



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT  
Sudlon, Lahug, Cebu City

**PROCUREMENT OF INFRASTRUCTURE SERVICE**  
**FOR THE**  
**CONSTRUCTION OF TWO-STOREY PROVINCIAL OPERATIONS**  
**OFFICE OF DILG NEGROS ORIENTAL (PHASE I)**  
***DILG-R7BAC-INF-2021-01***

1. The *Department of the Interior and Local Government Region VII*, through the *General Appropriations Act FY 2021* intends to apply the sum of *Seven Million Pesos (P7,000,000.00)* being the Approved Budget for the Contract (ABC) to payments under the contract for the “**CONSTRUCTION OF TWO-STOREY PROVINCIAL OPERATION OFFICE OF DILG NEGROS ORIENTAL (Phase I) – DILG-R7BAC-INF-2021-01**”.

Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The *Department of the Interior and Local Government Region VII* now invites bids for the above Procurement Project. Completion of the Works is required ***within 150 calendar days from the issuance of Notice to Proceed (NTP)***. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from the *BAC Secretariat, Department of the Interior and Local Government Region VII* and inspect the Bidding Documents at the address given below during ***9:00 A.M. to 4:00 P.M. (Mondays – Fridays)***.
5. A complete set of Bidding Documents may be acquired by interested bidders on ***October 14 to November 9, 2021*** from given address and website(s) below ***and upon***

*payment of the amount of Seven Thousand Pesos (P7,000.00)* The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person*.

6. The **Department of the Interior and Local Government Region VII** will hold a Pre-Bid Conference at **9:30A.M. on October 22, 2021** at **DILG 7 Regional Office – Panaghiusa Conference Room (2<sup>nd</sup> floor)** which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before **9:30 A.M. on November 10, 2021 (Wednesday)**. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 15**.
9. Bid opening shall be at **9:30A.M. on November 10, 2021** at the **DILG 7 Regional Office – Panaghiusa Conference Room (2<sup>nd</sup> floor) Sudlon Lahug, Cebu City**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Department of the Interior and Local Government Region VII** 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.
11. COVID-19 Safety Protocols must be observed, more specifically:
  - a. Wearing of Face Mask and Face Shield
  - b. Mandatory Sanitary Foot bath and Temperature Check (must be 37.4 degrees Celsius and below) upon entry
  - c. One meter Social Distancing and observance of seating arrangement
  - d. Only one representative per bidder shall be allowed entry in the DILG 7 Building

Non-compliance shall result to adverse consequences relative to the intent to submit their bid and to participate in all of the bidding activities.

12. For further information, please refer to:

**Antolin Ryan M. Seco, Jr., CPA**

**Head, BAC Secretariat**

**Sudlon, Lahug, Cebu City**

**dilgregion7\_cv@yahoo.com**

(032) 253-5481

<http://region7.dilg.gov.ph/>

13. You may visit the following website(s):

For downloading of Bidding Documents: <http://region7.dilg.gov.ph/>

**October 14, 2021**

ATTY. FERDINAND R. ALBAÑO

BAC Chairperson

# **PHILIPPINE BIDDING DOCUMENTS**

## **PROCUREMENT OF INFRASTRUCTURE SERVICE FOR THE CONSTRUCTION OF TWO- STOREY PROVINCIAL OPERATIONS OFFICE OF DILG NEGROS ORIENTAL (Phase 1)**

Procuring Entity:

**Department of the Interior and Local  
Government, Regional Office 7  
Republic of the Philippines**

**Reference No.: DILG-R7BAC-INF-2021-01**

**Date of Issue: 14 October 2021**

**Place of Issue: Cebu City, Philippines**

**Sixth Edition**

**July 2020**

# Preface

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

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

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

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

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

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

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

# TABLE OF CONTENTS

<b>Glossary of Terms, Abbreviations, and Acronyms.....</b>	<b>5</b>
<b>Section I. Invitation to Bid .....</b>	<b>8</b>
<b>Section II. Instructions to Bidders.....</b>	<b>12</b>
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.....	14
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 .....	16
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 .....	17
19. Detailed Evaluation and Comparison of Bids.....	17
20. Post Qualification.....	17
21. Signing of the Contract .....	17
<b>Section III. Bid Data Sheet.....</b>	<b>18</b>
<b>Section IV. General Conditions of Contract .....</b>	<b>21</b>
1. Scope of Contract.....	22
2. Sectional Completion of Works .....	22
3. Possession of Site.....	22
4. The Contractor’s Obligations.....	22
5. Performance Security .....	23
6. Site Investigation Reports .....	23

7.	Warranty.....	23
8.	Liability of the Contractor.....	23
9.	Termination for Other Causes.....	23
10.	Dayworks .....	24
11.	Program of Work.....	24
12.	Instructions, Inspections and Audits .....	24
13.	Advance Payment.....	24
14.	Progress Payments .....	24
15.	Operating and Maintenance Manuals.....	24
	<b>Section V. Special Conditions of Contract.....</b>	<b>26</b>
	<b>Section VI. Specifications .....</b>	<b>28</b>
	<b>Section VII. Drawings.....</b>	<b>30</b>
	<b>Section VIII. Bill of Quantities .....</b>	<b>42</b>
	<b>Section IX. Checklist of Technical and Financial Documents.....</b>	<b>45</b>



# *Glossary of Terms, Abbreviations, and Acronyms*

**ABC** – Approved Budget for the Contract.

**ARCC** – Allowable Range of Contract Cost.

**BAC** – Bids and Awards Committee.

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

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

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

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**CDA** – Cooperative Development Authority.

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

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

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

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

**DTI** – Department of Trade and Industry.

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

**GFI** – Government Financial Institution.

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

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

**GOP** – Government of the Philippines.

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

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PCAB** – Philippine Contractors Accreditation Board.

**PhilGEPS** - Philippine Government Electronic Procurement System.

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

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**UN** – United Nations.

## ***Section I. Invitation to Bid***

### **Notes on the Invitation to Bid**

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

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

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria.

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



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**October 14, 2021**

**ATTY. FERDINAND R. ALBAÑO**

**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 the Interior and Local Government, Region 7* invites Bids for the *Procurement of Infrastructure Service for the Construction of Two-Storey Provincial Operations Office of DILG Negros Oriental (Phase 1)*, with Project Identification Number *DILG-R7BAC-INF-2021-01*.

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 *FY 2021* in the amount of *Seven Million Pesos (P7,000,000.00)*.

2.2. The source of funding is:

a. The General Appropriations Act (GAA) FY 2021, RA 11518.

## **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. Subcontracting is not allowed.

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at *DILG 7 Regional Office – Panaghiusa Conference Room (2<sup>nd</sup> floor) Sudlon Lahug, Cebu City* as indicated in paragraph 6 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

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

## **10. Documents Comprising the Bid: Eligibility and Technical Components**

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

## **11. Documents Comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Alternative Bids**

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

### **13. Bid Prices**

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

### **14. Bid and Payment Currencies**

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

14.2. *Payment of the contract price shall be made in:*

- a. Philippine Pesos.

### **15. Bid Security**

15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

15.2. The bid security should be valid for the period specified in the **BDS**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### **16. Sealing and Marking of Bids**

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

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

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

### **17. Deadline for Submission of Bids**

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **18. Opening and Preliminary Examination of Bids**

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

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

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

## **19. Detailed Evaluation and Comparison of Bids**

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 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><b>The work consist of:</b></p> <ul style="list-style-type: none"> <li>Earthworks</li> <li>I. Structural Works</li> <li>II. Masonry Works</li> <li>III. Ceiling</li> <li>IV. Dry Wall Partition</li> <li>V. Doors and Windows</li> <li>VI. Tile Works</li> <li>VII. Stairs and Ramp Railings</li> <li>VIII. Concrete Canopy and Concrete Mouldings</li> <li>IX. Electrical Works</li> <li>X. Plumbing Works</li> <li>XI. Roof and Framing</li> </ul>																											
7.1	No further instructions																											
10.3	No further instructions																											
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: 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 Manager</td> <td style="text-align: center;">10 years</td> <td style="text-align: center;">construction of vertical structure/building</td> </tr> <tr> <td>Project Engineer</td> <td style="text-align: center;">5 years</td> <td style="text-align: center;">construction of vertical structure/building</td> </tr> <tr> <td>Materials Engineer</td> <td style="text-align: center;">5 years</td> <td style="text-align: center;">construction of vertical structure/building</td> </tr> <tr> <td>Safety Officer</td> <td style="text-align: center;">5 years</td> <td style="text-align: center;">construction of vertical structure/building</td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Manager	10 years	construction of vertical structure/building	Project Engineer	5 years	construction of vertical structure/building	Materials Engineer	5 years	construction of vertical structure/building	Safety Officer	5 years	construction of vertical structure/building												
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10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Capacity</u></th> <th style="text-align: center;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>Jack Hammer</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Mini Compactor</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Concrete Vibrator</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>One-Bagger Mixer</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Welding Machine</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Cut-off Machine</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>PPR Fusion Machine</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Angle Grinder</td> <td></td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Jack Hammer		1	Mini Compactor		1	Concrete Vibrator		1	One-Bagger Mixer		1	Welding Machine		1	Cut-off Machine		1	PPR Fusion Machine		1	Angle Grinder		1
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Angle Grinder		1																										
12	No further instructions																											
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> <ul style="list-style-type: none"> <li>a. The amount of not less than <i>One Hundred Forty Thousand Pesos (P140,000.00)</i> or <i>2% of ABC</i>, if bid security is in cash,</li> </ul>																											

	<p>cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <i>Three Hundred Fifty Thousand Pesos (P350,000.00)</i> or 5% of ABC if bid security is in Surety Bond.</p>
19.2	No further instructions
20	No further instructions
21	<p>Additional contract documents relevant to the Project.</p> <p>1.Those that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve.</p> <p>2.Manpower schedule</p> <p>3.Construction methods</p> <p>4.Equipment utilization schedule</p> <p>5.Equipment utilization schedule</p> <p>6.PERT/CPM or other acceptable tools of projects scheduling.</p>



## ***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	No further instructions.
3.1	The contractor will take possession of the project site upon issuance of the Notice to Proceed.
6	The site investigation report conducted by the contractor must be signed/noted by the PE representative.
7.2	Fifteen (15) years warranty <i>In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures</i>
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit updated Implementation schedule/PERT-CPM, manpower schedule, equipment schedule and S-Curve to the Procuring Entity's Representative within 15 days upon received of Notice to Proceed.
11.2	No further instructions.
13	The amount of the advance payment <i>shall not exceed 15% of the total contract price and schedule of payment.</i>
14	No Further Instructions.
15.1	"As built" plans shall form part of the supporting documents for the final billing.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals, if applicable, by the date required is 100% of the final billing.

## *Section VI. Specifications*

### **Notes on Specifications**

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

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

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

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

#### **Sample Clause: Equivalency of Standards and Codes**

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

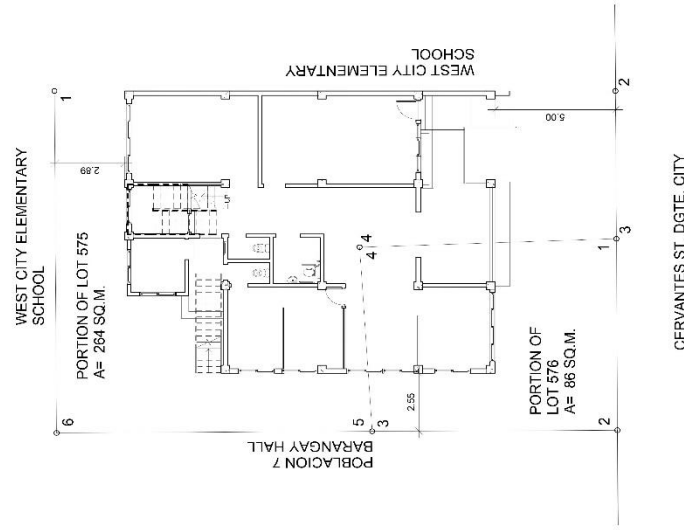


accepted subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight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

