30	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
6	7		1,260	230	5.48	30	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
7	4		720	230	3.13	30	50	2	2 - 35mm ² THHN + 1 - 20mm ² THHN	20mm \varnothing PVC
8		+2HP AIRCON	2,760	230	12.00	30	50	2	2 - 55mm ² THHN + 1 - 35mm ² THHN	25mm \varnothing PVC
9		+2HP AIRCON	3,335	230	14.50	30	50	2	2 - 55mm ² THHN + 1 - 35mm ² THHN	25mm \varnothing PVC
10		SPARE				30	50	2		
		TOTAL	16,096	230	68.83					

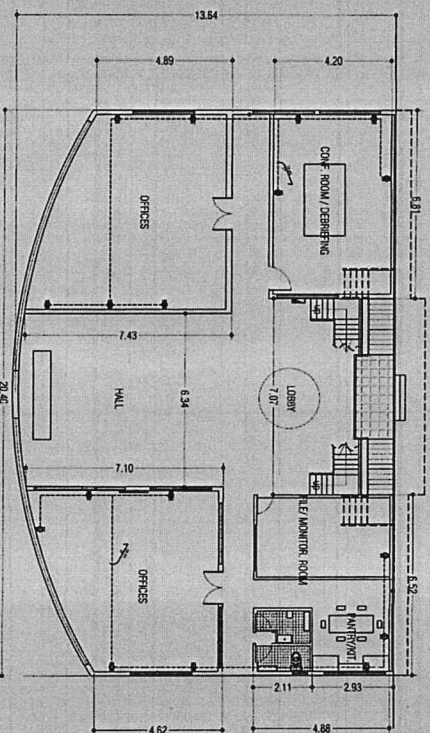
MAIN CB:
 100AT / 100AF / 230V / 2P / MCCB

COMPUTATION OF LOAD:
 $I_L = 69.26 \text{ AMPS}$

MAIN FEEDER WIRE:
 USE: 2 - 30.0mm² THHN
 1 - 8.0mm² THHN
 IN 32mm \varnothing PVC



GROUND FLOOR LIGHTING ELECTRICAL LAYOUT
SCALE: 1:100 METERS



GROUND FLOOR OUTLET ELECTRICAL LAYOUT
SCALE: 1:100 METERS



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
ARCHITECTURAL OFFICE

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

ELECTRICAL:
ENGR. CARLA L. BELLIN
ENGR. ERLANDO B. BARRUDA, JR.

ELECTRICAL:
ENGR. ADRIAN L. TIZON
ENGR. JOSEPH B. PRUDENCIO

REVIEWED BY:
ENGR. JOSEPH B. PRUDENCIO
ENGR. ARYABEKER V. GENONIMO

RECOMMENDING APPROVAL:
ENGR. ARYABEKER V. GENONIMO

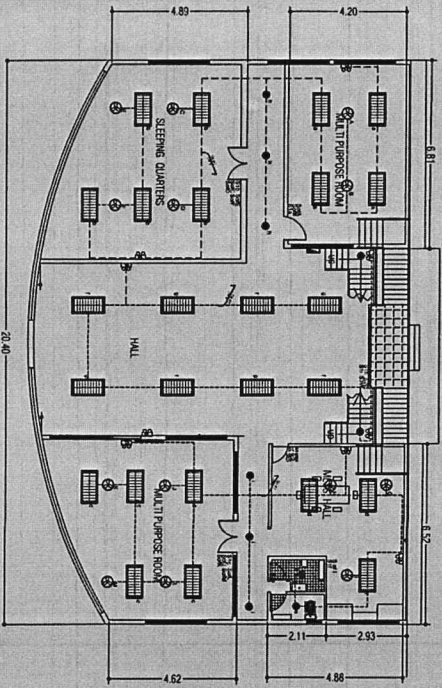
APPROVED BY:
VICTOR M. FERRER, JR.
CITY MAYOR

SHEET CONTAINS: **GROUND FLOOR ELECTRICAL LIGHTING/OUTLET**
SHEET NO.: **E-3**

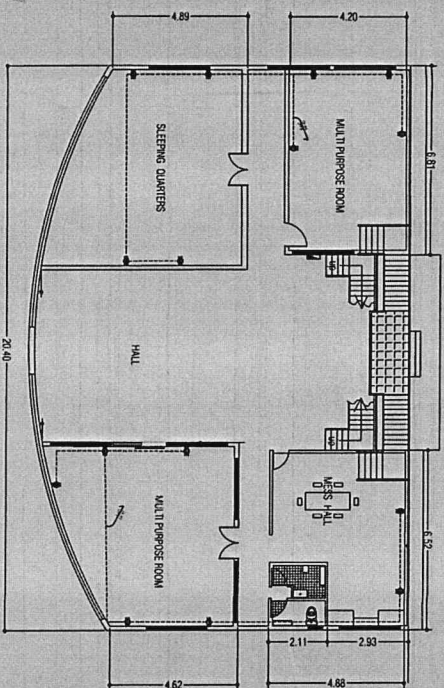
IMPORTANT NOTES:

- NO ALTERATION IN PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND ENGINEER.
- IF IN ANY CASE THE CONSTRUCTION CONTRACTOR TO THE STRUCTURAL DESIGNER FROM THE PLANNING, THE FINAL DESIGN SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND ENGINEER.
- SCALE OF DIMENSIONS IN THE DRAWING ON THE CONTRACT SHALL BE MADE BY THE CONTRACTOR.
- ANY VIOLATION OF THE INSTRUCTIONS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
- PROJECT RE-CHARGED INSPECTION MUST BE OBTAINED FROM THE ENGINEER AND CONSTRUCTION DIVISION OF THE CITY ENGINEER'S OFFICE.
- CONTRACTOR SHALL SECURE LICENSED AND REGISTERED ELECTRICAL ENGINEER FOR THE PROJECT.

CONTRACTOR ACCEPTED BY: _____



E
 SECOND FLOOR
 LIGHTING ELECTRICAL LAYOUT
 SCALE 1:100 MTS



E
 SECOND FLOOR
 OUTLET ELECTRICAL LAYOUT
 SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES
 CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

IMPORTANT NOTES

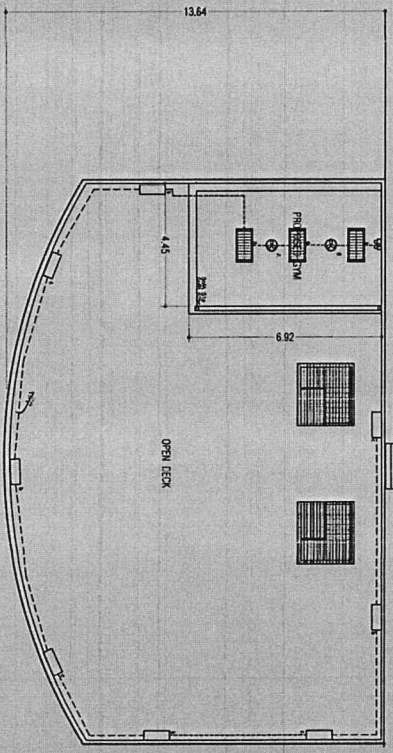
1. NO ALTERATION IN PLAN AND MATERIALS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
2. IN ALL CASES THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF THE EXISTING UTILITIES AND STRUCTURES AND SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF THE EXISTING UTILITIES AND STRUCTURES.
3. IN ALL CASES THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF THE EXISTING UTILITIES AND STRUCTURES AND SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF THE EXISTING UTILITIES AND STRUCTURES.

