

PHILIPPINE BIDDING DOCUMENTS



DEPARTMENT OF SOCIAL WELFARE AND DEVELOPMENT
FIELD OFFICE MIMAROPA

BIDDING DOCUMENTS FOR CONSTRUCTION OF COTTAGE 3 OF MIMAROPA YOUTH CENTER

PROJECT ID NO. DSWD4B-2023-016

**Sixth Edition
July 2020**

Preface

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

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

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

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

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

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

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

TABLE OF CONTENTS

| | |
|--|-----------|
| Glossary of Terms, Abbreviations, and Acronyms | 5 |
| Section I. Invitation to Bid..... | 8 |
| Section II. Instructions to Bidders | 12 |
| 1. Scope of Bid..... | 13 |
| 2. Funding Information | 13 |
| 3. Bidding Requirements..... | 13 |
| 4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices | 13 |
| 5. Eligible Bidders..... | 13 |
| 6. Origin of Associated Goods | 14 |
| 7. Subcontracts | 14 |
| 8. Pre-Bid Conference..... | 14 |
| 9. Clarification and Amendment of Bidding Documents..... | 14 |
| 10. Documents Comprising the Bid: Eligibility and Technical Components | 14 |
| 11. Documents Comprising the Bid: Financial Component | 15 |
| 12. Alternative Bids | 15 |
| 13. Bid Prices | 15 |
| 14. Bid and Payment Currencies..... | 16 |
| 15. Bid Security..... | 16 |
| 16. Sealing and Marking of Bids..... | 16 |
| 17. Deadline for Submission of Bids | 16 |
| 18. Opening and Preliminary Examination of Bids | 16 |
| 19. Detailed Evaluation and Comparison of Bids..... | 17 |
| 20. Post Qualification..... | 17 |
| 21. Signing of the Contract | 17 |
| Section III. Bid Data Sheet | 18 |
| Section IV. General Conditions of Contract..... | 22 |
| 1. Scope of Contract..... | 23 |
| 2. Sectional Completion of Works | 23 |
| 3. Possession of Site | 23 |
| 4. The Contractor’s Obligations..... | 23 |
| 5. Performance Security | 24 |
| 6. Site Investigation Reports | 24 |

| | | |
|-----|---|-----------|
| 7. | Warranty..... | 24 |
| 8. | Liability of the Contractor..... | 24 |
| 9. | Termination for Other Causes..... | 24 |
| 10. | Dayworks | 24 |
| 11. | Program of Work..... | 25 |
| 12. | Instructions, Inspections and Audits | 25 |
| 13. | Advance Payment..... | 25 |
| 14. | Progress Payments | 25 |
| 15. | Operating and Maintenance Manuals..... | 25 |
| | Section V. Special Conditions of Contract..... | 27 |
| | Section VI. Specifications | 30 |
| | Section VII. Drawings..... | 31 |
| | Section VIII. Bill of Quantities | 47 |
| | Section IX. Checklist of Technical and Financial Documents | 92 |

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 THE CONSTRUCTION OF COTTAGE 3 OF THE MIMAROPA YOUTH CENTER

PROJECT ID NO. DSWD4B-2023-016

1. The *Department of Social Welfare and Development Field Office MIMAROPA*, through the *authorized appropriations under the FY 2023 General Appropriations Act* intends to apply the sum of **Eleven Million Pesos Only (Php 11,000,000.00)** being the ABC to payments under the contract for *Project, "Construction of Cottage 3 of the MIMAROPA Youth Center with Project ID No. DSWD4B-2023-016*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The DSWD Field Office MIMAROPA now invites bids for the above Procurement Project. Completion of the works is required **One Hundred Eighty (180) Calendar Days** upon receipt of Notice to Proceed. Bidders should have completed, within *five (5 years)* from the date of submission and receipt of bids, 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 a non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
4. Prospective Bidders may obtain further information from *DSWD Field Office MIMAROPA Bids and Awards Committee Secretariat* and inspect the Bidding Documents at the address given below during office hours from 8:00 A.M to 5:00 P.M.
5. A complete set of Bidding Documents may be acquired by interested Bidders on **August 21, 2023- September 11, 2023** from the given address and website(s) below *and upon payment of the applicable nonrefundable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Fifteen Thousand Pesos Only (Php 15,000.00)* .

6. It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PHILGEPS) and the website of the Procuring Entity, provided that the bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.
Payment for the purchase of Bid Documents may be deposited thru electronic fund transfer or over-the-counter (OTC) transaction to:

Account Name: **DSWD IV-B MISCELLANEOUS TRUST FUND**
Type Account: **Land Bank (Main –Cash Dept) Current Account**
Account Number: **3402-1021-51**

Proof of payment of bid documents i.e photos/ screenshots/printouts of electronic fund transfer receipts; actual OTC deposit receipts should be submitted with or before the submission of bid documents.

7. The *DSWD Field Office MIMAROPA* will hold a **Pre-Bid Conference on August 29, 2023, Tuesday 1:30 P.M** through video conferencing or webcasting *via google meet*, which shall be open to prospective bidders.

Interested bidders who would like to join the Pre-Bid Conference through video teleconferencing (google meet) may send at **procurement.fomimaropa@dswd.gov.ph** not later than **August 29, 2023** the following details so that the DSWD Field Office MIMAROPA BAC Secretariat may send the link and other instructions for the conduct of the video conference;

- a. Name of Company;
 - b. Name of Authorized Representative/s;
 - c. Contact Number;
 - d. Email Address
8. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **September 11, 2023, Monday 1:00 P.M. at DSWD Field Office MIMAROPA, 1680 F.T Benitez cor Malvar Sts., Malate, Manila. Late bids shall not be accepted.**

Should there happen a fortuitous event, the Pre-Bid Conference and Submission/Opening of Bids shall be automatically conducted on the next available working day, after the dates as above mentioned respectively for each of the afore-stated activities at the same time and place without need of further advertisement/posting.

9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on **September 11, 2023, Monday 1:30 P.M at DSWD Conference Room, 1680 F.T Benitez cor Malvar Sts, Malate, Manila and/or via Video**

Teleconferencing (VTC)thru google meet. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

11. The Bidder by the act of submitting its bid shall have deemed to have inspected the site , determined the general characteristics of the contract works, and the condition for this Project, and examine all instructions, forms, terms, and project requirements in the bidding documents.
12. The DSWD Field Office MIMAROPA 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 IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
13. For further information, please refer to:

Harvy B. Calabio
BAC Secretariat Head
DSWD FO MIMAROPA Bids and Awards Committee
DSWD FO MIMAROPA
1680 F.T Benitez cor Malvar Sts, Malate, Manila
Telephone Number: 5328-5111 Local 24052
Cellphone Number: +63998-474-6898
Email Address: procurement.fomimaropa@dswd.gov.ph
Website: www.fo4b.dswd.gov.ph

14. You may visit the following websites:
For downloading of Bidding Documents:
<https://fo4b.dswd.gov.ph/opportunities/invitation-to-bid-notices/bid-2023/>

August 18, 2023

(ORIGINAL SIGNED)

GENELIZA Q. GABILAN
BAC Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, *Department of Social Welfare and Development MIMAROPA Region* Invites Bids for the **Construction of Cottage 3 of the MIMAROPA Youth Center** with Project Identification Number *DSWD4B-2023-016*

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 Fiscal Year 2023 in the amount of *Eleven Million Pesos Only (Php 11,000,000.00)*.

2.2. The source of funding is NGA , the General Appropriations Act:

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 Sub-contracting is not allowed

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either through videoconferencing/webcasting} 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 Philippine Peso:*

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 One Hundred Twenty Calendar Days (120) from the date of opening. 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 **three (3) copies** 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 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

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

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

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

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

Bid Data Sheet

| ITB Clause | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|----------------------------|---------------------------|----------------------------|--------------------|-------------------------|---------|------------------------------------|------------------------------|---------|------------------------------|--------------------|---------|------------------------|---------------|---------|-----------------|-------------|---------|----------------|---------------------|---------|
| 5.2 | <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 style="margin-left: 40px;">a. <i>Construction of Facilities /Building Structure</i></p> <p style="margin-left: 40px;">b. <i>Completed within five (5) years from the date of submission . The amount of the SLCC must be equivalent to at least 50% of the ABC (Approved Budget for the Contract) , supported by the Contractors Performance Evaluation System Rating or a Certificate of Satisfactory Rating or Certificate of Satisfactory Completion of the Project issued by the owner of the previous completed project.</i></p> | | | | | | | | | | | | | | | | | | | | | |
| 7.1 | <i>Subcontracting is not allowed</i> | | | | | | | | | | | | | | | | | | | | | |
| 10.3 | <p><i>PCAB Classifications:</i> <i>Principal Classification: General Building</i></p> <p><i>License Category: C&D</i> <i>Registration Particulars:</i> <i>Kind of Project: General Building</i> <i>Respective Size Range (Minimum Requirement): Small B</i></p> | | | | | | | | | | | | | | | | | | | | | |
| 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; margin-left: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Key Personnel</u></th> <th style="text-align: center;"><u>General Experience</u></th> <th style="text-align: center;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td>Project Supervisor</td> <td style="text-align: center;">5 years</td> <td style="text-align: center;">5 years</td> </tr> <tr> <td>Site/Project Engineer(Registered)</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">2 years</td> </tr> <tr> <td>Licensed Electrical Engineer</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">2 years</td> </tr> <tr> <td>Registered Electrician</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">2 years</td> </tr> <tr> <td>Master Plumber</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">2 years</td> </tr> <tr> <td>Safety Officer</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">2 years</td> </tr> </tbody> </table> <p><i>Respective resumes and photocopy of valid Professional Regulation Commission (PRC) license shall be submitted .</i></p> | <u>Key Personnel</u> | <u>General Experience</u> | <u>Relevant Experience</u> | Project Supervisor | 5 years | 5 years | Site/Project Engineer(Registered) | 2 years | 2 years | Licensed Electrical Engineer | 2 years | 2 years | Registered Electrician | 2 years | 2 years | Master Plumber | 2 years | 2 years | Safety Officer | 2 years | 2 years |
| <u>Key Personnel</u> | <u>General Experience</u> | <u>Relevant Experience</u> | | | | | | | | | | | | | | | | | | | | |
| Project Supervisor | 5 years | 5 years | | | | | | | | | | | | | | | | | | | | |
| Site/Project Engineer(Registered) | 2 years | 2 years | | | | | | | | | | | | | | | | | | | | |
| Licensed Electrical Engineer | 2 years | 2 years | | | | | | | | | | | | | | | | | | | | |
| Registered Electrician | 2 years | 2 years | | | | | | | | | | | | | | | | | | | | |
| Master Plumber | 2 years | 2 years | | | | | | | | | | | | | | | | | | | | |
| Safety Officer | 2 years | 2 years | | | | | | | | | | | | | | | | | | | | |
| 10.5 | <p>The minimum major equipment requirements are the following:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Capacity</u></th> <th style="text-align: center;"><u>No. of Units</u></th> </tr> </thead> <tbody> <tr> <td>Dump Truck</td> <td>At least 6 cum capacity</td> <td style="text-align: center;">1 unit</td> </tr> <tr> <td>Road Roller</td> <td>1000 kgs, max working weight</td> <td style="text-align: center;">1 unit</td> </tr> <tr> <td>Concrete Vibrator</td> <td>Gas or Fuel Driven</td> <td style="text-align: center;">2 units</td> </tr> <tr> <td>One Bagger Mixer</td> <td>7HP Gas Motor</td> <td style="text-align: center;">2 units</td> </tr> <tr> <td>Welding Machine</td> <td>200-400 Amp</td> <td style="text-align: center;">2 units</td> </tr> <tr> <td>Scaffoldings</td> <td>H -Frames, GI pipes</td> <td style="text-align: center;">1 lot</td> </tr> </tbody> </table> <p><i>Supporting documents like proof of ownership, lease and/or purchase agreements shall be submitted . Submission of a certification of availability of equipment from the lessor for the duration of the Project is required.</i></p> | <u>Equipment</u> | <u>Capacity</u> | <u>No. of Units</u> | Dump Truck | At least 6 cum capacity | 1 unit | Road Roller | 1000 kgs, max working weight | 1 unit | Concrete Vibrator | Gas or Fuel Driven | 2 units | One Bagger Mixer | 7HP Gas Motor | 2 units | Welding Machine | 200-400 Amp | 2 units | Scaffoldings | H -Frames, GI pipes | 1 lot |
| <u>Equipment</u> | <u>Capacity</u> | <u>No. of Units</u> | | | | | | | | | | | | | | | | | | | | |
| Dump Truck | At least 6 cum capacity | 1 unit | | | | | | | | | | | | | | | | | | | | |
| Road Roller | 1000 kgs, max working weight | 1 unit | | | | | | | | | | | | | | | | | | | | |
| Concrete Vibrator | Gas or Fuel Driven | 2 units | | | | | | | | | | | | | | | | | | | | |
| One Bagger Mixer | 7HP Gas Motor | 2 units | | | | | | | | | | | | | | | | | | | | |
| Welding Machine | 200-400 Amp | 2 units | | | | | | | | | | | | | | | | | | | | |
| Scaffoldings | H -Frames, GI pipes | 1 lot | | | | | | | | | | | | | | | | | | | | |

| | |
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| | |
| 12 | N/A |
| 15.1 | <p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than Two Hundred Twenty Thousand Pesos Only (Php 220,000.00) if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than Five Hundred Fifty Thousand Pesos Only (Php550,000.00) if bid security is in Surety Bond.</p> |
| 16 | <p>Each bidder shall submit (one) 1 original and two (2) copies of the first and second components of the bid. Bid shall be enclosed in one sealed mother envelope/package as original, copy no 1 and copy no 2. Original Bid envelope should be sealed with two envelopes mark as "ORIGINAL –TECHNICAL COMPONENT" and another envelope as "ORIGINAL- FINANCIAL COMPONENT" sealing them all in outer envelope marked as "ORIGINAL BID". Each copy of the first and second envelopes shall be similarly sealed duly marking the inner envelopes as "COPY NO __ - TECHNICAL COMPONENT" and "COPY NO __ FINANCIAL COMPONENT" and the outer envelope as "COPY NO. __" respectively.</p> <p>All bid should be originally signed and documents should have a clear copy, page number and with corresponding tabs/ear-tags.</p> |
| 19.2 | Partial bids are not allowed. |
| 20 | <p>The following shall be submitted in addition to those specified under Section 20 of the GCC:</p> <p><i>Latest Income and Business Tax Returns, filed and paid through the Electronic Filing and Payments System (EFPS), consisting of the following:</i></p> <ul style="list-style-type: none"> <i>- Income Tax Return with proof of payment; and</i> <i>-VAT Returns (Form 2550M and 2550Q with proof of payment).</i> <p><i>-Certificate of Acceptance /Turn over of Completed Projects to establish that the bidder /contractor shall have a meaningful experience of at least five (5) years in construction</i></p> |
| 21 | <p>The following documents shall be submitted by the winning bidder within ten (10) calendar days from receipt of the Notice of Award (NOA):</p> <ol style="list-style-type: none"> 1. Construction Schedule and S-curve 2. Manpower Schedule 3. List of Manpower to be Deployed 4. Construction Methods |

| | |
|--|--|
| | 5. Equipment Utilization Schedule 6. PERT-CPM |
|--|--|

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. **Scope of Contract**

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

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

2. **Sectional Completion of Works**

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

3. **Possession of Site**

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. **The Contractor's Obligations**

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

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

5. Performance Security

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

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

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

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity’s Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.

11.2. The Contractor shall submit to the Procuring Entity’s Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the **SCC**.

- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the SCC from payments due to the Contractor.

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

| GCC Clause | | | | | | | | | | | |
|--|--|------------------|----------------------|---|--|---|--|--|--|--|---|
| 2 | <i>The intended completion is One Hundred Eighty (180) Calendar Days upon receipt of Notice to Proceed</i> | | | | | | | | | | |
| 4.1 | <i>The Procuring Entity shall give possession of the Site to the contractor upon receipt of the Notice to Proceed.</i> <i>The Start Date should be upon the receipt of the Notice to Proceed.</i> | | | | | | | | | | |
| 6 | Site Investigation Reports | | | | | | | | | | |
| 7.2 | <i>The warranty against structural defects /failures is fifteen (15) years</i> | | | | | | | | | | |
| 10 | No dayworks are applicable to the contract. | | | | | | | | | | |
| 11.1 | The Contractor shall submit the Program of Work to the Procuring Entity's Representative within <i>10 Ten Calendar</i> 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 Ten Thousand Pesos Only (Php 10,000.00) | | | | | | | | | | |
| 13 | The amount of the advance payment is <i>shall not exceed 15% of the total contract price and schedule of payment.</i> | | | | | | | | | | |
| 14 | <p>The payment for this project shall be made upon completion of the following activity/scope of works:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Payment Tranches</th> <th style="text-align: center;">Output /Deliverables</th> </tr> </thead> <tbody> <tr> <td>1st Tranche: 15% payment of the total contract cost (Mobilization fee based on RA 9184)</td> <td>Upon signing of the contract and submission of Performance Security indicated in the bid docs.</td> </tr> <tr> <td>2nd Tranche: 50% of the total contract cost (subject for deduction of 10% Retention and half of 15% Mobilization Fee</td> <td>Must be Fifty Percent (50%) of the project completion /physical accomplishment with the submission of Billing Statement , Progress/Accomplishment Report , Statement of Work Accomplished , Progress Photos and Narrative Report</td> </tr> <tr> <td>3rd Tranche: 35% of the total contract cost (subject for deduction of 10% Retention and half of 15% Mobilization Fee)</td> <td>Must be Eighty Five Percent (85%) of the project completion /physical accomplishment with the submission of Billing Statement , Progress/Accomplishment Report , Statement of Work Accomplished , Progress Photos and Narrative Report</td> </tr> <tr> <td>Last Tranche: Final Billing 100% Accomplishments payment of the contract price (Subject for Deduction of 10% Retention)</td> <td>Must be One Hundred Percent (100%) of the project completion /physical accomplishment with the submission of Billing Statement, Progress/Accomplishment Report, Statement of Work Accomplished, Progress Photos and Narrative Report.</td> </tr> </tbody> </table> | Payment Tranches | Output /Deliverables | 1 st Tranche: 15% payment of the total contract cost (Mobilization fee based on RA 9184) | Upon signing of the contract and submission of Performance Security indicated in the bid docs. | 2 nd Tranche: 50% of the total contract cost (subject for deduction of 10% Retention and half of 15% Mobilization Fee | Must be Fifty Percent (50%) of the project completion /physical accomplishment with the submission of Billing Statement , Progress/Accomplishment Report , Statement of Work Accomplished , Progress Photos and Narrative Report | 3 rd Tranche: 35% of the total contract cost (subject for deduction of 10% Retention and half of 15% Mobilization Fee) | Must be Eighty Five Percent (85%) of the project completion /physical accomplishment with the submission of Billing Statement , Progress/Accomplishment Report , Statement of Work Accomplished , Progress Photos and Narrative Report | Last Tranche: Final Billing 100% Accomplishments payment of the contract price (Subject for Deduction of 10% Retention) | Must be One Hundred Percent (100%) of the project completion /physical accomplishment with the submission of Billing Statement, Progress/Accomplishment Report, Statement of Work Accomplished, Progress Photos and Narrative Report. |
| Payment Tranches | Output /Deliverables | | | | | | | | | | |
| 1 st Tranche: 15% payment of the total contract cost (Mobilization fee based on RA 9184) | Upon signing of the contract and submission of Performance Security indicated in the bid docs. | | | | | | | | | | |
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| 3 rd Tranche: 35% of the total contract cost (subject for deduction of 10% Retention and half of 15% Mobilization Fee) | Must be Eighty Five Percent (85%) of the project completion /physical accomplishment with the submission of Billing Statement , Progress/Accomplishment Report , Statement of Work Accomplished , Progress Photos and Narrative Report | | | | | | | | | | |
| Last Tranche: Final Billing 100% Accomplishments payment of the contract price (Subject for Deduction of 10% Retention) | Must be One Hundred Percent (100%) of the project completion /physical accomplishment with the submission of Billing Statement, Progress/Accomplishment Report, Statement of Work Accomplished, Progress Photos and Narrative Report. | | | | | | | | | | |

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| | | Must be two (2) months from the liability period and or from date of Final Acceptance and without damage /defect of installed items upon submission of Contractor's Warranty security which equivalent to the amount of retention money and issued by the private insurance company , notarized Certificate of Warranty, signed and approved punch list report | |
| 15.1 | <p>The date by which operating and maintenance manuals are required is <i>within thirty (30) calendar days from the date of completion</i></p> <p>The date by which “as built” drawings are required is <i>within thirty (30) calendar days from the date of completion.</i></p> | | |
| 15.2 | The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is Ten Thousand Pesos Only (Php 10,000.00) | | |

Section VI. Specifications

PROJECT: CONSTRUCTION OF COTTAGE 3
LOCATION: BRGY. POBLACION, BANSUD, ORIENTAL MINDORO
OWNER: MIMAROPA YOUTH CENTER
SUBJECT: TECHNICAL SPECIFICATIONS

This set of Specifications shall govern the methods of construction and kinds of materials to be used for the proposed Project shown on the accompanying plans and detailed drawings.

Drawings and specifications are complimentary to each other so that what is mentioned or shown in the other shall be considered as appearing in both. Drawings are graphic means of showing works to be done and exist essentially to show size, location and placement. Specifications on the other hand are used to describe materials construction techniques and procedures. In case of conflict between the two, the same should be referred to the designing Architect/Engineer for clarification.

