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Republic of the Philippines
PROVINCE OF DAVAO DEL SUR
Office of the Governor

**PROCUREMENT MANAGEMENT OFFICE
BIDS AND AWARDS COMMITTEE**

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9 June Davao del Sur

BIDDING DOCUMENTS

One Job Order for the
**CONSTRUCTION AND IMPROVEMENT OF
GREGORIO MATAS DISTRICT HOSPITAL
located at POBLACION, KIBLAWAN,
DAVAO DEL SUR**

all in accordance to plans, specifications and scope of work and the Green Procurement Policy as adopted by Executive Order No. 30 series of 2019

IB No. C-003-24

Date of Opening of Bids: March 05, 2024 at 09:00 A.M.
Start Date for Issuance of Bidding Documents: February 09, 2024

Sixth Edition
July 2020

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SECTION I.

INVITATION TO BID

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Invitation to Bid for C-003-24

Executive Order No. 30 series of 2019

CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL located at POBLACION, KIBLAWAN, DAVAO DEL SUR



all in accordance to plans, specifications and scope of work and the Green Procurement Policy as adopted by
Executive Order No. 30 series of 2019

1. The Provincial Government of Davao del Sur, through the CY 2022 Supplemental Budget – 20% Development Fund intends to apply the sum of P9,250,000.00 being the Approved Budget for the Contract (ABC) to payments under the contract for IB No. C-003-24. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Provincial Government of Davao del Sur now invites bids for the above Procurement Project. Completion of the Works is required 180 Calendar Days Contract Duration. 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 Provincial Government of Davao del Sur and inspect the Bidding Documents at the address given below during 8:00 A.M. – 5:00 P.M., Monday to Friday:

Engr. SHEILA MAE A. ZAPANTA, MPA
Administrative Officer IV
Head, BAC Secretariat for Infrastructure Projects

5. A complete set of Bidding Documents may be acquired by interested bidders on February 09 - March 05, 2024, at the Office of the BAC Secretariat Room 16, Executive Building, Capitol Compound, Brgy. Mati, Digos City upon accomplishing a bidder’s assessment slip pursuant to the latest Guidelines issued by GPPB, in the amount of P10,000.00. The Provincial Government of Davao del Sur shall allow the bidder to present its proof of payment for the fees upon payment of a non-refundable fee for the Bidding Documents in the amount stated above, to the Provincial Treasurer’s Office. An authorization from the proprietor of the company shall be presented in case the latter opted to send representative/s in his/her behalf. Only bidders who purchased the Bidding Documents with corresponding official receipt of the bidding documents will be allowed to submit bids. Eligibility/Technical and Financial documents must be book bound and properly tabbed at right side. The bidder will prepare (3) sets of book bound bidding documents with corresponding proper markings (Original Copy, Copy 1 and Copy 2), respectively. Any documents submitted, not book bound shall be rejected outright. For the Financial Proposals not exceeding ten (10) pages may be book bound or securely stapled.

6. The Provincial Government of Davao del Sur will hold a Pre-Bid Conference on February 20, 2024, 9:00 A.M. at Ralota Hall, Gov. Douglas Ra. Cagas Cultural, Sports and Business Complex, Barangay Mati, Digos City, Davao del Sur, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat at the following through manual submission. Late bids shall not be accepted.
 - Advance dropping (before March 05, 2024) – Room 16, Procurement Management Office (Infrastructure Projects), Capitol Building, Mati, Digos City.
 - Date of opening (March 05, 2024, before 9:00 A.M.) – Ralota Hall, Davao del Sur Coliseum, Mati, Digos City.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.
9. Bid opening shall be on March 05, 2024 at 9:00 A.M., Ralota Hall, Gov. Douglas Ra. Cagas Cultural, Sports and Business Complex, Barangay Mati, Digos City, Davao del Sur. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The Provincial Government of Davao del Sur reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:
The BAC CHAIRPERSON
Provincial Government of Davao del Sur
Contact No: 09487685848
Email Address: sbacadavaodelsur@gmail.com
Engr. SHEILA MAE A. ZAPANTA, MPA
Head, BAC Secretariat for Infrastructure Projects
PGO – Procurement Management Office
Office of BAC Secretariat for Infrastructure Projects
Room 16, Provincial Capitol Building, Mati, Digos City, Davao del Sur
Contact No: 09487685848; Email Address: sbacadavaodelsur@gmail.com
12. You may visit the website, www.davaodelsur.gov.ph, for downloading of Bidding Documents.


DESSAMIE BUAT-SANCHEZ, CPA, JD
Provincial Budget Officer
BAC Chairperson 

February 08, 2024

SECTION II.

INSTRUCTION TO BIDDERS

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Section II. Instructions to Bidders

1. Scope of Bid

The **PROVINCIAL GOVERNMENT OF DAVAO DEL SUR** invites Bids for the **One Job Order for the CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL** located at **POBLACION, KIBLAWAN, DAVAO DEL SUR**, with Project Identification Number **C-003-24**.

The Procurement Project (referred to herein as "**CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL** located at **POBLACION, KIBLAWAN, DAVAO DEL SUR**") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **CY 2022** in the amount of **P9,250,000.00**.

2.2. The source of funding is **SUPPLEMENTAL BUDGET – 20% DEVELOPMENT FUND**.

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 "T" 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 **February 20, 2024, at 9:00 A.M., Ralota Hall, Gov. Douglas Ra. Cagas Cultural Sports and Business Complex, Barangay Matti, Digos City, Davao del Sur** 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 special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.

10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.

10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.

11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

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

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

15. Bid Security

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

15.2. The Bid and bid security shall be valid for **120 Calendar Days** upon opening of bids. 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

17.1 Bids must be delivered to the Ralota Hall, Gov. Douglas Ra. Cagas Cultural Sports and Business Complex, Barangay Marti, Digos City, Davao del Sur **on or before March 05, 2024 at 9:00 A.M.** Late bids shall not be accepted. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.

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 "*passerd*" 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**.

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SECTION III.

BID DATA SHEET

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Bid Data Sheet

(IB No.: C-003-24)

ITB Clause	
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: Buildings: Construction or Repair (based on DPWH DO 14 Series of 2017) Subcontracting is not allowed.
7.1	Subcontracting is not allowed.
10.3	<i>"No further instructions."</i>
10.4	The key personnel must meet the required minimum years of experience set below: <u>Key Personnel</u> <u>General Experience</u> <u>Relevant Experience</u>
10.5	The minimum major equipment requirements are the following: <u>Equipment</u> <u>Capacity</u> <u>Number of Units</u> <i>"No further instructions."</i>
12	None.
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than P185,000.00 [two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than P462,500.00 [five percent (5%) of ABC], if bid security is in Surety Bond.
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award. In all cases, the NFCC computation must be sufficient for the contract to be awarded to the Bidder. <i>Permits and Clearances as required by the End-User.</i> <i>Post-Qualification Requirements: Latest Income Tax Returns, Business Tax Returns for the last 6 months.</i>
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21	1. Presentation of the Bidding Documents a. Envelope 1 (Eligibility/ Technical Documents) One (1) ORIGINAL COPY, another copy for COPY 1, and another copy for COPY 2. b. Envelope 2 (Financial Proposal) One (1) ORIGINAL COPY, another copy for COPY 1, and another copy for COPY 2. Such documents shall be duly signed by the bidders or its duly authorized

representative/s.	<p>Eligibility/Technical and Financial Proposal must be book bound and properly tabbed at the right side. Any documents submitted not book bound shall be rejected outright. For the Financial Proposal not exceeding ten (10) pages maybe book bound or securely stapled.</p> <p>All copies must be properly marked (ORIGINAL COPY, COPY 1 AND COPY 2)</p> <p>Envelope 1 and Envelope 2 must be properly sealed, and will be placed in one sealed mother envelope.</p> <p>2. Other documents/materials to comply with other non-discretionary criteria and requirements as stated in the Instruction to Bidders:</p> <ul style="list-style-type: none"> - Construction Methods - Construction schedule and S-Curve - Pert-CPM - Manpower Utilization Schedule - Equipment Utilization Schedule - Construction Safety & Health Program - Affidavit of Site Inspection - Duty Notarized Certification as to compliance to Labor Laws and Standard <p>The DOLE approved Construction Safety and Health Program is required before entering into Contract.</p>
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SECTION IV.

GENERAL CONDITIONS OF CONTRACT

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General Conditions of Contract

1. Scope of Contract

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

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

2. Sectional Completion of Works

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

3. Possession of Site

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

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

4. The Contractor's Obligations

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

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

5. Performance Security

5.1 Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful

Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.

5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigations

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.

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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.

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SECTION V.

SPECIAL CONDITIONS OF CONTRACT

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Special Conditions of Contract

GCC Clause	
2	<i>The Intended Completion Date is 180 calendar days upon receipt of the Notice to Proceed.</i>
4.1	<i>The Procuring Entity shall give possession in full the parts of the Site to the Contractor upon receipt of the Notice to Proceed.</i>
6	The site investigation reports are: Site Inspection Report
7.2	<i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:] Five (5) years.</i>
10	a. Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	"No further instruction."
11.2	"No further instruction."
13	The amount of the advance payment shall not exceed Fifteen Percent (15%) of the total contract price to be recouped every progress billing.
14	Materials and equipment delivered on the site but not completely put in place shall not be included for payment.
15.1	"No further instructions." The date by which "as built" drawings are required is 15 days prior turn-over and acceptance.
15.2	"No further instructions." <i>H</i>

SECTION VI.

SPECIFICATIONS

[See attached file.]

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Name of Project : CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL
 Location : POBLACION, KIBLAWAN, DAVAO DEL SUR

SPECIFICATIONS

1. SEPTIC TANK FOR DORMITORIES (3 DORMS)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
B.3	Permits and Clearances	l.s.	1.00
B.5	Project Billboard/Signboard	each	1.00
B.7	Occupational Safety and Health	l.s.	1.00
B.9	Mobilization / Demobilization	l.s.	1.00
803(1)a	Structure Excavation, (Common Soil)	cu.m.	39.90
903(2)	Formworks and Falseworks	sq.m.	21.00
1001(11)	Septic Vault	l.s.	1.00

2. CONCRETE ROAD

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
100(1)	Clearing & Grubbing (with Stripping)	ha.	0.045
102(2)	Surplus Common Excavation	cu.m.	245.53
104(1)a	Embankment from roadway excavation (Common Soil)	cu.m	15.34
105(1)a	Subgrade Preparation (Common Material)	sq.m.	598.15
200(1)	Aggregate Subbase Course	cu.m	145.85
311(1)b1	Portland Cement Concrete Pavement (Unreinforced), 200mm thk	sq.m.	729.23

3. PERIMETER FENCE WITH SOLAR LIGHTS

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
800 (2)	Clearing and Grubbing	l.s.	1.00
803 (1)a	Structure Excavation (Common Soil)	cu.m.	104.26
804 (4)	Gravel Fill	cu.m.	12.20
900 (1)c	Structural Concrete, Class A, 3000 psi, 28 days	cu.m.	46.71
902 (1)a1	Reinforcing Steel (Deformed) Grade 40	kg.	4289.61
903 (2)	Formworks and Falseworks	sq.m.	373.86
1046(2)a1	CHB Non Load Bearing (Including Reinforcing Steel), 100 mm	sq.m.	623.18
1027 (1)	Cement Plaster Finish	sq.m.	1510.76
1047(1)	Structural Steel	l.s.	1.00
1032(1)a	Painting Works, Masonry/Concrete	sq.m.	1510.76
1032(1)c	Painting Works, Steel	sq.m.	236.06
624(8)	Solar LED Street Light (Integrated Street Light)	each	34.00

4. CADAVER HOLDING AREA

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
800(2)	Clearing and Grubbing	l.s.	1.00
803(1)a	Structure Excavation, (Common Soil)	cu.m.	7.95
804(7)	Gravel Fill	cu.m.	8.02
900(1)c	Structural Concrete, Class A, 3000 psi, 28 Days	cu.m.	11.76
902(1)a1	Reinforcing Steel (Deformed) Grade 40	kgs.	839.03
903(2)	Formworks and Falseworks	l.s.	1.00
1001(11)	Septic Vault	l.s.	1.00
1002(4)	Plumbing Fixtures	l.s.	1.00
1002(24)	Cold Water Lines	l.s.	1.00
1002(27)	Plumbing Works	l.s.	1.00
1003(1)b1	4.5mm Fiber Cement Board on Metal Frame Ceiling	sq.m.	68.34
1003(2)f	Wall, Metal Cladding	sq.m.	7.86