4. ANY VIOLATION OF THIS INSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. PROJECT IN-CHARGE / INSPECTOR MUST SUPERVISE THE PROJECT AT ALL TIMES AND REPORT TO THE ARCHITECT AND ENGINEER.
6. CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND DOCUMENTS.

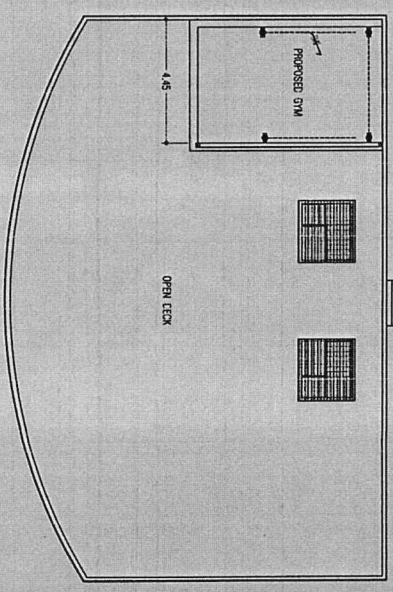
7. CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND DOCUMENTS.
8. CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND DOCUMENTS.
9. CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND DOCUMENTS.

CONFIRMED & ACCEPTED BY:
 CONTRACTOR

PROJECT TITLE: CONSTRUCTION OF FIRE BOAT STATION	ELECTRICAL: ENGR. CARLA L. BELIN	ELECTRICAL: ENGR. JONAS L. TIZON	REVIEWED BY: ENGR. JENNIFER B. PRUDENCIO	RECOMMENDING APPROVAL: ENGR. ANTONIO V. GERONIMO	APPROVED BY: VICTOR M. NEGRET-SOTTO CITY MAYOR	SHEET CONTENT: SECOND FLOOR ELECTRICAL LIGHTING OUTLET	SHEET NO.: E-4
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ROOF DECK LIGHTING ELECTRICAL LAYOUT
SCALE 1:100 METERS



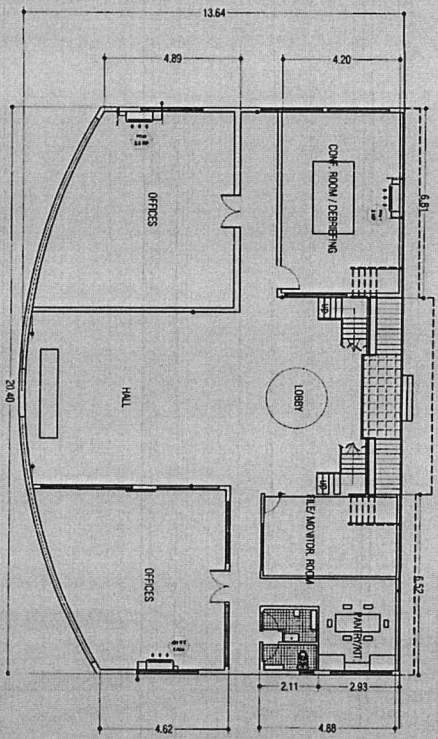
ROOF DECK OUTLET ELECTRICAL LAYOUT
SCALE 1:100 METERS

<p>REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT ARCHITECTURAL OFFICE</p>	<p>PROJECT TITLE: CONSTRUCTION OF FIRE BOAT STATION</p>	<p>ELECTRICIAN: ENGR. CARLA L. BELIN</p>	<p>ELECTRICIAN: ENGR. JORGE L. TIZON</p>	<p>REVIEWED BY: ENGR. JAYSON E. PRODRONCO</p>	<p>RECOMMENDING APPROVAL: ENGR. ANTONIO V. GERONIMO</p>	<p>APPROVED BY: VICTOR M. MERRILL SOTTO CITY MAYOR</p>	<p>SHEET CONTENT: ROOF DECK LIGHTING L/O ELECTRICAL CIRCUIT O/L</p>	<p>SHEET NO.: E-5</p>
	<p>LOCATION: HIGWAY 102, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000</p>	<p>REVISIONS:</p>	<p>DATE:</p>	<p>PROJECT NO.:</p>	<p>DATE:</p>	<p>PROJECT NO.:</p>	<p>DATE:</p>	<p>PROJECT NO.:</p>

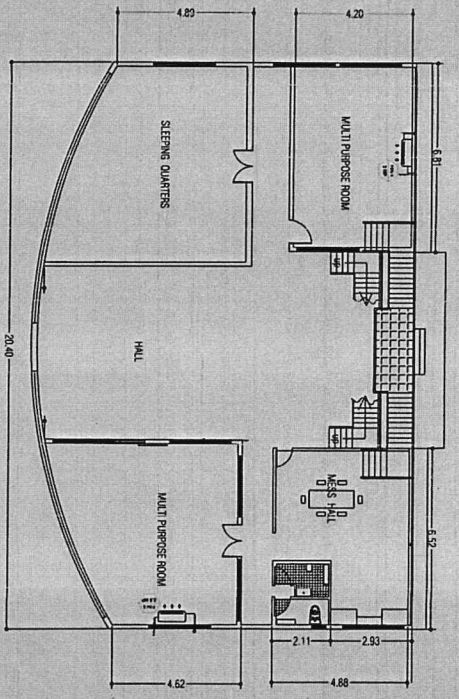
IMPORTANT NOTES:

- NO ALTERATION IN PLAN AND SECTION SHALL BE MADE WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT AND ENGINEER.
- IF IN ANY CASE THE CONSTRUCTION DEPARTMENT SHALL BE REQUIRED TO REVISIONS TO THE ARCHITECTURAL DESIGN OF THE STRUCTURAL ENGINEER MUST BE IMPLEMENTED.
- NOTICE OF DISCONTINUANCE IN THE FORM OF A LETTER SHALL BE SUBMITTED IMMEDIATELY TO THE ARCHITECT BEFORE ANY CONSTRUCTION SHALL BE MADE BY THE CONTRACTOR.
- ANY VIOLATION OF THIS INSTRUCTION SHALL BE CONSIDERED AS A BREACH OF CONTRACT.
- PROJECT IN CHARGE INSPECTION MUST BE CONDUCTED AT ALL TIMES AND COMPLYING ACTIVITIES.
- CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND DOCUMENTS FOR THE PROJECT.