GENERAL CONDITIONS

All parts of the construction shall be finished with first class workmanship to the fullest talent and meaning of the Plans and the Specification, and to the full satisfaction of the designing Architect/Engineer and the Owner.

Any defective material or poor workmanship shall be replaced or improved by the Contractor without additional cost for the Owner.

The construction shall conform to all requirements of the National Building Code of the Philippines as well as rules and regulations in the locality. The contractor shall also ensure that the workplace is safe by providing appropriate safety signages, making the workplace organize and clean, and ensuring that workers are wear proper PPE's when doing their job.

PLANS AT SITE

There should be (2) set of plans maintained at job site. One (1) for construction laymen and two (2) for reference in the alterations, changes and revisions specially the electrical and plumbing works. This plan shall be kept and returned to the OWNER as **ASBUILT PLAN** for future references.

CLEARING THE SITE

The building site shall be levelled to a suitable grade according to the plans. It should be cleared of rubbish, roots and other perishable materials.

Such unsuitable materials shall be spread over areas adjacent to the proposed building, or disposed of as may be directed by the Architect/Engineer who is in charge of the construction.

TERMITE CONTROL (SOIL POISONING)

Furnish and install complete soil treatment under and adjacent to building to provide uniform toxic barrier in all routes of termite entry.

Mix chemicals and water at manufacturers full labeled rate per 100 gallons of finish emulsion. Foundation, preparation of slab on grade 0.15 x 0.15 of the building.

STAKING OUT THE BUILDING LINES

The building lines shall be staked out as well as all lines and grades shown in the drawings to accurately established before any excavation is started.

Batter boards where construction reference marks have been indicated should be erected such that they would not be disturbed during the excavation for the foundation of the building.

EXCAVATION FOR FOUNDATION

All excavation shall be made to grade indicated in the drawings. Where the building site is covered with any kind of fill, the excavation for footings shall be made deeper until the specified safe bearing capacity of the soil is reached.

If water is present at the excavation site, it shall be removed by bailing or pumping. Great care should be taken in order that the surrounding soil is not eroded or cave in.

BACKFILLING FOR EXCAVATION

When the concrete poured for foundation has hardened and can already withstand the pressure resulting from fills, the materials removed from excavation shall be used for backfilling them.

The fills and backfills shall be placed in layers not more than 150mm (6”) in thickness. Each succeeding layer shall be thoroughly compacted by wetting, tamping and rolling.

CONCRETE WORKS

Concrete should be mixed thoroughly such that there is uniform distribution among the cement and aggregates. The concrete should be vibrated and its forms should be tapped as it is deposited to its final position to prevent formation of voids in the concrete member which will weaken the building.

Water to be used for mixing concrete shall be clean and free from injurious amounts of oil, acids, salt, alkalis and other organic material. All concrete works for this project shall be undertaken in accordance with the standard specifications for plain and reinforced concrete as approved by the Government.

The following proportions of concrete shall be used for various part of the building:

| Building Parts | Class Mixture | Designation |
|---------------------------------|----------------------|--------------------|
| Footings and Columns | Class A | 1 : 2 : 4 |
| Girders, Beams and Slabs | Class A | 1 : 2 : 4 |
| Septic Vault Slab and Cover | Class A | 1 : 2 : 4 |
| Concrete Hollow Blocks Footings | Class B | 1 : 2-1/2 : 5 |
| Concrete Slab on Fill | Class C | 1 : 3 : 6 |

Class A Concrete shall be a mixture of 1 part cement, 2 parts fine aggregates and 4 parts coarse aggregates by volume, plus enough water to make the mixture into a pliable paste.

Class B Concrete shall be a mixture of 1 part cement, 2-1/2 parts fine aggregates and 5 parts coarse aggregates by volume, plus enough water to make the mixture into a pliable paste.

Class C Concrete shall be a mixture of 1 part cement, 3 parts fine aggregates and 6 parts coarse aggregates by volume, plus enough water to make the mixture into a pliable paste.

The fine aggregate for concrete shall consist of natural sand or of inert materials with similar characteristics, having hard, clean and durable grains, free from organic matters of loam.

The coarse aggregate for concrete shall be crushed rock or durable qualities, or clear and hard gravel. Size of the coarse aggregate to be used shall vary from 200mm (3/4") to 400mm (1-1/2").

Concrete slabs on fills shall be poured on a layer of hard gravel fill spread over well-compacted and thoroughly tamped earth fill. Each concrete slab course to be poured shall not be more than one meter wide, and each course shall be poured alternatively to the indicated floor finishes.

FORM OF CONCRETE WORKS

Forms for all reinforced concrete shall be adequately supported and braced or tied together to maintain the correct position and the shapes of poured concrete. Wooden forms shall be constructed sufficiently tight to prevent the bulging of concrete members upon pouring or leaking/draining water during curing.

The forms shall not be removed until the concrete has attained sufficient strength to support its own weight and any temporary loads placed on it. The side forms of girders and beams may be removed earlier than the bottom forms. However, additional supports and shoring must be placed under until they have attained strength.

STEEL REINFORCING BARS

Steel reinforcing bars to be used for this project shall consist of standard deformed structural bars meeting ASTM specifications.

The steel reinforcements for concrete shall be formed accurately according to the sizes of the columns, beams and girders, footings slab etc., where they are to be used. They shall be tied together at each bar intersection with Gauge No. 16 G.I wire or by welding.

No steel reinforcement should be installed unless it is free from rust, scale or other coating which would destroy or reduce the bond with concrete. The reinforcement bars

must be positioned such that there is space between the steel at the sides and bottom of the forms.

CONCRETE HOLLOW BLOCKS

Concrete hollow blocks to be used in this project shall be 4" x 8" x 16" and 6" x 8" x 16" of equal quality readily available in the locality. Use of such alternative brand shall be approved by the Project Architect or Engineer and the Owner/s.

All cells of concrete hollow blocks to be laid shall be filled with cement mortar mixture of 1 part cement and 3 parts sand, by volume. The horizontal joints between units shall be provided with 1:3 cement mortar mix. At least 10mm thick.

The size of concrete hollow blocks to be used for these walls shall be 6" x 8" x 16".

- All exterior walls at the 1st floor and 2nd floor.
- Wall where plumbing pipes will be located

For interiors walls at 1st floor and 2nd floor, concrete hollow blocks to be used shall 4" x 8" x 16".

All concrete hollow block walls shall be reinforced with 10mm diameter deformed bars both ways for every concrete hollow block laid horizontally and vertically. Vertical spacing of reinforcing steel is 80 cm. and horizontal spacing is 60 cm. or every 3 layers of CHB.

ROOF FRAMING, ROOFING ACCESSORIES

The materials to be used for the roof framing such as trusses, struts and web members shall consist of steel angles 2" x 2" x ¼ thick. Other accessories for the roof frames are shown in the Details of Truss Joints and in the Roof Framing Plan.

Roof sheets shall be color roof long span rib type. Ridge rolls, gutters, and flashings shall be 0.04mm thick pre-painted sheets. All downspouts shall be 3" diameter Schedule 40 PVC pipes. Fascia board shall be 30 cm width 12mm thk fiber cement board with angle bar and flat bar as framing. Apply also roof insulation to minimized the effect of heat at ceilings.

CEILING BOARDS

Fiber cement boards ¼ inch thick shall be used for inner ceiling for both 1st floor and 2nd floor including toilet and bathrooms. Ceiling frames shall be composed of metal furring, carrying channel, wall angle and w-clips. Use 2 w-clips at every intersection of metal furring and carrying channel and shall be riveted for stronger ceiling frame.

For outer ceiling, use pre-painted GI Spandrel Ceiling (4" width) with wall angle, end moulding and ventilation at every corner and center of roof eaves. Eaves ventilation shall be present in roof eaves.

DOORS, WINDOWS AND ACCESSORIES

The designs and specifications of materials for doors and windows to be installed for this project are shown in the Schedule of Doors and Windows detail drawings.

All interior panel doors shall be installed on door jambs with at least 4 sets of 3" x 3" loose-pin hinges. All door knobs shall be Schlage Door Knob.

| DOORS: | |
|---------------|--|
| D-1 | Powder Coated White Aluminum Double Door w/ 6mm thk. Tempered glass in/out swing (2.0 m. x 2.10 m) |
| D-1' | (D-1) Panel Door 2m x 2.10 w/ 50cm x 50cm viewing glass in each door |
| D-2 | Powder Coated White Aluminum Double Door w/ 6mm thk. Tempered glass in/out swing (1.0 m. x 2.10 m) |
| D-3 | Panel Door w/ door jamb (0.90 x 2.10 m) varnish finish, with 4 pcs 3-1/2" x 3-1/2" loose pin hinges, with heavy duty stainless Schlage doorknob. |
| D-4 | Panel Door w/ door jamb (0.80 x 2.10 m) varnish finish, with 4 pcs 3-1/2" x 3-1/2" loose pin hinges, with heavy duty stainless Schlage doorknob. |

| | |
|-----|--|
| D-5 | UPVC Door (0.70 x 2.10 m) with 3 pcs 3-1/2" x 3-1/2" loose pin hinges, with heavy duty stainless doorknob. |
|-----|--|

| WINDOWS: | |
|-----------------|---|
| W-1 | Aluminum awning window w/ fixed window (1.80 m x 1.95m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analog frame (window areas only), with integral grills 12 mm dia. square bar @ 150mm O.C. |
| W-2 | Aluminum awning window w/ fixed window (0.80m x 1.95m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analog frame (window areas only), with integral grills 12 mm dia. square bars @ 150mm O.C. |
| W-3 | Aluminum awning window w/ fixed window (0.40m x 1.95m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analog frame (window areas only), with integral grills 12 mm dia. square bars @ 150mm O.C. |
| W-4 | Aluminum awning window w/ fixed window (0.40m x 0.40m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analog frame (window areas only), with integral grills 12 mm dia. square ound bars @ 150mm O.C. |

| | |
|-----|--|
| W-5 | Aluminum awning window w/ fixed window (0.40m x 1.60m) 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analog frame (window areas only), with integral grills 12 mm dia. square bars @ 150mm O.C. (2 units at 2nd floor inner wall) |
| W-6 | Aluminum Sliding Window, Powder Coated White, 6 mm thk. Clear Glass (1.20m x 1.2m) |

Note: Design of window grills shall be approved by the site engineer authorized by the Owner.

PLUMBING WORKS AND FIXTURES

Plumbing works and materials shall be in accordance with the National Plumbing Code of the Philippines. Soil and waste pipes shall be properly graded or pitched downward to facilitate easy discharge of the solid and liquid wastes from the plumbing fixtures or receptacles to their place of disposal. Sloping pipes must be well supported and rigidly suspended to prevent sagging, displacement or pipe breakage, resulting in leakage of waste matter.

All plumbing fixtures should be connected to a vertical vent pipe, with its top end extending above the roof at least 0.60 meter or 2 feet.

The water closets to be installed in the Toilet and Bathrooms for these rooms shall be American Standard brand or equivalent.

Toilet paper holders shall be stainless steel and shall be installed at every water closet. Soap holders shall also be installed at every shower area.

Counter top rectangular lavatories shall be installed at comfort room area at ground floor. Approximate dimension shall be 480mm x 370mm x 130mm with complete accessories and fittings.

Use PPR pipes for waterline pipes and PVC pipes for sanitary, sewer and downspout pipes. Floor drains shall be 4" x 4" heavy duty stainless steel. No pipes shall be embedded on beams and columns.

All downspouts from the roof shall be 3" diameter PVC pipes Schedule 40. The lower ends shall terminate in concrete catch basins. Underground reinforced concrete pipes, 8' and 10' in diameter shall connect to the catch basins for draining the water to the street gutter fronting the building.

For sanitary sewers, Pipes and fittings shall be Polyvinyl Chloride (PVC) system pipes & fittings series 1000. Floor cleanouts shall be cast iron, stainless steel or chrome plated w/ "CO" cast in plate, installed flush w/ finished floor w/ counted sink screws.

For floor drains, provide cast iron drains & P-traps for each floor drain.

ELECTRICAL WORKS

All electrical works shall comply with the applicable provisions of the latest edition of the Philippines Electrical Code, the Rules and Regulations of the local enforcing authority and the requirements of the local power company. Specifications / general notes for electrical works are included in the electrical plan of this project.

- Convenience outlets and switches shall be wide Series
- Panel box and circuit breakers shall be Bolt on Type.
- Size of wire shall be in accordance to breaker capacity and type of use.
- Use PVC pipes for electrical works.

FIRE EXIT SIGNAGE

Fire exit signage shall be self-contained wall or ceiling mounted box Exit Sign. Other specification is listed below:

- Long-life LEDS, low energy consumption
- Rated life up to 25 years / Locations, refer to plan
- Automatic re-charge after discharge and Test switch and status indicator
- Input voltage: 120/227 Dual Voltage
- 6-volt DC input for LED lamp & Nickel cadmium battery
- Precision molded thermoplastic housing. Impact and scratch resistant. UV stabilized, Red Letter for EXIT on white field.

FIRE DETECTION AND ALARM SYSTEM

- Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5A NAC Power, Gray enclosure, 230V capacity for (2) 17Ah batteries
- EDC Series Conventional Photoelectric Smoke Detector
- Compact Wall Horn/Strobe 15-75cd, Red Fire Marking
- Fire Alarm Manual Station – Single Pole 6" Wire Leads
- 12V/7 Ah Backup Battery

- Use EMT Conduits, TF Wire cables, Conduit fittings and support, Miscellaneous consumables and all necessary materials to complete a functional system

FIRE EXTINGUISHER

Wall hung Extinguisher and Bracket Dry Chemical ABC stored pressurized gauge w/c does not need recharging except after use.

Ten pounds (10) unit tested & UL listed, w/ minimum 4A60-BC UL rating shall appear on extinguisher labels and attached to, a part of extinguisher units.

Private labeled by manufacturers approved with appropriate documentation.

EMERGENCY LIGHT

- Twin lamp UL Listed, CSA or NOM Certified.
- Lamps of 2-5, 4 W wedged based krypton lamps
- Minimum illumination 1-1/2 hours
- Maintenance free lead-calcium battery
- Main supply, 230V, 60 H2
- High Impact thermoplastic housing UV stable
- Locations refer to plan.

TILE WORKS

1st floor and 2nd floor tiles shall be 60cm x 60cm porcelain tiles. The Owner shall approve the tiles to be used before the actual installation.

Walls of bathrooms and toilets shall also be finished with 60cm x 60cm porcelain tiles. Installation of tiles shall be from floor to ceiling of toilet and bathrooms. During construction and laying of tiles, the Owner may require that decorative tiles and mouldings be installed at certain parts of floors and walls for accents to enhance the overall design of each room.

Granite tiles shall be used at all handwashing area. The contractor shall also submit granite tile design for approval before installation. Splash board shall be 15 cm height together with the granite tiles installed at the sides of the counter top. 3/4" marine plywood shall be used for the cabinets at the handwashing area with stainless cabinet handles.

All porcelain tiles and granite tiles to be used for this project shall be of first-class quality. Each piece should be free from chipped off corners, serrated edges or other defects. The tiles must be set in place accurately and firmly with tile adhesive.

The mortar for laying floor tiles shall be of Class A (1:2) mix, consisting of one part cement and 2 parts screened sand, by volume. Tile grout to be used shall be ABC Tile grout approved by the assigned Engineer.

The contractor shall leave a certain number of tiles at project site to be used in case of repair purposes.

PAINING AND VARNISHING

All painting and varnishing works for this project shall be executed in first class workmanship using branded paint. Surfaces should be thoroughly cleaned to remove mortar, dust, grease, rust and other foreign substances that may present on areas to be painted or varnished.

Surface defects such as cracks, dents and holes must be filled with putty and sandpapered before final coat of paint or varnish is applied.

All concrete surfaces to be painted shall first be given a coat of concrete neutralizer. Metal and steel must be primed with anti-rust paint before the application of subsequent coats of paint.

All rough and finishing wood materials such as ceiling joists and hangers, door frames, stair treads, railings cabinet and closet doors and shelves, baseboards, moulding, etc., must be treated with anti-termitic solution approved by the assigned Site Engineer.

The overall color scheme to be followed in painting and varnishing the building, including those of other materials like tiles, plumbing fixtures and other accessories shall be left to the decision of the Owners and the assigned Site Engineer.

PERIMETER PATHWALK WITH PLANT BOX

Perimeter path walk shall be of length of approximately 60 meters, width is 1 meter and thickness of 1 meter. Design of path walk shall be Hexagonal, Bricks or Roma Design Concrete Cement Paving w/ design color).

Plant box shall be of Length = approx. 45 meters, Height = 40 cm, Width = 50 cm (w/ cement plaster and paint finish).

Prepared by:

Name: Engr. Aldie E. Malate

Position: Engineer III - MYC

PRC No: 0104780

PTR No: 3127372A

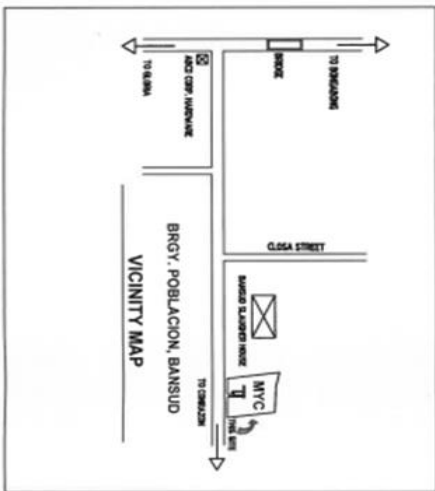
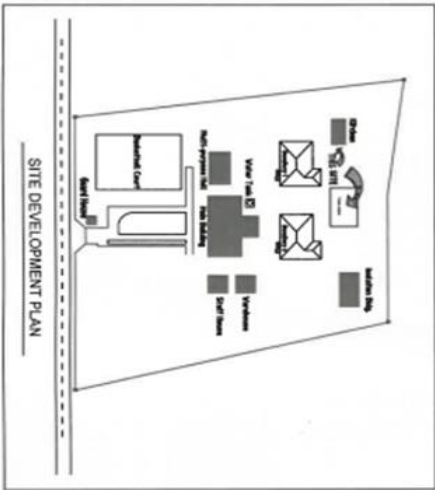
Section VII. Drawings