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

# Section VII. Drawings

DILG NEGROS ORIENTAL  
PROVINCIAL OFFICE



**SITE DEVELOPMENT PLAN**  
SCALE: 1:100



**LOCATION PLAN**  
SCALE: 2/3 NTS



**PERSPECTIVE**  
SCALE: 3/3 NTS

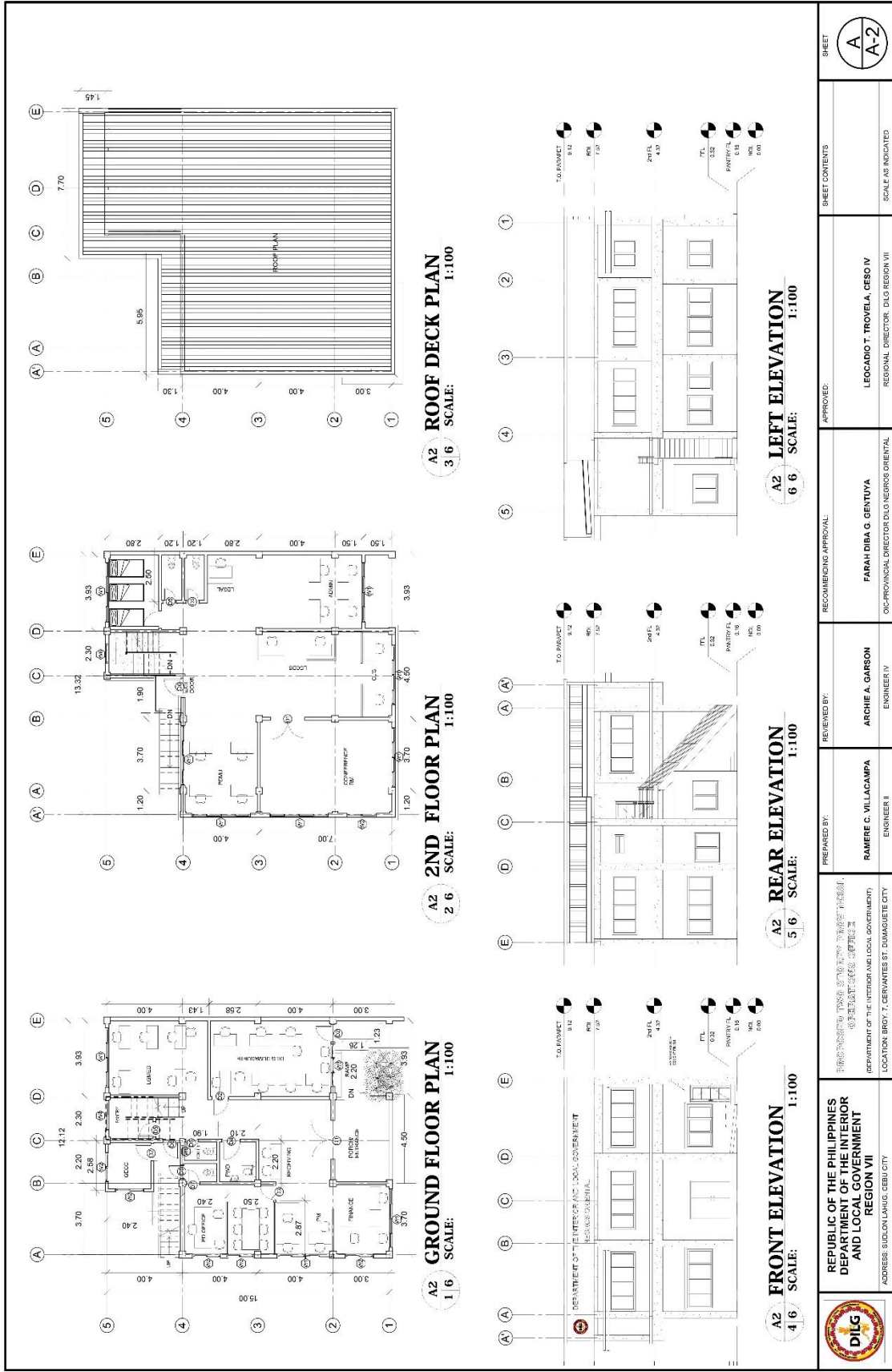
TECHNICAL DESCRIPTION  
PORTION OF LOT 575

LINE	BEARINGS	DISTANCES
BBM 31-1	N 10°49'E	198.11M
1-2	S 89°23'E	23.27M
2-3	S 00°16'W	6.53M
3-4	S 88°36'W	10.60M
4-5	S 03°03'E	8.15M
5-6	N 89°42'W	13.15M
6-1	N 00°18'E	15.11M

TECHNICAL DESCRIPTION  
PORTION OF LOT 576

LINE	BEARINGS	DISTANCES
BBM 31-1	N 17°50'E	197.31M
1-2	S 00°20'W	8.46M
2-3	N 89°40'W	10.12M
3-4	N 03°03'E	8.15M
4-1	N 88°36'E	10.60M

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT REGION VII ADDRESS: SIBOLAN LAJES, CEBU CITY</p>	<p>PROVINCIAL OFFICE OF NEGROS ORIENTAL OFFICE OF THE ASSISTANT PROVINCE ENGINEER (DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT) LOCATION: BDOY T. CERVANTES ST. DUMASIGUETE CITY</p>	<p>PREPARED BY: <b>RANERIE C. VILLACAMPA</b> ENGINEER I</p>	<p>REVIEWED BY: <b>ARCHE A. GARSON</b> ENGINEER IV</p>	<p>RECOMMENDING APPROVAL: <b>FARAH DIBA G. GENTUYA</b> D/C-PROVINCIAL DIRECTOR DILG NEGROS ORIENTAL</p>	<p>APPROVED: <b>LEOCADIO T. TROVELA, CESQ IV</b> REGIONAL DIRECTOR, DILG NEGROS VI</p>	<p>SHEET CONTENTS</p>	<p>SHEET <b>A-1</b></p>
	<p>SCALE IS INDICATED</p>	<p>SCALE IS INDICATED</p>	<p>SCALE IS INDICATED</p>	<p>SCALE IS INDICATED</p>	<p>SCALE IS INDICATED</p>	<p>SCALE IS INDICATED</p>	<p>SCALE IS INDICATED</p>



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR  
AND LOCAL GOVERNMENT  
REGION VII  
ADDRESS: SISON/LANIG, CEBU CITY

PREPARED BY:  
RAMERE C. VILLAGAMPA  
ENGINEER II

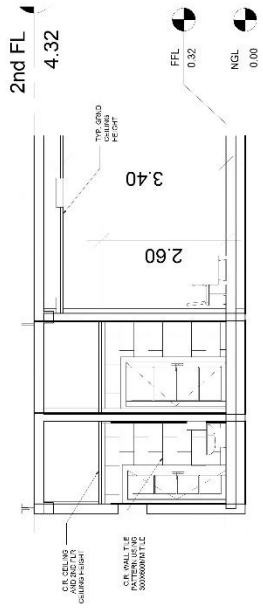
REVIEWED BY:  
ARCHIE A. GARSON  
ENGINEER IV

RECOMMENDING APPROVAL:  
FARAH DIBA G. GENTUYA  
OIC-PROVINCIAL DIRECTOR DILG NEGROS ORIENTAL

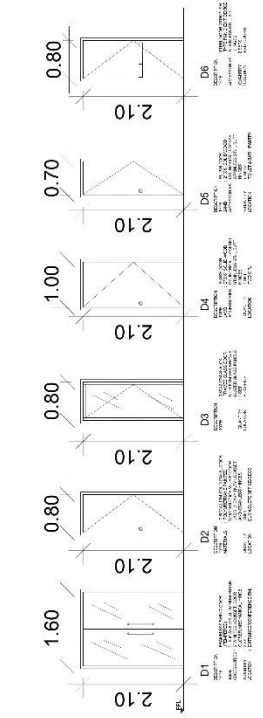
APPROVED:  
LEOCADIO T. TROVELA, CESO IV  
RESIDENTIAL DIRECTOR, DILG REGION VII

SHEET  
A  
A-2  
SCALE AS INDICATED

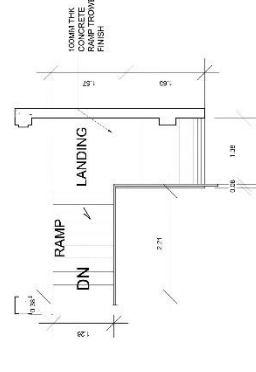
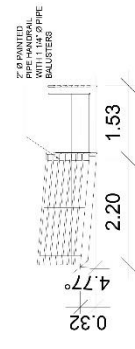




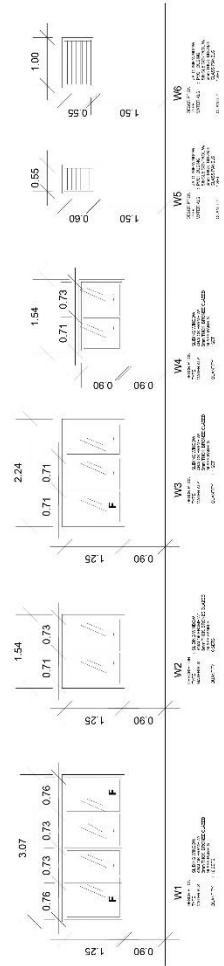
**A4** **C.R. TILING & CEILING HEIGHT DET.**  
SCALE: 1:50



**A4** **SCHEDULE OF DOORS**  
SCALE: 1:50

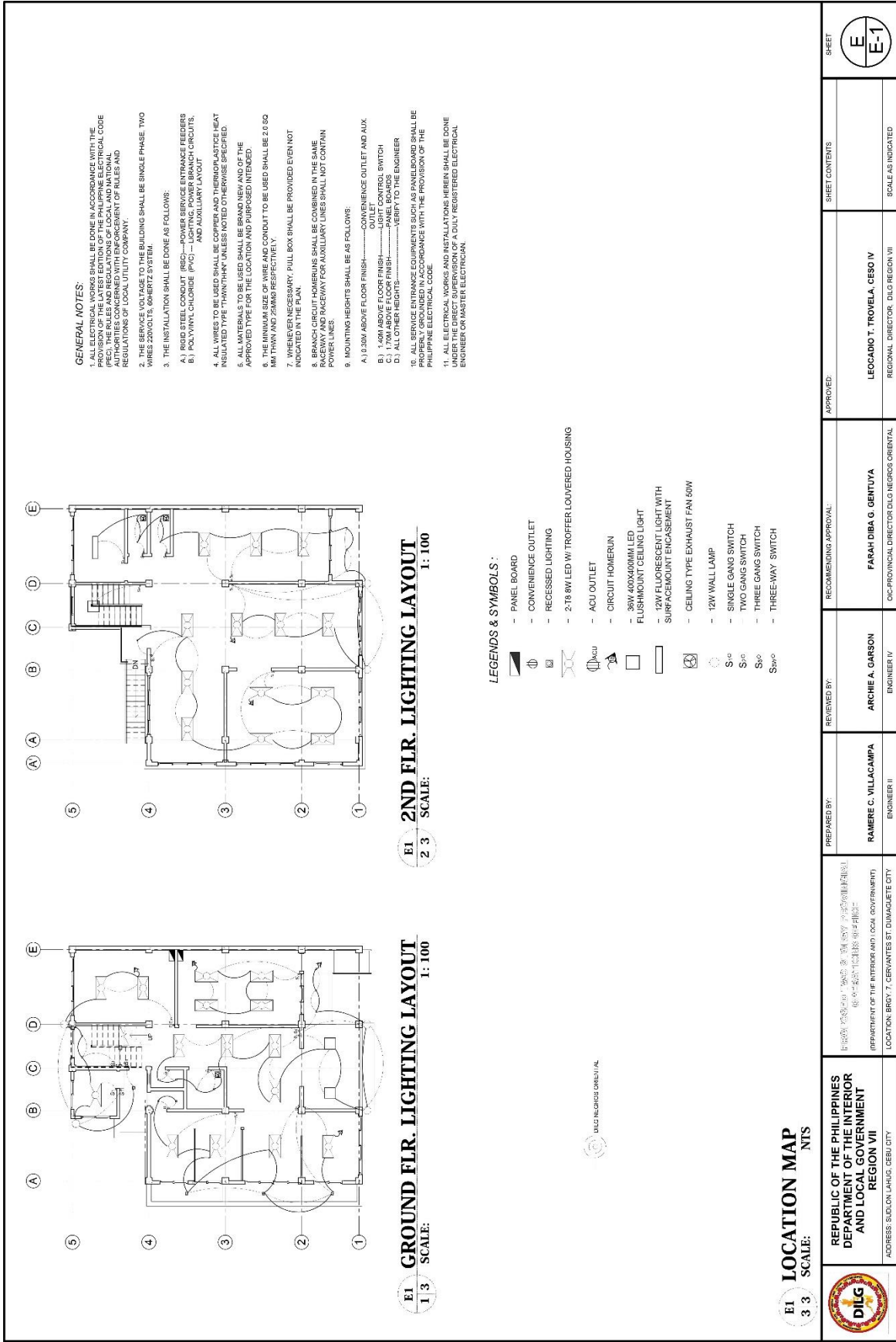


**A4** **RAMP DETAILS**  
SCALE: 1:50



**A4** **SCHEDULE OF WINDOWS**  
SCALE: 1:50

	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT REGION VII ADDRESS: SUGAL LAMIG, CEBU CITY		PREPARED BY: <b>RANERE C. VILLACAMPA</b> ENGINEER II		REVIEWED BY: <b>ARCHE A. GARSON</b> ENGINEER IV		RECOMMENDING APPROVAL: <b>FARAH DIBA G. GENTIYIA</b> DIC-PROVINCIAL DIRECTOR DILG NEGROS ORIENTAL		APPROVED: <b>LEOCADIO T. TROVELA, CESO IV</b> REGIONAL DIRECTOR, DILG REGION VII		SHEET CONTENTS: SCALE AS INDICATED		SHEET <b>A-4</b>
	PROJECT: BUREAU OF FIRE PROTECTION AND SAFETY (BFP) - REGIONAL OFFICE (RO) - CEBU CITY DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT LOCATION: BRGY 7, GERAVANTES ST. DUMAGUETE CITY												



- GENERAL NOTES:**
1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) AND THE NATIONAL ELECTRICAL ENGINEERING BOARD'S REGULATIONS CONCERNED WITH THE ENFORCEMENT OF RULES AND REGULATIONS OF LOCAL UTILITY COMPANY.
  2. THE SERVICE VOLTAGE TO THE BUILDING SHALL BE SINGLE PHASE, TWO WIRES, 220VOLTS, 60HERTZ SYSTEM.
  3. THE INSTALLATION SHALL BE DONE AS FOLLOWS:
    - A) USE OF RER CONDUIT (RSC) - POWER SERVICE ENTRANCE DEVICES
    - B) POLYVINYL CHLORIDE (PVC) - LIGHTING, POWER BRANCH CIRCUITS, AND AUXILIARY LAYOUT
  4. ALL WIRES TO BE USED SHALL BE COPPER AND THERMOPLASTIC HEAT INSULATED TYPE "THINWATH" UNLESS NOTED OTHERWISE SPECIFIED.
  5. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE INTENDED.
  6. THE MINIMUM SIZE OF WIRE AND CONDUIT TO BE USED SHALL BE 2.0 SQ MM THIN AND 20MM RESPECTIVELY.
  7. WHENEVER NECESSARY, PULL BOX SHALL BE PROVIDED EVEN NOT INDICATED IN THE PLAN.
  8. BRANCH CIRCUIT HOMERUNS SHALL BE COMBINED IN THE SAME RACEWAY AND RACEWAY FOR AUXILIARY LINES SHALL NOT CONTAIN POWER LINES.
  9. MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
    - A) 3.0M ABOVE FLOOR FINISH - CONVENIENCE OUTLET AND AUX. OUTLET
    - B) 1.60M ABOVE FLOOR FINISH - LIGHT CONTROL SWITCH
    - C) 2.40M ABOVE FLOOR FINISH - RECESSED LIGHTING
    - D) ALL OTHER HEIGHTS - VERIFY TO THE ENGINEER
  10. ALL SERVICE ENTRANCE EQUIPMENTS SUCH AS PANELBOARD SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE PROVISIONS OF THE PHILIPPINE ELECTRICAL CODE
  11. ALL ELECTRICAL WORKS AND INSTALLATIONS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A FULLY REGISTERED ELECTRICAL ENGINEER OR MASTER ELECTRICAL.