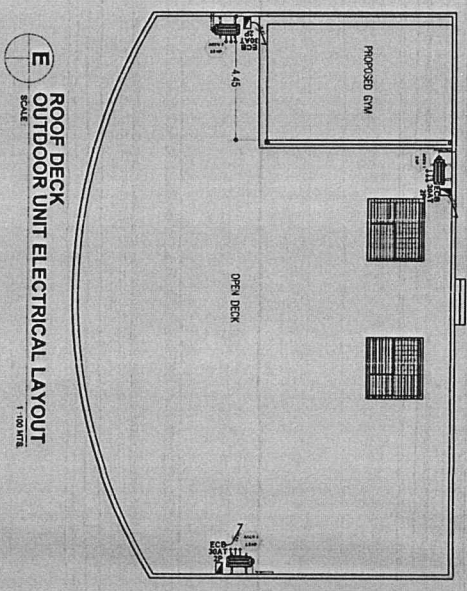
COMPOSED & ACCEPTED BY: _____
CONTRACTOR



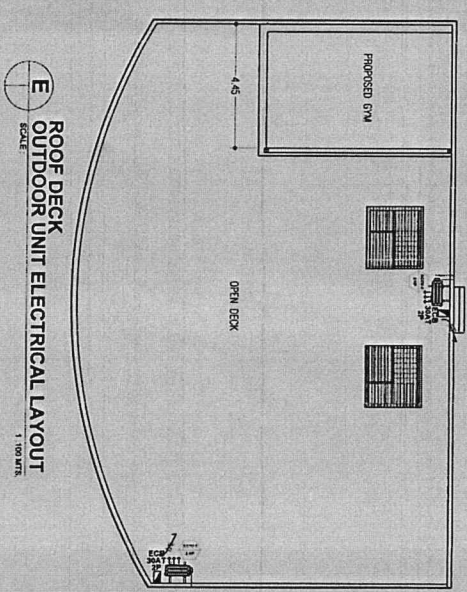
E
GROUND FLOOR
AIR CONDITIONING UNIT ELECTRICAL LAYOUT
SCALE: 1:100 NTS



E
SECOND FLOOR
AIR CONDITIONING UNIT ELECTRICAL LAYOUT
SCALE: 1:100 NTS



E
ROOF DECK
OUTDOOR UNIT ELECTRICAL LAYOUT
SCALE: 1:100 NTS



E
ROOF DECK
OUTDOOR UNIT ELECTRICAL LAYOUT
SCALE: 1:100 NTS



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
ARCHITECTURAL OFFICE

PROJECT TITLE
CONSTRUCTION OF FIRE BOAT STATION

ELECTRICIAN
ENGR. CARLA L. BELLA
ENGR. EDUARDO E. BARRERA, JR.

ELECTRICIAN
ENGR. JOSE L. TIZON

REVIEWED BY:
ENGR. ANTONIO E. PRUDENCIO
ENGR. ARMANDO V. GERONIMO

RECOMMENDING APPROVAL:
ENGR. ARMANDO V. GERONIMO

APPROVED BY:
VICTOR M. REYES, JR.
CITY MAYOR

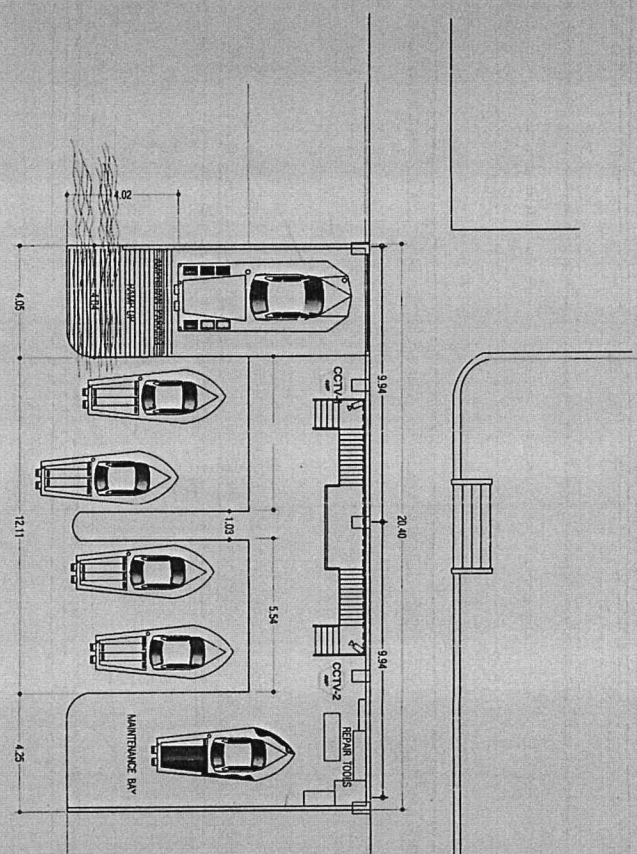
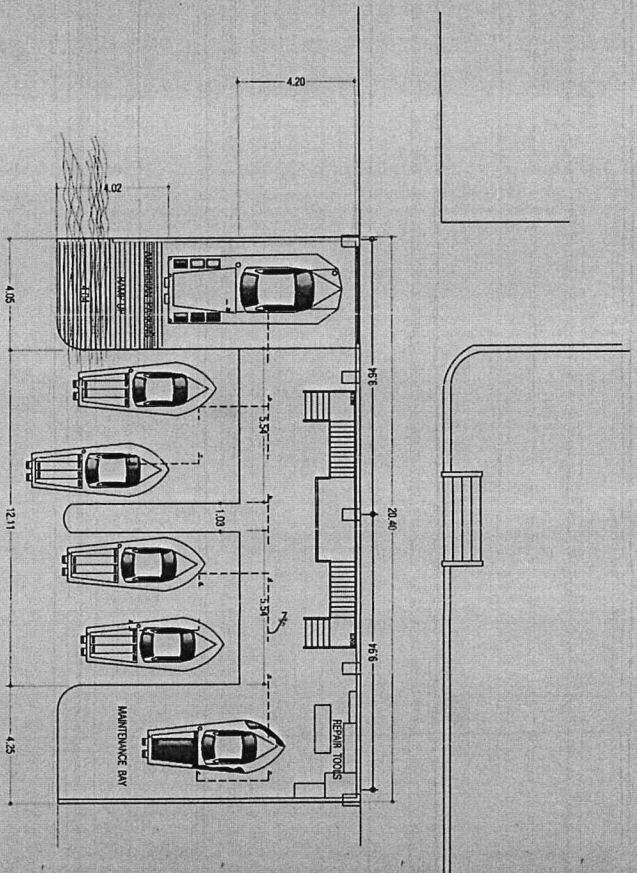
SHEET CONTENT:
AIR CON. ELECT.
GROUND FLOOR
SECOND FLOOR
ELECTRICAL C/O
ROOFDECK

SHEET NO.:
E-6

IMPORTANT NOTES:


- NO ALTERATION IN PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
- IN ALL CASES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION AND INSTALLATION OF ALL MATERIALS AND LABOR REQUIRED FOR THE COMPLETION OF THE PROJECT.
- IN CASE OF DISCREPANCY IN THE FIELD OR IN THE SHOP, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT BY LETTER AND THE CONTRACT SHALL BE MADE BY THE ARCHITECT.
- ANY VIOLATION OF THE INSTRUCTIONS SHALL BE IMMEDIATELY CORRECTED AT THE CONTRACTOR'S EXPENSE.
- PROJECT INCLUDING INSPECTOR MUST OVERSEE THE PROJECT IN ALL TIMES AND CIRCUMSTANCES.
- CONTRACTOR SHALL PROVIDE ACCESS TO ALL PARTS OF THE PROJECT.