SCALE

PERSPECTIVE

NTS



SITE DEVELOPMENT PLAN

SCALE



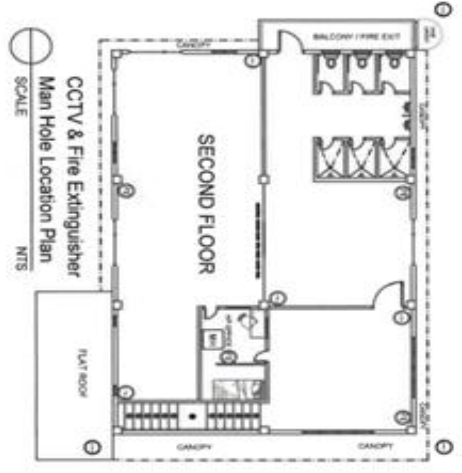
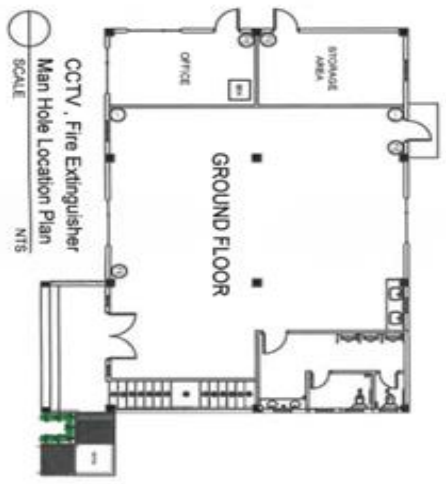
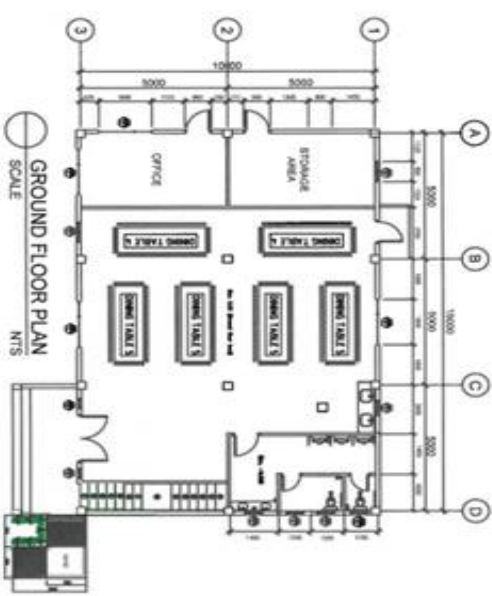
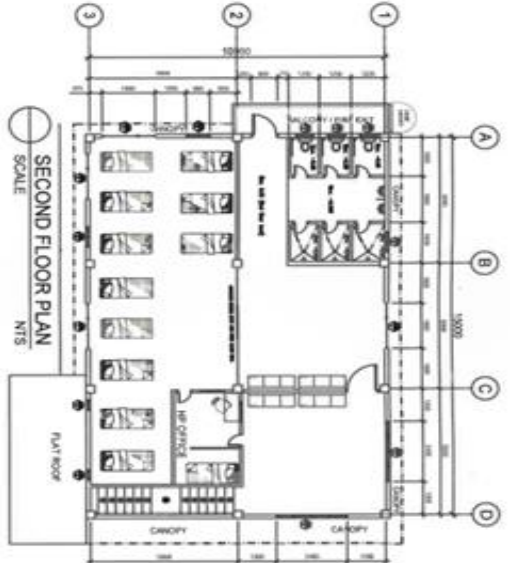
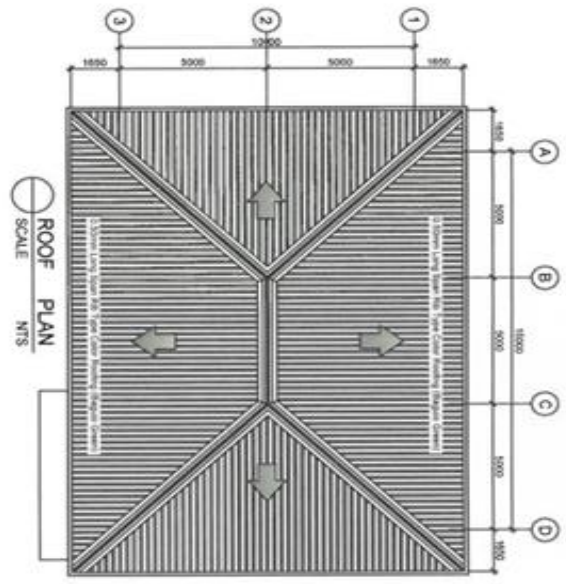
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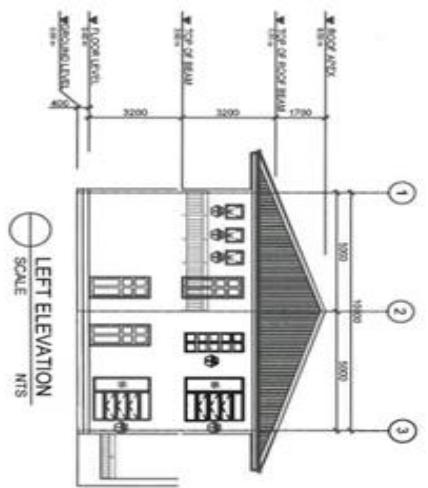
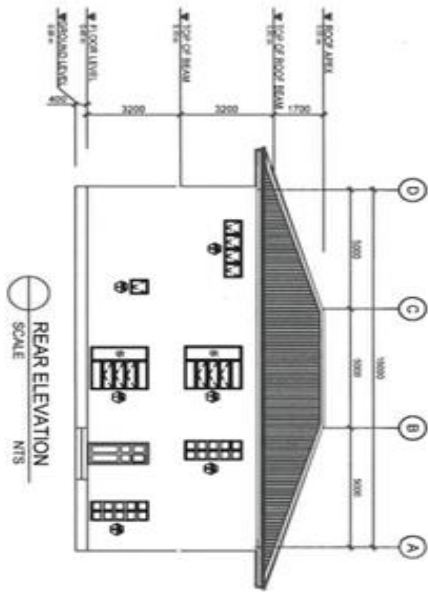
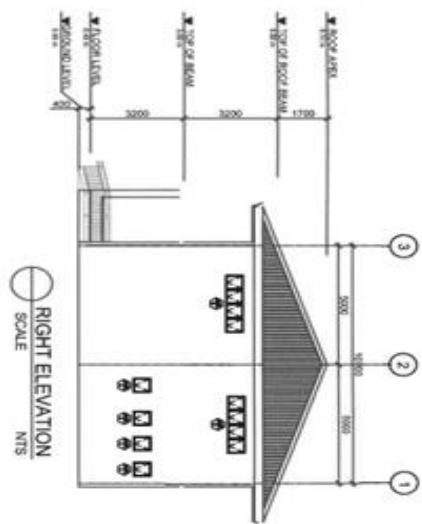
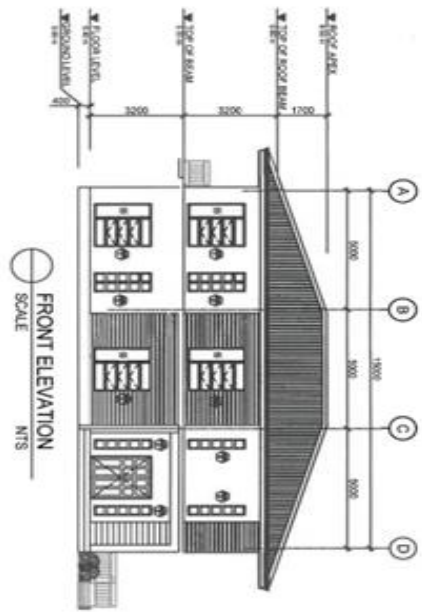
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| TABLE OF CONTENTS | |
|-------------------|--|
| A1 | PERSPECTIVE VICINITY MAP SITE DEVELOPMENT PLAN |
| A2 | GROUND & SECOND FLOOR PLAN COPY THE EXTERIOR ARCHITECTURE LOCATION PLAN ROOF PLAN & FURNITURE WINDOW DETAILS |
| A3 | FOUR ELEVATIONS |
| A4 | GROUND F.L. & 2ND F.L. WALL SETTING OUT PLAN GROUND F.L. & 2ND F.L. TILE LAYOUT LONGITUDINAL SECTION & CROSS SECTION |
| A5 | SCHEDULE OF DOORS AND WINDOWS |
| A6 | DETAILS OF RAMPS AND RAIL NOS. DETAILS OF STAIRS AND CASE LADDER |
| S1 | FOUNDATION PLAN GRADE BEAM FRAMING PLAN |
| S2 | SECOND FLOOR BEAM FRAMING PLAN SECOND FLOOR SLAB FRAMING PLAN ROOF BEAM FRAMING PLAN |
| S3 | TYPICAL BAR DETAILS FOR BEAMS CONCRETE STAIR DETAIL DETAIL OF FOOTINGS AND WALL FOOTINGS SCHEDULE OF COLUMNS & FOOTINGS |
| S4 | ROOF FRAMING PLAN TRUSS DETAILS |
| S5 | GENERAL NOTES |
| P1 | GROUND F.L. & 2ND F.L. WATER LINE LAYOUT |
| P2 | GROUND F.L. & 2ND F.L. SANITARY LAYOUT |
| P3 | DOWNSPOUT PLAN AND PIPE LAYOUT CATCH BASIN AND JOINT DETAIL |
| P4 | PLUMBING NOTES AND LEGENDS SEPTIC TANK DETAILS STANDARD PIPE FITTINGS |
| E1 | GROUND FLOOR LIGHTING LAYOUT GROUND FLOOR POWER LAYOUT |
| E2 | SECOND FLOOR LIGHTING LAYOUT SECOND FLOOR POWER LAYOUT |
| E3 | PANELBOARD & LOAD SCHEDULE POWER RISER DIAGRAM |
| E4 | GENERAL NOTES AND ELECTRICAL LEGEND VICINITY MAP LOCATION PLAN |
| | MECHANICAL |
| | SANITARY |
| | STRUCTURAL |
| | ARCHITECTURAL |
| | LINE & GRADE |
| | LAND USE & ZONING |
| | MUNICIPALITY/CITY |

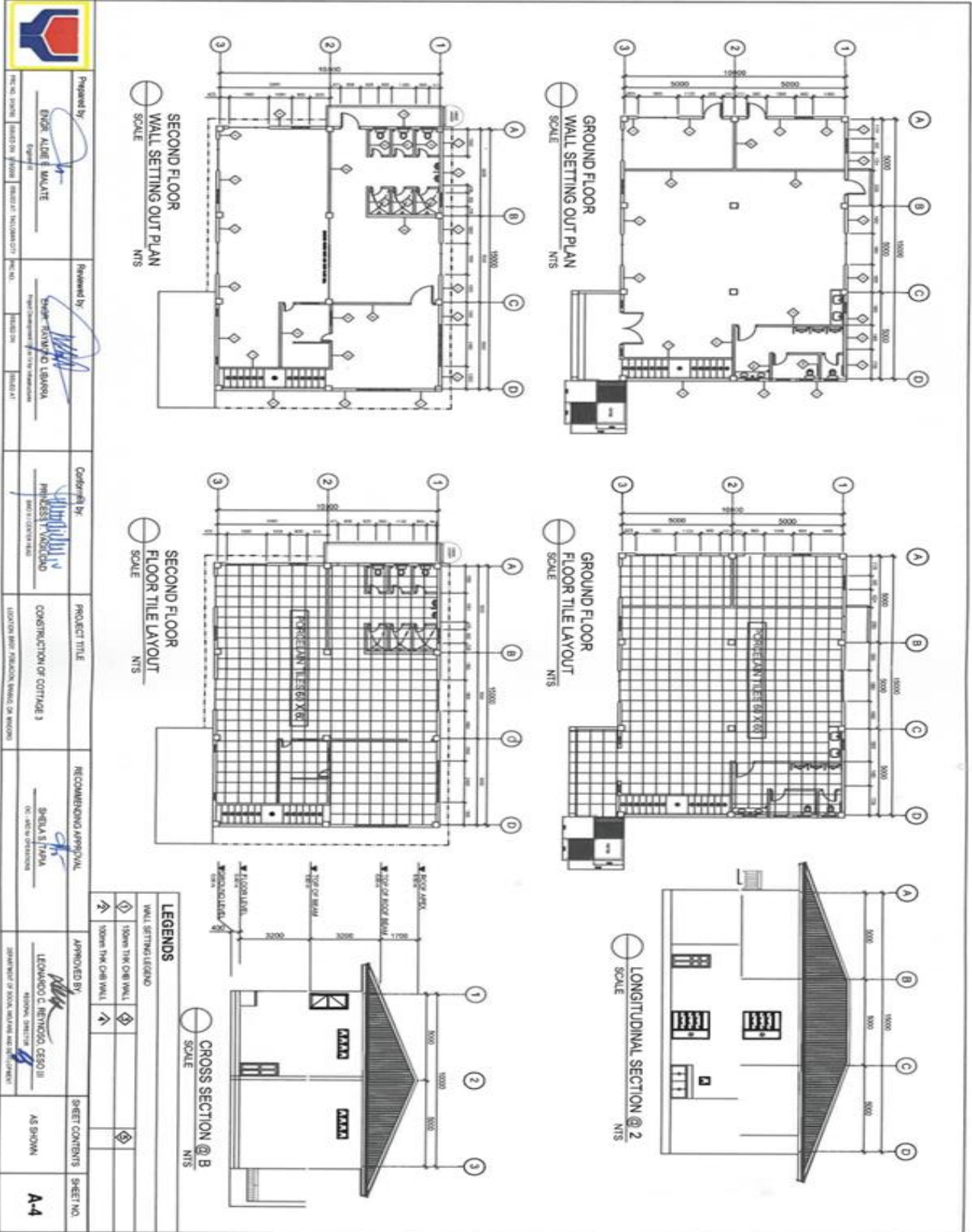
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|  | | Prepared by:  ENGR. KYLE E. MALATE Engineer | | Reviewed by:  ENGR. ESTEBAN LIBARRA Registered Professional Engineer | | Conform by:  PRINCESS Y. VASQUEZ Registered Professional Engineer | | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | | RECOMMENDING APPROVAL SHEILA S. TAPIA Civil Engineering | | APPROVED BY:  LEONARDO C. REYNOSO, CEO III REGIONAL DIRECTOR | | SHEET CONTENTS AS SHOWN | | SHEET NO. A-1 | |
| PROJECT NO. | DATE OF ISSUE | SCALE OF DRAWING | PROJECT NO. | DATE OF ISSUE | SCALE OF ISSUE | PROJECT NO. | DATE OF ISSUE | SCALE OF ISSUE | PROJECT NO. | DATE OF ISSUE | SCALE OF ISSUE | PROJECT NO. | DATE OF ISSUE | SCALE OF ISSUE | PROJECT NO. | DATE OF ISSUE | SCALE OF ISSUE |

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|  | Prepared by: | ENRIQUE ALDRE VALDERRAMA | Reviewed by: | SHEILA TRUJILLA | PROJECT TITLE: | CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL: | SHEILA TRUJILLA | SHEET CONTENTS: | AS SHOWN | SHEET NO.: | A-2 |
| | Approved by: | ENRIQUE ALDRE VALDERRAMA | Approved by: | EDUARDO C. FERREZOLA CASO III | LOCATION AND POSITION (SHALL BE RECORDED): | | APPROVED BY: | EDUARDO C. FERREZOLA CASO III | | | | |





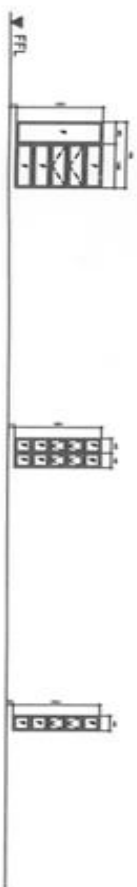
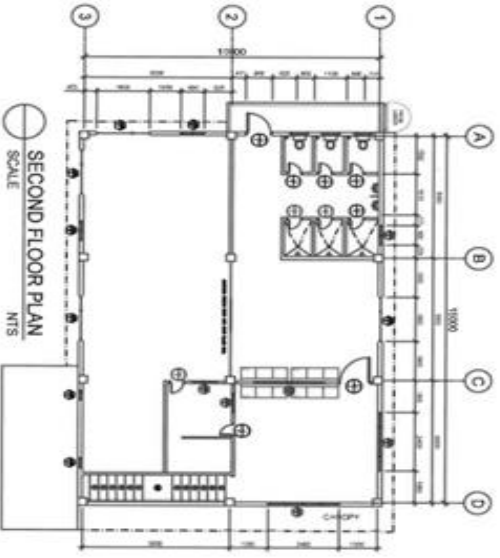
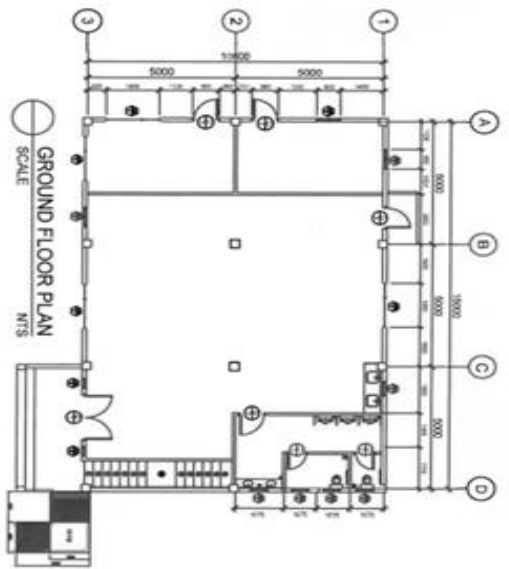
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| | ENGR. ADRIAN VALANTE <small>Engineering</small> | ENGR. RAFAEL LABRANA <small>Professional Engineer in Architecture</small> | PRINCESS YANALDO <small>Architect</small> | CONSTRUCTION OF COTTAGE 1 | SHEILA TARA <small>Off. Asst. to Division Office</small> | LEONARDO BERNARDO GERRIL <small>Regional Director</small> | AS SHOWN | A-3 |
| PROJECT NUMBER DRAWING POSITION SHEET NO. (NUMERATOR) SHEET NO. (DENOMINATOR) | PROJECT NO. PROJECT NO. | PROJECT NO. PROJECT NO. | PROJECT NO. PROJECT NO. | LOCATION (NEAR, REGIONAL HEADQUARTERS OR TOWN) | DEPARTMENT OF SOCIAL WELFARE AND DEVELOPMENT | | | |



LEGENDS

| WALL SETTING LEGEND | |
|---------------------|------------------------|
| | SHOW THE ORIGINAL WALL |
| | SHOW THE NEW WALL |

| | | | | | | | | |
|--|---|--|--|--|---|---|-----------------------------------|-------------------------|
| | Prepared by ENGR. ALDREY M. MALATE <small>Engr. Reg. No. 10101</small> | Reviewed by ENGR. EDUARDO C. CASO III <small>Engr. Reg. No. 10101</small> | Confirmed by PHILIP M. MENDOZA <small>Arch. Reg. No. 10101</small> | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL SHEILA S. PANA <small>Reg. No. 10101</small> | APPROVED BY LEONARDO C. HERNANDEZ CASO III <small>Reg. No. 10101</small> | SHEET CONTENTS AS SHOWN | SHEET NO. A-4 |
| | <small>PROJECT ENGINEER</small> <small>DESIGNED BY</small> <small>CHECKED BY</small> <small>DATE</small> | <small>PROJECT ARCHITECT</small> <small>DESIGNED BY</small> <small>CHECKED BY</small> <small>DATE</small> | <small>PROJECT ARCHITECT</small> <small>DESIGNED BY</small> <small>CHECKED BY</small> <small>DATE</small> | <small>PROJECT ARCHITECT</small> <small>DESIGNED BY</small> <small>CHECKED BY</small> <small>DATE</small> | <small>LOCATION: BAY PANGLOSS, BAYVIEW, CEBU</small> | <small>DATE OF APPROVAL</small> | <small>DATE OF APPROVAL</small> | |



1 ALUMINUM AWNING WINDOW
 1.60 M x 2.10 M
 FRAME : 60 M ALUMINUM
 GLASS : 6+6+6 TRIPLEX
 ACCESSORIES : LOCKER & HANDLE, ALUM AWNING
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)

2 ALUMINUM AWNING WINDOW
 1.60 M x 2.10 M
 FRAME : 60 M ALUMINUM
 GLASS : 6+6+6 TRIPLEX
 ACCESSORIES : LOCKER & HANDLE, ALUM AWNING
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)

3 ALUMINUM AWNING WINDOW
 1.60 M x 2.10 M
 FRAME : 60 M ALUMINUM
 GLASS : 6+6+6 TRIPLEX
 ACCESSORIES : LOCKER & HANDLE, ALUM AWNING
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)

4 ALUMINUM AWNING WINDOW
 1.60 M x 2.10 M
 FRAME : 60 M ALUMINUM
 GLASS : 6+6+6 TRIPLEX
 ACCESSORIES : LOCKER & HANDLE, ALUM AWNING
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)

5 ALUMINUM AWNING WINDOW
 1.60 M x 2.10 M
 FRAME : 60 M ALUMINUM
 GLASS : 6+6+6 TRIPLEX
 ACCESSORIES : LOCKER & HANDLE, ALUM AWNING
 METRAL QUALITY : 100% GALVALUM (C/20, 200 M)
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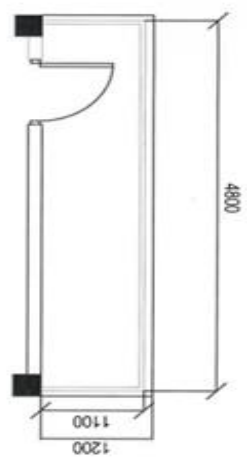
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SCHEDULE OF WINDOWS
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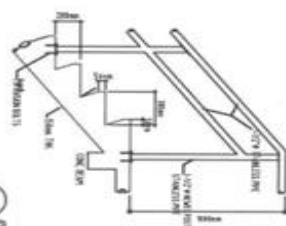
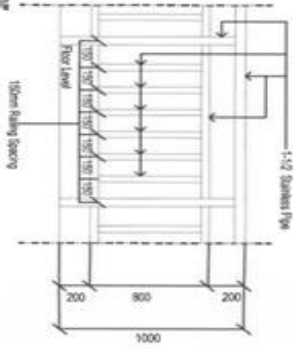
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| 3 | ROOM 3 | 3 SETS | 3 SETS | 3 SETS | 3 SETS | 3 SETS |
| 4 | ROOM 4 | 3 SETS | 3 SETS | 3 SETS | 3 SETS | 3 SETS |
| 5 | ROOM 5 | 3 SETS | 3 SETS | 3 SETS | 3 SETS | 3 SETS |

SCHEDULE OF DOORS
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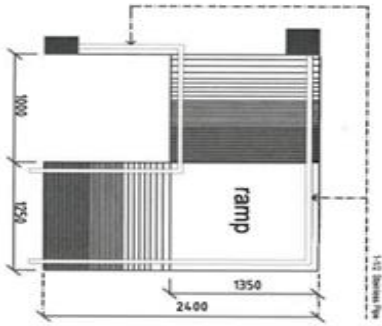
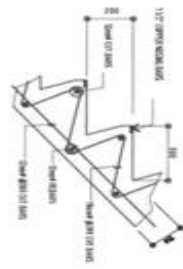
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| ENGR. NO. 01979 | ENGR. NO. 01979 | ENGR. NO. 01979 | LOCATION: BARRIO SAN ANTONIO, CALAPA, DAVAO DEL NORTE | DATE: 01/20/2023 | DATE: 01/20/2023 | | |