1003 (17)	Carpentry & Joinery Works	l.s.	1.00
1008(1)a	Aluminum Glass Window (Sliding Type)	sq.m.	4.32
1010(1)	Frames (Jambs, Sills, Head Transoms and Mullions)	set	6.00
1010(2)b	Doors (Wood Panel)	sq.m.	2.73
1013 (2) a1	Fabricated Metal Roofing Accessory (Gauge 26 (0.551 mm), Ridge Roll)	sq.m.	10.30
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	sq.m.	80.77
1018 (5)	Glazed Tiles	sq.m.	38.40
1027(1)	Cement Plaster Finish	sq.m.	200.00
1032(1)a	Painting Works, Masonry/Concrete	sq.m.	268.34
1032(1)b	Painting Works, Wood	sq.m.	16.98
1032(1)c	Painting Works, Metal	sq.m.	6.48
1038(1)	Reflective Insulation	sq.m.	68.34
1046(2)a1	CHB Non-Load Bearing(Including reinforcing Steel), 100mm	sq.m.	109.49
1047 (1)	Structural Steel	l.s.	1.00
1100 (10)	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	l.s.	1.5
1101(33)	Wires and Wiring Devices	l.s.	1.5
1102 (1)	Panelboard with Main & Branch Breakers	l.s.	1.5
1103 (1)	Lighting Fixtures	l.s.	1.5

5. PRAYER ROOM

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
803(4)a	Structure Excavation (Common Soil)	cu.m.	1.00
804(7)	Gravel Fill	cu.m.	11.76
900(1)c	Structural Concrete, Class A, 3000 psi, 28 days	cu.m.	2.71
902(1)a1	Reinforcing Steel (Deformed), Grade 40	kilogram	109.66
903(2)	Formworks and Falseworks	lump sum	1.00
1003(2)f	Wall, Metal Cladding	sq. m.	31.01
1003(17)	Carpentry and Joinery Works	lump sum	1.00
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	sq. m.	36.11
1018(2)	Unglazed Tiles	sq. m.	24.00
1032(1)b	Painting Works, Wood	sq. m.	38.32
1032(1)c	Painting Works, Steel	sq. m.	57.80
1047(1)	Structural Steel	l.s.	1.00
SPL-1	Acrylic Signages	l.s.	1.00

6. DRAINAGE/CANAL WITH COVER

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
103(1)	Structure Excavation	cu.m.	160.03
404(1)a	Reinforcing Steel Bar, Grade 40 (Minor Structures)	kg.	2541.46
405(1)c1	Structural Concrete Class "B" (7 days)	cu.m.	85.35
503(1)	Metal Frame and Grating	set	225.00

7. LANDSCAPING

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
803(1)a	Structure Excavation	cu.m.	17.10
SPL	Landscaping	sqm	38.00


8. CONCRETE PATHWAY

Item	Description	Unit	Quantity
800(2)	Clearing & Grubbing	lumpsum	1.00
802(2)	Surplus Common Excavation	cu.m.	33.96
804(4)	Gravel fill	cu.m	12.48
900(1)b1	Structural Concrete, Class A, 14 Days	cu.m	22.20
902(1)a	Reinforcing Steel (Deformed), Grade 40	kg.	472.50

NOTE:

Specifications shall be in accordance with the DPWH Standard Specifications for Public Works Structures Volume III, 2019 Edition

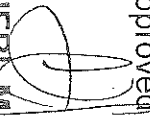
Prepared by:


REXIE GREY B. TABAY
 Architect III

Reviewed by:


JOSEPH R. GONZALES
 Engineer III
 Planning and Programming Division Head

Approved by:


LEONER MARCH R. SUARIO
 Provincial Engineer

SECTION VII.

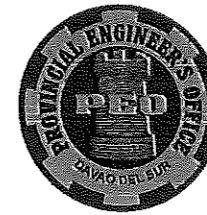
DRAWINGS

[The Detailed Engineering Design is available at the Provincial Government of Davao del Sur, Procurement Management Office, Office of the BAC Secretariat for Infrastructure Projects, Room 16, Executive Building of Provincial Capitol, Mati, Digos City, upon purchase of the corresponding bidding documents.]

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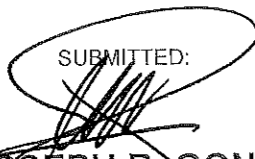
REPUBLIC OF THE PHILIPPINES
PROVINCE OF DAVAO DEL SUR
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR




DETAILED ARCHITECTURAL AND ENGINEERING DESIGN
FOR
**CONSTRUCTION AND IMPROVEMENT OF
GREGORIO MATAS DISTRICT HOSPITAL (GMDH)**
POBLACION, KIBLAWAN, DAVAO DEL SUR

(SCOPE OF WORKS)

- | | |
|--------------------------------------|---|
| 1. SEPTIC TANK FOR 3 DORMITORIES | |
| 2. CONCRETE ROAD | - NET LENGTH = 141.13 M. ✓ |
| 3. PERIMETER FENCE WITH SOLAR LIGHTS | - 310.20 M. WITH 34 UNITS SOLAR LIGHT ✓ |
| 4. CADAVER HOLDING AREA | - 61.28 SQ.M. ✓ |
| 5. PRAYER ROOM | - 23.20 SQ.M. ✓ |
| 6. DRAINAGE / CANAL WITH COVER | - 269.55 M. ✓ |
| 7. LANDSCAPING | |
| 8. CONCRETE PATHWAY | - NET LENGTH = 148.0 M. ✓ |

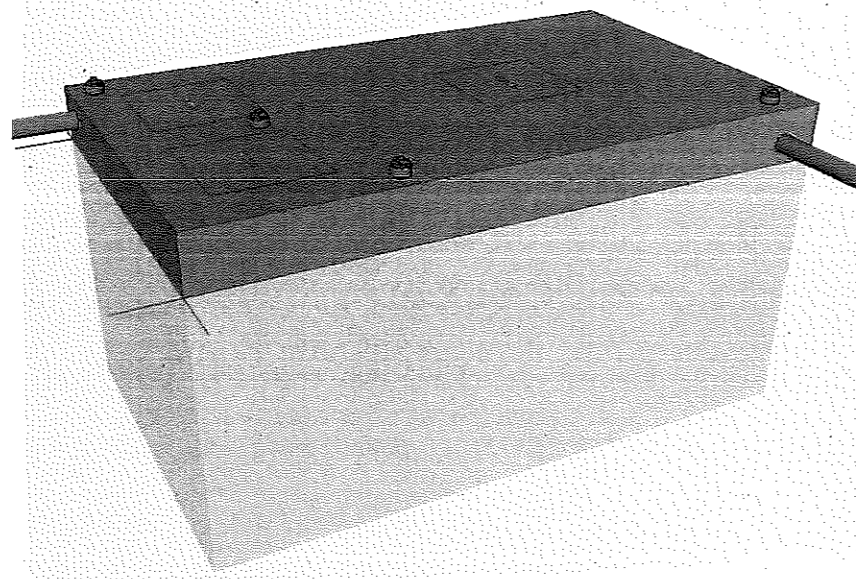
SUBMITTED:

JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

RECOMMENDING APPROVAL:

LEONERL MARCH P. SUARIO
PROVINCIAL ENGINEER

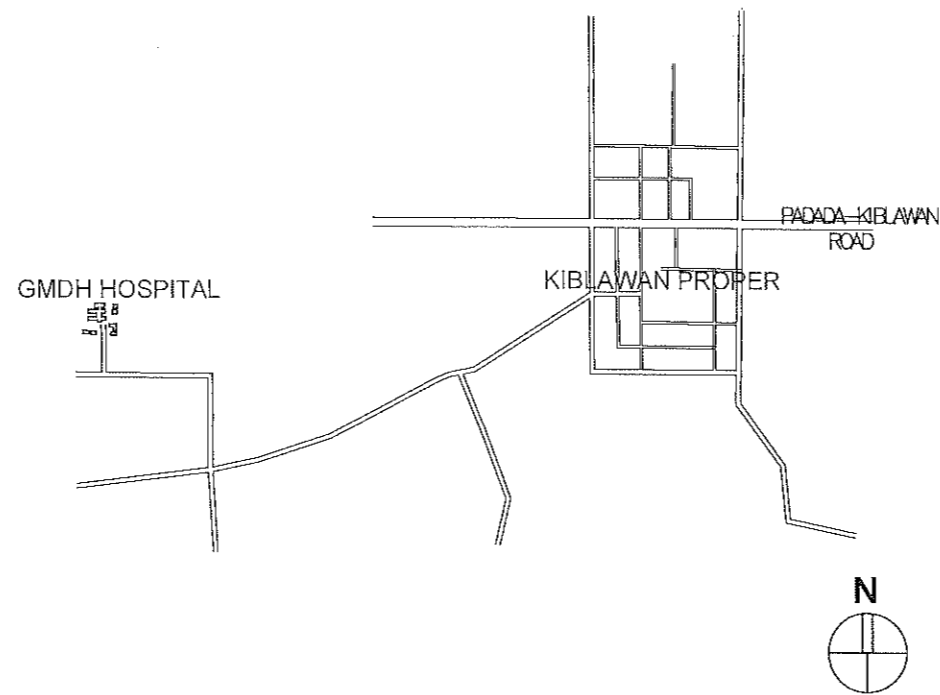
APPROVED:

YVONNE ROMA CAGAS
PROVINCIAL GOVERNOR

1. SEPTIC TANK FOR DORMITORIES (3 DORMS)



1 **PERSPECTIVE**
A-1 DRAWN NOT TO SCALE



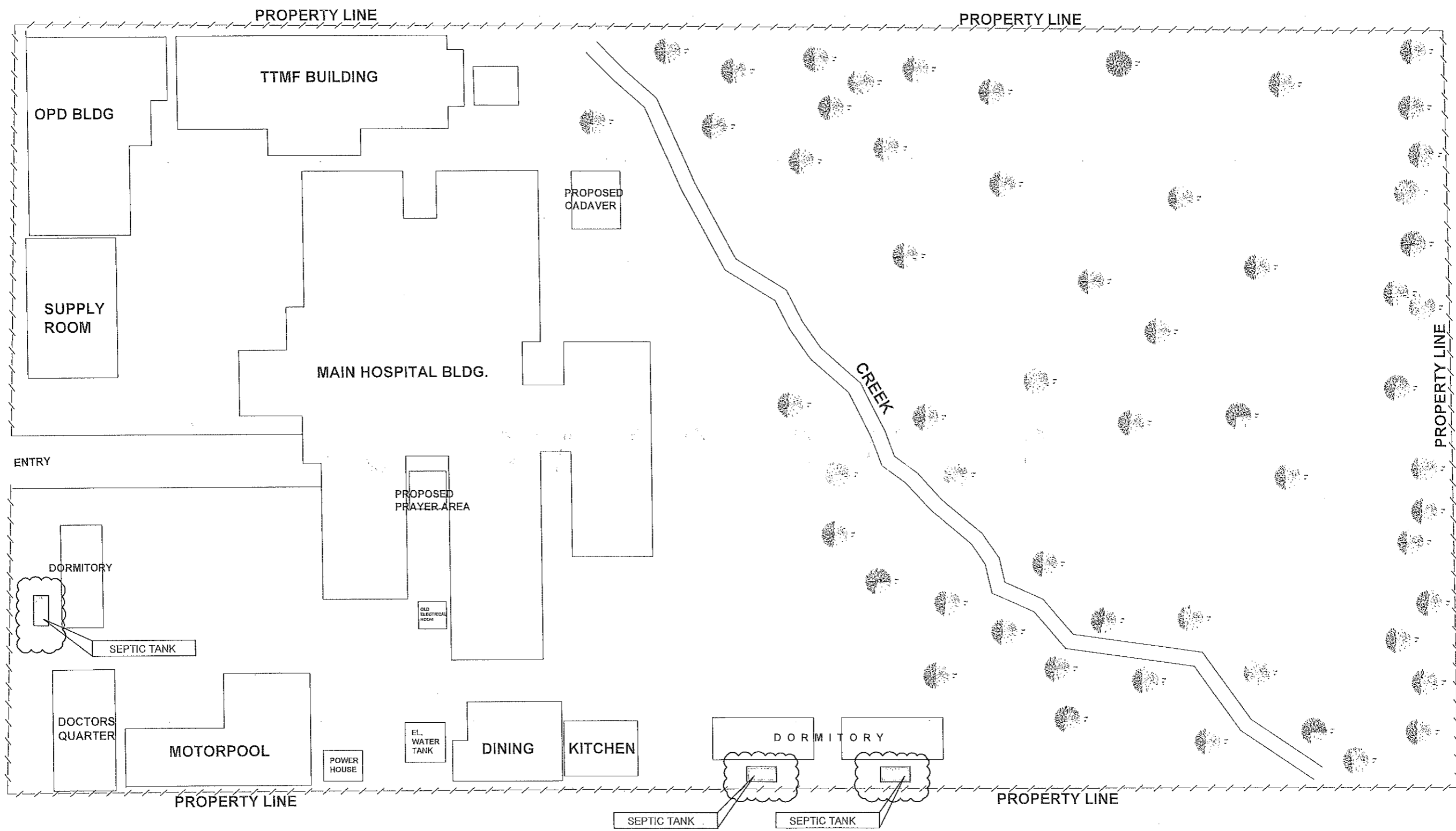
1 **VICINITY MAP**
A-1 DRAWN NTS

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A-2	SITE DEVELOPMENT PLAN	
P.0	PLUMBING	LAND USE AND ZONING
P-1	GENERAL NOTES & SPECIFICATIONS LEGEND SANITARY LINE LAYOUT WATERLINE LAYOUT	
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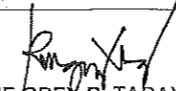
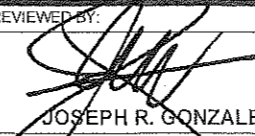
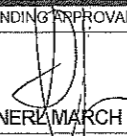



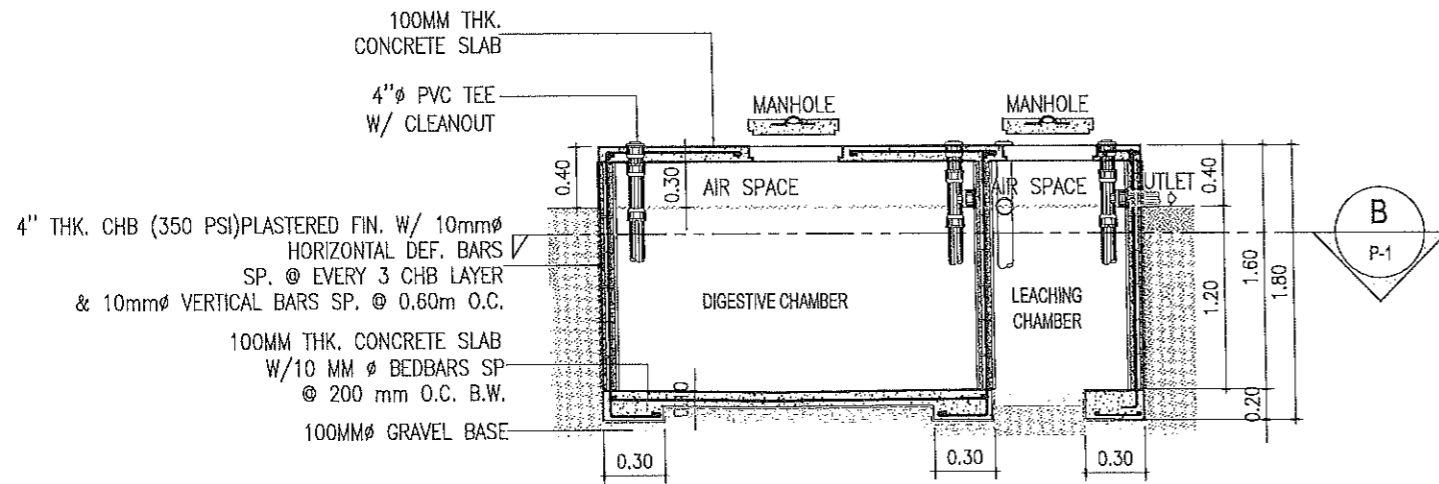
REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: <i>Rexie Grey B. Tabay</i> REXIE GREY B. TABAY ARCHITECT III	REVIEWED BY: <i>Joseph R. Gonzales</i> JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL: <i>Leoneru March P. Suarez</i> LEONERU MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: <i>Yvonne Romo Cagas</i> YVONNE ROMO CAGAS PROVINCIAL GOVERNOR	SHEET NO.: A-1 1 5
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					

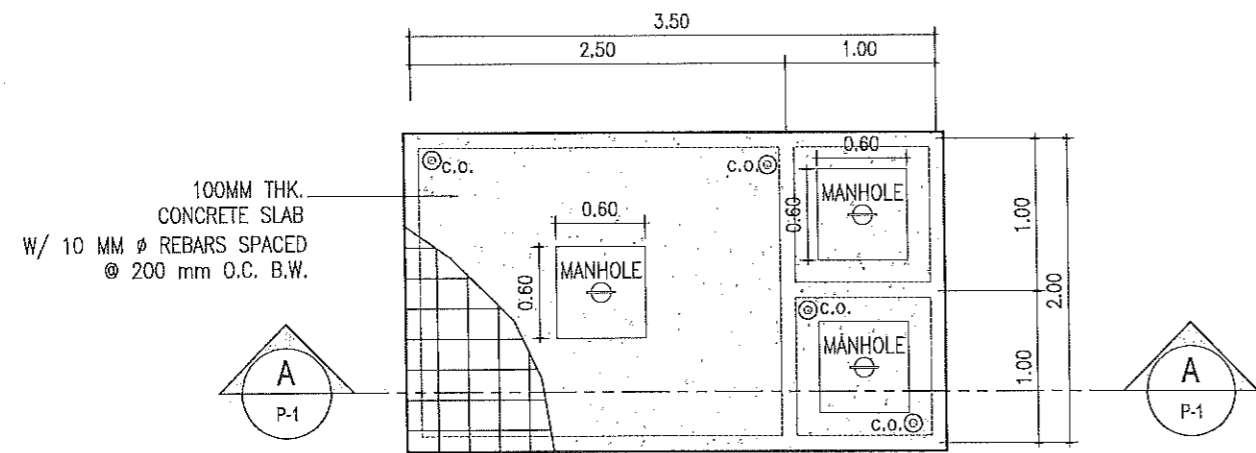


1
SITE DEVELOPMENT PLAN
 A-2 SCALE 1:1500 M.

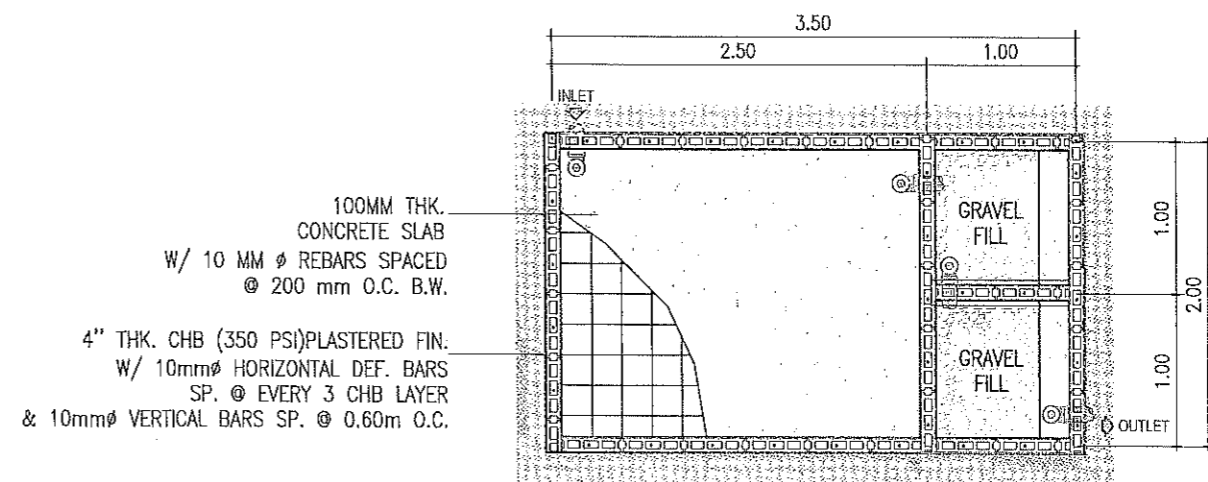
	REPUBLIC OF THE PHILIPPINES PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR	PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY:  REXIE GREY B. TABAY ARCHITECT III	REVIEWED BY:  JOSEPH R. GONZALES ENGINEER IN PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL:  LEONERZ MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY:  YVONNE RONA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: <div style="border: 1px solid black; padding: 2px; display: inline-block;"> A-2 </div> 2 5
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR						



SECTION A-A



PLAN



SECTION 'B'

1 SEPTIC TANK DETAIL
 SCALE 1:50 M.



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
 SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:	PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO.:
CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	REXIE GREY B. TABAY ARCHITECT III	JOSEPH R. GONZALES ENGINEER PLANNING AND PROGRAMMING DIV. HEAD	LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	YVONNE ROMA CAGAS PROVINCIAL GOVERNOR	P-1
LOCATION:					3 5
POBLACION, KIBLAWAN, DAVAO DEL SUR					

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QTY	UNIT
PART B			
B.3	Permits and Clearances	1.00	l.s.
B.5	Project Billboard/Signboard	1.00	each
B.7	Occupational Safety and Health	1.00	l.s.
B.9	Mobilization / Demobilization	1.00	l.s.
TOTAL OF PART B			
PART C	EARTHWORK		
803(1)a	Structure Excavation, (Common Soil)	39.90	cu.m.
TOTAL OF PART C			
PART D	REINFORCED CONCRETE		
903(2)	Formworks and Falseworks	21.00	sq.m.
TOTAL OF PART D			
PART E	FINISHINGS AND OTHER CIVIL WORKS		
1001(11)	Septic Vault	1.00	l.s.
TOTAL OF PART E			
GRAND TOTAL			



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
 SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: REXIE GREY B. TABAY ARCHITECT III	REVIEWED BY: JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDATION APPROVAL: LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE ROMY CAGAS PROVINCIAL GOVERNOR	SHEET NO.: 0-2 5 5
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					