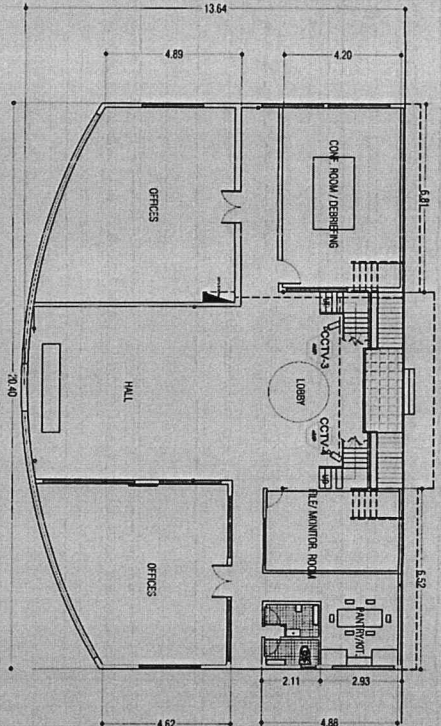
CONFORME & ACEPTO BY:
CORRECCION



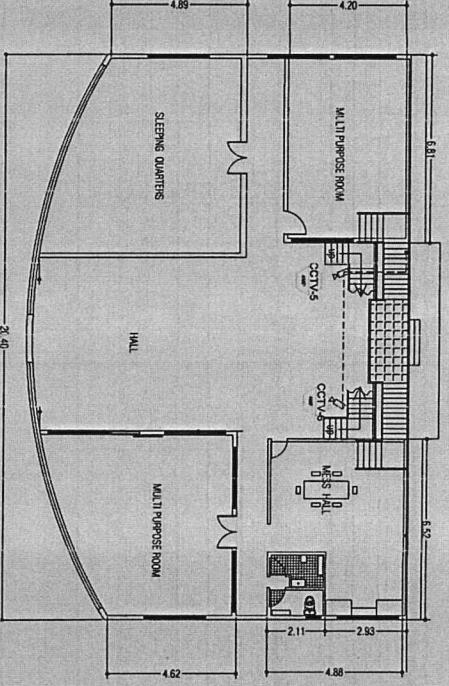
BAY LEVEL PLAN
E
 LIGHTING ELECTRICAL LAYOUT
 SCALE
 1:100 MTS

BAY LEVEL AREA
E
 CCTV SYSTEM LAYOUT
 SCALE
 1:100 MTS

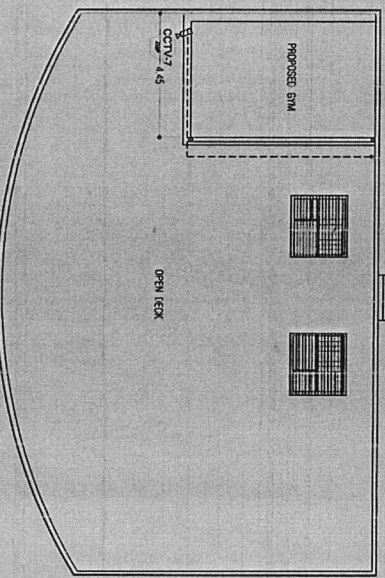
 <p align="center"> REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT ARCHITECTURAL OFFICE </p>		PROJECT TITLE: CONSTRUCTION OF FIRE BOAT STATION		ELECTRICAL: ENGR. CALA L. BELIN <small>ENGR. CALA L. BELIN ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 12345</small>		ELECTRICAL: ENGR. JOSE L. TOON <small>ENGR. JOSE L. TOON ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 67890</small>		REVIEWED BY: ENGR. JUAN C. PULIDO <small>ENGR. JUAN C. PULIDO ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 11111</small>		RECOMMENDING APPROVAL: ENGR. ARTAVERDE V. GERONIMO <small>ENGR. ARTAVERDE V. GERONIMO ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 22222</small>		APPROVED BY: VICTOR M. RESOR N. SOTTO <small>VICTOR M. RESOR N. SOTTO CITY MAYOR</small>		SHEET CONTENT: LIGHTING L/O BAY LEVEL CCTV L/O		SHEET NO.: E-7	
IMPORTANT NOTES: 1. NO ALTERATION IN THE WORK SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER. 2. IF IN ANY CASE THE CONSTRUCTION WORK IS NOT COMPLETED WITHIN THE PERIOD OF TIME SPECIFIED IN THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXTENSION OF THE CONTRACT. 3. DRAWING OF DISCREPANCY IN THE FIELD OR ANY OTHER MATTER SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER IMMEDIATELY UPON DISCOVERY BY THE CONTRACTOR. 4. ALL WORK OF THE CONTRACTOR SHALL BE SUBJECT TO THE SUPERVISION OF THE ARCHITECT AND ENGINEER. 5. PROJECT MANAGER, ARCHITECT AND ENGINEER SHALL BE RESPONSIBLE FOR THE PROGRESS OF THE PROJECT IN ALL TIMES AND CIRCUMSTANCES. 6. CONTRACTOR SHALL PROVIDE ACCEPTED AND REGISTERED ENGINEERS WHO WILL BE RESPONSIBLE FOR THE PROJECT.		LOCATION: REPUBLIC STREET, DIVISION OFFICE, PASIG		ENGR. EDUARDO BARRIOJA JR. <small>ENGR. EDUARDO BARRIOJA JR. ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 33333</small>		ENGR. JUAN C. PULIDO <small>ENGR. JUAN C. PULIDO ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 44444</small>		ENGR. ARTAVERDE V. GERONIMO <small>ENGR. ARTAVERDE V. GERONIMO ELECTRICAL ENGINEER REGISTERED PROFESSIONAL ENGINEER REG. NO. 55555</small>		CONFORMED & ACCEPTED BY: CONTRACTOR							