**E1 2ND FLR. LIGHTING LAYOUT**  
SCALE: 1:100

**E1 GROUND FLR. LIGHTING LAYOUT**  
SCALE: 1:100

**LEGENDS & SYMBOLS :**

- PANEL BOARD
- CONVENIENCE OUTLET
- RECESSED LIGHTING
- 2-78 8W LED W/ TROFFER LOUVERED HOUSING
- ACU OUTLET
- CIRCUIT HOMERUN
- 36W 400X400MM LED FLUSHMOUNT CEILING LIGHT
- 12W FLUORESCENT LIGHT WITH SURFACE MOUNT ENCASERMENT
- CEILING TYPE EXHAUST FAN 50W
- 12W WALL LAMP
- SINGLE GANG SWITCH
- TWO GANG SWITCH
- THREE GANG SWITCH
- THREE-WAY SWITCH

**E1 3.3 LOCATION MAP**  
SCALE: NTS



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR  
AND LOCAL GOVERNMENT  
REGION VII  
ADDRESS: SULO, ON LAHUG, CEBU CITY

Prepared by: **RAMERE C. VILLACAMPA**  
ENGINEER II

Reviewed by: **ARCHIE A. GARSON**  
ENGINEER IV

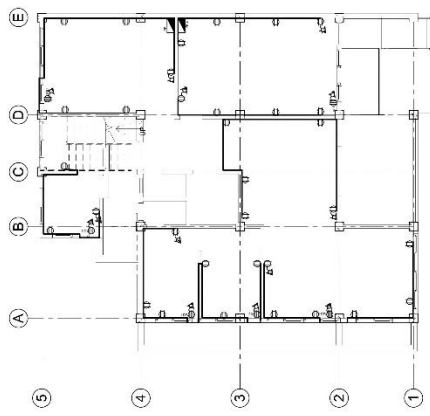
Recommended Approval: **FARAH DIBA G. GENTUYA**  
D/C-PROVINCIAL DIRECTOR DILG NEGROS ORIENTAL

Approved: **LEOCADIO T. TROVELA, CESO IV**  
REGIONAL DIRECTOR, DILG REGION VII

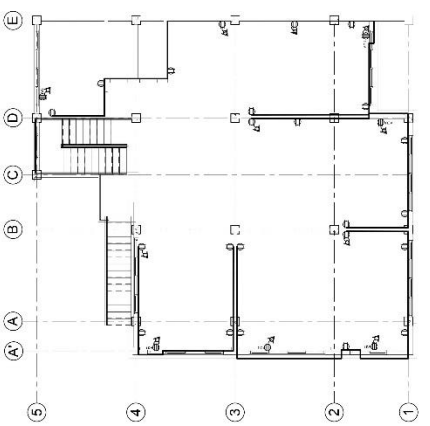
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**E2 1 4**  
**GROUND FLR. POWER LAYOUT**  
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 SCALE:

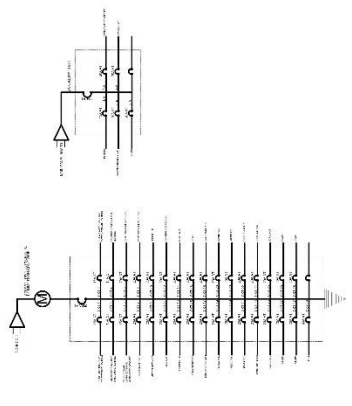


**E2 2 4**  
**2ND FLR. POWER LAYOUT**  
 I: 100  
 SCALE:

**LOAD SCHEDULE-MAIN PANEL BOARD**

NO. OF	DESCRIPTION	AMPERES	VOLTS	PHASE	WIRE	TERMINAL
CONDUCTORS					SIZE	NO.
1	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
2	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
3	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
4	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
5	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
6	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
7	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
8	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
9	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
10	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
11	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
12	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
13	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
14	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
15	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
16	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
17	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
18	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
19	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
20	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
21	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
22	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
23	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
24	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
25	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
26	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
27	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
28	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
29	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
30	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
31	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
32	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
33	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
34	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
35	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
36	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
37	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
38	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
39	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
40	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
41	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
42	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
43	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
44	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
45	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
46	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
47	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
48	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
49	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
50	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100

DESIGNED BY: **RAMERE C. VILLACAMPA**  
 CHECKED BY: **ARCHIE A. GARSON**  
 DRAWN BY: **RAMERE C. VILLACAMPA**  
 DATE: **10/10/2023**



**E2 3 4**  
**SINGLE LINE DIAGRAM**  
 NTS  
 SCALE:

**LOAD SCHEDULE SUB PANEL BOARD (SPA)**

NO. OF	DESCRIPTION	AMPERES	VOLTS	PHASE	WIRE	TERMINAL
CONDUCTORS					SIZE	NO.
1	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
2	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
3	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
4	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
5	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
6	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
7	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
8	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
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10	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
11	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
12	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
13	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
14	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
15	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
16	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
17	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
18	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
19	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
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21	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
22	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
23	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
24	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
25	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
26	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
27	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
28	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
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30	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
31	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
32	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100
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50	1.000 200.000 200.000 200.000	1.000	200.000	3	2.00	100

**E2 4 4**  
**LOAD SCHEDULE**  
 NTS  
 SCALE:



REPUBLIC OF THE PHILIPPINES  
 DEPARTMENT OF THE INTERIOR  
 AND LOCAL GOVERNMENT  
 REGION VII  
 ADDRESS: SUDILION LANSIG, CEBU CITY

REGIONAL OFFICE OF THE ENGINEER AND LOCAL GOVERNMENT  
 DIVISION OFFICE OF THE ENGINEER AND LOCAL GOVERNMENT  
 LOCATION: BRYAN 7, CERVANTES ST. DUMAGUETE CITY

PREPARED BY: **RAMERE C. VILLACAMPA**  
 ENGINEER II

REVIEWED BY: **ARCHIE A. GARSON**  
 ENGINEER IV

RECOMMENDING APPROVAL: **PARAM DIBA G. GERTUYA**  
 DIC-PROVINCIAL DIRECTOR DILG NEGROS ORIENTAL

APPROVED: **LEOCADIO T. TROVELA, CESO IV**  
 REGIONAL DIRECTOR, DILG REGION VII

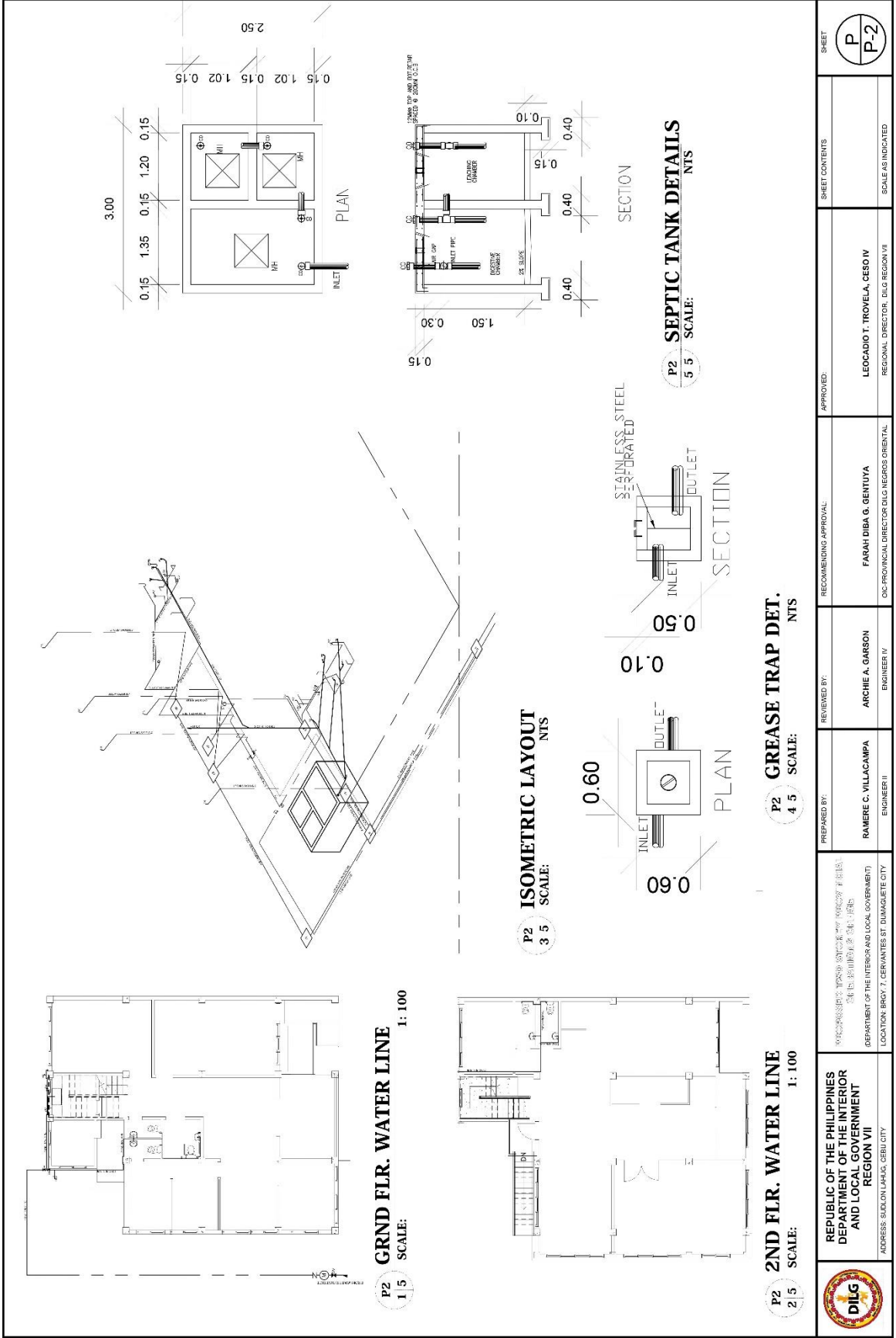


SHEET CONTENTS

SCALE AS INDICATED







REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR  
AND LOCAL GOVERNMENT  
REGION VII  
ADDRESS: SUBDON LAHAG, CERIL CITY

PROFESSIONAL ENGINEER: RANER C. VILLACAMPA  
306 St. Remigio St. Cebu City  
DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT  
LOCATION: BRGY 7, GERANTES ST. DUMAGALTE CITY

PREPARED BY: RANER C. VILLACAMPA  
ENGINEER II

REVIEWED BY: ARCHIE A. GARSON  
ENGINEER IV

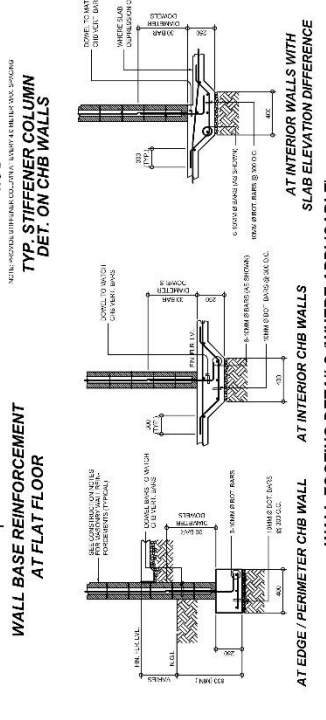
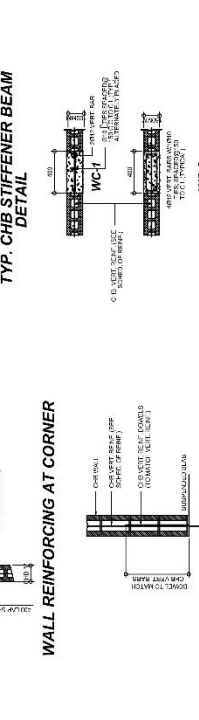
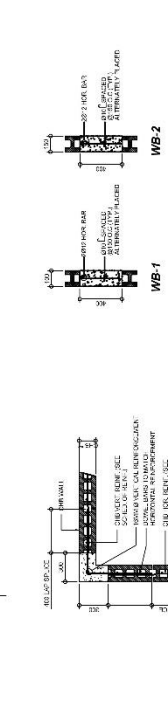
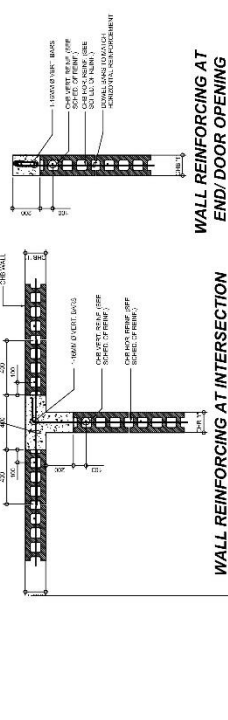
RECOMMENDING APPROVAL: FARAH DIBA G. GENTIYA  
OIC-PROVINCIAL DIRECTOR (ILG NEGROS ORIENTAL)