2. CONCRETE ROAD

R O A D W A Y

GENERAL NOTES

GENERAL REQUIREMENTS

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN OFFICES, SHOP, STORES, AND WORKMEN'S ACCOMMODATION AS ARE NECESSARY. A MEDICAL ROOM TOGETHER WITH ALL NECESSARY SUPPLIES SHALL ALSO BE PROVIDED AND MAINTAINED AND A TRAINED MEDICAL AIDE SHALL BE EMPLOYED SOLELY ON MEDICAL DUTIES.
2. TWO (2) PROJECT BILLBOARDS SHALL BE INSTALLED, ONE AT THE BEGINNING AND ONE AT THE END OF THE PROJECT. FOR ROAD PROJECTS WITH LENGTH 10 KILOMETER OR MORE, ADDITIONAL BILLBOARD SHALL BE INSTALLED EVERY 5-KILOMETER INTERVAL.
3. BASIC PERSONAL PROTECTIVE EQUIPMENT (PPE) FOR ALL CONSTRUCTION WORKERS SHALL BE PROVIDED AND OTHER REQUIRED SPECIALTY PPE AS PER DOLE DO 13 S. 2018. SAFETY PERSONNEL AND EMERGENCY OCCUPATIONAL HEALTH PERSONNEL AND FACILITIES ARE REQUIRED DEPENDING ON THE NUMBER OF WORKERS.
4. TRAFFIC MANAGEMENT LAYOUTS PROVIDED IN THE PLAN MAY NOT NECESSARILY BE SIMILAR ON SITE. ADJUSTMENTS MAY BE MADE TO PROVIDE THE NECESSARY TRAFFIC CONTROL DEVICES TO BE INSTALLED ON SITE. A TRAFFIC CONTROLLER MUST ALSO BE PROVIDED ESPECIALLY WHEN CLOSING A CERTAIN LANE OF THE ROAD HINDERS THE CONTINUOUS TRAFFIC FLOW FOR A TWO-WAY TRAFFIC.
5. ADEQUATE BARRICADES AND TRAFFIC WARNING SIGNS SHALL BE INSTALLED AND WORKING AREA SHALL BE ADEQUATELY ILLUMINATED AT NIGHT TO WARN MOTORISTS OF ONGOING CONSTRUCTION. FLAGMEN SHALL BE PROVIDED AT EACH END OF THE CLOSED SECTION TO DIRECT COUNTER FLOW TRAFFIC.
6. THE AS-STAKED PLAN SHALL BE PREPARED BY THE CONTRACTOR BASED ON THE PRE-CONSTRUCTION SURVEY JOINTLY CONDUCTED BY THE CONTRACTOR AND IMPLEMENTING OFFICE (CONSTRUCTION AND PLANNING AND PROGRAMMING DIVISION) AND IT SHOULD BE SUBMITTED TO THE PROVINCIAL ENGINEER'S OFFICE BEFORE THE START OF ACTUAL CONSTRUCTION.
7. ALL SURVEY, STAKING, RECORDING OF DATA, AND CALCULATION NECESSARY TO CONSTRUCT THE PROJECT FROM THE INITIAL LAYOUT TO FINAL COMPLETION SHALL BE PERFORMED. WORK SHALL BE STARTED AFTER STAKING FOR THE AFFECTED WORK IS ACCEPTED.
8. ANY EXISTING ROAD WHILE UNDERGOING IMPROVEMENT SHALL BE KEPT OPEN TO TRAFFIC CONTINUOUSLY IN SATISFACTORY CONDITION AND TRAFFIC SHALL BE ACCOMMODATED DURING THE ENTIRE CONTRACT PERIOD. CONSTRUCTING MAINTAINING DETOURS SHALL BE DONE AS LOCATED BY THE ENGINEER
9. DESIGN WAS BASED ON SURVEY DATA SUBMITTED BY THE SURVEY AND INVESTIGATION UNIT OF PLANNING AND PROGRAMMING DIVISION OF PEO DAVAO DEL SUR.

EARTHWORK

1. CLEARING SHALL EXTEND ONE (1) METER BEYOND THE TOE OF THE FILL SLOPES OR BEYOND ROUNDING OF CUT SLOPES FOR THE ENTIRE LENGTH OF THE PROJECT PROVIDED THAT IT IS WITHIN THE RIGHT-OF-WAY LIMITS OF THE PROJECT.
2. ALL CONCRETE PAVEMENT, BASE COURSE, SIDEWALKS, CURBS, GUTTERS, ETC. DESIGNATED FOR REMOVAL, SHALL BE BROKEN INTO PIECES, THE SIZE OF WHICH SHALL NOT EXCEED 300MM IN ANY DIMENSION AND STOCKPILED AT DESIGNATED LOCATIONS ON THE PROJECT FOR USE BY THE GOVERNMENT OTHERWISE DEMOLISHED AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
3. EXCAVATION OPERATION SHALL BE CONDUCTED SO THAT MATERIAL OUTSIDE OF THE LIMITS OF SLOPES WILL NOT BE DISTURBED.
4. PRIOR TO CONSTRUCTION OF EMBANKMENT, ALL NECESSARY CLEARING AND GRUBBING IN THAT AREA SHALL HAVE BEEN PERFORMED IN CONFORMITY WITH ITEM 100, CLEARING AND GRUBBING.
5. ROADWAY EMBANKMENT OF EARTH MATERIALS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 200MM, LOOSE MEASUREMENT, AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED/ AS COMPACTION OF EACH LAYER PROGRESSES, CONTINUOUS LEVELING AND MANIPULATING WILL BE REQUIRED TO ASSURE UNIFORM DENSITY.
6. PRIOR TO FINAL ACCEPTANCE, THE INSPECTOR SHALL VISUALLY INSPECT THE ENTIRE SECTION OF COMPACTED EMBANKMENT. IF FOUND NOT UNIFORM OR THE TEST VALUES MAY NOT BE REPRESENTATIVE OF THE ENTIRE SECTION, ADDITIONAL TESTS MAY BE PERFORMED AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR.
7. ADEQUATE DUST CONTROL MUST BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES DURING EARTH-MOVING OPERATIONS THROUGH THE USE OF WATER.
8. THE CONTRACTOR SHALL NOT PLACE STOCKPILES AT LOCATION WHERE THEY ARE SUBJECT TO EROSION. THE CONTRACTOR SHALL MAINTAIN EROSION AND DRAINAGE CONTROL NEAR ALL STOCKPILES AND SHALL ENSURE THAT SURFACE DRAINAGE DOES NOT ADVERSELY AFFECT ADJACENT LANDS, WATERCOURSES OR FUTURE RECLAMATION SITES.
9. STOCKPILES SHALL NOT BE SITUATED AT LOCATION THAT WILL INTERFERE OR CAUSE DAMAGE TO UTILITIES. IT SHALL NOT BE SITUATED WITHIN 30M OF A WATERCOURSE OR PERMANENT STRUCTURE OR WITHIN 4M OF ADJACENT PROPERTY BOUNDARY UNLESS OTHERWISE PERMITTED IN WRITING BY THE PROPERTY OWNER.
10. FINISHED SURFACES IN ALL CASES SHALL CONFORM WITH LINES, GRADES, DIMENSIONS AND ADJUSTMENTS SHOWN ON THE APPROVED PLANS, EXCEPT AS MODIFIED BY WRITTEN ORDERS.
11. CUT SLOPES, EXCEPT IN ROCKS AND FILL SLOPES SHALL BE ADJUSTED AND WARPED FLOW INTO EACH OTHER OR INTO NATURAL GROUND SURFACE WITHOUT NOTICEABLE BREAK.

SUB-BASE AND BASE COURSE

1. FOR SUBBASE MATERIALS, WHERE THE REQUIRED THICKNESS IS 200MM OR LESS, THE MATERIAL SHALL BE SPREAD AND COMPACTED IN ONE (1) LAYER USING VIBRATORY ROLLER EQUIPMENT. WHERE THE REQUIRED THICKNESS IS MORE THAN 200MM, THE AGGREGATE SUBBASE SHALL BE SPREAD AND COMPACTED IN TWO OR MORE LAYERS OF APPROXIMATELY EQUAL THICKNESS, AND THE MAXIMUM COMPACTED THICKNESS OF ANY LAYER SHALL NOT EXCEED 200MM.

SURFACE COURSES

1. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONTROL TRAFFIC OVER NEWLY-LAID CONCRETE SO THAT THE SURFACE IS NOT DAMAGED IN ANY WAY. TRAFFIC SHALL BE PROHIBITED FROM TRAVELING AT SPEEDS IN EXCESS OF 40KPH UNTIL THE CONCRETE HAS SET. NO VEHICLES, INCLUDING THOSE DELIVERING AGGREGATES SHALL BE PERMITTED TO TURN AROUND ON NEWLY-LAID MATERIAL.
2. WHEN RAIN APPEARS IMMINENT, ALL PACING OPERATIONS SHALL STOP.
3. IN ORDER THAT THE CONCRETE MAY BE PROPERLY PROTECTED AGAINST THE EFFECTS OF RAIN BEFORE THE CONCRETE SUFFICIENTLY HARDENED, THE CONTRACTOR WILL BE REQUIRED TO PROTECT THE EDGES AND SURFACE OF THE UNHARDENED CONCRETE,
4. BEFORE OPENING TO THE TRAFFIC, THE PAVEMENT SHALL BE CLEANED AND JOINT SEALING COMPLETED.
5. ANY DAMAGE TO THE PAVEMENT, OCCURRING PRIOR TO FINAL ACCEPTANCE, SHALL BE REPAIRED OR THE PAVEMENT BE REPLACED.

DRAINAGE AND SLOPE PROTECTION STRUCTURES

1. PIPE CULVERTS SHALL BE INSPECTED BEFORE ANY BACKFILL IS PLACE. ANY PIPE FOUND TO BE OUT ALIGNMENT, UNDULY SETTLED, OR DAMAGED SHALL BE TAKEN UP AND RELAID OR REPLACED.
2. STONES FOR RIPRAP SHALL CONSIST OF ROCK AS NEARLY AS RECTANGULAR IN SECTION EXCEPT THAT RIPRAP OF CLASS A MAY CONSIST OF ROUND NATURAL STONES. SOUND PIECES OF BROKEN CONCRETE OBTAINED FROM THE REMOVAL OF BRIDGES, CULVERTS AND OTHER STRUCTURES MAY BE SUBSTITUTED FOR STONE WITH THE APPROVAL OF THE ENGINEER.
3. FOR STONE MASONRY, IT SHALL BE SATISFACTORILY PROTECTED FROM THE SUN AND KEPT WET FOR A PERIOD OF AT LEAST THREE DAYS AFTER COMPLETION.

MISCELLANEOUS STRUCTURES

1. OBSTRUCTIONS WITHIN THE ROADWAY, IF NOT ILLUMINATED, SHALL BE MARKED WITH REFLECTORIZED HAZARD MARKERS (REFER TO SECTION 7 OF THE HIGHWAY SAFETY DESIGN STANDARD PART 2 MAY 2012 EDITION). FOR ADDITIONAL EMPHASIS, IT IS ADVISABLE TO MARK OBSTRUCTION WITH NO LESS THAN FIVE ALTERNATING REFLECTORIZED BLACK AND WHITE STRIPES.
2. GUARDRAIL POSTS SHALL BE SET VERTICALLY IN THE POSITION SHOWN IN THE PLANS AND SHALL REMAIN UNDISTURBED FOR A MINIMUM OF 48 HOURS.
3. RAIL ELEMENTS SHALL BE ERECTED IN A MANNER RESULTING IN A SMOOTH CONTINUOUS INSTALLATION. ALL BOLTS, EXCEPT ADJUSTMENT BOLTS, SHALL BE DRAWN TIGHT.
4. PAVEMENT MARKINGS SHALL NOT BE APPLIED DURING RAIN OR WET WEATHER OR WHEN THE AIR IS MISTY. PAINT SHALL NOT BE APPLIED UPON DAMP PAVEMENT SURFACES, OR UPON PAVEMENT WHICH HAS ABSORBED HEAT SUFFICIENT TO CAUSE THE PAINT TO BLISTER AND PRODUCE A POROUS FILM OF PAINT.
5. PAVEMENT MARKINGS THAT FAIL TO HAVE UNIFORM, SATISFACTORY APPEARANCE EITHER BY DAY OR NIGHT, SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT.
6. TRAFFIC PAINT OF LANE MARKERS AND TRAFFIC STRIPS SHALL BE APPLIED TO THE PAVEMENT AT THE RATE OF 0.33 L/SQ.M. AND SHALL DRY SUFFICIENTLY TO BE FREE FROM CRACKING IN FROM 15 TO 30 MINUTES. THE AMOUNT OF GLASS BEADS TO BE MIXED WITH THE PAINT SHALL 500 GRAMS PER LITER OF PAINT.
7. JOINT SEALANT APPLICATION SHALL BE TAKEN CARE OF TO AVOID OVERFILLING OF THE JOINT SPACES. ANY EXCESS MATERIAL SHOULD BE IMMEDIATELY SCRAPPED FROM THE PAVEMENT SURFACE.
8. ROAD SIGNS SHALL USE REFLECTIVE SHEETING CONSISTING OF SPHERICAL LENS ELEMENTS EMBEDDED WITHIN A TRANSPARENT PLASTIC HAVING A SMOOTH, FLAT SURFACE WITH A PROTECTED PRECOAT ADHESIVE WHICH SHALL BE PRESSURE SENSITIVE FOR MANUAL APPLICATION, OR TACK FREE HEAT ACTIVATED FOR MECHANICAL VACUUM-HEAT APPLICATION.
9. THE REFLECTIVE BRIGHTNESS VALUES OF THE REFLECTIVE SHEETING AS COMPARED TO MAGNESIUM OXIDE (MGO) SHALL BE AS GIVEN IN TABLE 605-1 OF THE STANDARD SPECIFICATIONS MANUAL OR NOT LESS THAN 90% OF THE GIVEN VALUES WHEN TOTALLY WET BY RAIN.