E
GROUND LEVEL
CCTV SYSTEM LAYOUT
SCALE 1:100 METERS



E
SECOND LEVEL
CCTV SYSTEM LAYOUT
SCALE 1:100 METERS



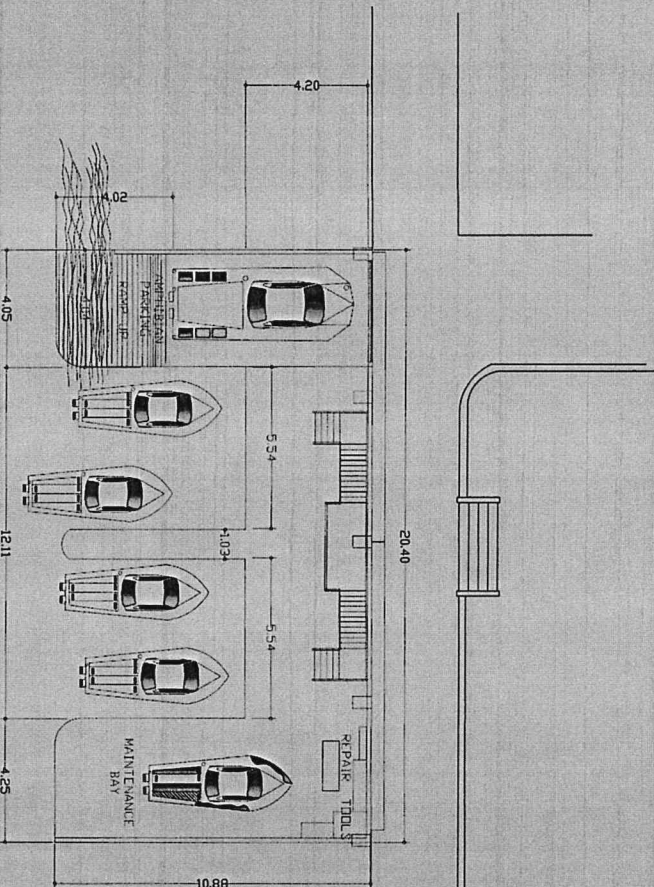
E
ROOF DECK LEVEL
CCTV SYSTEM LAYOUT
SCALE 1:100 METERS

 REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT ARCHITECTURAL OFFICE		PROJECT TITLE: CONSTRUCTION OF FIRE BOAT STATION (LOCATION: N. SERRANO ROAD, PASIG CITY; 2ND DIVISION, PASIG CITY)		ELECTRICAL: ENGR. CARUL L. BELLIN ENGR. EDUARDO E. BARRONIA, JR.		ELECTRICAL: ENGR. JORGE L. TIZON		REVIEWED BY: ENGR. L. VANCE B. ENRIQUICO		RECOMMENDING APPROVAL: ENGR. ARTABEYER V. GERONIMO		APPROVED BY: VICTOR M. NEGRAS M. SOTTO CITY MAYOR		SHEET CONTENT: CCTV LAYOUT GROUND / SECOND ROOF DECK		SHEET NO.: E-8	
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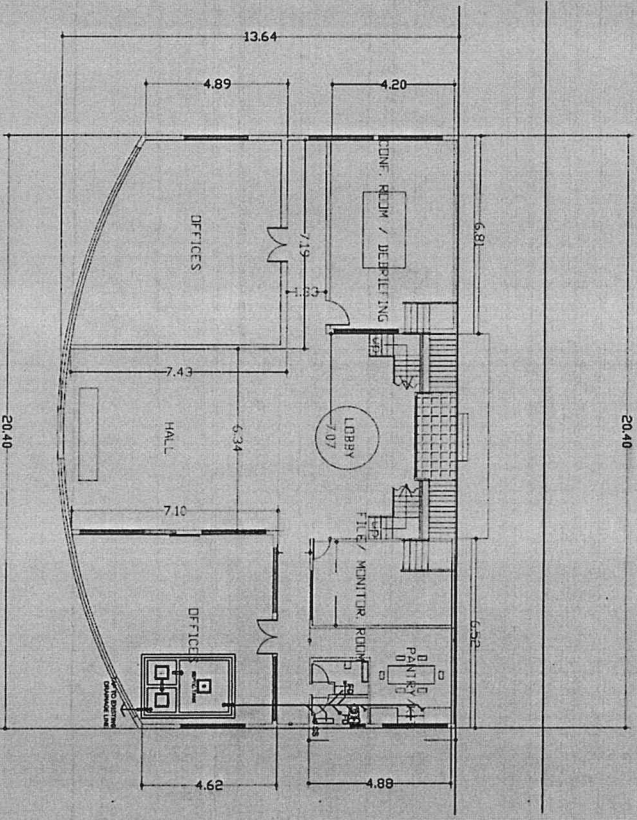
IMPORTANT NOTES:

- NO ALTERATION IN PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
- IF ANY CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND STRUCTURES.
- IN CASE OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE DRAWINGS SHALL PREVAIL UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- ANY VIOLATION OF THE SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROJECT REQUIRED / INSPECTION SHALL BE COMPLETED AT ALL TIMES AND CONFORMING ACTIVITY.
- CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION FOR THE PROJECT.