APPROVED: LEOCADIO T. TROVELA, CESO IV  
REGIONAL DIRECTOR, DILG REGION VII

SHEET  
P  
P-2  
SCALE AS INDICATED

**GENERAL STRUCTURAL/CONSTRUCTION NOTES AND SPECIFICATIONS**

- (A.) GENERAL REQUIREMENTS
1. ALL STRUCTURAL MATERIALS AND WORK SHALL CONFORM TO THE PHILIPPINES (NSCP 2015).
  2. VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  3. NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
  4. WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
  5. LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PIPING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.
  6. THE NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF EXISTING STRUCTURES SHALL BE THE RESPONSIBILITY OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL ENFORCE SAFETY MEASURES OR REGULATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING DURING CONSTRUCTION. FURTHER, THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR OBTAINING THE SAFETY AND HEALTH DEPARTMENT'S LAWS AND REGULATIONS.
  7. OBTAIN PRIOR WRITTEN APPROVAL FROM THE ENGINEER IN CASE OF CHANGES TO THE WORKING DRAWINGS.
- (B.) DESIGN CRITERIA
- REFER TO STRUCTURAL COMPUTATIONS
- (C.) FOUNDATION
1. FOOTINGS SHALL BEAR ON SOLID UNDISTURBED EARTH (CONTROLLED, FINISHED GRADE).
  2. FOOTINGS IS DESIGNED FOR ASSUMED ALLOWABLE SOIL FOUNDATION PRESSURE OF 15000K.
  3. SUB-GRADE PREPARATION INCLUDING DRAINAGE EXCAVATION, COMPACTION AND FILLING REQUIREMENTS SHALL CONFORM EXACTLY WITH THE SPECIFICATIONS GIVEN IN THE SOILS REPORT OR AS DIRECTED BY THE SOILS ENGINEER.
  4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER POSTING EXCAVATION HAS BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN FOUNDATION CAPACITY.
  5. ROOF AND AREA DRAINAGE SHALL BE DIRECTED AWAY FROM THE FOUNDATIONS.
  6. EXCAVATIONS SHALL BE PROPERLY BACKFILLED, BACKFILL FOR WALLS SHALL BE PREVIOUS MATERIAL ACCEPTABLE TO THE GEOTECHNICAL ENGINEER. DO NOT EXCEED THE MAXIMUM ALLOWABLE EXCAVATION DEPTH AND LATERAL LOADS UNTIL THE SUPPORTING MEMBERS ARE IN PLACE AND HAVE DEVELOPED SPECIFIED STRENGTHS.
- (D.) REINFORCED CONCRETE
1. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVERTED AND PLACED IN ACCORDANCE WITH THE PROVISIONS SET BY THE NSCP 2015.
  2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS WITH CORRESPONDING MAXIMUM SLUMP AND MAXIMUM SIZE AGGREGATE AS FOLLOWS:
- | STRUCTURAL MEMBER  | 28 DAY STRENGTH   | MAX. SIZE AGG. |
|--|-------------------|----------------|
| A. SLAB OF GRADE   | 20.7MPa (3000PSI) | 10MM (3/8")    |
| B. WALLS   | 25.0MPa (3625PSI) | 10MM (3/8")    |
| C. COLUMNS/SHEAR WALLS   | 20.7MPa (3000PSI) | 10MM (3/8")    |
| D. BEAMS AND SLABS   | 20.7MPa (3000PSI) | 10MM (3/8")    |
| E. ALL REINFORCING STEEL BARS SHALL CONFORM TO ASTM A63 GRADE 33 FOR 10MM BARS AND 13MM AND LARGER BARS SHALL BE GRADE 40. |                   |                |
- PROVISIONS SET BY NSCP 2015 EDITION
3. CLEAR DISTANCE SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN 1.0 TIMES THE NOMINAL DIAMETER OF THE BAR OR 1.33 TIMES THE MINIMUM SIZE OF AGGREGATE, WHICHEVER IS GREATER.
  4. ALL FABRICATION, DETAILING AND PLACING SHALL CONFORM TO THE PROVISIONS SET BY NSCP 2015 EDITION.
  5. CLEAR DISTANCE SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN 1.0 TIMES THE NOMINAL DIAMETER OF THE BAR OR 1.33 TIMES THE MINIMUM SIZE OF AGGREGATE, WHICHEVER IS GREATER.
- (E.) MASONRY AND CONCRETE BLOCKS
1. CONCRETE HOLLOW BLOCKS, UNLESS OTHERWISE SPECIFIED SHALL BE 100MM THICK ON THE EXTERIOR WALLS AND 100MM THICK FOR THE INTERIOR WALLS. LOAD BEARING BLOCKS SHALL BE CAST WITH A MINIMUM COMPRESSIVE STRENGTH OF 40MPa (5780PSI).
  2. PROVIDE 1.5MM DIA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, EACH SIDE OF OPENINGS.
  3. Lintel BEAMS SHALL BEAR AT LEAST 200MM (8") ON EACH SIDE OF MASONRY WALL OPENING.
- WALL REINFORCEMENT SHALL BE AS FOLLOWS:
- | WALL THICKNESS | VERTICAL BARS | HORIZONTAL BARS |
|----------------|---------------|-----------------|
| 1. 100MM       | 10MM @ 400MM  | 10MM @ 400MM    |
| 2. 150MM       | 10MM @ 400MM  | 10MM @ 400MM    |
| 3. 200MM       | 10MM @ 400MM  | 10MM @ 400MM    |
4. BLOCK WALL REINFORCING BARS SHALL BE LAPPED OR 90 DEGREE WELDED WHERE SPLICED. HORIZONTAL/VERTICAL DOWELS FROM FOOTINGS, COLUMNS/WALLS OR SLABS SHALL BE LAPPED OR 90 DEGREE WELDED TO MATCH VERTICAL REINFORCEMENT OF WALLS.
- (F.) STRUCTURAL STEEL
1. ALL STRUCTURAL STEEL SUCH AS ANGLES, WIDE FLANGE SECTIONS, PERFORATED STEEL, CHANNELS, ETC. SHALL CONFORM TO ASTM A36.
  2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BASED ON THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES.
  3. CONNECTION BOLTS SHALL BE A307 UNLESS NOTED OTHERWISE. SHALL CONFORM TO ASTM A307 UNLESS NOTED OTHERWISE ON THE DRAWINGS.
  4. APPROXIMATELY 5% OF ALL BOLTS SHALL BE TESTED WITH THE FOLLOWING:
- | TYPE           | MINIMUM TENSILE STRENGTH (MPa) | MINIMUM ELONGATION (%) |
|----------------|--------------------------------|------------------------|
| A-307 DOMESTIC | 415                            | 22                     |
| A-307 DOMESTIC | 415                            | 22                     |
5. NON-SHANK BROUT-PREMANED, NON-METALLIC, CEMENT-BASED BROUT, MEETING THE REQUIREMENT OF ASTM C109 AND C109.2 WITH MINIMUM COMPRESSIVE STRENGTH OF 100MPa (14500PSI).
  6. PROVIDE MISCELLANEOUS PLATES, ANGLES AND ANCHORS AS SHOWN OR NOTED ON THE DRAWINGS.
  7. ALL CUTTING AND BLOCKING OF STEEL SHALL BE SHOWN ON SHOP DRAWINGS AND PERFORMED IN SHOP.
  8. PROVIDE TEMPORARY BRACING AS REQUIRED FOR A SAFE STRUCTURE UNTIL ALL FINAL CONNECTIONS ARE MADE.



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR  
AND LOCAL GOVERNMENT  
REGION VII

ADDRESS: SUCION LANIGU, CEBU CITY  
LOCATION: BRY. 7, GERVALES ST., DUMAGUETE CITY

PREPARED BY:  
**RAMERC C. VILLAGAMPA**  
ENGINEER II

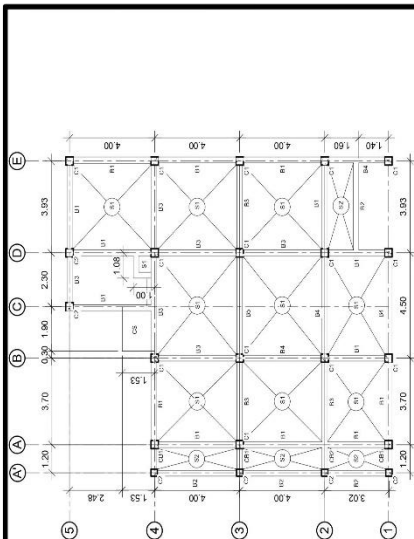
REVIEWED BY:  
**ARCHIE A. GARSON**  
ENGINEER IV

RECOMMENDING APPROVAL:  
**FARAH DIBA G. GENTUVA**

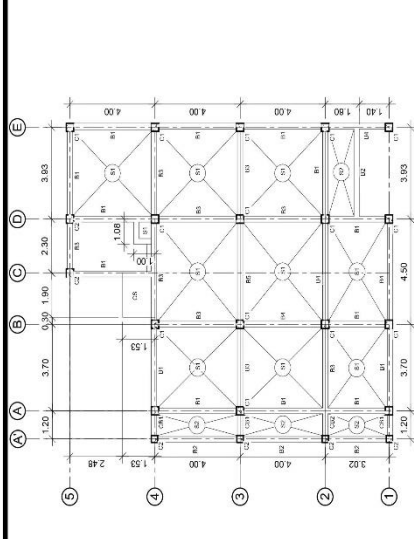
APPROVED:  
**LEOCADIO T. TROVELA, CESO IV**  
REGIONAL DIRECTOR, DILG REGION VII

SHEET  
**S-1**

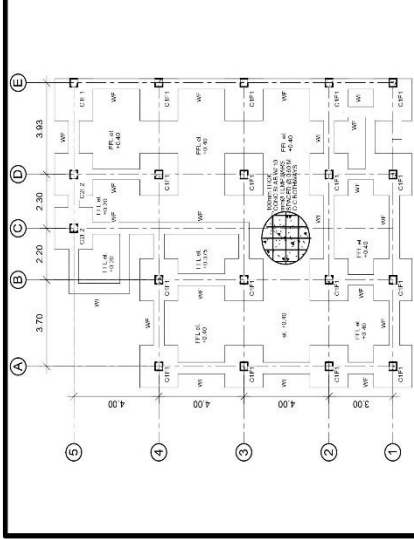
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SCALE AS INDICATED



**S2 FOUNDATION PLAN**  
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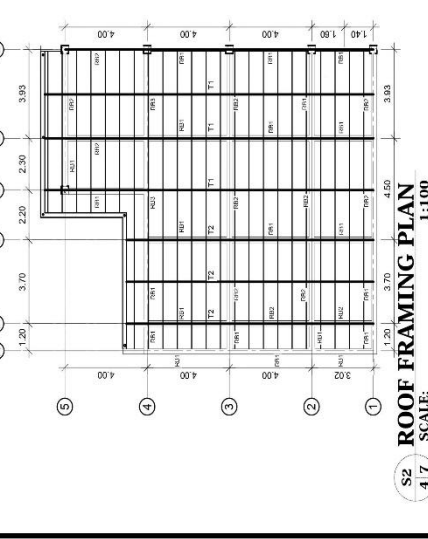
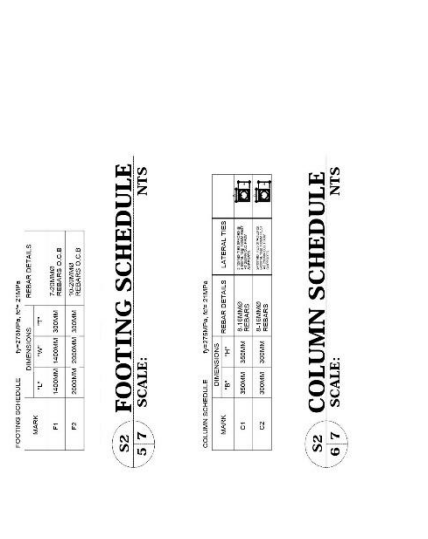
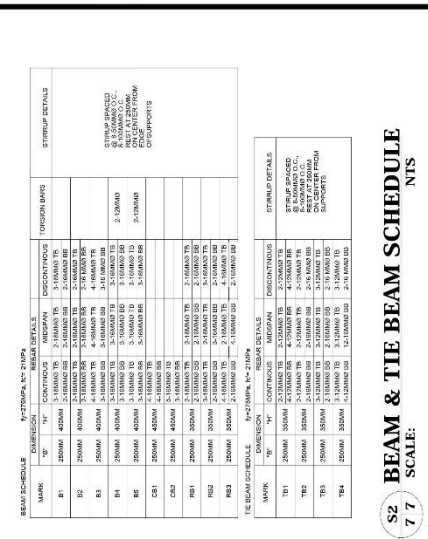


**S2 TIE BEAM PLAN**  
SCALE: 1:100



**S2 ROOF FRAMING PLAN**  
SCALE: 1:100

**S2 2ND FLOOR FRAMING PLAN**  
SCALE: 1:100



**S2 4/7**  
SCALE: 1:100

**S2 1/7**  
SCALE: 1:100

**S2 2/7**  
SCALE: 1:100

**S2 3/7**  
SCALE: 1:100

**S2 5/7**  
SCALE: 1:100

**S2 6/7**  
SCALE: 1:100

**S2 7/7**  
SCALE: 1:100

REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR  
AND LOCAL GOVERNMENT  
REGION VII  
ADDRESS: SUDILAN LAMUS, CERIL CITY