OTHERS


1. BEFORE FINAL ACCEPTANCE, THE RIGHT-OF-WAY, BORROW PITS AND ALL GROUND OCCUPIED BY THE CONTRACTOR SHALL BE CLEANED OF ALL RUBBISH, EXCESS MATERIALS, TEMPORARY STRUCTURES AND EQUIPMENT AND ALL PARTS OF THE WORK SHALL BE LEFT IN A NEAT AND PRESENTABLE CONDITION.
2. ANY DEFECTIVE WORK WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS, OR OF ANY OTHER CAUSE, FOUND PRIOR TO ACCEPTANCE, SHALL BE REMOVED IMMEDIATELY AND REPLACED BY WORK AND MATERIALS WHICH

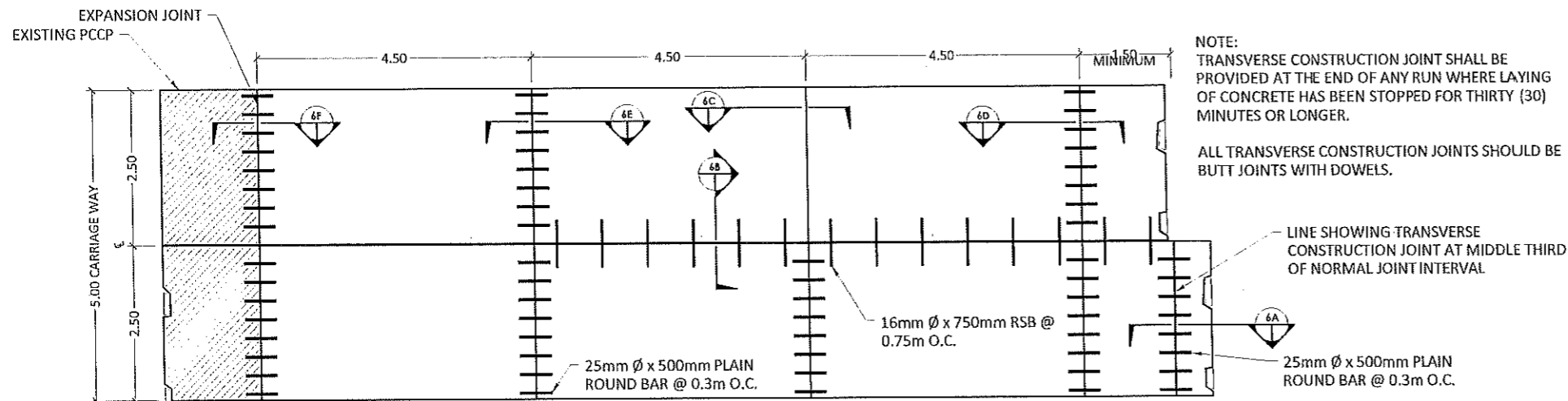
SHALL CONFORM TO THE SPECIFICATIONS.

3. DAMAGES TO ANY PORTION OF WORK BEFORE FINAL ACCEPTANCE EXCEPTS DAMAGES DUE TO UNFORESEEABLE CAUSES BEYOND THE CONTROL OF AND WITHOUT FAULT OF NEGLIGENCE BY THE CONTRACTOR SHALL BE RESULT, REPAIRED AND RESTORED.

REFERENCES

1. REVISED DPWH MANUAL ON HIGHWAY SAFETY DESIGN STANDARD, MAY 2013 EDITION
FOR ROAD SAFETY PLANNING AND DESIGN ACTIVITIES AS WELL AS ROAD SAFETY MAINTENANCE ACTIVITIES SUCH AS THE PROPER WAY OF INSTALLATION/APPLYING ROAD SIGNS, ROAD SIGNS, ROAD SAFETY DEVICES AND PAVEMENT MARKINGS.
- DO 41, S.2012
2. LABOR CODE OF THE PHILIPPINES AND ITS IMPLEMENTING RULES AND REGULATIONS DOLE DO NO. 13, S.1998, OCCUPATIONAL SAFETY AND HEALTH STANDARDS AND ITS PROCEDURAL GUIDELINES
FOR MONITORING, ENFORCEMENT AND IMPLEMENTATION OF CONSTRUCTION SAFETY AND HEALTH
- DO 56, S.2005
3. DPWH DESIGN CRITERIA, GUIDELINES AND STANDARDS, 2015.
4. GUIDELINES FOR THE PREPARATION OF COST ESTIMATES FOR TRAFFIC MANAGEMENT AND SAFETY & HEALTH REQUIREMENTS FOR THE CONSTRUCTION AND MAINTENANCE OF ROADS, BRIDGES AND SAFETY & HEALTH REQUIREMENTS FOR THE SCHOOL BUILDING, DO 13, S.2018.

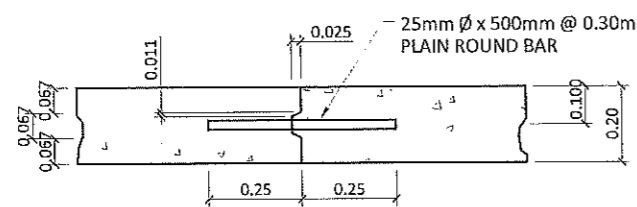
	REPUBLIC OF THE PHILIPPINES PROVINCE OF DAVAO DEL SUR PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY	PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	SURVEYED BY: DONALD A. RELLO ENGINEER I DESIGNED & PREPARED BY: EL MARK D. TAYABAS ENGINEER I	REVIEWED BY: JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIVISION HEAD	RECOMMENDING APPROVAL: LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE ROSA CAGAS PROVINCIAL GOVERNOR	SHEET No.: S-1 1 5
	LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR						



NOTES:

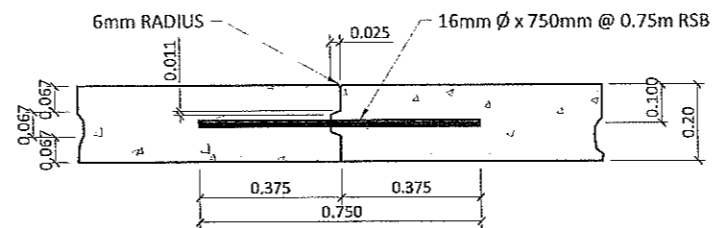
1. MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE "GENERAL SPECIFICATIONS FOR ROADS AND BRIDGES" 2013.
2. CONSTRUCTION JOINTS ARE FORMED WHEN CONCRETE ON ONE SIDE OF THE JOINT IS POURED AHEAD AND ALLOWED TO SET BEFORE POURING ON THE OTHER SIDE.
3. AT CONSTRUCTION JOINT (LONGITUDINAL OR TRANSVERSE), CARE SHOULD BE TAKEN THAT NO CONCRETE FROM THE LAST SLAB PLACED OVERHANGS ANY PORTION OF FIRST SLAB.
4. TIE BARS SHOULD BE DEFORMED STEEL BARS. ALL DOWEL BARS SHALL BE SMOOTH ROUND STEEL BAR FREE FROM RUST AND OTHER DEFECTS (REFER TO CLAUSE 3.1.3.12 THE STANDARD SPECIFICATION FOR ROAD AND BRIDGES 1995).
5. BARS SHALL BE GRADE 40. ALL CONCRETE SHALL BE CLASS "A" CONCRETE, USE PORTLAND CEMENT TYPE 1.
6. USE PORTLAND CEMENT TYPE I, AASHTO M 85. STANDARD SPECIFICATION FOR PORTLAND CEMENT. USE PORTLAND CEMENT TYPE I, (ASTM C150, STAND SPECIFICATION FOR PORTLAND CEMENT).
7. TYPE OF WEAKENED PLANE JOINT TO BE USED SHALL BE AS SPECIFIED IN THE PLANS AND ONLY ONE TYPE SHALL BE USED FOR THE WHOLE PROJECT.
8. MATERIAL FOR THE METAL SIDE FORM SHALL BE BRAND NEW SHEET METAL GAUGE NO. 18 OF BLACK IRON FREE FROM RUST AND LINKS.
9. AT LEAST SIX (6) SUCCESSIVE DOWELED BUTT JOINTS AT NORMAL JOINT SPACING SHALL BE PROVIDED BEFORE OR AFTER AN EXPANSION JOINT.
10. THE DEPTH OF THE WEAKENED PLANE JOINT SHOULD AT ALL TIMES NOT LESS THAN 50mm, WHILE THE WIDTH SHOULD NOT BE MORE THAN 6 mm.
11. THE GROOVE OR CRACK ABOVE JOINTS (LONGITUDINAL OR TRANSVERSE) SHALL BE SEALED WITH 30-50 PENETRATION ASPHALT SEAL OR COLD APPLIED LIQUID RUBBER COMPOUND AFTER THE CONCRETE HAD BEEN CURED AND BEFORE OPENING THE PAVEMENT TO TRAFFIC. PENETRATION ASPHALT SEAL ON CONCRETE PAVEMENT JOINTS SHALL BE POURED IN SUCH MANNER THAT SPILLING WILL BE ELIMINATED/PREVENTED, THUS PROVIDING A SMOOTH LEVELING/RIDING SURFACE.
12. ALL TRANSVERSE JOINTS, EXCEPT CONSTRUCTION JOINTS, SHALL BE CONTINUOUS FROM EDGE TO EDGE.
13. ALL LONGITUDINAL JOINTS SHALL MEET AT INTERSECTIONS WITH NO GAP OR OFFSETS.
14. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
15. AVOID STOPPAGE OF FRAMEWORKS ALONG CURVES.
16. CONSTRUCT EXPANSION JOINT AT EVERY 90 METERS AND OR AT EVERY ADJACENT EXISTING STRUCTURES.
17. WAX BASED CURING COMPOUND SHOULD CONFORM TO ASTM - C 156, ASTM - C 309 - 07, TYPE - 2.

TYPICAL PLAN OF TWO-LANE PAVEMENT
SCALE: 1:100m



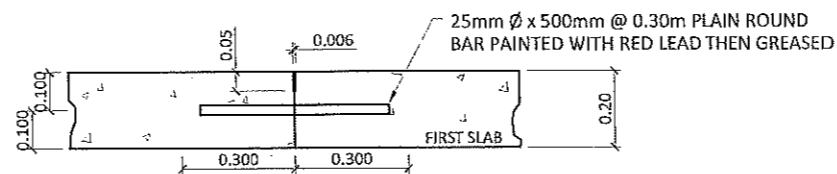
KEYED TRANSVERSE CONST. JOINT
TO BE PLACED ONLY IN MIDDLE THIRD OF NORMAL JOINT INTERVAL

SCALE: 1:20m



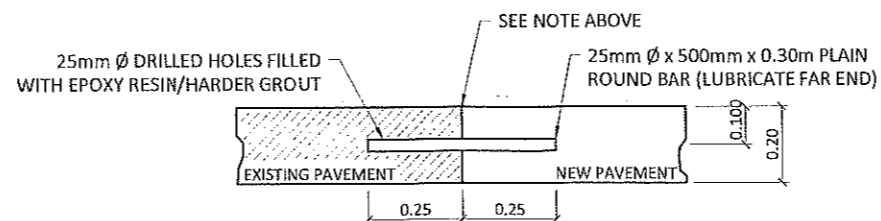
LONGITUDINAL CONST. JOINT
TO BE USED FOR HALF WIDTH OR LANE AT TIME OF CONSTRUCTION