CONFORME & ACCEPTED BY:
 CONTRACTOR



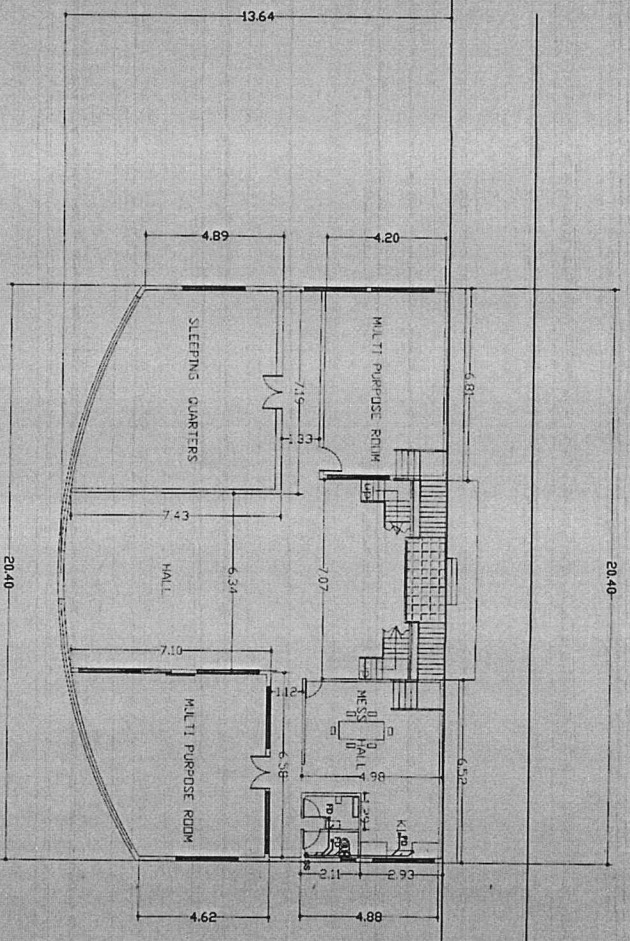

SANITARY LAYOUT
BAY LEVEL PLAN
 SCALE 1:100 MM



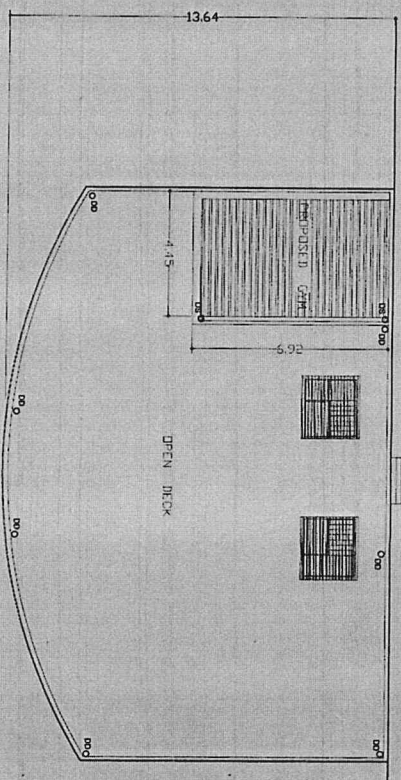

SANITARY LAYOUT
GROUND LEVEL PLAN
 SCALE 1:100 MM

 REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT	PROJECT TITLE:	PLUMBING:	PROGRAMMING & CONSTRUCTION:	CHECKED & REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:
	CONSTRUCTION OF FIRE BOAT STATION	VINCENY V. VILLAMOR RMP PROJECT INSPECTOR ALLAN A. MARTIN RMP BUSINESSMAN ASSISTANT	ENGR. LUCAS V. RANESSES CHIEF ELECTRICAL PROJECTS ENGR. SEAN LAWRENCE S. MALINAO PROJECT IN CHARGE	ENGR. FRANCIS B. FRUDESCIO CHIEF ELECTRICAL PROJECTS & ELECTRICAL INSPECTION	ENGR. ARTABERYES V. GERONIMO OIC, ENGINEERING DEPARTMENT	VICTOR MA. REGIS N. SOTTO CITY MAYOR	SANITARY L/O GROUND LEVEL BAY LEV. EL
LOCATION: N. ESPRITU ST, BEBE RIZA HIGH SCHOOL, BRGY. CANNONBALL PASIG CITY							CADD: AAMARTIN
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND OFFICIALS. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND OFFICIALS. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND OFFICIALS. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND OFFICIALS.							CONTRACTOR




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 SANITARY LAYOUT
 SECOND LEVEL PLAN
 SCALE 1:100 MM

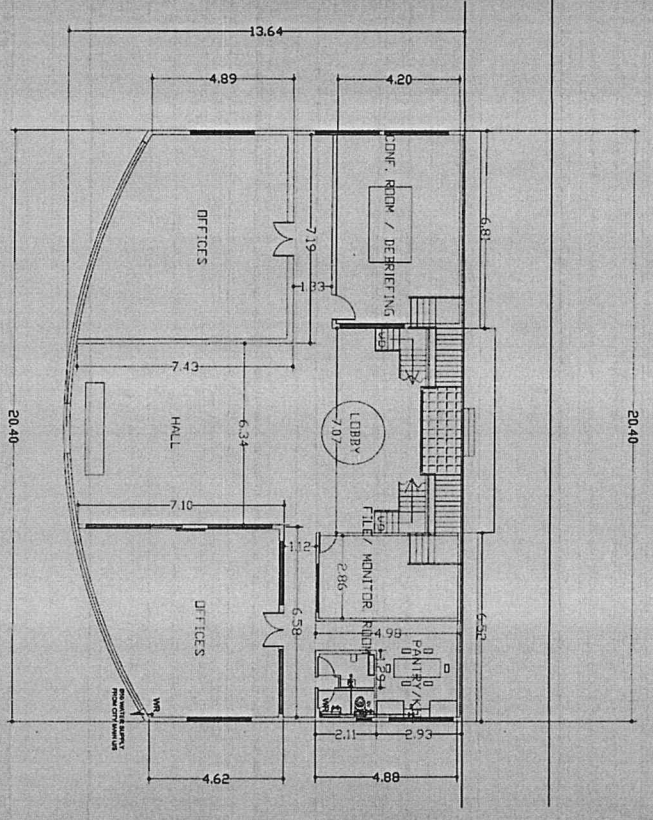
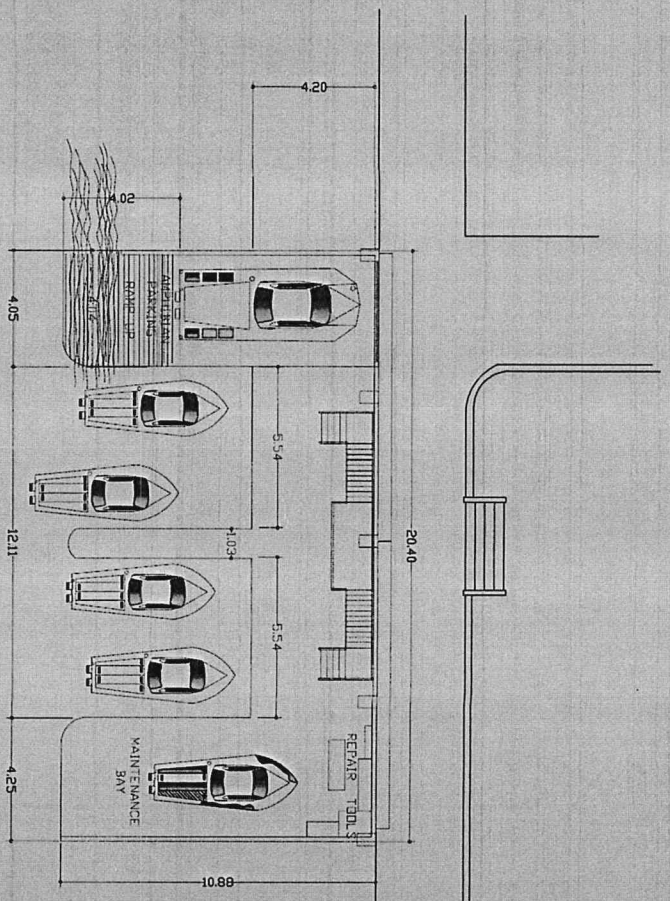



 SANITARY LAYOUT
 ROOF DECK PLAN
 SCALE 1:100 MM

	REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT	PROJECT TITLE: CONSTRUCTION OF FIRE BOAT STATION	PLUMBING: VINCENT V. VILLANOR RMP ALLAN A. MARTIN RMP	PROGRAMMING & CONSTRUCTION: ENGR. ISABEL N. RAMSESSES ENGR. SEAN L. VANCE S. MALINAO	CHECKED & REVIEWED BY: ENGR. ERIC B. FRUENDENCO	RECOMMENDING APPROVAL: ENGR. ARTAVERKES V. GERONIMO	APPROVED BY: VICTOR MA. REGISN. SOTTO	SHEET CONTENTS: SANITARY L/O SECOND LEVEL ROOF DECK CADD: AA/MARTIN	SHEET NO.: 
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IMPORTANT NOTES:
 1. NO ALTERATIONS OR ADDITIONS TO THE DRAWING SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT OR ENGINEER.
 2. IN ANY CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL OFFICE OF THE ARCHITECT OR ENGINEER.
 3. IN CASE OF DISCREPANCY IN THE DRAWING, THE MATTER SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
 4. CONSTRUCTION OF THIS STRUCTURE SHALL BE COMPLETED AT THE EXPENSE OF THE CONTRACTOR.
 5. THIS DRAWING IS THE PROPERTY OF THE ARCHITECT & ENGINEER WHO HAS THE RIGHT TO REPRODUCE IT IN WHOLE OR IN PART FOR ANY PURPOSE.