PREPARED BY: **STONEY PROJECTIONS**  
CORPORATION OFFICE  
(DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT)  
LOCATION: BRGY. 7, GERVALES ST. DUMAGUITE CITY

PREPARED BY: **RAMERC C. VILLACAMPA**  
ENGINEER III

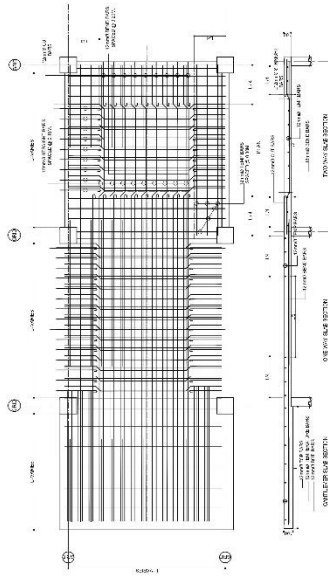
REVIEWED BY: **ARCHIE A. GARSON**  
ENGINEER IV

RECOMMENDING APPROVAL: **FARAH DIBA G. GENTUYA**  
C/O-PROVINCIAL DIRECTOR DILG NEGROS ORIENTAL

APPROVED: **LEOCADIO T. TROVELA, CESO IV**  
REGIONAL DIRECTOR, DILG REGION VII

SHEET CONTENTS  
SCALE AS INDICATED

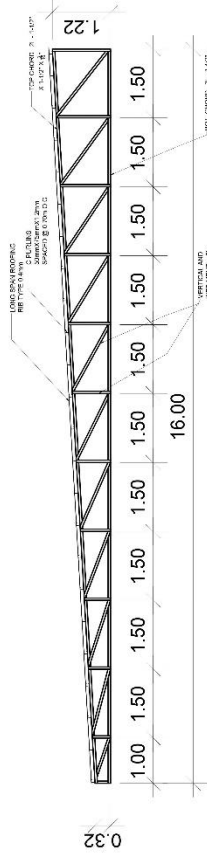
SHEET **S2**



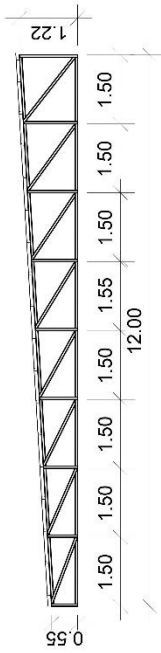
**S3 TYP. SLAB REBAR DET.**  
SCALE: 1:100

SCHEDULE OF SUSPENDED SLABS				REMARKS			
MARK	PREPARED BY	DATE	REVISION	APPROVED BY	DATE	REVISION	REMARKS
S3	RAMIRE C. VILLACAMPA	10/10/2023	1	LEONARDO T. TROVELA	10/10/2023	1	FOR APPROVAL
S3	ARCHIE A. GARSON	10/10/2023	2	LEONARDO T. TROVELA	10/10/2023	2	FOR APPROVAL
S3	ARCHIE A. GARSON	10/10/2023	3	LEONARDO T. TROVELA	10/10/2023	3	FOR APPROVAL

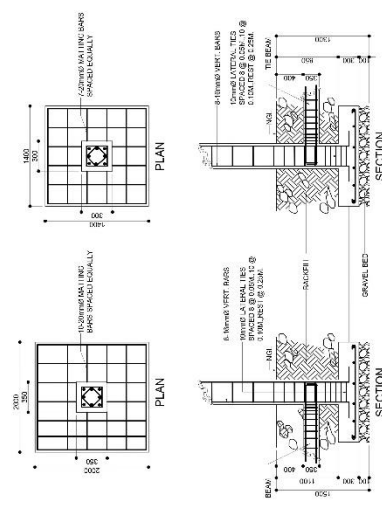
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SCALE: 1:100



**S3 T1 TRUSS DETAIL**  
SCALE: 1:50

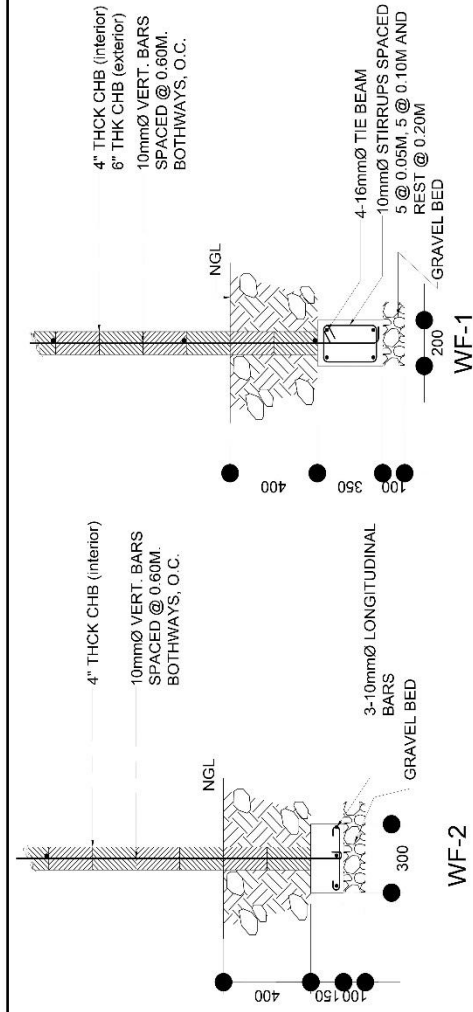


**S3 T2 TRUSS DETAIL**  
SCALE: 1:50



**S3 COLUMN-FOOTING DETAILS**  
SCALE: 1:50

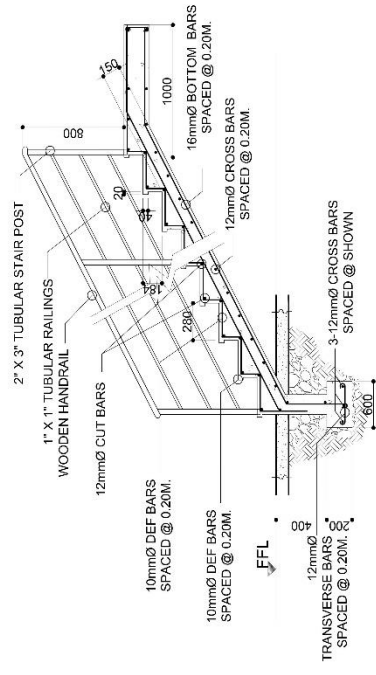
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT REGION VII	PROVINCE OF BUTUAN	CITY OF BUTUAN	LOCATION: BRGY. 7, GERAVANTES ST. DAMAGUETE CITY
ADDRESS: SUKOLONG, GEBU CITY	ENGINEER I:	ENGINEER II:	ENGINEER III:
ARCHIE A. GARSON	RAMIRE C. VILLACAMPA	FARAH DIBA G. GENTUYA	LEONARDO T. TROVELA, CESO IV
RECOMMENDING APPROVAL:	APPROVED:	REVIEWED BY:	APPROVED:
REGIONAL DIRECTOR: DLG REGION VII	REGIONAL DIRECTOR: DLG REGION VII	REGIONAL DIRECTOR: DLG REGION VII	REGIONAL DIRECTOR: DLG REGION VII
SCALE: AS INDICATED	SCALE: AS INDICATED	SCALE: AS INDICATED	SCALE: AS INDICATED



WF-1

WF-2

**S4 TYP. WALL FOOTING DETAILS**  
NTS  
SCALE: 1/2



**S4 STAIR DETAILS**  
NTS  
SCALE: 2/2

	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT REGION VII ADDRESS: SUDJON LANGU, CEBU CITY	PREPARED BY: <b>RAMERE C. VILLACAMPA</b> ENGINEER II	REVIEWED BY: <b>ARCHIE A. GARSON</b> ENGINEER IV	RECOMMENDING APPROVAL: <b>FARAH DIBA G. GENTUYA</b> DDC-PROVINCIAL DIRECTOR/DIG NEGROS ORIENTAL	APPROVED: <b>LEOCADIO T. TROVELA, CESO IV</b> REGIONAL DIRECTOR, DIG REGION VII	SHEET CONTENTS:  SCALE: AS INDICATED	SHEET 
	LOCATION: BLDG. 7, CERVANTES ST. DUMAGUETE CITY (DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT) SUPERVISOR: CESO II						

## ***Section VIII. Bill of Quantities***

### **Notes on the Bill of Quantities**

#### **Objectives**

The objectives of the Bill of Quantities are:

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

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

#### **Daywork Schedule**

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

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

#### **Provisional Sums**

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

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

### **Signature Box**

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

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

**REPUBLIC OF THE PHILIPPINES**  
**DEPARTMENT OF THE INTERIOR & LOCAL GOVERNMENT**  
**REGION VII**

**Name of Project:** **PROPOSED TWO-STOREY PROVINCIAL OPERATIONS OFFICE**  
**(Department of the Interior and Local Government)**

**Location:** **DUMAGUETE CITY, NEGROS ORIENTAL**

**BILL OF QUANTITIES**

ITEM. NO.	WORK DESCRIPTION	UNIT	QTY.	UNIT COST	AMOUNT
<b>I</b>	<b>GENERAL REQUIREMENTS</b>				
I.1	MOBILIZATION AND DEMOBILIZATION	lot	1.00	-	-
I.2	PERMITS AND CLEARANCES	lot	1.00	-	-
I.3	SAFETY AND HEALTH	lot	1.00	-	-
I.4	PROJECT BILLBOARD	set	1.00	-	-
I.5	TEMPORARY FACILITY	lot	1.00	-	-
	<b>Sub-total for Item No. I</b>				-
<b>II</b>	<b>DEMOLITION AND HAULING OF WASTE MATERIALS</b>	LOT	1.00	-	-
	<b>Sub-total for Item No. II</b>				-
<b>III.</b>	<b>EARTHWORKS</b>				
III.1	EXCAVATION (including Septic Tank)	cu.m	161.00	-	-
III.2	BACKFILL (backfill materials)	cu.m	58.00	-	-
III.3	GRAVEL BEDDING (3/4") (0.10m thick) (including Septic)	cu.m	25.00	-	-
	<b>Sub-total for Item No. III</b>				-
<b>IV.</b>	<b>STRUCTURAL WORKS (3000 PSI Concrete)</b>	cu.m	118.73	-	-
	<b>Sub-total for Item No. IV</b>				-
<b>V.</b>	<b>MASONRY WORKS (including Septic Tank)</b>	sq.m	604.35	-	-
	<b>Sub-total for Item No. V</b>				-
<b>VI.</b>	<b>CEILING</b>	sq.m	245.00	-	-
	<b>Sub-total for Item No. VI</b>				-
<b>VII.</b>	<b>ROOFING WORKS</b>				
	ROOF & FRAMING	sq.m	171.00	-	-
	<b>Sub-total for Item No. VII</b>				-
<b>VIII.</b>	<b>PLUMBING WORKS</b>	lot	1.00	-	-
	<b>Sub-total for Item No. VIII</b>				-
<b>IX.</b>	<b>ELECTRICAL WORKS</b>	lot	1.00	-	-
	<b>Sub-total for Item No. IX</b>				-
<b>X.</b>	<b>DOORS</b>	lot	1.00	-	-
	<b>Sub-total for Item No. X</b>				-
<b>XI.</b>	<b>WINDOWS</b>	lot	1.00	-	-
	<b>Sub-total for Item No. XI</b>				-
<b>XII.</b>	<b>FORMWORKS &amp; SCAFFOLDINGS</b>	sq.m	432.00	-	-
	<b>Sub-total for Item No. XII</b>				-
<b>XIII.</b>	<b>STAIRS &amp; RAMP RAILINGS</b>	lot	1.00	-	-
	<b>Sub-total for Item No. XIII</b>				-
<b>XIV.</b>	<b>CONCRETE CANOPY AND CONCRETE MOULDINGS</b>	lm	72.00	-	-
	<b>Sub-total for Item No. XIV</b>				-
	<b>Sub-total for Item No. XVI</b>				-
	<b>TOTAL PROJECT COSTS</b>				-

PREPARED:

  
**RAMERE C. VILLACAMPA**  
 Engineer II

CHECKED & REVIEWED:

**ARCHIE A. GARSON**  
 Engineer IV

RECOMMENDING APPROVAL:

  
**FARAH DIJA G. GENTUYA**  
 OIC-Provincial Director - DILG Negros Oriental

APPROVED:

**LEOCADIO T. TROVELA, CESO IV**  
 Regional Director - DILG 7



## ***Section IX. Checklist of Technical and Financial Documents***

### **Notes on the Checklist of Technical and Financial Documents**

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

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

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

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**or**
- (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; **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;  
**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;
  - c. List of contractor’s major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- (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.





Republic of the Philippines  
**DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT**  
Region VII, Sudlon, Lahug, Cebu City  
Tel. Nos. 255-7730 & 253-5471; Fax No. 253-5473  
E-mail addresses: dilgro7@cvis.net.ph; dilgregion7\_cv@yahoo.com

### SUPPLEMENTAL BID BULLETIN NO. 1

Project Name: **PROCUREMENT OF INFRASTRUCTURE SERVICE FOR THE CONSTRUCTION OF TWO-STOREY PROVINCIAL OPERATIONS OFFICE OF DILG NEGROS ORIENTAL (PHASE 1)**

Reference No: **DILG-R7BAC-INF-2021-01**

Date: October 25, 2021

This Bid Bulletin is issued to inform the bidders of the following:

1. **Section III. Bid Data Sheet (BDS)** – added new information to ITB clause 10.4 to include more detailed qualifications for the key personnel for the construction project and also added Foreman as a key personnel. The updated instructions of ITB clause 10.4 will now be presented as:

<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>
<b>Project Manager</b> - Graduate of any Engineering course	10 yrs.	Construction of vertical structure/building
<b>Project Engineer</b> - Licensed Civil Engineer	5 yrs.	Construction of vertical structure/building
<b>Materials Engineer</b> - Licensed Civil Engineer	5 yrs.	Construction of vertical structure/building
<b>Safety Officer</b> - Must be Safety Officer II	5 yrs.	Construction of vertical structure/building
<b>Foreman</b>	2 yrs.	Construction of vertical structure/building

2. **Section III. Bid Data Sheet (BDS)** - ITB clause 15.2 is added in the original BDS with the following instruction: "The Bid Security shall be valid for a period of one hundred twenty (120) calendar days from the date of Bid Opening."