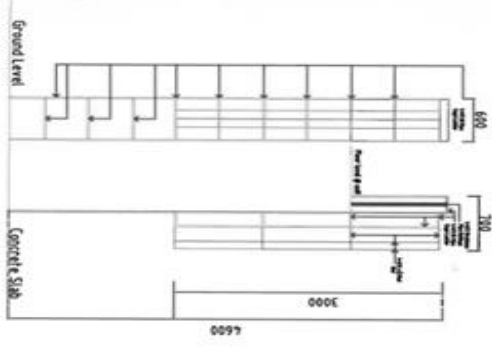
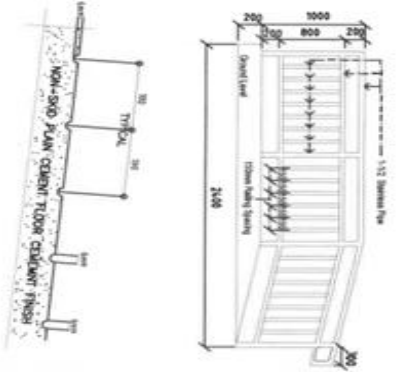
Details of Railings @ 2nd Floor
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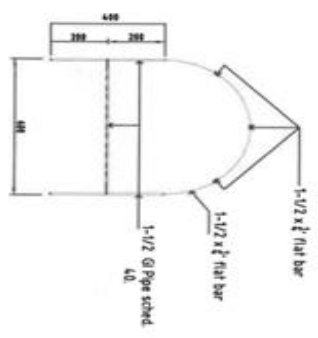
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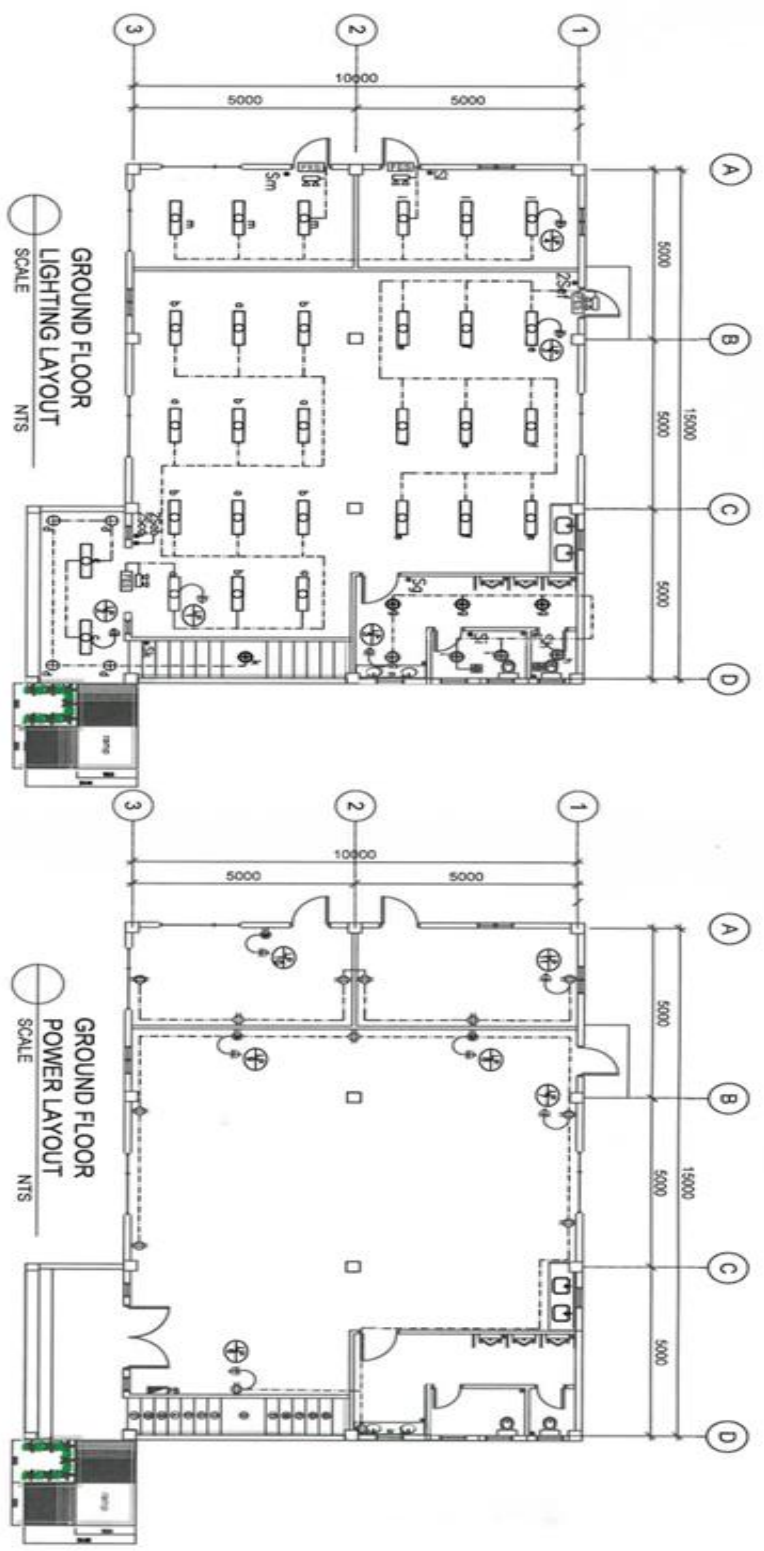
Details of Railings Ramp w/ Railings
SCALE NTS








DETAIL OF RAMP LADDER

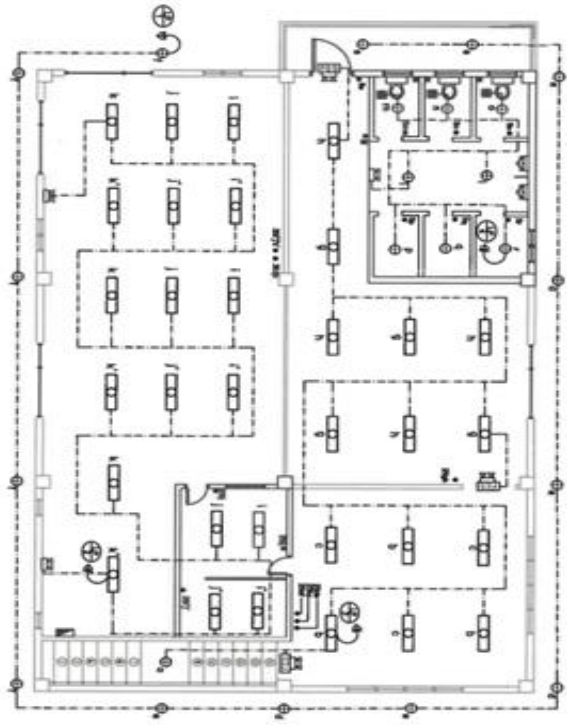


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|--|--|--|---|--|--|---|-----------------------------------|-------------------------|
| | Prepared by ENGR. ALDRE E. WALATE <small>Engr. No. 10000000000000000000</small> | Reviewed by ENGR. SHERWIN O. LABANA <small>Engr. No. 10000000000000000000</small> | Checked by ENGR. JUAN CARLOS V. VILLALBA <small>Engr. No. 10000000000000000000</small> | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL SHEILA S. / PIA <small>Engr. No. 10000000000000000000</small> | APPROVED BY LEONARDO C. RIVEROSO, CESO III <small>Engr. No. 10000000000000000000</small> | SHEET CONTENTS AS SHOWN | SHEET NO. A-6 |
| | <small>PROJECT STATUS</small> <small>DESIGN IN PROGRESS</small> | <small>DESIGN IN PROGRESS</small> | <small>DESIGN IN PROGRESS</small> | <small>DESIGN IN PROGRESS</small> | <small>DESIGN IN PROGRESS</small> | <small>DESIGN IN PROGRESS</small> | <small>DESIGN IN PROGRESS</small> | |

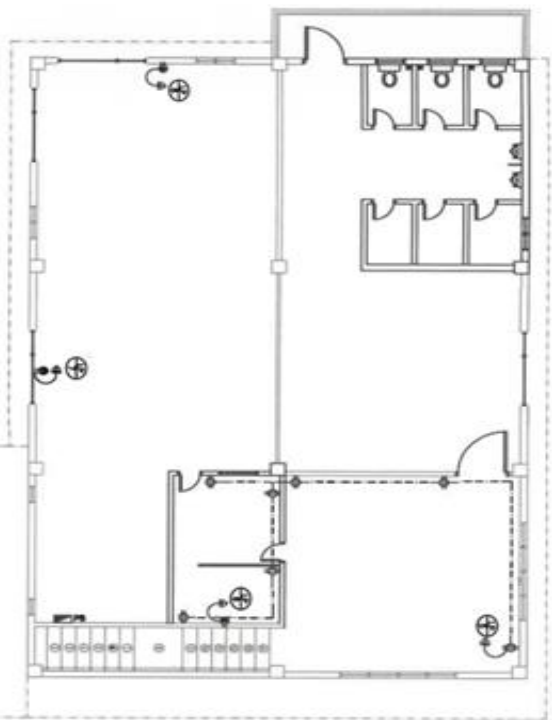


| SYMBOLS | |
|---------|--|
| | RECESSED MOUNTED RECTANGULAR DOWN LIGHT |
| | 5-WATT LED LAMP DOWN LIGHT WITH INTEGRATED REFLECTOR WHITE COLOUR AND CASING COMPLETE WITH SPRING LOADED LAMP HOLDER |
| | RECESSED DOWNLIGHT |
| | AIR CONDITIONING UNIT |
| | EXHAUST FAN |
| | FIRE EXIT SIGN |
| | EMERGENCY LIGHT |

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|---|--|---|--|---|--|-----------------------------------|--|--------------------------------|--|
|  | | Prepared by:  ENGR. AILEEN E. MUALITE <small>Engr. No. 123456789</small> | | Reviewed by:  ENGR. ARNEL P. LIBARONA <small>Engr. No. 987654321</small> | | Checked by:  PRINCES T. VALDO <small>Engr. No. 1122334455</small> | | PROJECT TITLE CONSTRUCTION OF OUTPACE 3 <small>LOCATED BPOZ, PANGLOSS, BANGAL, DAVAO</small> | | RECOMMENDING APPROVAL  SHEILA E. TAVA <small>DR. ARCHITECTURE</small> | | APPROVED BY:  LEONARDO C. SANTOS, CEO III <small>REGIONAL CHIEF EXECUTIVE OFFICER</small> | | SHEET CONTENTS AS SHOWN | | SHEET NO. E-1 | |
|---|--|--|--|--|--|--|--|---|--|---|--|---|--|-----------------------------------|--|--------------------------------|--|



SECOND FLOOR
LIGHTING LAYOUT
SCALE NTS



SECOND FLOOR
POWER LAYOUT
SCALE NTS

| SYMBOLS | |
|---------|---|
| | RECESSED MOUNTED RECTANGULAR DOWNLIGHT |
| | 5-WATT LED LAMP DOWNLIGHT WITH WARMED WHITE REFLECTOR MOUNTED DOWNLIGHT |
| | COMPACT FLUORESCENT LAMP HOLDER |
| | RECESSED DOWNLIGHT # |
| | AIR CONDITIONING UNIT |
| | EXHAUST FAN |
| | FIRE EXIT SIGN |
| | EMERGENCY LIGHT |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Prepared by ENCAR ACOSTA MALUTE | Reviewed by MIGUEL-ANGEL LEBARRA | Coordinated by PRINCESS T. VARGAS | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL SHEILA TAPIA | APPROVED BY LEONARDO C. RIVERO GONZALEZ | SHEET CONTENTS AS SHOWN | SHEET NO. E-2 |
| | PROJECT NUMBER: 10000000000000000000 CLIENT: 10000000000000000000 PROJECT LOCATION: 10000000000000000000 PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 | PROJECT NO.: 10000000000000000000 SHEET NO.: 10000000000000000000 SHEET AT: 10000000000000000000 |

PANLEBOARD A :

| Ckt. LOAD DESCRIPTION NO. | VA LOAD | CIRCUIT BREAKER | | | WIRE & CONDUIT SIZE |
|--------------------------------------|---------------|-----------------|------|----|--|
| | | VOLT | POLE | AT | |
| LED LIGHTING (12 x 100 waha) | 1200 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED LIGHTING (17 x 100 waha) | 700 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED LIGHTING (17 x 100 waha) | 700 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED LIGHTING (12 x 100 waha) | 600 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED LIGHTING (12 x 100 waha) | 600 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| CONDENSANCE OUTLETS (6 x 180 WATTS) | 2160 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| REFRIGERATION | 3000 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| AIR CONDITIONING UNIT OUTLET (2.0kw) | 2300 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| AIR CONDITIONING UNIT OUTLET (2.0kw) | 2300 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| AIR CONDITIONING UNIT OUTLET (1.5kw) | 1940 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| CONDENSANCE OUTLETS (6 x 180 WATTS) | 2160 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| PANLEBOARD B | 18,000 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| SPACE | 3000 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| SPACE | 3000 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| TOTAL | 42,440 | | | | |

PROTECTION MAIN: 150 AMP/MS/125V/1Ø
FEEDER: 1ØE 25mm² THHN Braided Wht @ 25mm dia conduit

I_b @ 60% OF $I_n = \frac{42440}{230} (0.6) = 117.82$ AMPERES
 $I_n = 250$

LOAD SCHEDULE

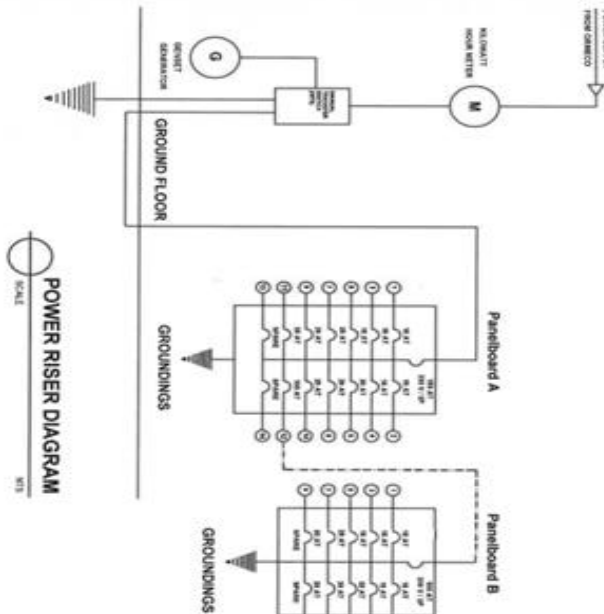
PANLEBOARD B :

| Ckt. LOAD DESCRIPTION NO. | VA LOAD | CIRCUIT BREAKER | | | WIRE & CONDUIT SIZE |
|---------------------------------------|---------------|-----------------|------|----|--|
| | | VOLT | POLE | AT | |
| LED LIGHTING (14 x 100 waha) | 1400 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED FLUORESCENT LIGHT (11 x 100 waha) | 1100 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED FLUORESCENT LIGHT (9 x 100 waha) | 900 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| LED FLUORESCENT LIGHT (9 x 100 waha) | 900 | 230 | 2 | 15 | 2-2.0mm ² THHN Wht @ 15mm dia conduit |
| CONDENSANCE OUTLETS (12 x 180 WATTS) | 2160 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| AIR CONDITIONING UNIT OUTLET (2.0kw) | 2300 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| AIR CONDITIONING UNIT OUTLET (2.0kw) | 2300 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| AIR CONDITIONING UNIT OUTLET (1.5kw) | 1940 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| SPACE | 3000 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| SPACE | 3000 | 230 | 2 | 20 | 2-3.0mm ² THHN Wht @ 15mm dia conduit |
| TOTAL | 18,000 | | | | |

PROTECTION MAIN: 150 AMP/MS/125V/1Ø
FEEDER: 1ØE 25mm² THHN Braided Wht @ 25mm dia conduit

I_b @ 60% OF $I_n = \frac{18000}{230} (0.6) = 46.87$ AMPERES
 $I_n = 250$

LOAD SCHEDULE



POWER RISER DIAGRAM



Prepared by
ENGR. ALGER MAALTE
By

Reviewed by
ENGR. TRIVINDU LUDRANA
Project Charge

Confirmed by
PRINCES T VASILDIO
HEAD OF CIVILS DEPT.

PROJECT TITLE
CONSTRUCTION OF COTTAGE 3
LOCATION: WEST REGION, BANGALORE DISTRICT

RECOMMENDING APPROVAL
SHEELA S. TAPA
DC, WEST REGION

APPROVED BY
LEONARDO C. REYNOSO, CESO III
REGIONAL DIRECTOR
DEPARTMENT OF REGIONAL PLANNING AND DEVELOPMENT

SHEET CONTENTS
AS SHOWN

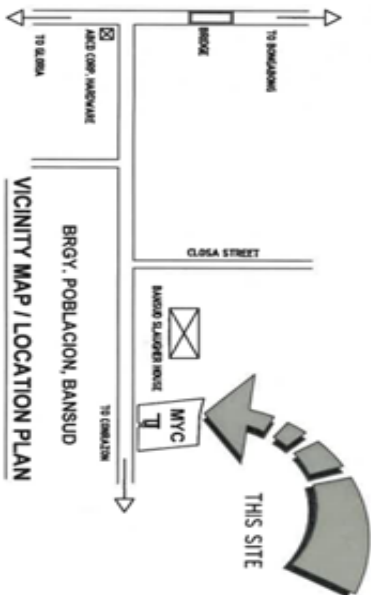
SHEET NO.
E-3

GENERAL NOTES :

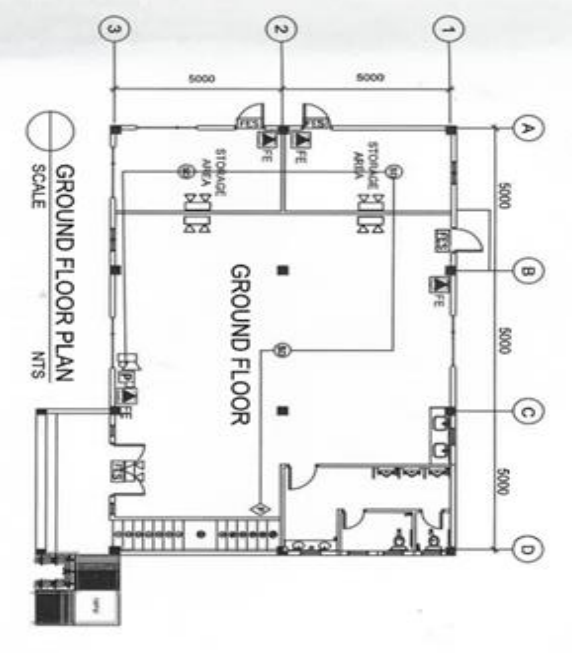
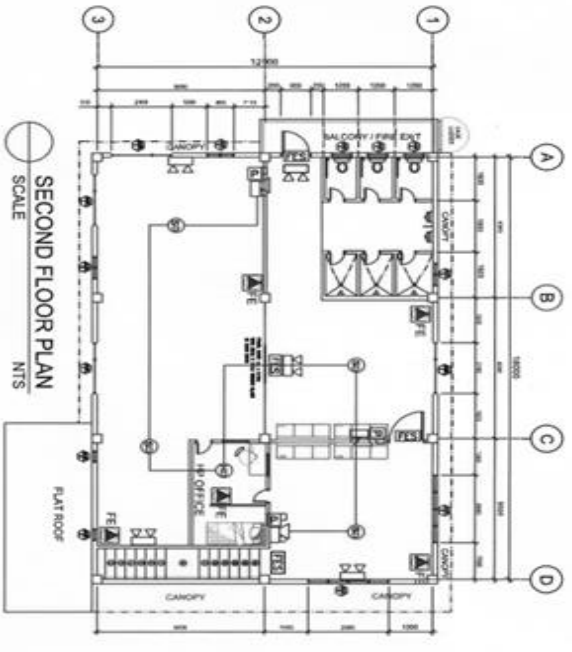
1. ALL ELECTRICAL WORKS SHALL COMPLY WITH THESE PLANS AND SPECIFICATIONS, THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
2. THE ELECTRICAL SERVICE POWER SHALL BE 1-PHASE, 2-WIRE, 230V AC, 60HZ.
3. WIRING METHOD SHALL BE AS FOLLOWS:
RIGID STEEL CONDUIT OR POLYVINYL CHLORIDE CONDUIT SCHEDULE 40 SHALL BE USED AS SPECIFIED IN THE PLAN.
4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUNS SHALL BE 3.5mm² AND INSULATED FOR 600 VOLTS. LIKEWISE, ALL CONDUCTORS SHALL BE COLOR-CODED. SMALLEST RACEWAY SHALL BE 15mm DIA (NOMINAL)
5. ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED FOR THE PARTICULAR LOCATION AND USAGE.
7. EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO THE ELECTRICAL SYSTEM AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS:
a. LIGHT SWITCH - 1.20M ABOVE FINISH FLOOR
b. CONVENIENCE OUTLET - 0.3M ABOVE FINISH FLOOR
9. ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.