CONTRACTOR



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

PROJECT TITLE:
CONSTRUCTION OF FIRE BOAT STATION

PLUMBING:
VINCENTY VILLAMOR RAMP
PROJECT INSPECTOR
ALAN A. MARTIN RMP

PROGRAMMING & CONSTRUCTION:
ENGR. ISKANDER FANANES
CHIEF PROJECT INSPECTOR
ENGR. SEAN LAWRENCE S. MALINAO
PROJECT IN CHARGE

CHECKED & REVIEWED BY:
ENGR. DANIEL E. BRUDENCIO
HEAD OF CONSTRUCTION DIVISION &
CHIEF ENGINEER

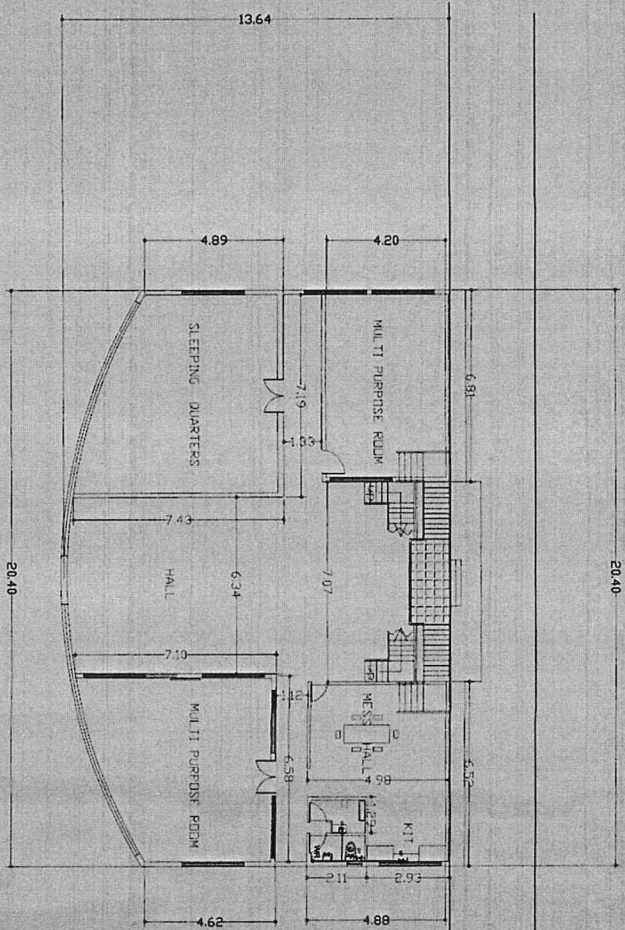
RECOMMENDING APPROVAL:
ENGR. ARTAYANES V. GERONIMO
O.I.C. ENGINEERING DEPARTMENT

APPROVED BY:
VICTOR MA. REGIS N. SOTTO
CITY MAYOR

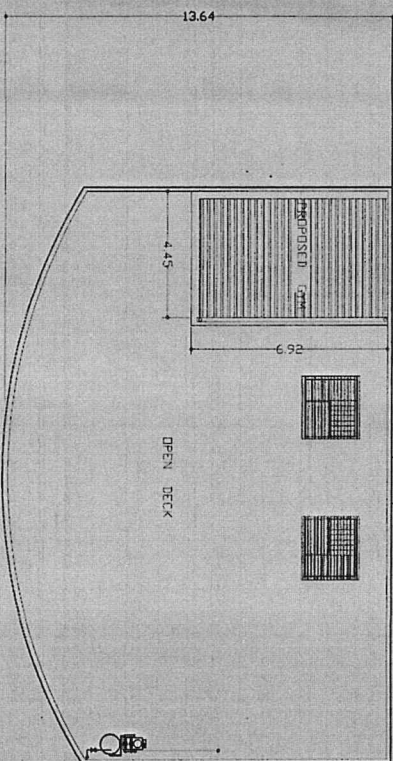
SHEET CONTENTS:
SANITARY L/O
BAY LEVEL
WATER LINE
GROUND LVL.
CADD: ANA MARTIN

SHEET NO.:
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03

IMPORTANT NOTES:
1. NO ALTERATION IN DIMENSIONS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER IN CHARGE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
3. TO THE EXTENT OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
CONFORME & ACCEPTED BY:
CONTRACTOR



WATER LINE LAYOUT
SECOND LEVEL PLAN
SCALE 1:100 MM



WATER LINE LAYOUT
ROOF DECK PLAN
SCALE 1:100 MM

	PROJECT TITLE:	PLUMBING:	PROGRAMMING & CONSTRUCTION:	CHECKED & REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.:
	CONSTRUCTION OF FIRE BOAT STATION	VINCENTY VILLANOR RMP PROJECT DIRECTOR	ENGR. SEREN RABESES Chief Engineer	ENGR. JUAN PRUDENCIO Chief Engineer	ENGR. ARTAYRBER V. GERONIMO O.C. ENGINEERING DEPARTMENT	VICTOR MA. BEGIS N. SOTTO CITY MAYOR	WATER L/O SECOND ROOF DECK L/O	P 04
LOCATION: BRGY. CAMANDAYAN PASIG CITY	ALLAN AJMARTIN RMP ENGINEERING ASSISTANT	ENGR. SEAN LAWRENCE S. MALINAO PROJECT IN CHARGE	ENGR. JUAN PRUDENCIO O.C. ENGINEERING DEPARTMENT	APPROVED BY:	APPROVED BY:	CONFORMER & ACCEPTED BY:	CONTRACTOR	

REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

1. NO ALTERATION IN THE LINE OF THE STRUCTURE SHALL BE MADE
2. THE PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL STANDARD FOR PLUMBING
3. THE PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL STANDARD FOR PLUMBING
4. APPROVAL OF THE INSTRUCTIONS SHALL BE CONNECTED AT THE EXPENSE OF THE CONTRACTOR
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT

Section VIII. Bill of Quantities

BID FORM

Date : _____

Project Identification No. : _____

To: **THE CHAIRMAN
BIDS AND AWARDS COMMITTEE
PASIG CITY**

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin 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: **CONSTRUCTION OF FIRE BOAT STATION AT N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY;**

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: _____
_____ (P _____)

d. The discounts offered and the methodology for their application are:
_____;

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 _____
_____ (P _____) percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹² 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.