3. **Section VIII. Bill of Quantities (BoQ)** – added the Detailed Unit Price Analysis and Technical Specifications in the BoQ. To wit:

a. Detailed Unit Price Analysis

Project Name: PROPOSED TWO-STOREY PROVINCIAL OPERATIONS OFFICE  
(Department of the Interior and Local Government)  
Location: Dumagueta City, Negros Oriental

**DETAILED UNIT PRICE ANALYSIS**

**I GENERAL REQUIREMENT**  
**I.1 MOBILIZATION AND DEMOBILIZATION**  
Quantity: 1.00  
Unit: lot

A. Material:					
Description	Qty.	Unit	Unit Cost	Amount	
Material Cost: P 0.00					
B. Equipment:					
Description	Qty.	Days	Rate/Day	Amount	
Backhoe	1	2		-	
Dumptruck	1	2		-	
Equipment Cost: P 0.00					
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	2		-	
Helper	4	2		-	
Labor Cost: P 0.00					
Total Direct Cost (A+B+C): P 0.00					
Indirect Cost: P 0.00					
Profit					
OCM					
[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX P 0.00					
Total Cost = P 0.00					
Unit Cost =					

**I.2 PERMITS AND CLEARANCES**  
Quantity: 1.00  
Unit: lot

A. Material:					
Description	Qty.	Unit	Unit Cost	Amount	
Permits and Clearances	1.00	lot		-	
Material Cost: P 0.00					
B. Equipment:					
Description	Qty.	Days	Rate/Day	Amount	
Equipment Cost: P 0.00					
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Labor Cost: P 0.00					
Total Direct Cost (A+B+C): P 0.00					
Indirect Cost: P 0.00					
Profit					
OCM					
[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX P 0.00					
Total Cost = P 0.00					
Unit Cost =					

**I.3 SAFETY AND HEALTH**

Quantity: 1.00

Unit: lot

<b>A. Material:</b>					
Description	Qty.	Unit	Unit Cost	Amount	
Safety Shoes ( Free Size )	25	pair		-	
Safety Gloves ( Free Size )	30	pair		-	
Safety Goggles ( Free Size )	5	pcs		-	
Hard Hat ( Different Sizes )	20	pcs		-	
High Visibility Waistcoats	10	set		-	
Medicine kit	1	set		-	
				<b>Material Cost:</b>	<b>P 0.00</b>
<b>B. Equipment:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Safety Officer	1	20		-	
				<b>Equipment Cost:</b>	<b>P 0.00</b>
<b>C. Labor:</b>					
Description	Qty.	Days	Rate/Day	Amount	
-					
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit:</b>	<b>P 0.00</b>
				<b>OCM</b>	
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

**I.4 PROJECT BILLBOARD**

Quantity: 1.00

Unit: set

<b>A. Material:</b>					
Description	Qty.	Unit	Unit Cost	Amount	
2.4 m x 2.4 m Tarpulin with Print sign	1	sheet		-	
2" x 2" x 10', coco lumber	10	pcs		-	
3" concrete wire nails	1	kgs		-	
1 1/2" concrete wire nails	0.25	kg		-	
				<b>Material Cost:</b>	<b>P 0.00</b>
<b>B. Equipment:</b>					
Description	Qty.	Days	Rate/Day	Amount	
-					
				<b>Equipment Cost:</b>	<b>P 0.00</b>
<b>C. Labor:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	1		-	
Carpentry	1	1		-	
Laborer	1	1		-	
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit:</b>	<b>P 0.00</b>
				<b>OCM</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

**I.5 TEMPORARY FACILITY**

Quantity: 1.00

Unit: lot

<b>A. Material:</b>					
Description	Qty.	Unit	Unit Cost	Amount	
Materials	1	lot			-
				<b>Material Cost:</b>	<b>P 0.00</b>
<b>B. Equipment:</b>					
Description	Qty.	Days	Rate/Day	Amount	
				<b>Equipment Cost:</b>	<b>P 0.00</b>
<b>C. Labor:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	3.0			-
Mason/Carpentry	2	3.0			-
Laborer	4	3.0			-
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit:</b>	<b>P 0.00</b>
				<b>OCM</b>	
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

**ITEM II. DEMOLITION OF EXISTING STRUCTURE AND HAULING OF WASTE MATERIAL**

<b>A. Material:</b>					
Description	Qty.	Unit	Unit Cost	Amount	
				<b>Material Cost:</b>	<b>P 0.00</b>
<b>B. Equipment:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Jack Hammer	1	5			-
Backhoe (w/o hammer)	1	5			-
Dump truck	1	5			-
				<b>Equipment Cost:</b>	<b>P 0.00</b>
<b>C. Labor:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	5			-
Carpenter/Mason	6	5			-
Helper	6	5			-
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit:</b>	<b>P 0.00</b>
				<b>OCM</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	



ITEM III. EARTHWORKS

III.1 EXCAVATION (Including Septic Tank)

Quantity: 161.00

Unit: cu.m

A. Material:					
Description	Qty.	Unit	Unit Cost	Amount	
Excavation	161.00	cu.m	-	-	
				<b>Material Cost:</b>	<b>P 0.00</b>
B. Equipment:					
Description	Qty.	Days	Rate/Day	Amount	
Backhoe	1	7	-	-	
				<b>Equipment Cost:</b>	<b>P 0.00</b>
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	8	-	-	
Carpenter/Mason	2	8	-	-	
Helper	4	8	-	-	
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit</b>	<b>P 0.00</b>
				<b>OCM</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12%] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

**III.2 BACKFILL (Backfill Materials)**

Quantity: 58.00

(w/ 20% Shrinkage Factor)

Unit: cu.m

A. Material:					
Description	Qty.	Unit	Unit Cost	Amount	
Backfill materials	58.00	cu.m			
				<b>Material Cost:</b>	<b>P 0.00</b>
B. Equipment:					
Description	Qty.	Days	Rate/Day	Amount	
Mini Compactor	2.00	5			
				<b>Equipment Cost:</b>	<b>P 0.00</b>
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	5			
Carpenter/Mason	2	5			
Helper	1	5			
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit</b>	<b>P 0.00</b>
				<b>OCM</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

**III.3 GRAVEL BEDDING (1") (0.10m thick) (including Septic Tank)**

Quantity: 25.00

(w/ 5% Waste Factor)

Unit: cu.m

A. Material:					
Description	Qty.	Unit	Unit Cost	Amount	
Gravel Bedding 1"	25.00	cu.m			
				<b>Material Cost:</b>	<b>P 0.00</b>
B. Equipment:					
Description	Qty.	Days	Rate/Day	Amount	
Mini Compactor	2.00	3			
				<b>Equipment Cost:</b>	<b>P 0.00</b>
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	3			
Carpenter/Mason	2	3			
Helper	2	3			
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit</b>	<b>P 0.00</b>
				<b>OCM</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

ITEM IV. STRUCTURAL WORKS (3000 PSI Concrete)

COLUMN FOOTING  
WALL FOOTING/TIE BEAM  
SLAB ON GRADE  
SUSPENDED SLABS

COLUMNS  
BEAMS (2F & RB)  
STAIRWAY  
SEPTIC TANK ) - Slabs

Quantity: 118.73  
Unit: cu.m

(w/ 5% Waste Factor)

A. Materials:					
Description	Qty.	Unit	Unit Cost	Amount	
Portland Cement (type I)	1,214.00	bags		-	
Gravel (3/4")	118.00	cu.m		-	
River Sand (approved source)	59.00	cu.m		-	
Def. Bars 20mm dia x 6.0m	137.00	pcs		-	
Def. Bars 16mm dia x 6.0m	753.52	pcs		-	
Def. Bars 12mm dia x 6.0m	281.00	pcs		-	
Def. Bars 10mm dia x 6.0m	1,623.00	pcs		-	
G.I. Tie Wire #16	331.00	kg		-	
				<b>Material Cost:</b>	<b>P 0.00</b>
B. Equipment:					
Description	Qty.	Days	Rental/Day	Amount	
Concrete Vibrator	1.00	20		-	
Bar Cutter	1.00	20		-	
One-Bagger Mixer	2.00	20		-	
				<b>Equipment Cost:</b>	<b>P 0.00</b>
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	40		-	
Carpenter/Mason/Steelman	8	40		-	
Helper	18	40		-	
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit:</b>	<b>P 0.00</b>
				<b>OCM:</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX:</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

**ITEM V. MASONRY WORKS (including Septic Tank)**

Quantity: 004.35  
Unit: sq.m

370.35 150mm (w/ 5% Waste Factor)  
234 100mm (w/ 5% Waste Factor)  
Septic Tank 33.6 sqm 100mm (w/ 5% Waste Factor)

<b>A. Materials:</b>				
Description	Qty.	Unit	Unit Cost	Amount
Concrete Hollow Blocks 6" thk.	1,814.55	pcs		-
Concrete Hollow Blocks 4" thk.	3,042.00	pcs		-
Portland Cement (type I)-mortar	280.00	bags		-
River Sand (approved source)-mortar	25.40	cu.m.		-
Portland Cement (type I)-plaster	282.00	bags		-
River Sand (approved source) plaster	42.32	cu.m.		-
Def. Bars 12mm dia x 6.0m	369.00	pcs		-
Def. Bars 10mm dia x 6.0m	164.00	pcs		-
G.I. Tie Wire #16	37.00	kgs		-
<b>Material Cost:</b>				<b>P 0.00</b>
<b>B. Equipment:</b>				
Description	Qty.	Days	Rental/Day	Amount
One-Bagger Mixer	1.00	12		-
<b>Equipment Cost:</b>				<b>P 0.00</b>
<b>C. Labor:</b>				
Description	Qty.	Days	Rate/Day	Amount
Foreman	1	21		-
Carpenter/Mason/Steelman	7	21		-
Helper	12	21		-
<b>Labor Cost:</b>				<b>P 0.00</b>
<b>Total Direct Cost (A+B+C):</b>				<b>P 0.00</b>
<b>Indirect Cost:</b>				<b>P 0.00</b>
<b>Profit</b>				<b>P 0.00</b>
<b>OCM</b>				<b>P 0.00</b>
<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>				<b>P 0.00</b>
<b>Total Cost =</b>				<b>P 0.00</b>
<b>Unit Cost =</b>				<b>-</b>

**ITEM VI. CEILING**

Quantity: 245.00  
Unit: sq.m

(w/ 5% Waste Factor)

<b>A. Materials:</b>						
Description	Qty.	Unit	Unit Cost	Amount		
<b>TEE RUNNER SYSTEM = 331 SQ.M.</b>						
Acoustic Ceiling Boards 12mm X 0.60m X 1.20m	460.00	pcs		-		
Tee Runners 25mm X 25mm X 2.44m	330.00	pcs		-		
Wall Angle 25mm X 25mm X 3.0m	17.00	pcs		-		
Hanger Rod (#8)	80.00	L.M		-		
Expansion Shank	300.00	pcs		-		
<b>TIGHT-STEEL FRAMING (Spandrel Ceiling) = 28 SQ.M.</b>						
Spandrel Ceiling	275.00	L.M		-		
Furring Channel 19mm X 50mm X 5.0m T=0.40mm	30.00	pcs		-		
Carrying Channel 17mm X 38mm X 5.0m T=0.80mm	30.00	pcs		-		
Wall Angle 25mm X 25mm X 2.40m T=0.40mm	30.00	pcs		-		
W - Clip	210.00	pcs		-		
Suspension Clip & Rod Joiner (#8)	110.00	shes		-		
Concrete Nails 1"	1.50	kgs		-		
Ficem Joint Plaster (20kg/bag)	6.00	bags		-		
Jointing Tape (2" X 250')	3.00	rolls		-		
Pan Head Screw 3/4"	600.00	pcs		-		
Ficem Screw 1"	3,500.00	pcs		-		
<b>MOULDINGS = 300 L.M. (w/ 5% wastage allowance)</b>						
3" Cornice Moulding 3.0m	130.00	pcs		-		
Body Filler	2.00	gals		-		
Concrete Nails (# 3" & 2.1/2")	4.00	pcs		-		
Common Wire Nails (# 1", 1 1/2, 3 & 4)	5.00	kgs		-		
				<b>Material Cost:</b>	<b>P</b>	<b>0.00</b>
<b>B. Equipment:</b>						
Description	Qty.	Days	Rental/Day	Amount		
None				None		
				<b>Equipment Cost:</b>	<b>P</b>	<b>0.00</b>
<b>C. Labor:</b>						
Description	Qty.	Days	Rate/Day	Amount		
Foreman	1	16		-		
Carpenter/Mason/Steelman	6	16		-		
Helper	6	16		-		
				<b>Labor Cost:</b>	<b>P</b>	<b>0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P</b>	<b>0.00</b>
				<b>Indirect Cost:</b>	<b>P</b>	<b>0.00</b>
				<b>Profit:</b>	<b>P</b>	<b>0.00</b>
				<b>O&amp;M:</b>	<b>P</b>	<b>0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX:</b>	<b>P</b>	<b>0.00</b>
				<b>Total Cost =</b>	<b>P</b>	<b>0.00</b>
				<b>Unit Cost =</b>		