ELECTRICAL LEGEND :

| SYMBOL | DESCRIPTION |
|--------|---|
| S1 | - SINGLE POLE |
| S2 | - 2 GANG SWITCH, |
| S3 | - 3 GANG SWITCH, |
| | - PANELBOARD, MARKED AS "P" |
| | - Ckt. BREAKER, RATING AS INDICATED |
| | - DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE 15 AMPS, 240 VOLT |
| | - CIRCUIT HOMERUN |
| | - KWH METER |
| | - SERVICE ENTRANCE |
| | - AGU |

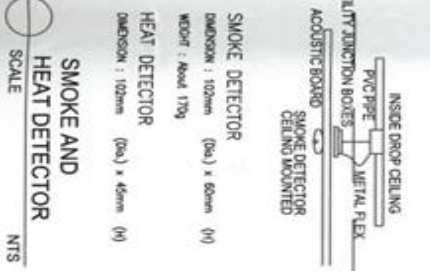
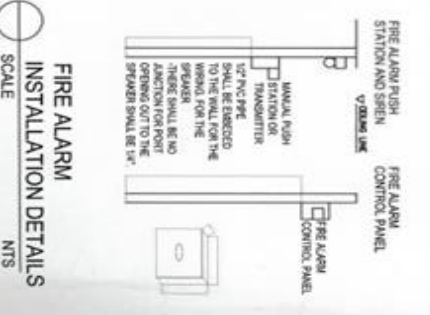
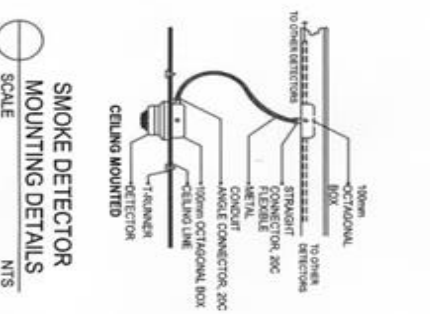


| | | | | | | | | | |
|--|---|--|---|---|--|---|---|----------------------------|------------------|
| | Prepared by ENGR. ALDE E. MALUTE Type of Project | Reviewed by ENGR. RAYMOND LIBARRA Type of Project | Checked by ENGR. RAYMOND LIBARRA Type of Project | Confirmed by ENGR. RAYMOND LIBARRA Type of Project | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL SHEILA S. YUVA DR. ENG. IN ELECTRICAL | APPROVED BY LEONARDO C. REYNOSO, CESO III REGIONAL DIRECTOR | SHEET CONTENTS AS SHOWN | SHEET NO. E-4 |
| | Prepared on October 10, 2023 | Reviewed on October 10, 2023 | Checked on October 10, 2023 | Confirmed on October 10, 2023 | LOCATION FROM PUBLISHED MAPS OR RECORD | | DEPARTMENT OF SOCIAL WELFARE AND DEVELOPMENT | | |



LEGEND

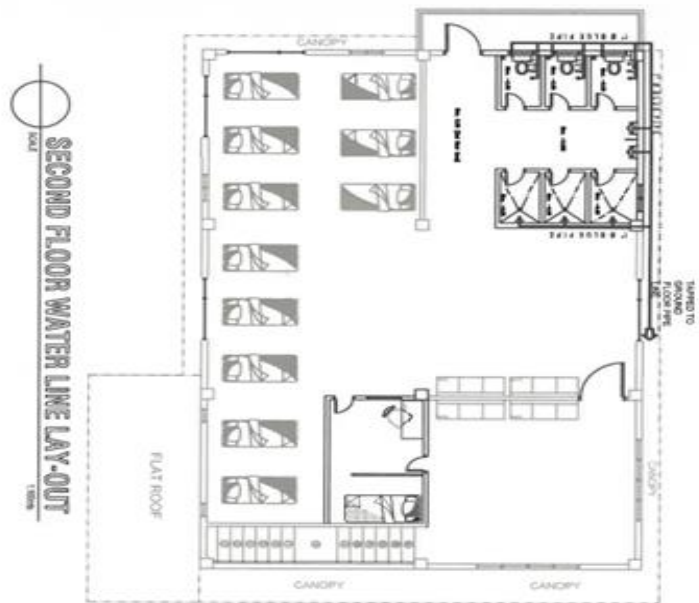
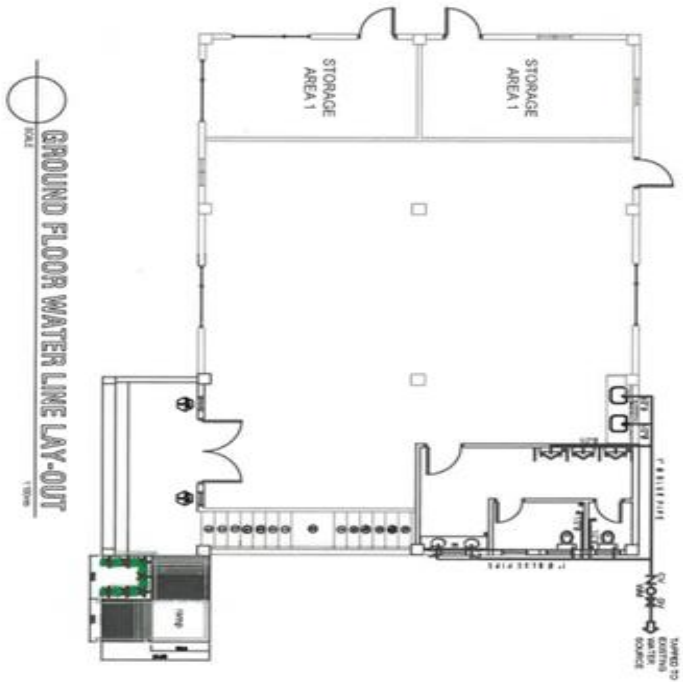
| | |
|--|---|
| | ELECTRONIC FIRE ALARM SYSTEM |
| | FIRE CONTROL PANEL WITH ZONE OR NO ZONE DETECTION |
| | FIRE BELL |
| | FIRE HORN |
| | FIRE ALARM SPEAKER |
| | ELECTRONIC STROBE LIGHT |
| | HEAT DETECTOR |
| | SMOKE DETECTOR |
| | HEAT DETECTOR |
| | FIRE ALARM PUSH STATION |
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM PUSH STATION AND Siren |
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM PUSH STATION AND Siren |
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM PUSH STATION AND Siren |
| | FIRE ALARM CONTROL PANEL |








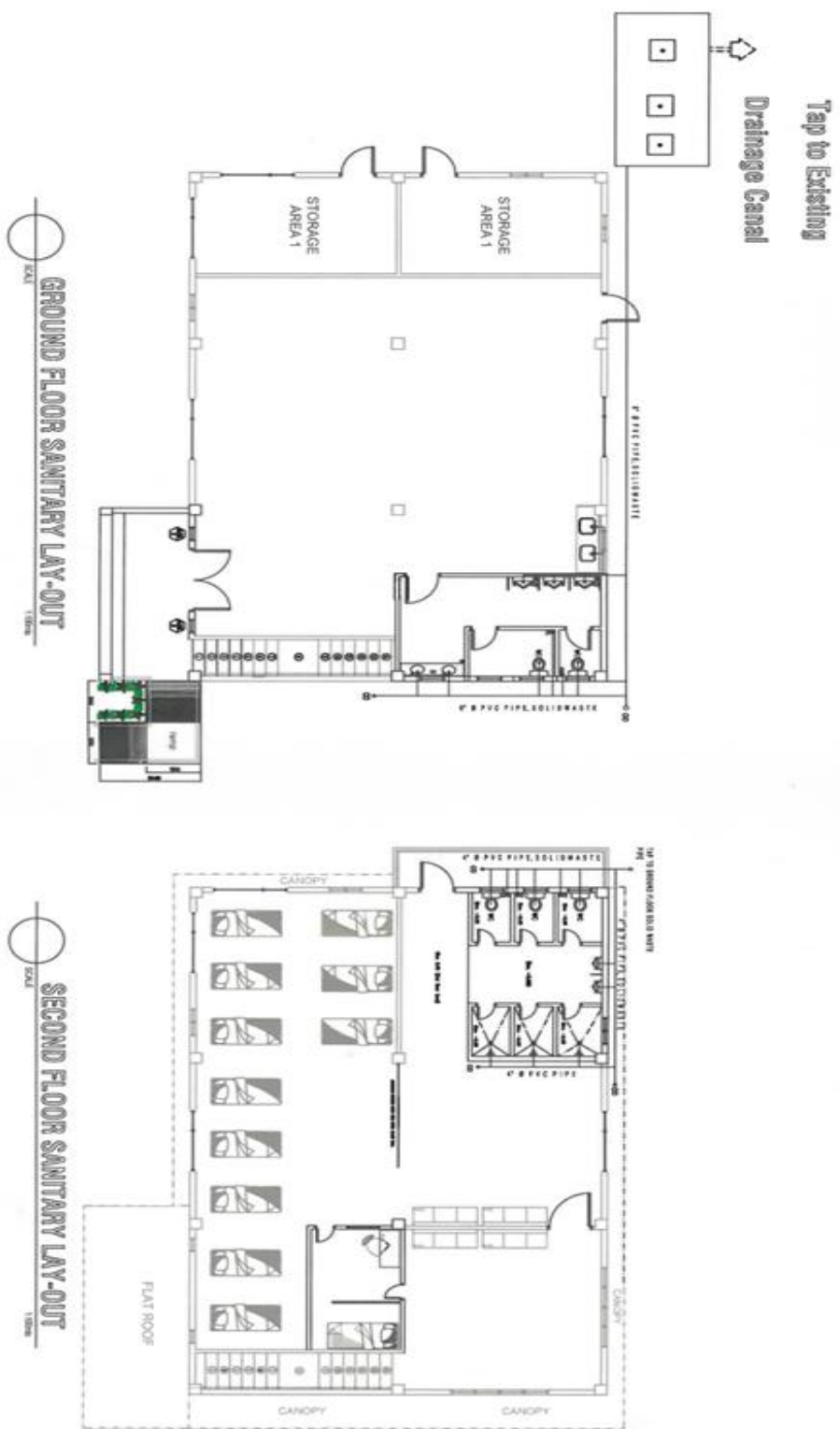
LEGEND





| | |
|--|---|
| | ELECTRONIC FIRE ALARM SYSTEM |
| | FIRE CONTROL PANEL WITH ZONE OR NO ZONE DETECTION |
| | FIRE BELL |
| | FIRE HORN |
| | FIRE ALARM SPEAKER |
| | ELECTRONIC STROBE LIGHT |
| | HEAT DETECTOR |
| | SMOKE DETECTOR |
| | HEAT DETECTOR |
| | FIRE ALARM PUSH STATION |
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM PUSH STATION AND Siren |
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM PUSH STATION AND Siren |
| | FIRE ALARM CONTROL PANEL |

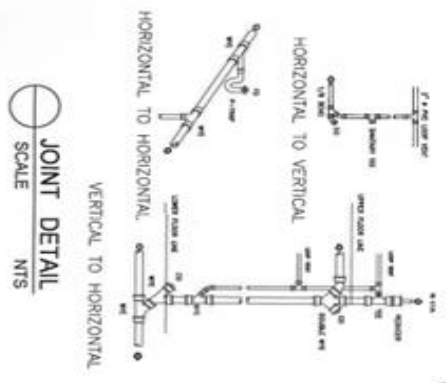
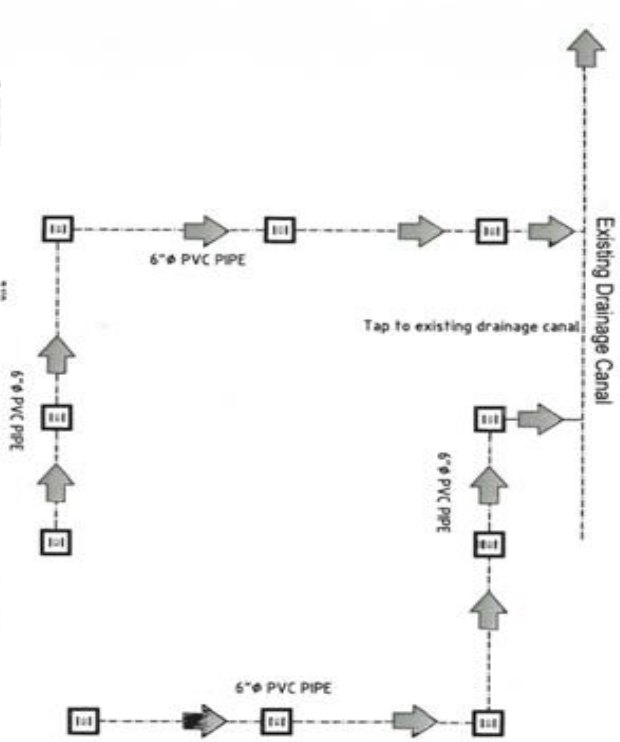
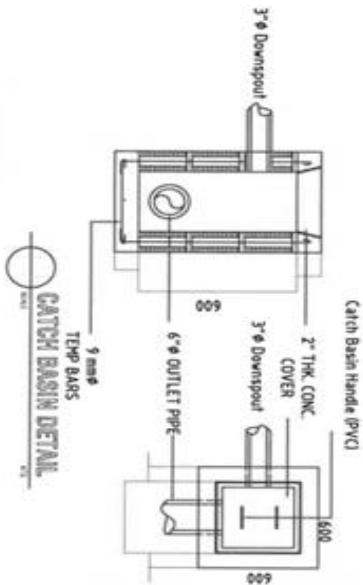
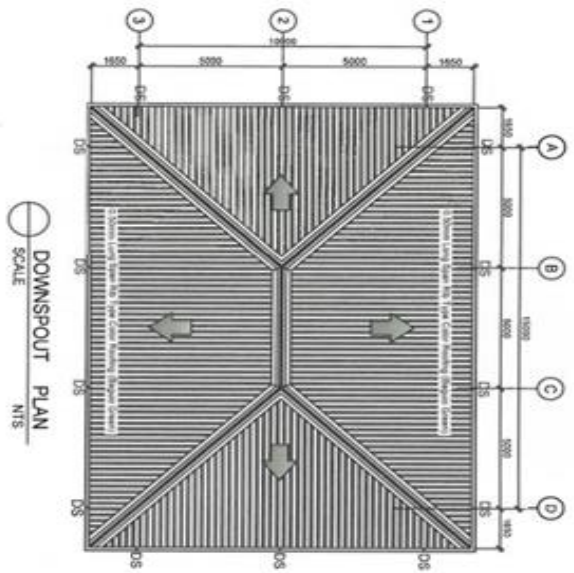
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|------------------------------------|---|---|---------------------------------|--|-----------------------------|----------------------|
| PREPARED BY: ENGR. ALDIE SUALTE | RECOMMENDING APPROVAL: PRINCESS T. WALDRON | PROJECT TITLE: CONSTRUCTION OF COTTAGE 3 | CONFERRED BY: BENCO GONZALES | APPROVED BY: LEONARDO C. RETNOSO, CESP II | SHEET CONTENTS: AS SHOWN | SHEET NO. M-1 |
| DATE OF DESIGN | DATE OF REVIEW | DATE OF MODIFICATION | DATE OF MODIFICATION | DATE OF MODIFICATION | DATE OF MODIFICATION | DATE OF MODIFICATION |




| | | | | | | | | |
|---|----------------------------|--|--|--|---|--|--|-----------------------------------|
|  | | Prepared by  ENGR. ALDRE MALATE <small>Engr. R.C.</small> | Reviewed by  ENGR. ESTELINDA LIBAROLA <small>Engr. R.C.</small> | Checked by  ENGR. ERNEST MOLLANO <small>Engr. R.C.</small> | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 <small>LOCATION: WEST TRENCHING AREA, IN WAGON</small> | RECOMMENDING APPROVAL  SHEILA S. TAPIA <small>Engr. R.C.</small> | APPROVED BY  LEONARDO C. GENOSO, JR. <small>Engr. R.C.</small> | SHEET CONTENTS SHEET NO. |
| <small>PREP. NO. CHECKED BY</small> | <small>DESIGNED BY</small> | <small>REVISIONS BY</small> | <small>PROJECT NO.</small> | <small>DATE</small> | | | | P-1 |



| | | | | | | | | |
|---|--|--|--|---|--|---|-----------------------------------|-------------------------|
|  | Prepared by  ENGR. KOFI MULATE <small>Engr. (Water Engineering)</small> | Reviewed by  ENGR. EKWANDISO LIBESHA <small>Engr. (Water Engineering)</small> | Checked by  PRINCES T. VOKOLO <small>Engr. (Water Engineering)</small> | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL  SHEILA S. TAPA <small>DR. (ARCHITECTURE)</small> | APPROVED BY  LEONARDO C. RETSEMA <small>REGIONAL DIRECTOR</small> <small>DEPARTMENT OF WATER AND SANITATION, EASTERN CAPE</small> | SHEET CONTENTS AS SHOWN | SHEET NO. P-2 |
| | <small>PROJECT NUMBER</small> <small>DATE OF DESIGN</small> <small>NAME OF CONSULTANT</small> <small>SCALE</small> | <small>PROJECT NO.</small> <small>DATE OF DESIGN</small> <small>SCALE</small> | <small>PROJECT NO.</small> <small>DATE OF DESIGN</small> <small>SCALE</small> | <small>PROJECT NO.</small> <small>DATE OF DESIGN</small> <small>SCALE</small> | <small>LOCATION AND ADDRESS OF THE PROJECT</small> | <small>DATE OF APPROVAL</small> | <small>DATE OF APPROVAL</small> | |



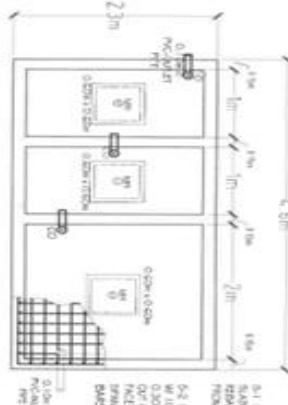
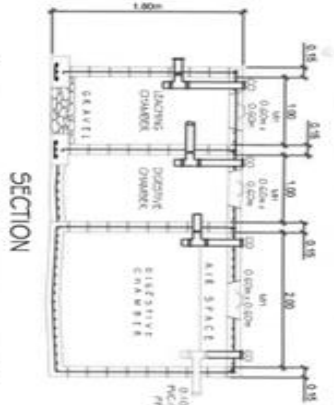
| | | | | | | | | |
|---|--|---|--|--|--|---|-------------------------------------|-------------------------|
|  | Prepared by ENGR. ALDOLE SUAREZ <small>Engineer</small> | Reviewed by ENGR. SANDRINO LABRERA <small>Project Supervisor (Civil & Environmental)</small> | Checked by INGENIERO T. VARGAS <small>Senior Civil Engineer</small> | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 <small>LOCATION: BARRIO TIBURON, BARCELONA, PUERTO RICO</small> | RECOMMENDING APPROVAL SHEILA T. TAPIA <small>DC - Civil Engineering</small> | APPROVED BY LEONARDO C. RIVERA, CESO III <small>REGIONAL DIRECTOR</small> <small>DEPARTMENT OF PUBLIC WORKS AND ENGINEERING</small> | SHEET CONTENTS AS SHOWN | SHEET NO. P-3 |
| | <small>PROJ. NO. 170000</small> | <small>ISSUED BY / REVISION</small> | <small>ISSUED BY / REVISION</small> | <small>ISSUED BY / REVISION</small> | <small>ISSUED BY / REVISION</small> | <small>ISSUED BY / REVISION</small> | <small>ISSUED BY / REVISION</small> | |

PLUMBING NOTES:

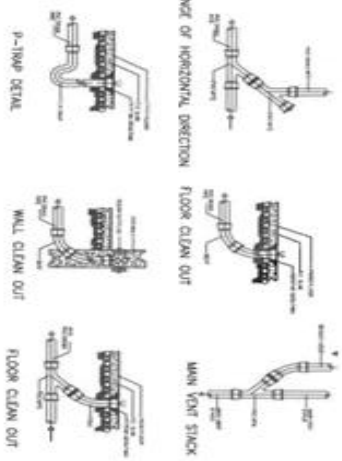
- GRADES OF HORIZONTAL PIPINGS RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT (2%)
- CHANGE IN DIRECTION
ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FORTY-FIVE DEGREES (45°) WYES, LONG SWEEP QUARTER BEND, SIXTH-EIGHT OR SIXTEEN BEND, WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL, A SINGLE 1/8 BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE, TEE AND CROSSES MAYBE USED IN BENT PIPES.
- PROHIBITED FITTINGS
NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL, SOIL AND WASTE LINES, THE DRILLINGS AND TAPPING OF HOUSE DRAIN, WASTE OR VENT PIPES AND USED OF SMOKE HUB AND BEND ARE PROHIBITED.
- PIPE CLEAN-OUTS
CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
a) EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY THIRANO ONE-HALF DEGREES (22 1/2°).
b) ONE-HALF AND ONE-HALF METERS (1.50m.) INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAINAGE CONNECTION.
c) EVERY FIFTEEN METERS (15.00m) IN HORIZONTAL RUN OF PIPES.
d) AT THE END OF ANY HORIZONTAL PIPE LINES.
5. THE DIGESTION CHAMBER OF SEPTIC TANK MUST BE WATERPROOFED.
6. NOT LESS THAN 0.30 METER OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF VAULT ROOF SLAB.
7. NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.
8. ALL PLUMBING WORKS SHALL BE UNDER THE SUPERVISION OF A LICENSED MASTER PLUMBER AND A LICENSED PLUMBING CONTRACTOR.