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 **CONSTRUCTION OF FIRE BOAT STATION AT N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY** of the **Bids and Awards Committee (B.A.C.) Pasig City**

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: _____

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **CONSTRUCTION OF FIRE BOAT STATION**

LOCATION : **N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
1.0	Mobilization / Demobilization _____ (Pesos _____)	1.00	lot		
2.0	Preliminaries _____ (Pesos _____)		l.s		
3.0	Earthworks _____ (Pesos _____)		l.s		
4.0	Structural Works _____ (Pesos _____)		l.s		
5.0	Masonry / Architectural Works _____ (Pesos _____)		l.s		
6.0	Panel Board and Breakers _____ (Pesos _____)		l.s		
7.0	Fixtures, Outlets and Devices _____ (Pesos _____)		l.s		
	Total Amount in Words: _____ _____				
	GRAND TOTAL				

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **CONSTRUCTION OF FIRE BOAT STATION**

LOCATION : **N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
8.0	Wires, Conduits and Other Accessories _____ (Pesos _____ _____)		l.s		
9.0	Mechanical Works _____ (Pesos _____ _____)		l.s		
10.0	Closed Circuit Television (CCTV) System _____ (Pesos _____ _____)		l.s		
11.0	Electrical Post / Service Entrance icnl. Painitng _____ (Pesos _____ _____)		l.s		
12.0	Plumbing _____ (Pesos _____ _____)		l.s		
13.0	PPR Pipe and Fitting _____ (Pesos _____ _____)		l.s		
14.0	Plumbing Feature _____ (Pesos _____ _____)		l.s		
	Total Amount in Words: _____ _____				
	GRAND TOTAL				

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **CONSTRUCTION OF FIRE BOAT STATION**

LOCATION : **N. ESPIRITU ST. BESIDE RIZAL HIGH SCHOOL, BRGY. CANIOGAN, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
15.0	Plumbing Fixtures _____ (Pesos _____ _____)		l.s		
	_____ (Pesos _____ _____)				
	_____ (Pesos _____ _____)				
	_____ (Pesos _____ _____)				
	_____ (Pesos _____ _____)				
	_____ (Pesos _____ _____)				
	_____ (Pesos _____ _____)				
	_____ (Pesos _____ _____)				
	Total Amount in Words: _____ _____				
GRAND TOTAL					

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

Section IX. Checklist of Technical and Financial Documents

Republic of the Philippines
BIDS AND AWARDS COMMITTEE
City Government of Pasig

Name of Bidder : _____
Name of Contract : _____
Approved Budget Contract : _____
Bidding Date : _____

(Note: Checklist is to be filled up by the BAC only)

I. TECHNICAL COMPONENT ENVELOPE FOR THE PROCUREMENT OF INFRASTRUCTURE PROJECTS

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Certificate of Platinum Registration and Membership with additional caveat in accordance with Section 8.5.2 of the 2016 Revised IRR of RA 9184 amended through GPPB Resolution No. 15-2021, provided that all of Class "A" eligibility documents submitted to PhilGEPS are maintained and updated;

Technical Documents

- (b) 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; and
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (Contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.); and
- (d) Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; and
- (e) 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
- (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid; and
- 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; and
- c. Duly signed Manpower Schedule; and
- d. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; and
- e. Equipment utilization schedule; and
- f. Duly signed Construction Schedule (PERT/CPM) and S-curve; and
- g. Duly signed Construction Method in narrative form; and
- h. Construction Safety and Health Program; and
- (g) 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.

Financial Documents

- (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- (i) 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.

NOTE: Any missing document/s on the above mentioned checklist is a ground for outright disqualification/ rejection of the bid.

REMARKS:

PASSED

FAILED

ACKNOWLEDGMENT: (Please see above "note" Do not fill up/sign if documents are marked passed)

This is to acknowledge receipt of the first and second envelopes which is being returned because of disqualification due to deficiencies and non-compliance with checklist therein.

Signature over printed name/Representative of Bidder

Date Received

CHECKED AND VERIFIED BY:

SIGNATURE:

ATTY. JOSEPHINE C. LATI-BAGAOISAN
Chairperson

ATTY. DIEGO LUIS S. SANTIAGO
Vice Chairperson

DR. EMMA MEJIA-SANCHEZ
Member

DR. JEANNA V. PLES
Member

ENGR. JOHNNY L. CALATA
Member

MS. RUTH F. ROMANO
Member

DR. STUART G. SANTOS
Member

Attested by:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office

Republic of the Philippines
BIDS AND AWARDS COMMITTEE
City Government of Pasig

Name of Bidder : _____
Name of Contract : _____
Approved Budget Contract: _____
Bidding Date : _____

(Note: Checklist is to be filled up by the BAC only)

II. FINANCIAL COMPONENT ENVELOPE FOR THE PROCUREMENT OF INFRASTRUCTURE PROJECTS

- (j) Original of duly signed and accomplished Financial Bid Form; and
Other documentary requirements under RA No. 9184
- (k) Original of duly signed Bid Prices in the Bill of Quantities; and
- (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and
- (m) Cash Flow by Quarter.

NOTE:

Any missing document/s on the above mentioned checklist is a ground for outright disqualification/ rejection of the bid.

REMARKS: PASSED FAILED

ACKNOWLEDGMENT: (Please see above "note" Do not fill up/sign if documents are marked passed)
This is to acknowledge receipt of the first and second envelopes which is being returned because of disqualification due to deficiencies and non-compliance with checklist therein.

Signature over printed name/Representative of Bidder

Date Received

CHECKED AND VERIFIED BY:

SIGNATURE:

- ATTY. JOSEPHINE C. LATI-BAGAOISAN
Chairperson
- ATTY. DIEGO LUIS S. SANTIAGO
Vice Chairperson
- DR. EMMA MEJIA-SANCHEZ
Member
- DR. JEANNA V. PLES
Member
- ENGR. JOHNNY L. CALATA
Member
- MS. RUTH F. ROMANO
Member
- DR. STUART G. SANTOS
Member

Attested by:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office

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 guidelines¹² 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.
- 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

¹² currently based on GPPB Resolution No. 09-2020

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].

- I. 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: _____

SAMPLE ONLY

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]* Insert Title

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.

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]

NFCC COMPUTATION FOR ELIGIBILITY CHECK

A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

		Year 20
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth(1-3)	
6.	Net Working Capital(2-4)	

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC= [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, conciding with the contract to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements (AFS) submitted to the BIR.

NFCC=P_____

Submitted by:

Name of Supplier/Distributor/Manufacturer

Signature of Authorized Representative

Date:_____

MARKING AND SEALING OF BIDS



PASB