**ITEM VII. ROOFING WORKS  
ROOF & FRAMING**

Quantity: 171.00  
Unit: sq.m

<b>A. Materials:</b>					
Description	Qty.	Unit	Unit Cost	Amount	
Rib Type Roofing 0.4mm	190	LM		-	
C-Purlins 75mm X 50mm X 1.2mm	50	length		-	
Angle Bars 1.5"x1.5"x3/16"	88	length		-	
Angle Bars 1"x1"x1/8"	47	length		-	
Wall Flashing 0.4mm X 2.4m	30	pcs		-	
PF Foam Insulation	4	rolls		-	
No. 16 Tie Wire	30	kgs		-	
Tekscrew 50mm	1000	pcs		-	
Blind Rivets	250	pcs		-	
Sealant (colorless)	5	tube		-	
Spray Paint	2	pcs		-	
Welding Rod (7012)	2	box		-	
Red Oxide Primer (2coats)	3	gal		-	
Red Oxide Primeguard (2coat)	3	gal		-	
Cutting Disc 14"	3	pcs		-	
Paint Brush 2"	4	pcs		-	
Paint Brush 3"	4	pcs		-	
<b>Material Cost:</b>				<b>P</b>	<b>0.00</b>
<b>B. Equipment:</b>					
Description	Qty.	Days	Rental/Day	Amount	
Welding Machine	1.00	7.00		-	
Cut-off Machine	1.00	7.00		-	
<b>Equipment Cost:</b>				<b>P</b>	<b>0.00</b>
<b>C. Labor:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	14		-	
Welder/Installer	4	14		-	
Helper	4	14		-	
<b>Labor Cost:</b>				<b>P</b>	<b>0.00</b>
<b>Total Direct Cost (A+B+C):</b>				<b>P</b>	<b>0.00</b>
<b>Indirect Cost:</b>				<b>P</b>	<b>0.00</b>
<b>Profit</b>				<b>P</b>	<b>0.00</b>
<b>OCM</b>				<b>P</b>	<b>0.00</b>
<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>				<b>P</b>	<b>0.00</b>
<b>Total Cost =</b>				<b>P</b>	<b>0.00</b>
<b>Unit Cost =</b>					

ITEM VIII. PLUMBING WORKS

Quantity: 1.00

Unit: unit

A. Materials:				
Description	Qty.	Unit	Unit Cost	Amount
<i>SANITARY for 1st floor (including SEPTIC TANK)</i>				
PVC Sanitary Pipes 4"Ø X 3.0m (S-1000)	21.00	pcs	-	-
PVC Sanitary Pipes 2"Ø X 3.0m (S-1000)	10.00	pcs	-	-
PVC Elbow (90°) 4"Ø	5.00	pcs	-	-
PVC Wye 4" X 4"	5.00	pcs	-	-
PVC Tee 4"Ø	6.00	pcs	-	-
PVC Elbow (90°) 2"Ø	5.00	pcs	-	-
PVC Elbow (45°) 2"Ø	1.00	pcs	-	-
PVC Wye 2" X 2"	5.00	pcs	-	-
PVC I-Trap 2"Ø w/ Clean Out	3.00	pcs	-	-
PVC Clean Out 4"Ø	5.00	pcs	-	-
PVC Clean Out 2"Ø	2.00	pcs	-	-
Solvent (pint)	5.00	cans	-	-
Floor Drain 4" x 4" (stainless steel)	3.00	pcs	-	-
Water Closet w/ Complete Fittings and Accessories	3.00	sets	-	-
Wall Hung Lavatory w/ Complete Accessories	3.00	sets	-	-
Toilet Paper Holder	3.00	pcs	-	-
Stainless Sink-Drainboard w/ Complete Fittings	1.00	pcs	-	-
Gooseneck Faucet	1.00	pcs	-	-
<i>WATER SUPPLY for 1st floor</i>				
PPR Pipe 1/2" PN16 4m/length with coupling	12.00	length	-	-
PPR Elbow (90°) 1/2"	14.00	pcs	-	-
PPR Tee 1/2"	7.00	pcs	-	-
PPR Threaded Tee 1/2"	3.00	pcs	-	-
PPR Threaded Elbow 1/2"	6.00	pcs	-	-
Gate Valve 1/2"	5.00	pcs	-	-
Teflon 1"	10.00	pcs	-	-
Water Meter	1.00	set	-	-
Check valve 1/2"	1.00	pcs	-	-
<i>SANITARY for 2nd floor</i>				
PVC Sanitary Pipes 4"Ø X 3.0m (S-1000)	4.00	pcs	-	-
PVC Sanitary Pipes 2"Ø X 3.0m (S-1000)	7.00	pcs	-	-
PVC Wye 4" X 4"	3.00	pcs	-	-
PVC Elbow (45°) 4"Ø	1.00	pcs	-	-
PVC Elbow (90°) 2"Ø	4.00	pcs	-	-
PVC Wye 2" X 2"	6.00	pcs	-	-
PVC Clean Out 4"Ø	1.00	pcs	-	-
PVC Clean Out 2"Ø	1.00	pcs	-	-
Floor Drain 4" x 4" (stainless steel)	4.00	pcs	-	-
Water Closet w/ Complete Fittings and Accessories	2.00	sets	-	-
Wall Hung Lavatory w/ Complete Accessories	2.00	sets	-	-
<i>WATER SUPPLY for 2nd floor</i>				
PPR Pipe 1/2" PN16 4m/length with coupling	8.00	length	-	-
PPR Elbow (90°) 1/2"	174.00	pcs	-	-
PPR Tee 1/2"	1.00	pcs	-	-
PPR Threaded Tee 1/2"	3.00	pcs	-	-
PPR Threaded Elbow 1/2"	4.00	pcs	-	-
Shower w/ Complete Accessories	2.00	sets	-	-
			Material Cost: P	0.00
B. Equipment:				
Description	Qty.	Days	Rental/Day	Amount
PPR Fusion machine	1	3		0
			Equipment Cost: P	0.00
C. Labor:				
Description	Qty.	Days	Rate/Day	Amount
Foreman	1	10		-
Plumber	2	10		-
Helper	2	10		-
			Labor Cost: P	0.00
			Total Direct Cost (A+B+C): P	0.00
			Indirect Cost: P	0.00
			Profit P	0.00
			OCM P	0.00
			[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX P	0.00
			Total Cost = P	0.00
			Unit Cost =	

**ITEM IX. ELECTRICAL WORKS**

Quantity: 1.00

Unit: lot

<b>A. Materials:</b>					
Description	Qty.	Unit	Unit Cost	Amount	
15KVA Transformer 1Phase, 220V, 60Hz	1.00	set	Phase II	-	
Panel Board Bolt-on Type, 24 Branches, 200A Main Center	1.00	pcs		-	
Circuit Breaker 200A, TQD, 200A, Single Phase w/ metal Enclosure	1.00	set		-	
Circuit Breaker 15A, Bolt-on	6.00	pcs		-	
Circuit Breaker 20A, Bolt-on	19.00	pcs		-	
Circuit Breaker 40A, Bolt-on	1.00	pcs		-	
50mm <sup>2</sup> THW wire strands (Black)	30.00	mtrs		-	
50mm <sup>2</sup> THW wire strands (White)	30.00	mtrs		-	
10.0mm <sup>2</sup> THWN wire strands (Green)	16.00	mtrs		-	
8.0mm <sup>2</sup> THWN wire strands (White)	10.00	mtrs		-	
8.0mm <sup>2</sup> THWN wire strands (Black)	10.00	mtrs		-	
5.5mm <sup>2</sup> THWN wire strands (White)	2.00	box		-	
5.5mm <sup>2</sup> THWN wire strands (White)	2.00	box		-	
12W Recessed Lighting (LED)	1.00	box		-	
3.5mm <sup>2</sup> THWN wire strands (White)	2.00	box		-	
3.5mm <sup>2</sup> THWN wire strands (Black)	2.00	box		-	
2.0mm <sup>2</sup> THWN wire strands (White)	3.00	box		-	
2.0mm <sup>2</sup> THWN wire strands (Black)	3.00	box		-	
2.0mm <sup>2</sup> THWN wire strands (Green)	5.00	box		-	
Electrical PVC Pipes (3/4" X 3.0m)	100.00	pcs		-	
Elec. PVC Elbow (3/4")	20.00	pcs		-	
Elec. PVC Adaptor (3/4")	276.00	pcs		-	
Service Entrance Cap 1/1/4"	1.00	pcs		-	
Utility Box 2"x4"	93.00	pcs		-	
Junction Box	96.00	pcs		-	
Electrical Tape	15.00	roll		-	
9W Recessed Lighting (LED)	17.00	pcs		-	
12W Recessed Lighting (LED)	6.00	set		-	
24" 8W T8 LED w/Recessed Troffer Louvered housing	28.00	set		-	
12W Wall Lamp	6.00	set		-	
12W T8 Lighting (LED)	1.00	pcs		-	
Ceiling type Ventilating Exhaust Fan	3.00	pcs		-	
Duplex Convenience Outlet	53.00	pcs		-	
Aircon Outlet	11.00	pcs		-	
Thumbler Switch - 3 gang (Flush)	6.00	pcs		-	
Thumbler Switch - 2 gang (Flush)	7.00	pcs		-	
Thumbler Switch - 1 gang (Flush)	9.00	pcs		-	
Service Drop Wire #1/0 ACSR	30.00	mtrs		-	
Cut-out Fuse w/ Lightning Arrester Combination	1.00	set		-	
				<b>Material Cost:</b>	<b>P 0.00</b>
<b>B. Equipment:</b>					
Description	Qty.	Days	Rental/Day	Amount	
None				None	
				<b>Equipment Cost:</b>	<b>P 0.00</b>
<b>C. Labor:</b>					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	22		-	
Electrician	2	22		-	
Helper	4	22		-	
				<b>Labor Cost:</b>	<b>P 0.00</b>
<b>Total Direct Cost (A+B+C):</b>				<b>P</b>	<b>0.00</b>
<b>Indirect Cost:</b>				<b>P</b>	<b>0.00</b>
<b>Profit</b>				<b>P</b>	<b>0.00</b>
<b>OCM</b>				<b>P</b>	<b>0.00</b>
<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>				<b>P</b>	<b>0.00</b>
<b>Total Cost =</b>				<b>P</b>	<b>0.00</b>
<b>Unit Cost =</b>					



**ITEM X. DOORS**

Quantity: 1.00  
Unit: lot

A. Materials:				
Description	Qty.	Unit	Unit Cost	Amount
D1 Tempered Glass Double Door (Main Door/Conference)	2.00	set		-
D2 (Solid Panel Door/6" Jambas/Hinges/Door Knobs)	3.00	set		-
D3 (Glass door with analog frame and locksets)	1.00	set		-
D4 (Flush Door with kick plate/Jambas/Hinges/Door knob)	1.00	set		-
D5 (Flush Door/Jambas/Hinges/Door knob)	5.00	set		-
D6 (Steel doors with panic device)	2.00	set		-
<b>Material Cost:</b>				<b>P 0.00</b>
B. Equipment:				
Description	Qty.	Days	Rental/Day	Amount
<b>Equipment Cost:</b>				<b>P 0.00</b>
C. Labor:				
Description	Qty.	Days	Rate/Day	Amount
Foreman	1	6		-
Carpenter/Mason/Installer	3	6		-
Helper	3	6		-
<b>Labor Cost:</b>				<b>P 0.00</b>
<b>Total Direct Cost (A+B+C):</b>				<b>P 0.00</b>
<b>Indirect Cost:</b>				<b>P 0.00</b>
<b>Profit:</b>				<b>P 0.00</b>
<b>OCM:</b>				<b>P 0.00</b>
<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX:</b>				<b>P 0.00</b>
<b>Total Cost =</b>				<b>P 0.00</b>
<b>Unit Cost =</b>				<b>-</b>

**ITEM XI WINDOWS**

Quantity: 1.00  
Unit: lot

A. Materials:				
Description	Qty.	Unit	Unit Cost	Amount
W1 Fixed Slide-Slide-Fixed Window (1.25x3.07)	10.00	set		-
W2-Slide-Slide windows (1.25x1.54)	6.00	set		-
W3-Fixed Slide-Slide Window (1.25x2.24)	10.00	set		-
W4-Slide-Slide windows (0.90x1.54)	1.00	set		-
W5-Jalousie Window (0.70x0.55)	1.00	set		-
W6-Jalousie Window (0.70x0.55)	1.00	set		-
<b>Material Cost:</b>				<b>P 0.00</b>
B. Equipment:				
Description	Qty.	Days	Rental/Day	Amount
Miter Saw	1.00	3.00		-
<b>Equipment Cost:</b>				<b>P 0.00</b>
C. Labor:				
Description	Qty.	Days	Rate/Day	Amount
Foreman	1	9		-
Installer	2	9		-
Helper	2	9		-
<b>Labor Cost:</b>				<b>P 0.00</b>
<b>Total Direct Cost (A+B+C):</b>				<b>P 0.00</b>
<b>Indirect Cost:</b>				<b>P 0.00</b>
<b>Profit:</b>				<b>P 0.00</b>
<b>OCM:</b>				<b>P 0.00</b>
<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX:</b>				<b>P 0.00</b>
<b>Total Cost =</b>				<b>P 0.00</b>
<b>Unit Cost =</b>				<b>-</b>