LEGEND:


| | | | |
|--------|--|---------|--|
| CB | CATCH BASIN | PVCOS | POLYVINYL CHLORIDE VENT. STACK |
| CDP | CONCRETE DRAIN PIPE | PVC/R/W | POLYVINYL CHLORIDE VENT. THROUGH ROOF/WALL |
| CO | CLEAN OUT | PVC/W | POLYVINYL CHLORIDE WASTE PIPE |
| CV | CHECK VALVE | PVC/W | POLYVINYL CHLORIDE WASTE STACK |
| HB | HOSE BBB | RD | ROOF DRAIN |
| FD | FLOOR DRAIN | UD | URINAL DRAIN |
| GICM | GALVANIZED IRON COLD WATER LINE (SCH. 40) | WC | WATER CLOSET |
| GCWR | GALVANIZED IRON COLD WATER RISER (SCH. 40) | LAV | LAVATORY |
| CV | GATE VALVE | CS | COUNTER SINK |
| MH | MANHOLE | | |
| PVCOS | POLYVINYL CHLORIDE DOWNSPOUT | | |
| PVCSP | POLYVINYL CHLORIDE DRAIN PIPE | | |
| PVCSP | POLYVINYL CHLORIDE SOIL PIPE | | |
| PVCWAC | POLYVINYL CHLORIDE VENT. ACROSS CEILING | | |
| PVCOP | POLYVINYL CHLORIDE VENT. PIPE | | |

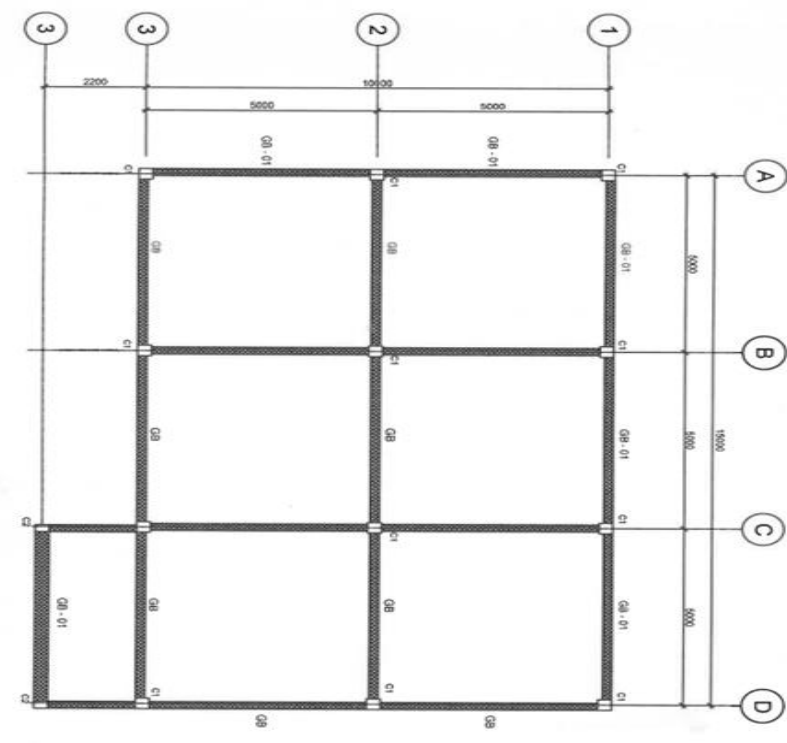
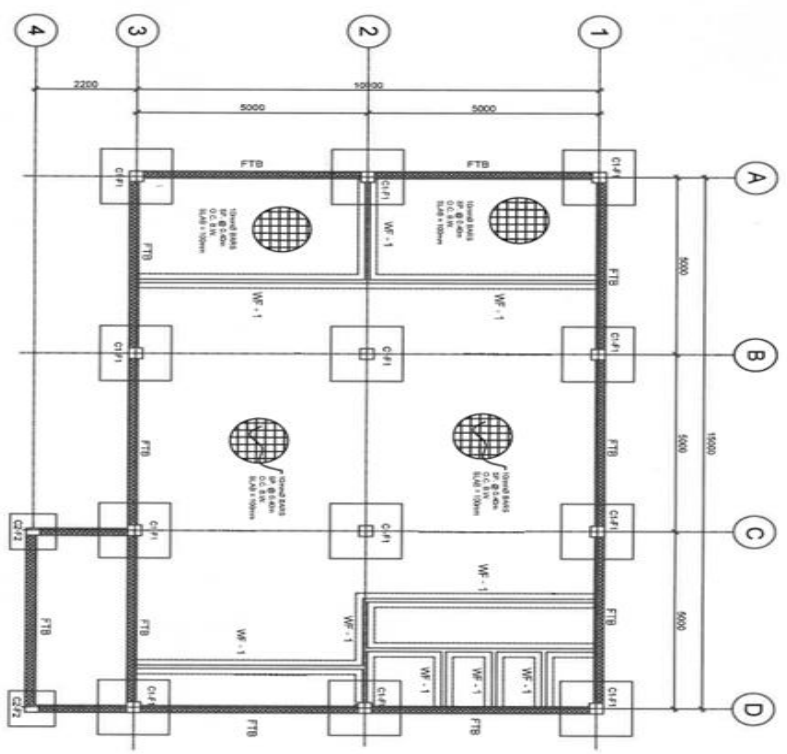








SEPTIC TANK DETAILS
SCALE: N.T.S.



STANDARD PIPE FITTINGS
SCALE: N.T.S.

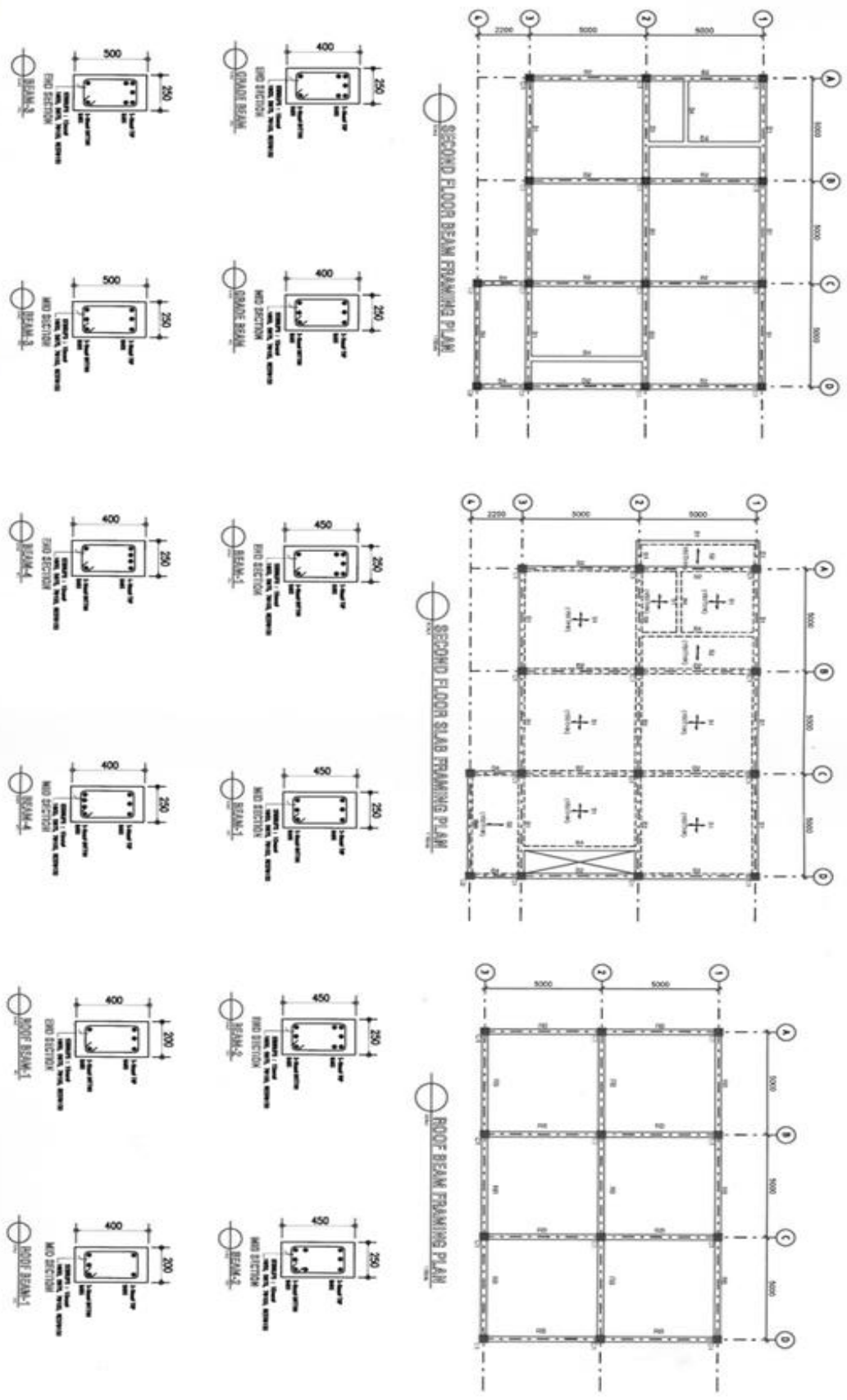
| | | | | | | | | |
|---|--|--|--|--|---|--|----------------------------|------------------|
|  | Prepared by THOMAS ALOE E. MALATE Engineer | Reviewed by ENGR. RAFAEL O. LIBARRA Registered Professional Engineer | Checked by PRINCESS T. VAGUIDA Drafting Engineer | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | RECOMMENDING APPROVAL SHEILA S. TAPA OR AS BY PROVISION | APPROVED EDUARDO C. BERNARDO, CESO III REGISTERED ENGINEER | SHEET CONTENTS AS SHOWN | SHEET NO. P-4 |
|---|--|--|--|--|---|--|----------------------------|------------------|

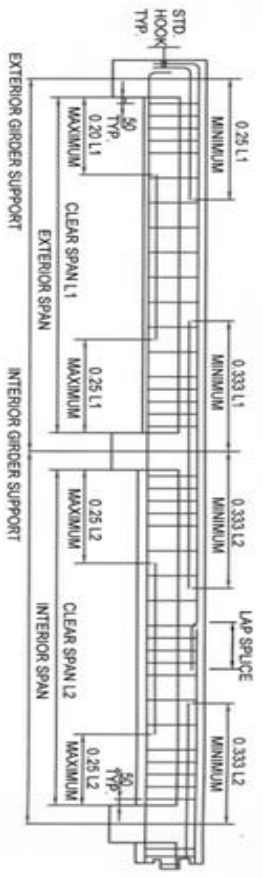


| | | | | | | | | |
|---|--|--|--|---|--|---|----------------|------------|
|  | Prepared by: | Reviewed by: | Checked by: | PROJECT TITLE | RECOMMENDING APPROVAL | APPROVED BY: | SHEET CONTENTS | SHEET NO. |
| |  ENGR. ALDRE MALATE <small>Engr. in Charge</small> |  ENGR. RAMON LIBARDA <small>Project Supervisor</small> |  PRINCESS T. MAGLANO <small>Site Engineer</small> | CONSTRUCTION OF COTTAGE 3 <small>LOCATION: BRP, PANDOCAN BARANGAY, MALABO</small> |  SHEILA TAPA <small>DC AREA SUPERVISOR</small> |  LEONARDO C. REMONDO, CESO III <small>REGIONAL DIRECTOR</small> | AS SHOWN | S-1 |



| | | | | | | | |
|--|--|---|--|--|--|----------------------------|------------------|
| Prepared by: <i>[Signature]</i> ENGR. ALDE E. MALATE | Reviewed by: <i>[Signature]</i> ENGR. RAYVINO LIMARA | Checked by: <i>[Signature]</i> PROFESSOR VICTORIANO | PROJECT TITLE CONSTRUCTION OF COTTAGE 1 | RECOMMENDING APPROVAL SHEILA S. TAPA OF LADY'S DISPOSITION | APPROVED BY: <i>[Signature]</i> LEONARDO C. BERNOSO, CESO III MANAGING DIRECTOR | SHEET CONTENTS AS SHOWN | SHEET NO. S-2 |
|--|--|---|--|--|--|----------------------------|------------------|





TYPICAL BAR DETAILS FOR BEAMS

BEAM SCHEDULE LEVEL 1, 10m

| BEAM NUMBERS | SIZE | BOTTOM REINFORCEMENT | | | TOP REINFORCEMENT | | | BEAM STEELING | | SFR | DIAGONAL | REMARKS |
|--------------|------|----------------------|---------|-------|-------------------|---------|-------|---------------|---------|-----|----------|---------|
| | | LEFT | MD SPAN | RIGHT | LEFT | MD SPAN | RIGHT | LEFT | MD SPAN | | | |
| B | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |
| D | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |

BEAM SCHEDULE LEVEL 4, 8m

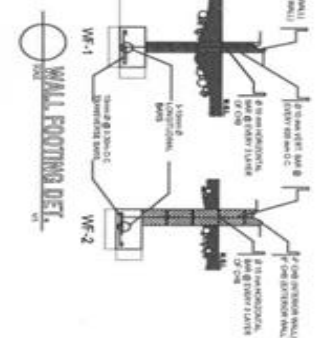
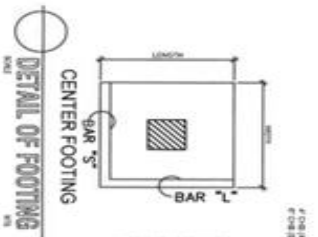
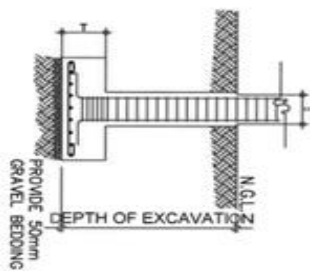
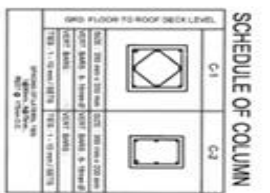
| BEAM NUMBERS | SIZE | BOTTOM REINFORCEMENT | | | TOP REINFORCEMENT | | | BEAM STEELING | | SFR | DIAGONAL | REMARKS |
|--------------|------|----------------------|---------|-------|-------------------|---------|-------|---------------|---------|-----|----------|---------|
| | | LEFT | MD SPAN | RIGHT | LEFT | MD SPAN | RIGHT | LEFT | MD SPAN | | | |
| B1 | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |
| B2 | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |
| B3 | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |
| B4 | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |

BEAM SCHEDULE LEVEL 3, 8m

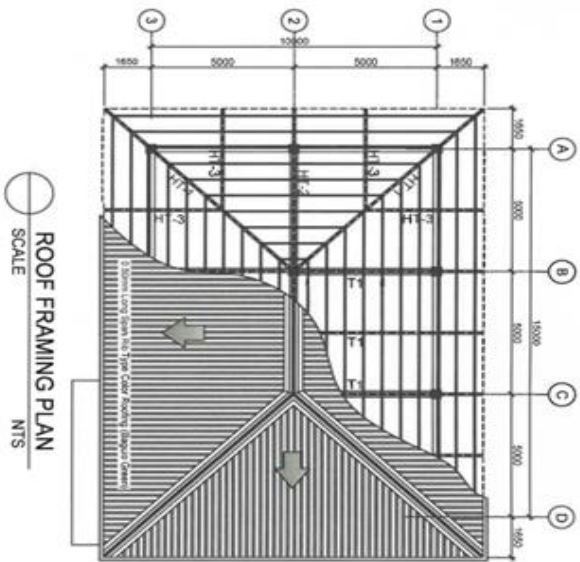
| BEAM NUMBERS | SIZE | BOTTOM REINFORCEMENT | | | TOP REINFORCEMENT | | | BEAM STEELING | | SFR | DIAGONAL | REMARKS |
|--------------|------|----------------------|---------|-------|-------------------|---------|-------|---------------|---------|-----|----------|---------|
| | | LEFT | MD SPAN | RIGHT | LEFT | MD SPAN | RIGHT | LEFT | MD SPAN | | | |
| B1 | D | 2-100 | 2-100 | 2-100 | 5-100 | 3-100 | 5-100 | 4D10 | 4D10 | | | |

SCHEDULE OF FOOTINGS

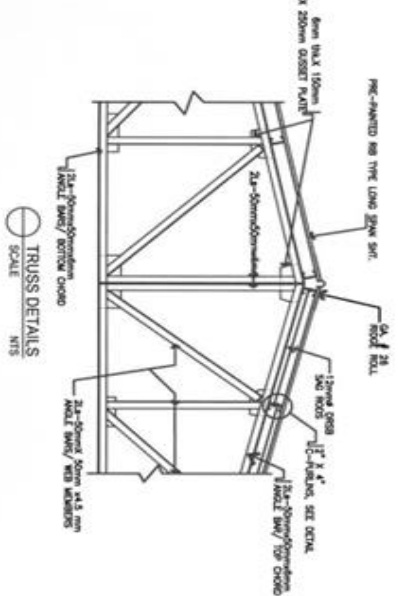
| MARK | THK (mm) | SIZE (m) | | BOTTOM BARS | | DEPTH OF EXCAVATION |
|------|----------|----------|--------|-------------|------------|---------------------|
| | | WIDTH | LENGTH | BAR 'S' | BAR 'L' | |
| F-1 | 400 | 1.55 | 1.55 | 10 - 16mmØ | 10 - 16mmØ | 1200 |
| F-1 | 400 | 1.00 | 1.00 | 7 - 16mmØ | 7 - 16mmØ | 1200 |



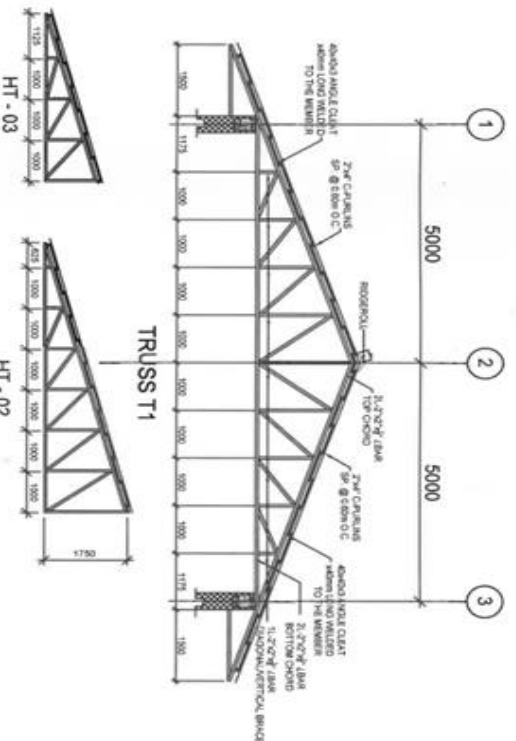
| | | | | | | | | |
|--|---|--|--|--|---------------------------|---|--|-----------|
| | Prepared by | Reviewed by | Checked by | Project Title | Recommending Approval | Approved by | Sheet Contents | Sheet No. |
| | ENGR. ALDEN E. MUALATE <small>Professional Engineer No. 10101</small> | ENGR. IVAN PINEDA LIBARNA <small>Professional Engineer No. 10101</small> | ENGR. PRINCESS V. MAGDANO <small>Professional Engineer No. 10101</small> | ENGR. LEONARDO C. REMODO, CEO III <small>Regional Director</small> | CONSTRUCTION OF COTTAGE 3 | SHEILA S. TAVA <small>DC, Lic. in Engineering</small> | ENGR. LEONARDO C. REMODO, CEO III <small>Regional Director</small> | AS SHOWN |



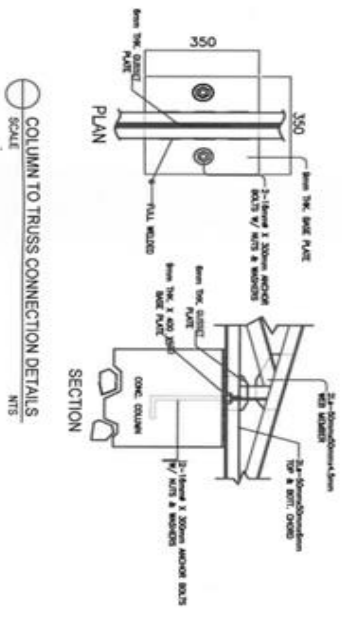
ROOF FRAMING PLAN
SCALE
NTS



TRUSS DETAILS
SCALE
NTS



TRUSS DETAILS
SCALE
NTS

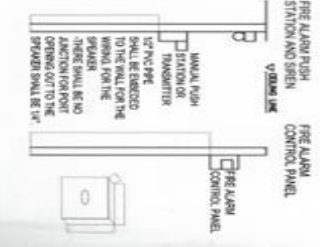
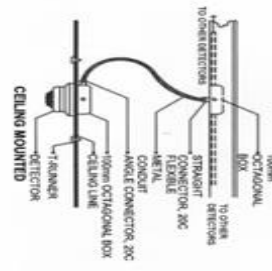
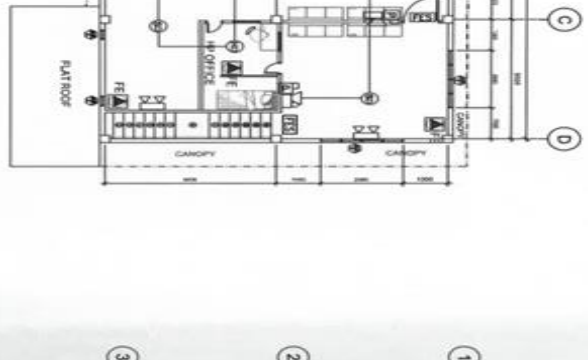
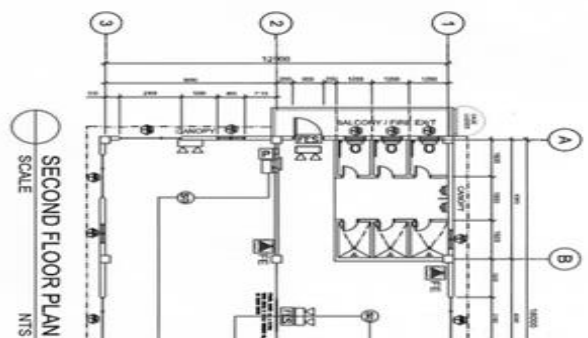


COLUMN TO TRUSS CONNECTION DETAILS
SCALE
NTS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. ALL JOINTS SHALL BE FULLY WELDED.
3. ALL TOP AND BOTTOM CHORD MEMBERS SHALL BE ANGLE 2L - 75x75 114.
4. ALL VERTICAL AND DIAGONAL MEMBERS SHALL BE ANGLE 1L - 75x75 114 UNLESS OTHERWISE SPECIFIED.
5. PROVIDE ANGLE E BRACKETS 75x LATERAL CROSS BRACKETS BETWEEN TRUSSES.
6. PROVIDE 2x4" C-PURLINS WITH THK. OF 1.5mm.
7. THE BUILDER SHALL VERIFY INDICATED TRUSS DIMENSIONS WITH ARCHITECTURAL ELEVATIONS/SECTIONS AS WELL AS ACTUAL FIELD MEASUREMENTS PRIOR TO FABRICATION/DIRECTION OF STEEL TRUSSES.

| | | | | | | | | | | | | | | | | | |
|------|-------|---|-------|---|-------|---|-------|--|-------|--|-------|--|-------|----------------------------|-------|-------------------------|-------|
| | | Prepared by PHILIP LOPE E. MUALTE Engineer | | Reviewed by CHARIT BENTAMIN LIMBANA Project Designer | | Checked by PRINCESS WAGZANO Project Designer | | PROJECT TITLE CONSTRUCTION OF COTTAGE 3 | | RECOMMENDING APPROVAL BRELA J. TOLA Architect | | APPROVED BY LEONARDO C. BENDIGO CESOI Architect | | SHEET CONTENTS AS SHOWN | | SHEET NO. S-4 | |
| DATE | SCALE | DATE | SCALE | DATE | SCALE | DATE | SCALE | DATE | SCALE | DATE | SCALE | DATE | SCALE | DATE | SCALE | DATE | SCALE |



SMOKE DETECTOR MOUNTING DETAILS
SCALE NTS

FIRE ALARM INSTALLATION DETAILS
SCALE NTS

SMOKE AND HEAT DETECTOR
SCALE NTS

LEGEND

| | |
|--|-------------------------------|
| | ELECTRONIC FIRE ALARM SYSTEM |
| | FIRE CONTROL PANEL WITH Siren |
| | FIRE STATION |
| | FIRE SIREN |
| | FIRE ALARM BELL |
| | SMOKE DETECTOR |
| | HEAT DETECTOR |
| | FIRE ALARM STATION |
| | FIRE EXTINGUISHER |
| | FIRE DOOR |
| | FIRE ESCAPE |
| | FIRE ALARM BELL |
| | FIRE ALARM BELL |
| | FIRE ALARM BELL |
| | FIRE ALARM BELL |
| | FIRE ALARM BELL |

| | | | |
|--|---|--|---|
| PREPARED BY: ENGR. ALDOE W. ALATE | RECOMMENDING APPROVAL: PRINCESS I. VANGUARD | PROJECT TITLE: CONSTRUCTION OF COTTAGE 3 | CONFERRED BY: ENGR. ANALYTICS |
| DESIGNED BY: | CHECKED BY: | DATE: | SCALE: |
| APPROVED BY: LEONARDO C. BERNALDO, CEO III | | SHEET CONTENTS: | SHEET NO.: |
| | | AS SHOWN | M-1 |

Section VIII. Bill of Quantities

BILL OF QUANTITIES

| | |
|---------------------|---|
| Name of Project: | CONSTRUCTION OF COTTAGE 3 |
| Location: | BRY. BANSUD , POBLACION, ORIENTAL MINDORO |
| Contract Duration : | 180 CALENDAR DAYS |

| Item No. | Item Description | Quantity | Unit | Unit Cost | Amount |
|---------------------------|---|-----------|------|-----------|--------------|
| I | MOBILIZATION | 1.00 | lot | | |
| II | INSTALLATION OF TEMPORARY FACILITY | 323.60 | sqm | | |
| III | SITE CLEARING , LAYOUT AND STAKING | 273.60 | sqm | | |
| IV | EXCAVATION WORKS | 82.84 | cum | | |
| V | EMBANKMENT & GRAVEL BEDDING | 47.00 | cum | | |
| VI | FORMWORKS AND SCAFFOLDING | 444.52 | sqm | | |
| VII | CONCRETING WORKS | 104.56 | cum | | |
| VIII | REINFORCING STEEL BARS | 11,440.20 | kgs | | |
| IX | MASONRY WORKS | 431.27 | sqm | | |
| X | ROOF FRAMING WORKS | 267.73 | sqm | | |
| XI | TINSMITHRY WORKS | 267.73 | sqm | | |
| XII | DOORS AND WINDOWS | 74.89 | sqm | | |
| XIII | TILE WORKS | 439.72 | sqm | | |
| XIV | CARPENTRY WORKS | 393.39 | sqm | | |
| XV | PAINTING WORKS | 1,162.54 | sqm | | |
| XVI | ELECTRICAL WORKS | 1.00 | lot | | |
| XVII | PLUMBING WORKS | 1.00 | lot | | |
| XVIII | RAILINGS AND CAGE LADDER | 1.00 | lot | | |
| XIX | FIRE AND DETECTION ALARM SYSTEM (FDAS) | 1.00 | lot | | |
| SPL-1 | FACILITIES / AMENITIES | 1.00 | lot | | |
| SPL-2 | STONE WORKS | 72.00 | sqm | | |
| SPL-3 | PERIMETER PATHWALK W/ PLANTBOX | 90.00 | sqm | | |
| TOTAL PROJECT COST | | | | | |
| A | Total Direct Cost (Material, Labor and Equipment) | | | | - |
| B | Supervising Engineer | | | | |
| C | Permits, Licenses , Professional Fees, As-built Plans | | | | |
| D | Electric Bill | | | | |
| F | Material Testing | | | | |
| G | Construction Safety and PPE's | | | | |
| H | Contractor Profit (8% of DC) | | | | |
| I | OCM (12 % of DC) | | | | |
| J | Tax (5 % of DC) | 69 | | | |
| TOTAL PROJECT COST | | | | | PHP - |

Submitted by:

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____



GENERAL SERVICES SECTION

FIELD OFFICE MIMAROPA

DSWD-AS-GF-035 | REV 02 | 07
OCT 2022

BILL OF QUANTITIES

| Name of Project: | | CONSTRUCTION OF COTTAGE 3 | | Location : | | Brgy. Poblacion, Bansud, Oriental Mindoro | |
|---|---|----------------------------------|------------|-------------------|-----------|--|--|
| Total Approved Budget for the Contract: | | Php 11,000,000.00 | | Project Duration: | | 180 Calendar Days | |
| Item No. | Item Description | Quantity | Unit | Crew | Unit Cost | Amount | |
| I | MOBILIZATION | 1.00 | lot | | | | |
| | MOBILIZATION | 1.00 | lot | | | - | |
| SUB - TOTAL (MOBILIZATION) | | | | | | - | |
| II | INSTALLATION OF TEMPORARY FACILITY | 323.60 | sqm | | | | |
| | Temporary Safety Perimeter Fence | 273.60 | sqm | | | - | |
| | Temporary Storage Area & Barracks | 50.00 | sqm | | | - | |
| | | | | | | - | |
| SUB - TOTAL (INSTALLATION OF TEMPORARY FACILITY) | | | | | | - | |
| III | SITE CLEARING , LAYOUT AND STAKING | 273.60 | sqm | | | | |
| | Materials: | | | | | | |
| | 80 pcs - 2"x 3" x 10' coco lumber | 400.00 | bdf | | | - | |
| | 1/4 thk 4' x 8' Marine Plywood | 1.00 | pc | | | - | |
| | 3" CW Nails | 8.00 | kg | | | - | |
| | 4" CW Nails | 8.00 | kg | | | - | |
| | 1-1/2" CW Nails | 1.00 | kg | | | - | |
| | Nylon String | 6.00 | rolls | | | - | |
| | Level Hose 1/2" | 10.00 | meters | | | - | |
| | | | | | | - | |
| | Labor: | | | | | | |
| | Project Supervisor | 3.00 | days | 1.00 | | - | |
| | Skilled | 3.00 | days | 2.00 | | - | |
| | Helper | 3.00 | days | 6.00 | | - | |

| | | | | | | |
|---|--|---------------|------------|-------|--|---|
| | | | | | | - |
| SUB - TOTAL (SITE CLEARING , LAYOUT AND STAKING) | | | | | | - |
| IV | EXCAVATION WORKS | 82.84 | cum | | | |
| | Labor: | | | | | |
| | Project Supervisor | 12.00 | days | 1.00 | | - |
| | Helper | 12.00 | days | 10.00 | | - |
| | Disposal of excess excavated materials (Truck, Driver , Fuel , 3 Helper) - 6 cum per truckload @ 1 Truckload per day | 5.00 | truckload | 1.00 | | - |
| | | | | | | - |
| SUB - TOTAL (EXCAVATION WORKS) | | | | | | - |
| V | EMBANKMENT & GRAVEL BEDDING | 47.00 | cum | | | |
| | Materials: | | | | | |
| | Backfilling Materials | 33.00 | cum | | | - |
| | Gravel Bedding 3/4" | 14.00 | cum | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 6.00 | days | 1.00 | | - |
| | Helper | 6.00 | days | 8.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Mini Road Roller (for compaction) Equipment, Fuel, Operator | 6.00 | days | | | - |
| | | | | | | - |
| SUB - TOTAL (EMBANKMENT & GRAVEL BEDDING) | | | | | | - |
| VI | FORMWORKS AND SCAFFOLDING | 444.52 | sqm | | | |
| | Materials: | | | | | |
| | 2"x 2" x 10' Coco Lumber | 2,667.00 | bdft | | | - |
| | 2"x 3" x 12' Coco Lumber | 3,600.00 | bdft | | | - |
| | 1/2" thk x 4' x 8' Phenolic Board | 80.00 | pcs | | | - |
| | # 4 CWN | 75.00 | kgs. | | | - |
| | # 3 CWN | 50.00 | Kgs. | | | - |
| | # 2 CWN | 20.00 | kgs. | | | - |
| | # 1-1/2 CWN | 5.00 | Kgs. | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 12.00 | days | 1.00 | | - |
| | Skilled | 24.00 | days | 4.00 | | - |

| | | | | | | |
|--|-------------------------------|------------------|------------|-------|--|---|
| | Helper | 24.00 | days | 2.00 | | - |
| | | | | | | - |
| SUB - TOTAL (FORMWORKS AND SCAFFOLDING) | | | | | | - |
| VII | CONCRETING WORKS | 104.56 | cum | | | |
| | Materials: | | | | | |
| | Portland Cement | 942.00 | cum | | | - |
| | Sand | 53.00 | cum | | | - |
| | Gravel 3/4 | 105.00 | cum | | | - |
| | Plastic Drum (Blue) | 3.00 | pcs | | | - |
| | Metal Pail | 15.00 | pcs | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 30.00 | days | 1.00 | | - |
| | Skilled | 30.00 | days | 4.00 | | - |
| | Labor: | 30.00 | days | 10.00 | | - |
| | Helper (hauling) | 30.00 | days | 2.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Concrete Vibrator | 30.00 | days | 1.00 | | - |
| | One Bagger Mixer | 30.00 | days | 2.00 | | - |
| | | | | | | - |
| SUB - TOTAL (CONCRETING WORKS) | | | | | | - |
| VIII | REINFORCING STEEL BARS | 11,440.20 | kgs | | | |
| | Materials: | | | | | |
| | 16 mm steel bar | 550.00 | pcs | | | - |
| | 12 mm steel bar | 450.00 | pcs | | | - |
| | 10 mm steel bar | 1,036.00 | pcs | | | - |
| | # 16 GI Tie Wire | 175.00 | kgs. | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 36.00 | days | 1.00 | | - |
| | Skilled | 60.00 | days | 2.00 | | - |
| | Helper | 60.00 | days | 1.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Cut -Off Machine | 1.00 | unit | | | - |

| | | | | | | |
|---|--------------------------|---------------|------------|------|--|---|
| | | | | | | - |
| SUB - TOTAL (REINFORCING STEEL BARS) | | | | | | - |
| IX | MASONRY WORKS | 431.27 | sqm | | | |
| | Materials: 6" CHB | | | | | |
| | CHB Laying: | | | | | |
| | 6" CHB | 4,002.00 | pcs | | | - |
| | Portland Cement | 356.00 | bags | | | - |
| | Sand | 30.00 | cum | | | - |
| | 10 mm steel bar | 200.00 | pcs | | | - |
| | GI Tie Wire #16 | 8.00 | kg | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 12.00 | days | 1.00 | | - |
| | Skilled | 12.00 | days | 4.00 | | - |
| | Helper | 12.00 | days | 8.00 | | - |
| | | | | | | - |
| | Plastering: | | | | | |
| | Portland Cement | 154.00 | bags | | | - |
| | Sand | 13.00 | cum | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 10.00 | days | 1.00 | | - |
| | Skilled | 30.00 | days | 4.00 | | - |
| | Helper | 30.00 | days | 4.00 | | - |
| | | | | | | - |
| | Materials: 4" CHB | | | | | |
| | CHB Laying: | | | | | |
| | 4" CHB | 1,390.00 | pcs | | | - |
| | Portland Cement | 58.00 | bags | | | - |
| | Sand | 5.00 | cum | | | - |
| | 10 mm steel bar | 70.00 | pcs | | | - |
| | GI Tie Wire #16 | 3.00 | kg | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 8.00 | days | 1.00 | | - |
| | Skilled | 8.00 | days | 4.00 | | - |
| | Helper | 8.00 | days | 8.00 | | - |

| | | | | | | |
|------------------------------------|---|---------------|------------|------|--|---|
| | | | | | | - |
| | Plastering: | | | | | |
| | Portland Cement | 54.00 | bags | | | - |
| | Sand | 5.00 | cum | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 6.00 | days | 1.00 | | - |
| | Skilled | 14.00 | days | 4.00 | | - |
| | Helper | 14.00 | days | 4.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Scaffolding Pipe | 50.00 | pcs | | | - |
| | Clamp | 200.00 | pcs | | | - |
| | | | | | | - |
| SUB - TOTAL (MASONRY WORKS) | | | | | | - |
| X | ROOF FRAMING WORKS | 267.73 | sqm | | | |
| | Materials: | | | | | |
| | 2 x 2 x 1/4" Angle Bar (Top Chord , Bottom Chord , Web Members) | 145.00 | pcs | | | - |
| | 1-1/2 x 1-1/2 x 1/4" Angle Bar (Angle Cleat) | 2.00 | pcs | | | - |
| | 1 x 1 x 1/4" Angle Bar (fascia board frame) | 20.00 | pcs | | | - |
| | 1 x 1/4 flat bar (fascia board frame) | 6.00 | pcs | | | - |
| | 2 x 4 C-purlins | 45.00 | pcs | | | - |
| | 12 mm. dia. Sag rod | 20.00 | pcs | | | - |
| | Nuts and washers | 500.00 | pcs | | | - |
| | 6mm thk., 150mm x 250mm gusset plate | 100.00 | pcs | | | - |
| | Ficemboard 12 mm (fascia board) | 8.00 | pcs | | | - |
| | Epoxy Primer Gray | 4.00 | gal | | | - |
| | Paint Brush 2" | 5.00 | pcs | | | - |
| | Baby Roller | 10.00 | pcs | | | - |
| | Cutting Discs | 30.00 | pcs | | | - |
| | Welding Rod | 15.00 | box | | | - |
| | Hand Gloves (Rubber Palm Coated) | 10.00 | pairs | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 18.00 | days | 1.00 | | - |
| | Welder | 24.00 | days | 4.00 | | - |

| | | | | | | |
|---|--|---------------|------------|------|--|---|
| | Helper | 24.00 | days | 2.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Scaffolding | 1.00 | lot | 1.00 | | - |
| | Welding machine | 2.00 | units | 1.00 | | - |
| | | | | | | - |
| SUB - TOTAL (ROOF FRAMING WORKS) | | | | | | - |
| XI | TINSMITHRY WORKS | 267.73 | sqm | | | |
| | Materials: | | | | | |
| | Pre-painted Long Span Rib Type (0.5) | 268.00 | sqm | | | - |
| | Roof Insulation (50 meters /roll) | 4.00 | rolls | | | - |
| | Ridgeroll | 25.00 | pcs | | | - |
| | Spanish Gutter | 30.00 | pcs | | | - |
| | Tek screw 2-1/2 with rubber washer | 3,500.00 | pcs | | | - |
| | Drill Bit | 10.00 | pcs | | | - |
| | Blind Rivets 1/8 x 1/2 | 5.00 | box | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 12.00 | days | 1.00 | | - |
| | Skilled | 18.00 | days | 3.00 | | - |
| | Helper | 18.00 | days | 3.00 | | - |
| | | | | | | - |
| SUB - TOTAL (TINSMITHRY WORKS) | | | | | | - |
| XII | DOORS AND WINDOWS | 74.89 | sqm | | | |
| | Materials: | | | | | |
| | DOORS: | | | | | |
| | (D-1) Powder Coated White Aluminum Double Door w/ 6mm thk. Tempered glass in/out swing (2.0 m. x 2.10 m) | 1.00 | set | | | - |
| | (D-1) Panel Door 2m x 2.10 w/ 50cm x 50cm viewing glass in each door | 1.00 | set | | | - |
| | (D-2) Powder Coated White Aluminum Double Door w/ 6mm thk. Tempered glass in/out swing (1.0 m. x 2.10 m) | 1.00 | set | | | - |
| | (D-3) Panel Door w/ door jamb(0.90 x 2.10 m) varnish finish, with 3 pcs 3-1/2" x 3-1/2" loose pin hinges , with heavy stainless doorknob | 4.00 | set | | | - |

| | | | | | | |
|--|---|---------------|------------|--|--|---|
| | (D-4)Panel Door w/ door jamb (0.80 x 2.10 m) varnish finish, with 3 pcs 3-1/2" x 3-1/2" loose pin hinges , with heavy stainless doorknob | 3.00 | set | | | - |
| | (D-5)UPVC Door (0.70 x 2.10 m) with 3 pcs 3-1/2" x 3-1/2" loose pin hinges , with heavy stainless doorknob | 9.00 | set | | | - |
| | | | | | | - |
| | WINDOWS: | | | | | |
| | (W-1) Aluminum awning window w/ fixed window(1.80m x 1.95m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analok frame (window areas only), with integral grills 12 mm dia. Round bars @ 150mm O.C. | 8.00 | set | | | - |
| | (W-2) Aluminum awning window w/ fixed window(0.80m x 1.95m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analok frame (window areas only), with integral grills 12 mm dia. Round bars @ 150mm O.C. | 5.00 | set | | | - |
| | (W-3)Aluminum awning window w/ fixed window(0.40m x 1.95m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analok frame (window areas only), with integral grills 12 mm dia. Round bars @ 150mm O.C. | 4.00 | set | | | - |
| | (W-4)Aluminum awning window w/ fixed window(0.40m x 0.40m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analok frame (window areas only), with integral grills 12 mm dia. Round bars @ 150mm O.C. | 8.00 | set | | | - |
| | (W-5)Aluminum awning window w/ fixed window(0.40m x 1.60m), 6.0 mm thk. Bronze tint, hooven y.c. / tubular "y" section, powder coated with lockset and handle, aluminum insect screen in analok frame (window areas only), with integral grills 12 mm dia. Round bars @ 150mm O.C. (2 lunits at 2nd floor inner wall) | 5.00 | set | | | - |
| | (W-6) Aluminum Sliding Window, Powder Coated White, 6 mm thk. Clear Glass (1.20m x 1.2m) | 2.00 | set | | | - |
| | | | | | | - |
| SUB - TOTAL (DOORS AND WINDOWS) | | | | | | - |
| XIII | TILE WORKS | 439.72 | sqm | | | |

| | | | | | | |
|---------------------------------|--|---------------|------------|------|--|---|
| | Materials: | | | | | |
| | Porcelain Tiles 60cm x 60cm | 1,300.00 | bags | | | - |
| | Tile Adhesive | 60.00 | bags | | | - |
| | Tile Grout, 2kg | 10.00 | bags | | | - |
| | Diamond Cutting Disc | 10.00 | pcs | | | - |
| | Concrete Nail 1" | 1.00 | kg | | | - |
| | Tansi | 3.00 | rolls | | | - |
| | | | | | | - |
| | Handwashing Area: (2 Units @ Dining Area and CR) | | | | | |
| | Length: 1.8 m, Width: 50cm , Height: 85 cm. | | | | | |
| | Splash Board Height : 15cm | | | | | |
| | Perimeter Board : 15 cm | | | | | |
| | | | | | | |
| | Granite Tiles | 3.20 | sqm | | | - |
| | Tile Adhesive | 1.00 | bag | | | - |
| | Tile Grout | 1.00 | bag | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 12.00 | days | 1.00 | | - |
| | Skilled | 24.00 | days | 3.00 | | - |
| | Helper | 24.00 | days | 3.00 | | - |
| | | | | | | - |
| SUB - TOTAL (TILE WORKS) | | | | | | - |
| XIV | CARPENTRY WORKS | 393.39 | sqm | | | |
| | Materials: | | | | | |
| | Prepainted GI Spandrel Ceiling (4" width) with wall angle, end moulding and 12 units ventilation at roof eaves (for outer ceiling) | 90.00 | sqm | | | - |
| | Inner Ceiling: (1st Floor and 2nd Floor) | | | | | |
| | Ficemboard 4.5mm | 105.00 | pcs | | | - |
| | Wall Angle 1"x1"x3m | 50.00 | pcs | | | - |
| | Carrying Channel 12mm x 38mm x 5m | 80.00 | pcs | | | - |
| | Metal furring | 170.00 | pcs | | | - |
| | Double Furring Clip | 1,600.00 | pcs | | | - |
| | Concrete Nail 1" | 2.00 | kg | | | - |
| | Hardi Screw 3/4" | 5,250.00 | pcs | | | - |
| | Pan Head Screw | 300.00 | pcs | | | - |