**ITEM XII FORMWORKS & SCAFFOLDINGS**

Quantity: 432.00  
Unit: sq.m

assume: 2 usage for Columns & Beams

<b>A. Materials:</b>				
Description	Qty.	Unit	Unit Cost	Amount
Marine Plywood 1/2" x 4' x 8'	176.00	shfs		-
Good Lumber 2" x 2" x 10' (350pcs)	1,166.67	bd.ft		-
Good Lumber 2" x 3" x 10' (700pcs)	3,250.00	bd.ft		-
Common Wire Nails 1-1/2"	30.00	kgs		-
Common Wire Nails 4"	45.00	kgs		-
Common Wire Nails 3"	36.00	kgs		-
<b>Material Cost:</b>				<b>P 0.00</b>
<b>B. Equipment:</b>				
Description	Qty.	Days	Rental/Day	Amount
None				None
<b>Equipment Cost:</b>				<b>P 0.00</b>
<b>C. Labor:</b>				
Description	Qty.	Days	Rate/Day	Amount
Foreman	1	24		-
Carpenter	6	24		-
Helper	6	24		-
<b>Labor Cost:</b>				<b>P 0.00</b>
<b>Total Direct Cost (A+B+C):</b>				<b>P 0.00</b>
<b>Indirect Cost:</b>				<b>P 0.00</b>
<b>Profit</b>				<b>P 0.00</b>
<b>OCM</b>				<b>P 0.00</b>
<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>				<b>P 0.00</b>
<b>Total Cost =</b>				<b>P 0.00</b>
<b>Unit Cost =</b>				

**ITEM XIII STAIRS & RAMP RAILINGS**

Quantity: 1.00

Unit: lot

<b>A. Materials:</b>						
Description	Qty.	Unit	Unit Cost	Amount		
<i>RAMP</i>						
Stainless Steel 38mmØ x 6.0m, S20	7.00	pcs		-		
Stainless Welding Rod-NSS-E3016, 1.6mm	2.00	kgs		-		
Buffering Accessories	1.00	lump sum		-		
<i>STAIRS</i>						
Brass Stair Nosing ( 2.40m)	12.00	pcs		-		
Rectangular Tube 50mm X 75mm X 6.0m X 1.2mm	3.00	pcs		-		
Square Tube 25mm X 25mm X 6.0m X 1.2mm	7.00	pcs		-		
Hat Bars 6mm X 25mm X 6.0m	3.00	pcs		-		
Pre-painted Wooden Handrails 3" Width/Dia	4.00	pcs		-		
Welding Electrode, N-6011	6.00	kgs		-		
Sand Paper (assorted #100, #120)	18.00	pcs		-		
Paint Brush 2"	3.00	pcs		-		
Paint Brush 1"	3.00	pcs		-		
Body Filler	2.00	gal		-		
Cutting Disc 14"	3.00	pcs		-		
Red Oxide Primer (2coats)	1.00	gal		-		
Red Oxide Primeguard (2coat)	1.00	gal		-		
				<b>Material Cost:</b>	<b>P</b>	<b>0.00</b>
<b>B. Equipment:</b>						
Description	Qty.	Days	Rental/Day	Amount		
Welding Machine	1.00	8.00		-		
Cut-off Machine	1.00	8.00		-		
Angle Grinder 4"(for buffer)	1.00	8.00		-		
				<b>Equipment Cost:</b>	<b>P</b>	<b>0.00</b>
<b>C. Labor:</b>						
Description	Qty.	Days	Rate/Day	Amount		
Foreman	1	8		-		
Installer/Painter/Welder	2	8		-		
Helper	4	8		-		
				<b>Labor Cost:</b>	<b>P</b>	<b>0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P</b>	<b>0.00</b>
				<b>Indirect Cost:</b>	<b>P</b>	<b>0.00</b>
				<b>Profit:</b>	<b>P</b>	<b>0.00</b>
				<b>OCM:</b>	<b>P</b>	<b>0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX:</b>	<b>P</b>	<b>0.00</b>
				<b>Total Cost =</b>	<b>P</b>	<b>0.00</b>
				<b>Unit Cost =</b>		

**ITEM XIV. CONCRETE CANOPY AND CONCRETE MOULDINGS**


Quantity: 22.00  
Unit: /m

(w/ 5% Waste Factor)

A. Materials:					
Description	Qty.	Unit	Unit Cost	Amount	
Concrete Moulding	72.00	lm		-	
Portland Cement (type I)	15.00	bags		-	
River Sand (approved source)	3.00	cu.m		-	
Tile Adhesive (25kgs/Bag)	7.00	bags		-	
				<b>Material Cost:</b>	<b>P 0.00</b>
B. Equipment:					
Description	Qty.	Days	Rate/Day	Amount	
				<b>Equipment Cost:</b>	<b>P 0.00</b>
C. Labor:					
Description	Qty.	Days	Rate/Day	Amount	
Foreman	1	4		-	
Carpenter/Mason/Installer	3	4		-	
Helper	6	4		-	
				<b>Labor Cost:</b>	<b>P 0.00</b>
				<b>Total Direct Cost (A+B+C):</b>	<b>P 0.00</b>
				<b>Indirect Cost:</b>	<b>P 0.00</b>
				<b>Profit</b>	<b>P 0.00</b>
				<b>OCM</b>	<b>P 0.00</b>
				<b>[Sum of (EDC+ OCM + PROFIT) x 12% ] TAX</b>	<b>P 0.00</b>
				<b>Total Cost =</b>	<b>P 0.00</b>
				<b>Unit Cost =</b>	

PREPARED:

CHECKED & REVIEWED:

  
**RAMERE C. VILLACAMPA**  
Engineer II

**ARCHIE A. GARSON**  
Engineer IV

RECOMMENDING APPROVAL:

APPROVED:

  
**FARAH DILLA G. GENTUYA**  
OIC-Provincial Director - DILG Negros Oriental

**LEOCADIO T. TROVELA, CESO IV**  
Regional Director - DILG 7

## b. Technical Specifications

**REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF THE INTERIOR & LOCAL GOVERNMENT  
REGION VII**

**Name of Project:** PROPOSED TWO-STOREY PROVINCIAL OPERATIONS OFFICE  
(Department of the Interior and Local Government)  
**Location:** Dumaguete City, Negros Oriental

### TECHNICAL SPECIFICATIONS

ITEM	SCOPE OF WORK																																							
<b>I EXCAVATION</b>	<ul style="list-style-type: none"> <li>• 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 should be made deeper until the stratum for safe bearing capacity of the soil is reached.</li> </ul>																																							
<b>II BACKFILLS</b>	<ul style="list-style-type: none"> <li>• After concrete for foundations is hard enough to withstand pressure resulting from fills, the materials removed from excavation shall be used for backfill around them.</li> <li>• Backfill and fills shall be placed in layers not exceeding 150mm thickness, and each layer shall be thoroughly compacted by wetting, tamping and rolling.</li> </ul>																																							
<b>III CONCRETE WORKS</b>	<ul style="list-style-type: none"> <li>• The concrete mixture to be used is Class A, consist of 1 part cement, 2 parts fine aggregates and 4 parts of coarse aggregates.</li> <li>• Cement to be used for concrete is Portland Cement type-1.</li> <li>• Minimum cover for concrete structures.               <table style="margin-left: 20px; border: none;"> <tr> <td style="padding-right: 20px;">Footing =</td> <td style="padding-right: 20px;">75 mm</td> <td style="padding-right: 20px;">Beam =</td> <td>40 mm</td> </tr> <tr> <td>Column =</td> <td>40 mm</td> <td>Slabs =</td> <td>20 mm</td> </tr> </table> </li> <li>• Concrete strength is 3,000 psi at 28 days to floor slab, beams, footings &amp; columns.</li> <li>• Concrete should be mixed thoroughly such that there is uniform distribution among the cement and aggregates.</li> <li>• 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 structure.</li> <li>• The fine aggregates to be used shall consist of natural sand or of inert materials with similar characteristics, having hard, clean and durable grains, free from organic matters or loam.</li> <li>• The coarse aggregates to be used for concrete shall be of crushed rock of durable qualities, or clean and hard gravel. Size of coarse aggregates to be used shall vary from 20mm (3/4") to 40mm (1 1/2").</li> <li>• Water used in mixing shall be clean and free from other injurious amounts of soil, acid, alkaline, organic materials, or other substances that may be deleterious to concrete or steel.</li> <li>• Reinforcing steel bars to be used shall consist of standard deformed structural bars meeting ASTM, 615 (Grade 40), specifications.</li> <li>• Reinforcing steel bars shall be tied together at each bar intersection with Gauge No. 16 tie wire.</li> <li>• Reinforcing steel bars shall be free from grease/oil/rust.</li> </ul>	Footing =	75 mm	Beam =	40 mm	Column =	40 mm	Slabs =	20 mm																															
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<b>IV MASONRY WORKS</b>	<ul style="list-style-type: none"> <li>• Concrete hollow blocks to be used shall be 400 mm with good quality and readily availability in the locality.</li> <li>• 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 at least 10mm thick mortar.</li> <li>• All masonry works shall be undertaken in accordance with the standard specifications approved by the end user.</li> <li>• Reinforcing steel bars to be used shall consist of standard deformed structural bars meeting ASTM, 615 (Grade 40), specifications.</li> <li>• Reinforcing steel bars shall be tied together at each bar intersection with Gauge No. 16 tie wire.</li> <li>• All masonry works shall be undertaken in accordance with the standard specifications approved by the end user.</li> </ul> <p style="margin-left: 20px;">The following are the table quantity of cement and sand for plaster per square meter of area.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2" style="padding: 2px;">Mixture</th> <th colspan="4" style="padding: 2px;">Cement in Bags</th> </tr> <tr> <th colspan="4" style="padding: 2px;">Thickness of Plaster (sq.m)</th> </tr> <tr> <th style="padding: 2px;"></th> <th style="padding: 2px;">8 mm</th> <th style="padding: 2px;">12 mm</th> <th style="padding: 2px;">16 mm</th> <th style="padding: 2px;">20mm</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">0.114</td> <td style="padding: 2px;">0.216</td> <td style="padding: 2px;">0.288</td> <td style="padding: 2px;">0.360</td> </tr> <tr> <td style="padding: 2px;">B</td> <td style="padding: 2px;">0.096</td> <td style="padding: 2px;">0.144</td> <td style="padding: 2px;">0.192</td> <td style="padding: 2px;">0.240</td> </tr> <tr> <td style="padding: 2px;">C</td> <td style="padding: 2px;">0.072</td> <td style="padding: 2px;">0.108</td> <td style="padding: 2px;">0.144</td> <td style="padding: 2px;">0.180</td> </tr> <tr> <td style="padding: 2px;">D</td> <td style="padding: 2px;">0.060</td> <td style="padding: 2px;">0.090</td> <td style="padding: 2px;">0.120</td> <td style="padding: 2px;">0.150</td> </tr> <tr> <td style="padding: 2px;">Sand</td> <td style="padding: 2px;">0.008</td> <td style="padding: 2px;">0.012</td> <td style="padding: 2px;">0.016</td> <td style="padding: 2px;">0.020</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• On this project we recommend to used 20 mm thick of plaster on masonry wall.</li> <li>• Cement to be used for plaster is Portland Cement type-1.</li> <li>• The fine aggregates to be used shall consist of natural sand or of inert materials with similar characteristics, having hard, clean and durable grains, free from organic matters or loam.</li> <li>• Water used in mixing shall be clean and free from other injurious amounts of soil, acid, alkaline, organic materials, or other substances that may be deleterious to concrete or steel.</li> <li>• A day after plastering, water shall be applied on all plastered surfaces to prevent cracks caused by abrupt drying.</li> </ul>	Mixture	Cement in Bags				Thickness of Plaster (sq.m)					8 mm	12 mm	16 mm	20mm	A	0.114	0.216	0.288	0.360	B	0.096	0.144	0.192	0.240	C	0.072	0.108	0.144	0.180	D	0.060	0.090	0.120	0.150	Sand	0.008	0.012	0.016	0.020
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<b>V ELECTRICAL WORKS</b>	<ul style="list-style-type: none"> <li>• The electrical installation shall be done in accordance with approved plans and under the direct supervision and control of a licensed Professional Electrical Engineer or Master Electrician.</li> <li>• The electrical wiring shall be install thru approved coilable PVC conduit and fittings.</li> </ul>																																							
<b>VI PLUMBING WORKS</b>	<ul style="list-style-type: none"> <li>• Plumbing materials to be used shall be of good quality and approved type.</li> <li>• Sloping pipes must be well supported and rigidly suspended to prevent sagging, displacement or pipe breakage, resulting in leakage of waste matter.</li> </ul>																																							

**VII TILEWORKS & STONE CLADDING**

- All tiles to be used shall be of good quality and approved by the end user.
- Installation of tiles shall be filled with cement mortar mixture of 1 part cement and 3 parts sand, by volume.
- All tiles shall be applied with tile adhesive prior to installation.


**VIII PAINTING WORKS**

- No exterior paint or interior finish shall be done under condition which may jeopardize the quality or appearance of the painting or finishing.
- All surface to receive paint should be cleaned and in proper condition.
- Nail holes, cracks or defects shall be carefully pulled after first coat with putty bleaching color of the stain or paint.
- Masonry or plaster shall be completely dried before any sealer or paint is applied. After the primer-sealer coat is dried, all visible suction spots shall be touched up before succeeding coats are applied. Work should not be continued until after all spots have been sealed. In the presence of high alkali conditions, surfaces should be washed to neutralize the alkali.
- For metals, it should be clean, dry and free from mill scale and rust. Remove all grease and oil from the surface. Unprimed galvanized metal shall be washed with metal etching solution and allowed to dry before applying a primer.
- For brick surfaces, it shall be wire-brushed clean.

**IX CEILING WORKS**

- Suspended ceiling shall be done in accordance with the approved plans and standard ceiling materials.

PREPARED BY:

  
**RAMERE C. VILLACAMPA**  
Engineer II

CHECKED & REVIEWED:

  
**ARCHIE A. GARSON**  
Engineer IV

APPROVED BY:

**LEOCADIO T. TROVELA**  
Regional Director

**ATTY. FERDINAND R. ALBAÑO**

Chairperson – BAC 