| | | | | | | |
|--------------------------------------|--|-----------------|------------|------|--|---|
| | Drill bit | 10.00 | pcs | | | - |
| | Cornesa 1" x 3m. | 45.00 | pcs | | | - |
| | Baseboard 1" x 4" x 3m. | 45.00 | pcs | | | - |
| | Assorted CWN | 5.00 | kg | | | - |
| | Cabinet for Handwashing: (2 units) | | | | | |
| | Marine Plywood 3/4" | 2.00 | pcs | | | - |
| | Concrete Nail 1" | 1.00 | kg | | | - |
| | Hinges | 12.00 | pcs | | | - |
| | Cabinet Handle Stainless | 4.00 | pcs | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 12.00 | days | 1.00 | | - |
| | Skilled | 24.00 | days | 2.00 | | - |
| | Helper | 24.00 | days | 2.00 | | - |
| | | | | | | - |
| SUB - TOTAL (CARPENTRY WORKS) | | | | | | - |
| XV | PAINTING WORKS | 1,162.54 | sqm | | | |
| | Materials: | | | | | |
| | Neutralizer | 12.00 | gal | | | - |
| | Skim Coat | 86.00 | bags | | | - |
| | Flat Latex Paint | 15.00 | tin | | | - |
| | Semi Gloss Plaint | 24.00 | tin | | | - |
| | Acri Color | 2.00 | liter | | | - |
| | Gasa Tape | 15.00 | pcs | | | - |
| | Chocolate Brown Paint | 4.00 | gal | | | - |
| | Flat Wall Enamel | 1.00 | gal | | | - |
| | Quick Drying Enamel | 1.00 | gal | | | - |
| | Lacquer Thinner | 2.00 | gal | | | - |
| | Paint Thinner | 2.00 | gal | | | - |
| | Paint Accessories (Paint Brush, Paint Rollers, Sand Papers, Paint Trays, Masking Tapes, News Papers , paleta and other paint accesories) | 1.00 | lot | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 15.00 | days | 1.00 | | - |
| | Skilled | 30.00 | days | 4.00 | | - |

| | | | | | | |
|-------------------------------------|---|-------------|------------|------|--|---|
| | Helper | 30.00 | days | 2.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Minor Equipment | 1.00 | lot | | | - |
| | | | | | | - |
| SUB - TOTAL (PAINTING WORKS) | | | | | | - |
| XVI | ELECTRICAL WORKS | 1.00 | lot | | | |
| | Materials: | | | | | |
| | Panel Box and Breakers: | | | | | |
| | Bolt On Panel Box 14 Branches | 1.00 | pcs | | | - |
| | Bolt On Panel Box 10 Branches | 1.00 | pcs | | | - |
| | Breaker 150Amp | 1.00 | pcs | | | - |
| | Breaker 100Amp | 2.00 | pcs | | | - |
| | Breaker 15 Amp | 10.00 | pcs | | | - |
| | Breaker 20 Amp | 13.00 | pcs | | | - |
| | Lightings: | | | | | |
| | 6' LED Ceiling Downlight 11w with Flat Glass Cover (Outer Ceiling & CR) | 33.00 | pcs | | | - |
| | 2 x 40 Louver Housing Surface Mount 12" x 48" (w/ 2pcs led flourescent light per set) | 58.00 | set | | | - |
| | LED Exit Sign | 8.00 | unit | | | - |
| | LED Automatic Rechargeable Emergency Light | 10.00 | units | | | - |
| | Outlets and Switches: | | | | | |
| | 2 gang outlet | 18.00 | set | | | - |
| | 3 gang switch | 3.00 | set | | | - |
| | 2 gang switch | 8.00 | set | | | - |
| | 1 gang switch | 14.00 | set | | | - |
| | Wires: | | | | | |
| | THHN Wire # 1 | 50.00 | meters | | | - |
| | THHN Wire # 2 | 20.00 | meters | | | - |
| | THHN Wire #12 | 5.00 | box | | | - |
| | THHN Wire #14 | 5.00 | box | | | - |
| | Pipe, Fittings and Boxes | | | | | |
| | PVC Pipe Orange 15mm dia. orange | 60.00 | pcs | | | - |
| | PVC Pipe Orange 32mm dia. orange | 15.00 | pcs | | | - |
| | Junction Box | 20.00 | pcs | | | - |

| | | | | | | |
|---------------------------------------|--|-------------|------------|------|--|---|
| | Utility Box | 36.00 | pcs | | | - |
| | Pipe Fittings & Other Materials | 1.00 | lot | | | - |
| | Neltex 400 cc | 5.00 | pcs | | | - |
| | Electrical tape (big) | 10.00 | pcs | | | - |
| | Grounding Rod | 2.00 | set | | | - |
| | Entrance cap 1' dia. | 1.00 | pc | | | - |
| | | | | | | - |
| | | | | | | |
| | Labor: | | | | | |
| | Project Supervisor | 30.00 | days | 1.00 | | - |
| | Electrician | 60.00 | days | 2.00 | | - |
| | Helper | 60.00 | days | 1.00 | | - |
| | | | | | | - |
| SUB - TOTAL (ELECTRICAL WORKS) | | | | | | - |
| XVII | PLUMBING WORKS | 1.00 | lot | | | |
| | <i>Materials:</i> | | | | | |
| | A. SANITARY PIPES & FITTINGS | | | | | |
| | 6" dia.x 3m PVC Pipe Orange Series 1000 | 30.00 | pcs | | | - |
| | 4" dia.x 3m PVC Pipe Orange | 20.00 | pcs | | | - |
| | 3" dia.x 3m PVC Pipe Orange | 50.00 | pcs | | | - |
| | 2" dia.x 3m PVC Pipe Orange | 10.00 | pcs | | | - |
| | 4" dia. Tee | 12.00 | pcs | | | - |
| | 4" dia. Coupling | 6.00 | pcs | | | - |
| | 4" dia. Clea-nout | 10.00 | pcs | | | - |
| | 3" dia. Elbow | 35.00 | pcs | | | - |
| | 4" dia. Elbow | 4.00 | pcs | | | - |
| | 2" dia. P-Trap | 6.00 | pcs | | | - |
| | 2" x 3" dia. Wye reducer | 4.00 | pcs | | | - |
| | 4" x 3" dia. Wye reducer | 2.00 | pcs | | | - |
| | PVC Solvent | 5.00 | cans | | | - |
| | | | | | | |
| | B. FIXTURES | | | | | |
| | Water Closet, standard high quality, with complete accessories and fittings ,w/ stainless bidet & 2 pcs 60 cm stainless grab bar | 5.00 | sets | | | - |

| | | | | | | |
|-------------------------------------|---|-------------|------------|------|--|---|
| | Lavatory w/ faucet complete accessories and fittings | 4.00 | sets | | | - |
| | Urinal, with sensor, with complete accessories, fittings and assembly | 5.00 | sets | | | - |
| | Urinal Partition, 0.40m x 1.0m, Phenolic Compact Boards/ Panel (12mm thick, laminated, shade of brown, water resistant) including all accessories and brackets | 4.00 | sets | | | - |
| | Stainless Shower Head SuS 304 Rainfall Shower complete with accessories | 3.00 | sets | | | - |
| | Heavy duty stainless faucet | 9.00 | sets | | | - |
| | Floor Drain (4"x4") | 12.00 | pcs | | | - |
| | | | | | | |
| | C. WATER DISTRIBUTION | | | | | |
| | Pump Driven Water System: with stainless tank of capacity 2000 liters, elevated tank made of steel and a foundation of concrete footings with height 5 meters from the bottom of tank to ground level. With motor pump, pump house , pressure tank and other piping system for a functional pump driven water system. | 1.00 | lot | | | - |
| | 1" PPR Pipe | 12.00 | Pcs. | | | - |
| | 1/2" PPR Pipe | 20.00 | Pcs. | | | - |
| | 1" x 1/2" Tee Reducer | 22.00 | Pcs. | | | - |
| | 1/2" PPR Tee | 20.00 | Pcs. | | | - |
| | 1/2" PPR Elbow | 40.00 | Pcs. | | | - |
| | 3/4" PPR Elbow | 10.00 | Pcs. | | | - |
| | Gate Valve 1/2"(Brass) | 2.00 | pcs. | | | - |
| | Other pipes and fittings | 1.00 | lot | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 30.00 | days | 1.00 | | - |
| | Plumber | 60.00 | days | 2.00 | | - |
| | Helper | 60.00 | days | 1.00 | | - |
| | | | | | | - |
| SUB - TOTAL (PLUMBING WORKS) | | | | | | - |
| XVIII | RAILINGS AND CAGE LADDER | 1.00 | lot | | | |

| | | | | | | |
|---|--|-------------|------------|------|--|---|
| | Railings at fire exit 2nd floor, stair to 2nd floor and porch area : | | | | | |
| | Materials: | | | | | |
| | 1-1/2 x 1-1/2 Stainless Pipe (Railings) | 30.00 | pcs | | | - |
| | 1-1/2 x 1-1/2 GI Pipe sched 40 (Cadge Ladder) | 4.00 | pcs | | | - |
| | 1-1/2 x1/4 Flat Bar | 2.00 | pcs | | | - |
| | Cutting Disc | 5.00 | pcs | | | - |
| | Welding Rod | 3.00 | box | | | - |
| | | | | | | - |
| | Labor: | | | | | |
| | Project Supervisor | 18.00 | days | 1.00 | | - |
| | Welder | 24.00 | days | 2.00 | | - |
| | Helper | 24.00 | days | 1.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Welding Machine | 1.00 | lot | | | - |
| | | | | | | - |
| SUB - TOTAL (RAILINGS AND CAGE LADDER) | | | | | | - |
| XIX | FIRE AND DETECTION ALARM SYSTEM (FDAS) | 1.00 | lot | | | |
| | Materials: | | | | | |
| | Conventional Fire Alarm Control Panel | 1.00 | unit | | | - |
| | 12V/7 Ah Backup Battery | 2.00 | units | | | - |
| | Photoelectronic Smoke Detector | 7.00 | units | | | - |
| | Heat Detector | 1.00 | unit | | | - |
| | Fire Alarm Manual Push Station | 3.00 | units | | | - |
| | Fire Horn w/ Strobe Light | 3.00 | units | | | - |
| | EMT Conduits, TF Wire Cables, Conduit Fittings and support, miscellaneous consumables and all necessary materials to complete a functional system | 1.00 | lot | | | - |
| | Fire Safety Compliance Reporty (FSCR) duly signed by Engineer / Architect and Fire Safety Practitioner accredited by the BFP. It will contain the detailed design and all fire safety features be installed. To be submitted w/ 3 sets of plans and specifications and it shall include short project description and statement of the codes and standards used in the design. | 1.00 | lot | | | - |
| | | | | | | - |

| | | | | | | |
|---|--|-------------|------------|------|--|---|
| | Labor: | | | | | |
| | Project Supervisor | 18.00 | days | 1.00 | | - |
| | Skilled | 24.00 | days | 3.00 | | - |
| | Helper | 24.00 | days | 2.00 | | - |
| | | | | | | - |
| | Equipment: | | | | | |
| | Minor Tools and Equipment | 1.00 | lot | | | - |
| | | | | | | - |
| SUB - TOTAL (FIRE AND DETECTION ALARM SYSTEM (FDAS)) | | | | | | - |
| SPL-1 | FACILITIES / AMENITIES | 1.00 | lot | | | |
| | Materials: | | | | | |
| | Single Wooden Bed, Approx. dimension: 195 cm length, 90 cm width, 40 cm. height w/ 40 cm. headboard height and finish painted | 11.00 | units | | | - |
| | Heavy Duty Double Deck Steel Framed Bed (Single) | 1.00 | unit | | | - |
| | <i>Wooden Cabinet, Approx. dimension: 50cm length, 50cm width, 80 cm. height with 2 partition and cabinet handle and padlock. Finished with choco brown paint or equivalent.</i> | 12.00 | units | | | - |
| | 4 Layer Steel Filing Cabinet | 2.00 | unit | | | - |
| | Single Sofa (3 Seater) | 4.00 | units | | | - |
| | Fire Extinguishers 10 lbs | 8.00 | units | | | - |
| | 5 Layer Heavy Duty Steel Rack (H=5ft, L= 4ft, W=1ft) | 10.00 | units | | | - |
| | Freestanding Office Table with Swivel Chair (Length = 1m, Width = 50cm , Height = 75cm | 2.00 | set | | | - |
| | 10 Seater size Wooden Dining Table Rectangular Shape (Dimension : 3 meters x 1 meter x 0.75 meters) with choco brown paint | 2.00 | units | | | - |
| | Repainting and Repair of 10 Seater Wooden Dining Table Rectangular Shape (Dimension : 3 meters x 1 meter x 0.75 meters) | 4.00 | units | | | - |
| | 3 meter length Steel Chair w/ Paint (2 x 4 Tubular and 2 x 2 Tubular) | 12.00 | units | | | - |
| | 1 meter length Steel Chair w/ Paint (2 x 4 Tubular and 2 x 2 Tubular) | 12.00 | units | | | - |

| | | | | | | |
|---|--|--------------|------------|--|--|---|
| | 2 hp Split Type ACU Dual Inverter w/ complete accessories (Supply and Installation) | 5.00 | set | | | - |
| | 1.5 hp Split Type ACU Dual Inverter w/ complete accessories (Supply and Installation) | 2.00 | set | | | - |
| | 43 inch Smart TV flat screen with bracket (Supply and Installation) | 1.00 | unit | | | - |
| | CCTV Installation : A.) 10 pcs 2 MP Colored CCTV Camera with complete accessories HD in dark places, B.) 1 Unit UPS 15 minutes back up battery, C.) 1 unit 16 channel 2 MP DVR, D.) UTP Connectors, Siamese Cable with Connectors and 2 terabyte hard disc driver E.) 1 unit 32 inch CCTV Monitor (Supply and Installation) | 1.00 | lot | | | - |
| | Facial Mirror, 1/4" thick w/ bevelled 1" edge, 1.80m x 1.0m with adhesive & sealant | 1.00 | set | | | - |
| | | | | | | - |
| SUB - TOTAL (FACILITIES / AMENITIES) | | | | | | - |
| SPL-2 | STONE WORKS / WALL CLADING | 72.00 | sqm | | | |
| | Materials: | | | | | |
| | Stone Works 30x60 Greco Brown (Supply and Installation) @ main front door area and left side front area of the building | 32.00 | sqm | | | - |
| | WPC Wall Cladding, fluted, wood grain or shade of brown, including all accessories. 1.) Center front wall (6.4m x 5), 2.) Right Side Wall (2.5m x 3.2m) | 40.00 | sqm | | | - |
| | | | | | | - |
| SUB - TOTAL (STONE WORKS / WALL CLADING) | | | | | | - |
| SPL-3 | PERIMETER PATHWALK W/ PLANTBOX | 90.00 | sqm | | | |
| | Materials: | | | | | |
| | Perimeter Pathwalk (Hexagonal, Bricks or Roma Design Concrete Cement Paving Pathway w/ design color) | 90.00 | sqm | | | - |
| | Length = 60 meters ,Width = 1.0 meters, Thickness : 15 cm. | | | | | |
| | Plantbox: Length = approx. 45 meters ,Height = 40 cm , Width = 50 cm (w/ paint finish) | | | | | - |
| SUB - TOTAL (PERIMETER PATHWALK W/ PLANTBOX) | | | | | | - |
| | | | | | | |
| A | Total Direct Cost (Material, Labor and Equipment) | | | | | - |
| B | Supervising Engineer | | | | | |

| | | |
|---------------------------|--|---|
| C | Permits, Licenses , Professional Fees, As-built Plans (Blue Print) | |
| D | Electric Bill | |
| F | Material Testing (Soil Compaction Test and Concrete Compressive Strength Test for Column Footing, Columns ,Wall Footing , Beams , Slabs) | |
| G | Construction Safety and PPE's | |
| H | Contractors Profit (8 % of DC) | - |
| I | OCM (12% OF DC) | - |
| J | Tax (5% of DC) | - |
| TOTAL PROJECT COST | | - |

Submitted by:

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____

Bid Form for the Procurement of Infrastructure Projects
[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

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

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

¹ currently based on GPPB Resolution No. 09-2020

- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____

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]

Bid Securing Declaration Form

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

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

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

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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

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

[Jurat]

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

Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
And
- (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
And
- (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
And
- (e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (**Please attach the supporting documents**); **and**
- (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (**Please attached copy of contract/Purchase Order and Certificate of Completion and Acceptance**); **and**
- (h) Philippine Contractors Accreditation Board (PCAB) License;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**
- (i) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**
- (j) Project Requirements, which shall include the following:
 - a. Organizational chart for the contract to be bid;
 - b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, **with their complete qualification and experience data (Annex A)**;
 - c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, **supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project (Annex B)**, as the case may be;
 - d. **Affidavit /Certificate of Site Inspection and**
- (k) Original duly signed Omnibus Sworn Statement (OSS);

and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

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

Class "B" Documents

- (n) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

- (p) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (q) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**
- (r) Cash Flow by Quarter.

Annex A

| LIST OF CONSTRUCTION KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT | | | | | | |
|--|---------------------------------|-------------------------------|--|--|-----------------------------|-----------------------------|
| Business Name: _____ | | | | | | |
| Business Address: _____ | | | | | | |
| | Project Supervisor (5 years) | Project Engineer (2 years) | Licensed Electrical Engineer (2 years) | Registered Electrician (2 years) | Master Plumber (2 years) | Safety Officer (2 years) |
| 1. Name | | | | | | |
| 2. Address | | | | | | |
| 3. Date of Birth | | | | | | |
| 4. Employed Since (Current Co.) | | | | | | |
| 5. Previous Employment | | | | | | |
| 6. Education | | | | | | |
| 7. PRC License/Accreditation from DOLE- OHSC (for the Health and Safety Officer)/DPWH Accreditation | | | | | | |
| 8. Years of Experience in Proposed Position | | | | | | |
| Note : This list must be supported by the following documents: | | | | | | |
| <i>1. Individual resumes to show proof of the following:</i> | | | | | | |
| <i>a. that the proposed personnel meets the required relative experience</i> | | | | | | |
| <i>b. list of projects handled with the corresponding position and its inclusive years of experience</i> | | | | | | |
| <i>2. Photocopy of PRC Licenses /DOLE -OHSC /DPWH Accreditation</i> | | | | | | |
| <i>3. A signed written commitment to work for the project once awarded the contract must be duly accomplished by the key personnel (Annex C)</i> | | | | | | |
| Submitted by: _____ | | | | | | |
| (Printed Name & Signature of Authorized Representative | | | | | | |
| Designation: _____ | | | | | | |
| Date: _____ | | | | | | |

Annex B

| LIST OF EQUIPMENT OWNED OR LEASED AND OR/ UNDER PURCHASE AGREEMENT , PLEDGED TO THE PROPOSED CONTRACT | | | | | | | |
|---|------------|-----------------------------|----------|--------------------|----------|-----------|-----------------------------------|
| Business Name: _____ | | | | | | | |
| Business Address: _____ | | | | | | | |
| Description | Model/Year | Capacity /Performance /Size | Plate No | Motor No./Body No. | Location | Condition | Proof of Ownership /Lessor/Vendor |
| A. Owned | | | | | | | |
| i. | | | | | | | |
| ii. | | | | | | | |
| iii. | | | | | | | |
| B. Leased | | | | | | | |
| i. | | | | | | | |
| ii. | | | | | | | |
| iii. | | | | | | | |
| C. Under Purchase Agreement | | | | | | | |
| i. | | | | | | | |
| ii. | | | | | | | |
| iii. | | | | | | | |
| Note : This list must be supported by proof of ownership, lease and or/purchase agreement. For lease and purchase agreement , such proof must include a certification of availability of equipment from the lessor/vendor for the duration of the project. | | | | | | | |
| Submitted by: _____ | | | | | | | |
| (Printed Name &Signature of Authorized Representative | | | | | | | |
| Designation : _____ | | | | | | | |
| Date : _____ | | | | | | | |

KEY PERSONNEL
(FORMAT OF CURRICULUM VITAE)

Give the detailed information of the following personnel who are scheduled to be assigned as full - time field staff for the project : **Fill up a form for each person**

1. Name : _____
2. Nationality : _____
3. Education and Degrees : _____
4. Proposed Position : _____
5. Length of Service with the Firm : _____
6. Years of Related Experience for the Proposed Position : _____
7. List of Projects Handled : *(Use additional sheets if necessary)*
Name of Project : _____
Name of Owner : _____
Type of Project : _____
Position : _____
Period of Assignment : _____

In the event that (**Name of Bidder**) is awarded the contract for (**Name of the Project**), I firmly commit to assume the post of (**Designation**).

Signature of Key Personnel

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