SCALE: 1:20m



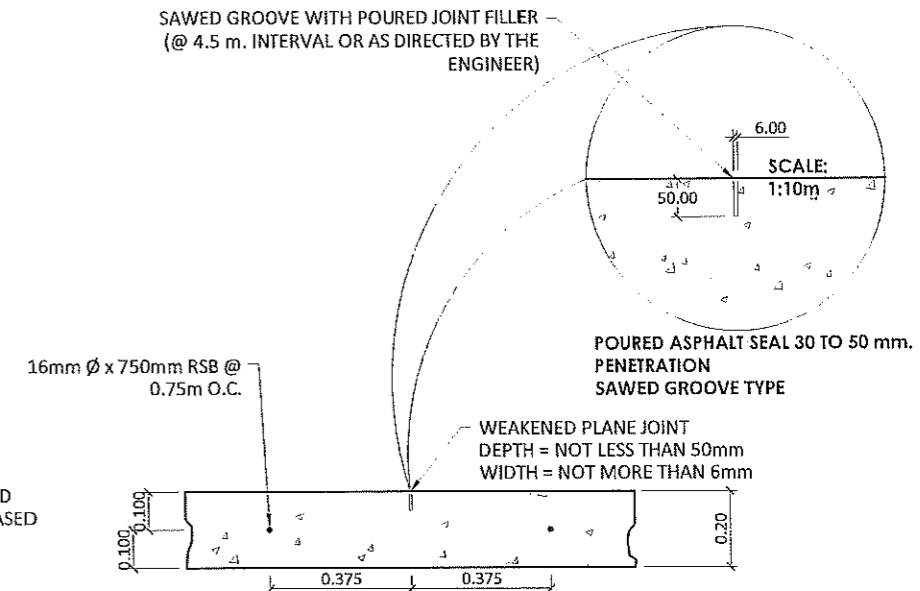
BUTT TRANSVERSE CONSTRUCTION OR CONTRACT JOINT

SCALE: 1:20m



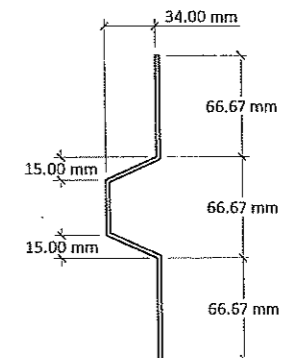
CONSTRUCTION JOINT

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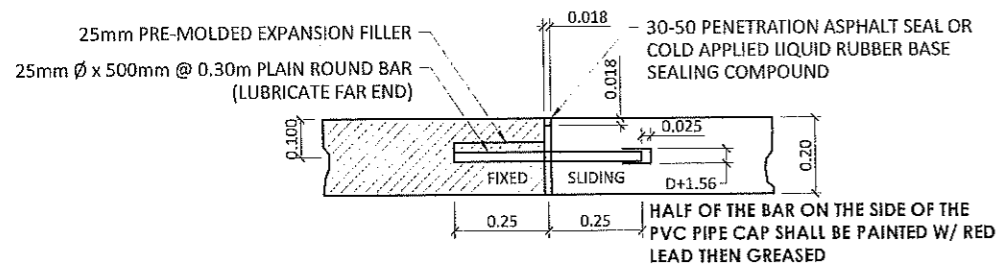
WEAKENED PLANE JOINT

SCALE: 1:20m



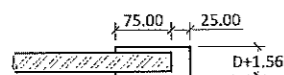
DETAIL OF SIDE FORMS

SCALE: 1:5m



TYPICAL EXPANSION JOINT
TO BE PLACED EVERY 36.00 M. O.C.

SCALE: 1:20m



METAL DOWEL CAP DETAIL

SCALE: 1:10m



REPUBLIC OF THE PHILIPPINES
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PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY

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GREGORIO MATAS DISTRICT HOSPITAL (GMDH)

LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR

SURVEYED BY:
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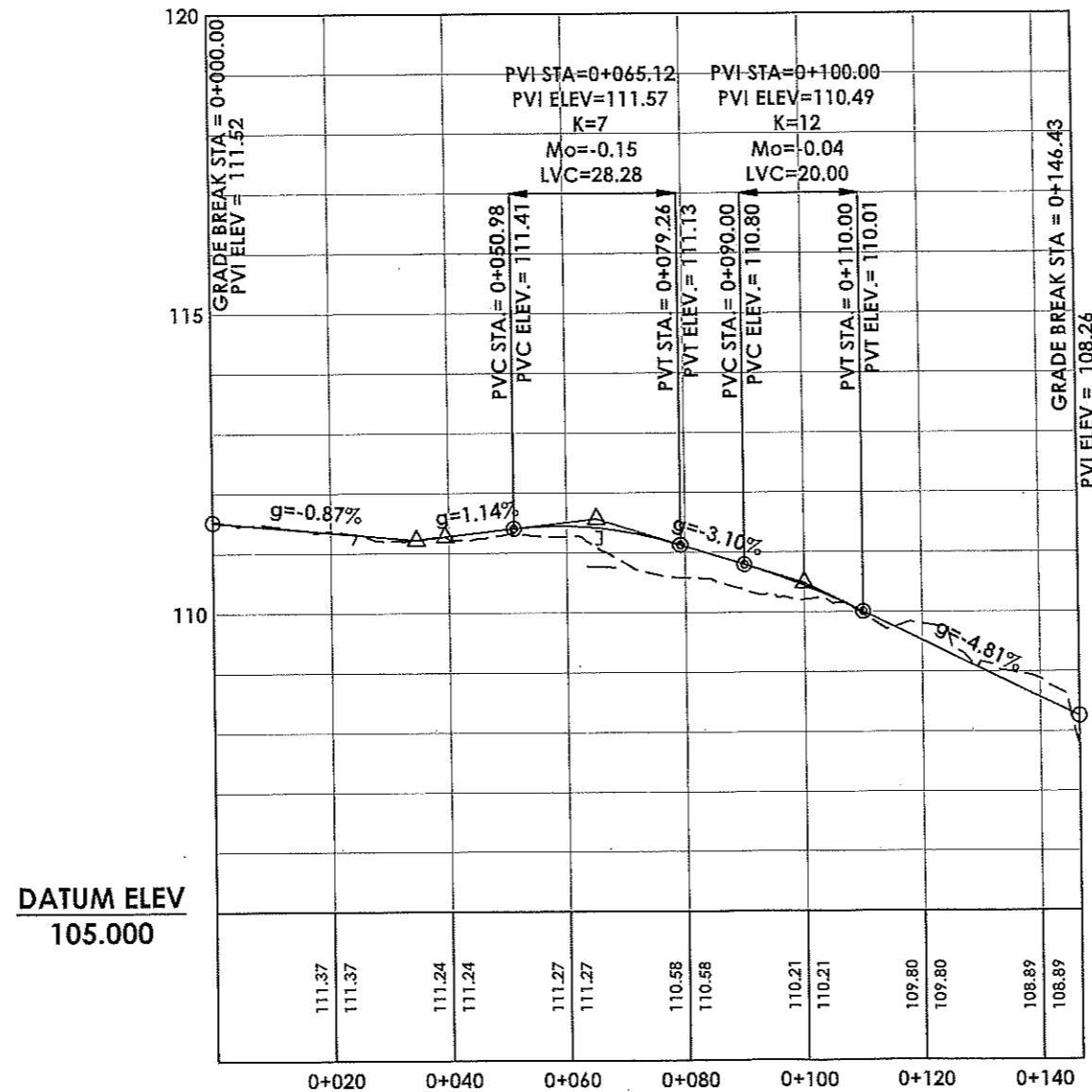
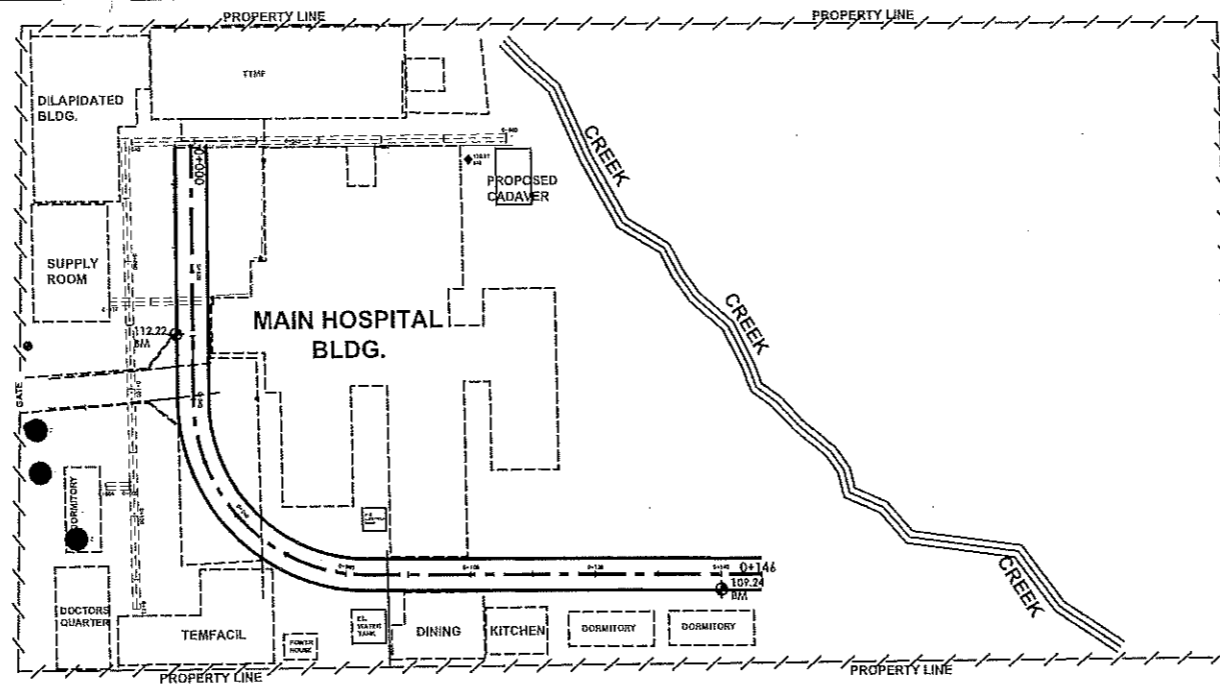
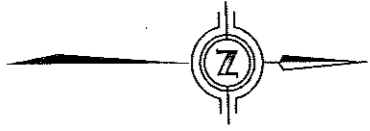
DESIGNED & PREPARED BY:
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ROADWAY PLAN AND PROFILE
SCALE: 1:1200m



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LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR

SURVEYED BY:
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DESIGNED & PREPARED BY:
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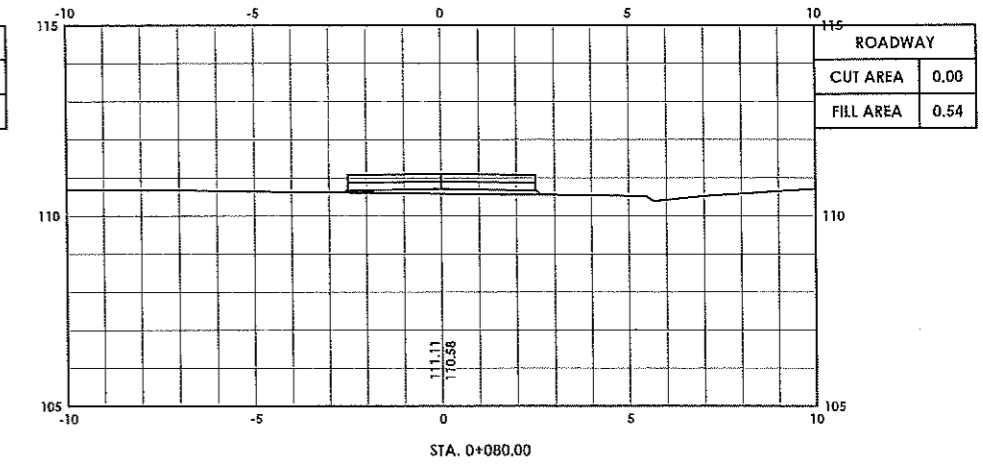
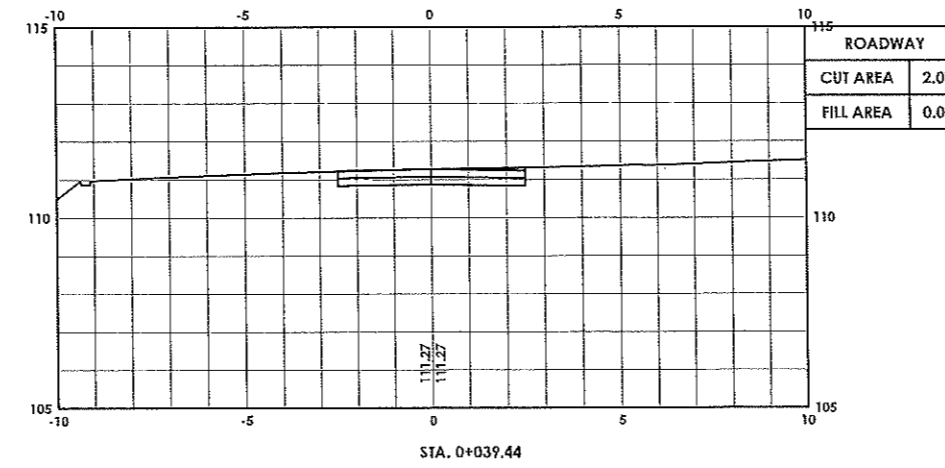
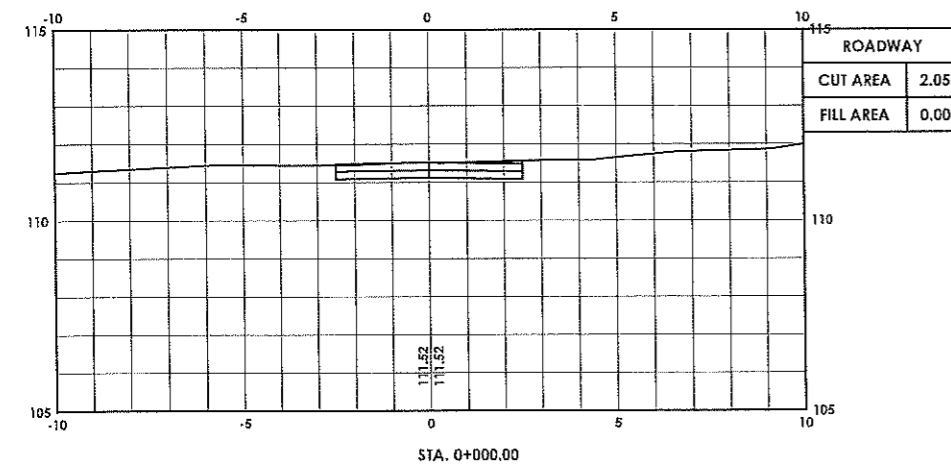
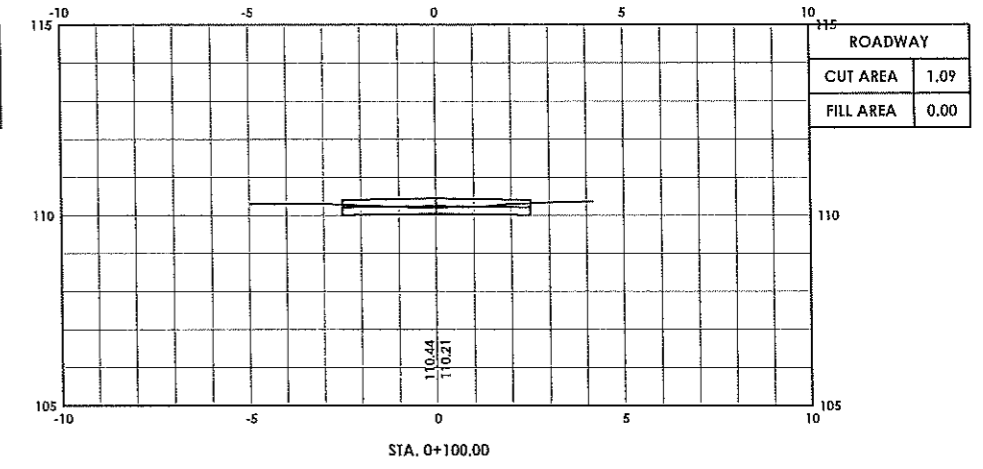
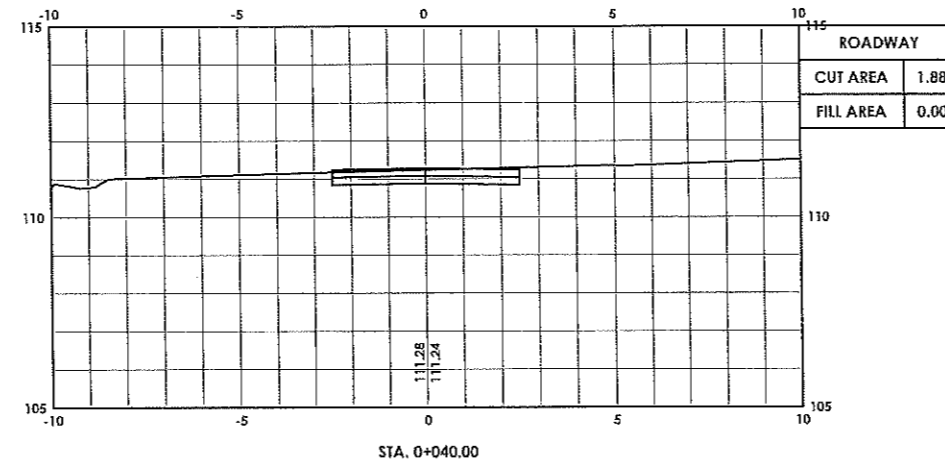
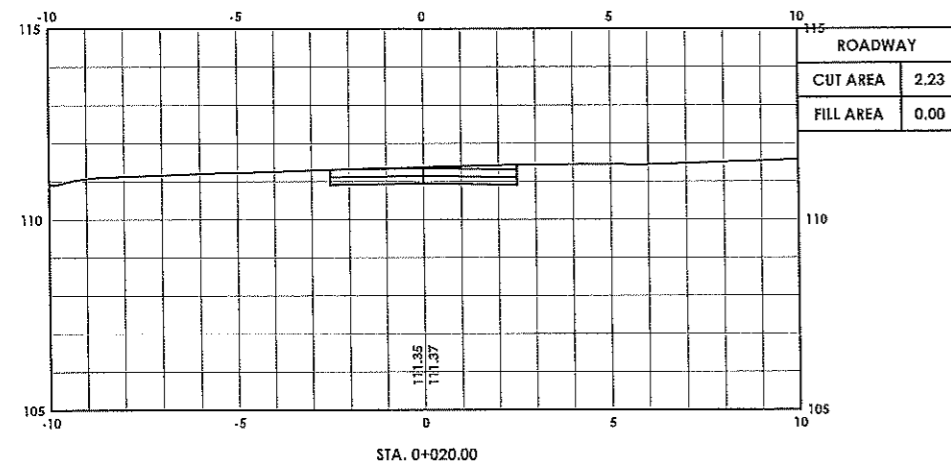
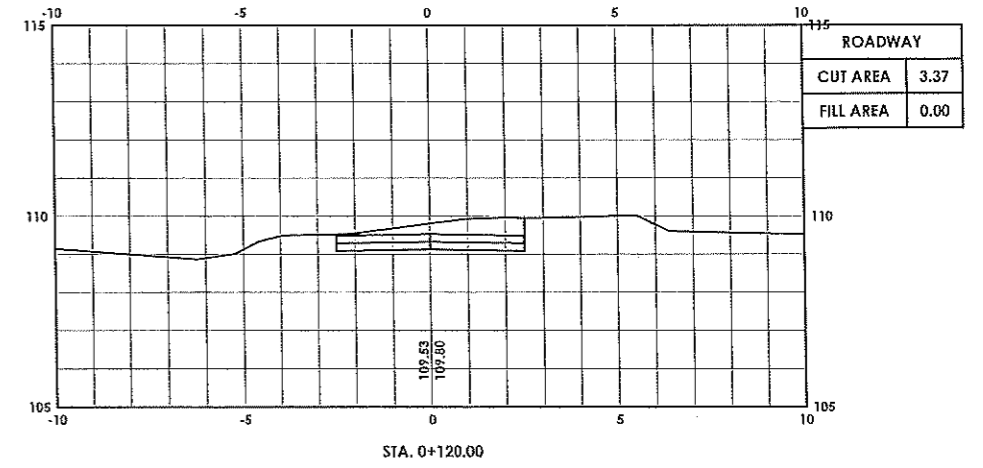
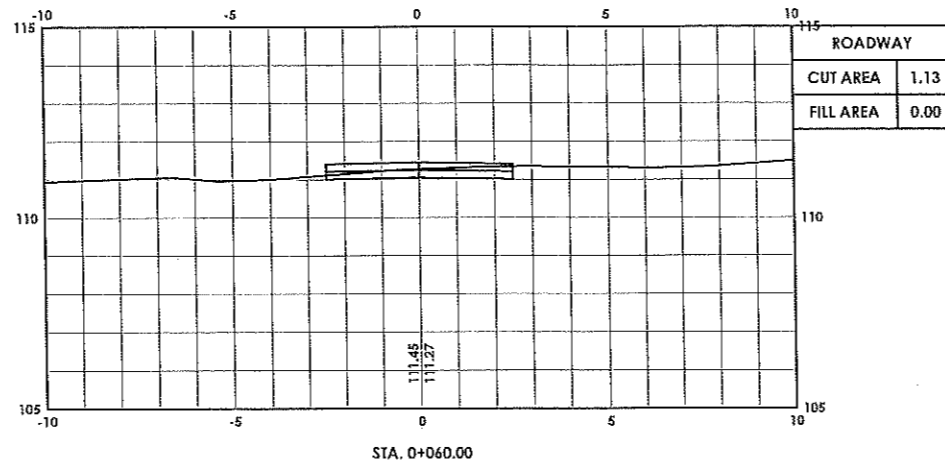
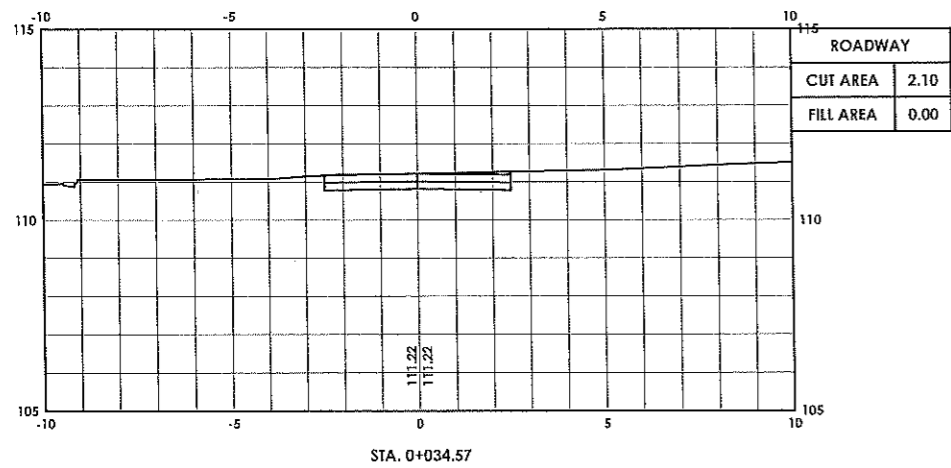
REVIEWED BY:
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PROVINCIAL GOVERNOR

SHEET No.:
S-3

3 5



ROADWAY CROSS SECTIONS
SCALE: 1:200m



REPUBLIC OF THE PHILIPPINES
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SAN AGUSTIN, DIGOS CITY

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LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR

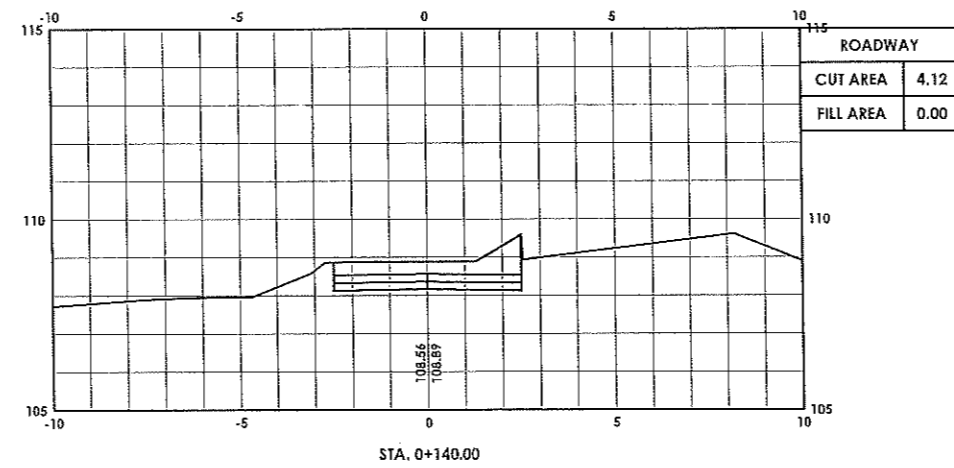
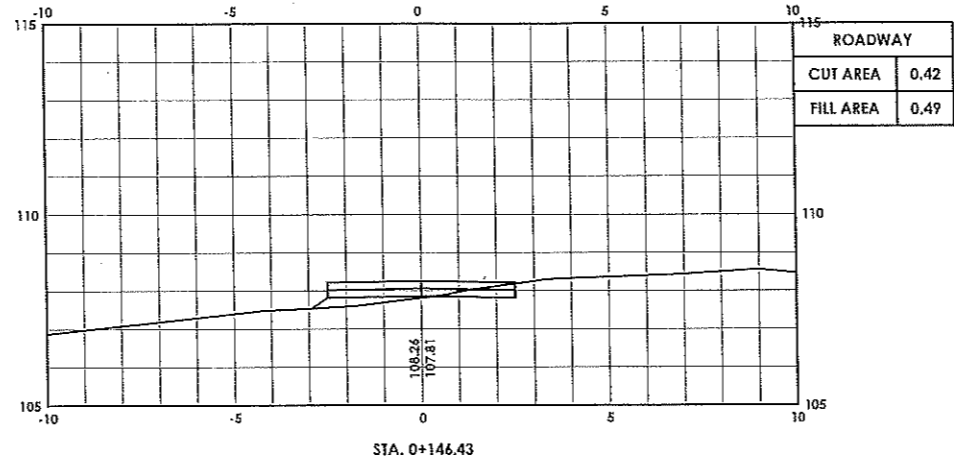
SURVEYED BY:
DONALD A. RELLON
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DESIGNED & PREPARED BY:
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REVIEWED BY:
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4 5



ROADWAY CROSS SECTIONS
SCALE: 1:200m



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LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR

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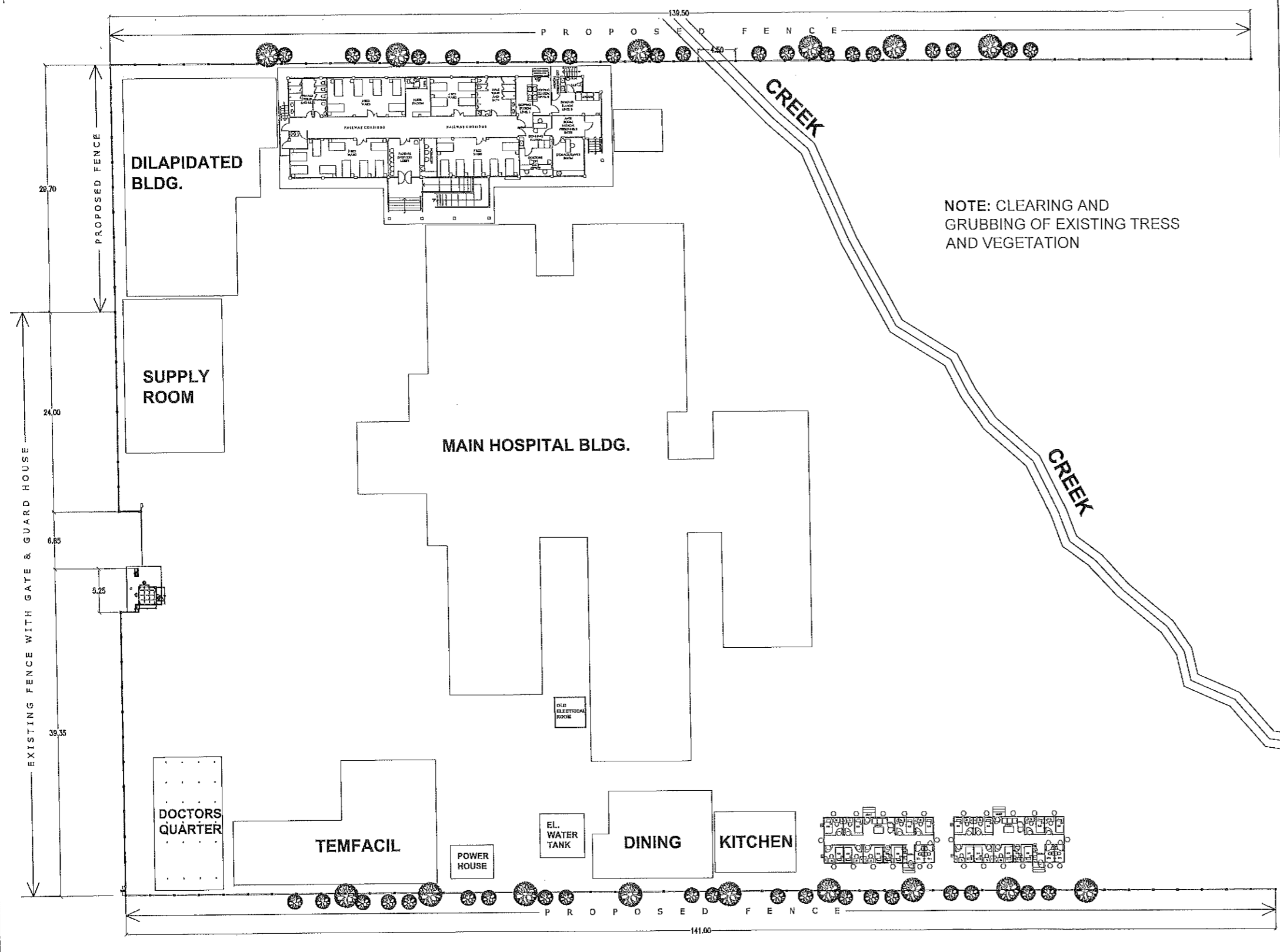
APPROVED BY:
YVONNE RONA CAGAS
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SHEET No.:
S-5
5 5

3. PERIMETER FENCE WITH SOLAR LIGHTS

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E.0	OTHERS
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1 SITE DEVELOPMENT PLAN
A-1 SCALE NTS



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LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

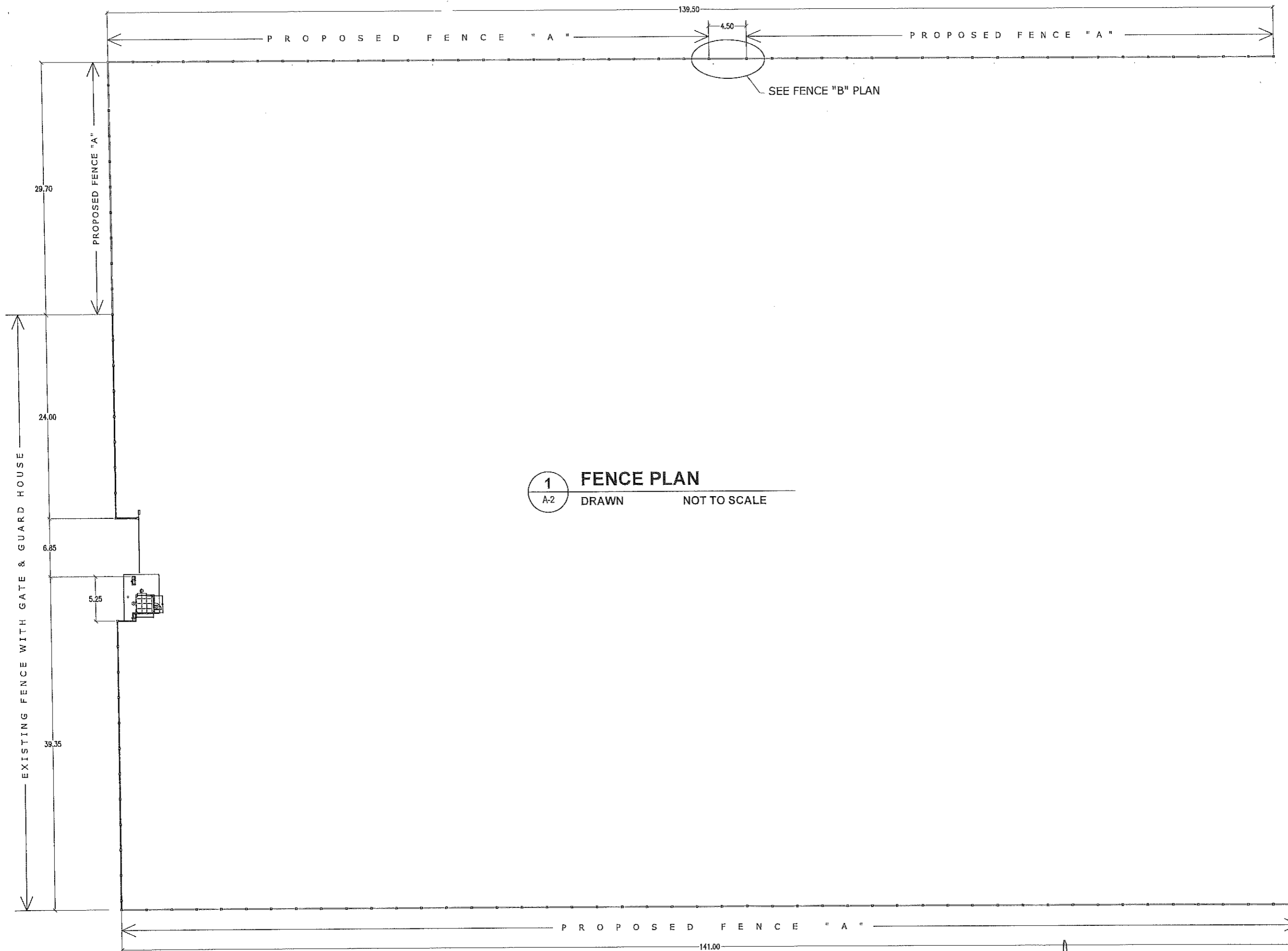
PREPARED BY:
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FRANKLIN N. ISLA III
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APPROVED BY:
Yvonne Rom Cagas
YVONNE ROM CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-1
1 8



1 FENCE PLAN
A-2 DRAWN NOT TO SCALE



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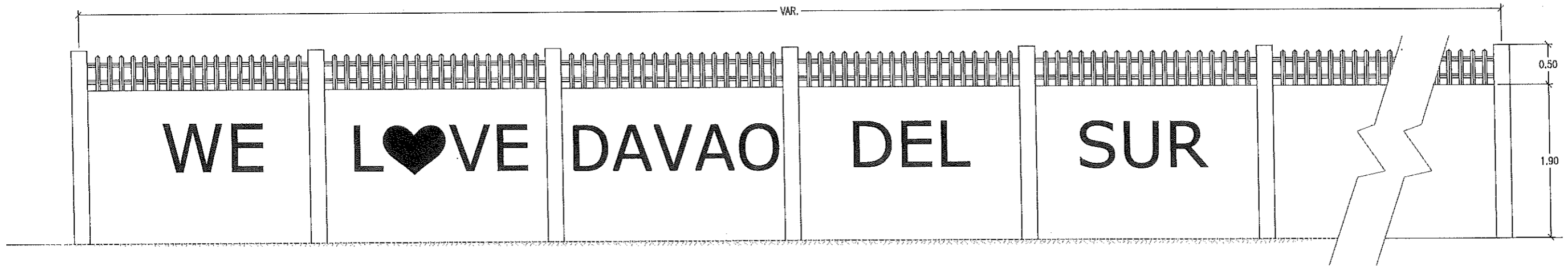
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FRANKLIN N. ISLA II
ENGINEERING ASSISTANT

REVIEWED BY:
Joseph R. Gonzales
JOSEPH R. GONZALES
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PLANNING AND PROGRAMMING DIV. HEAD

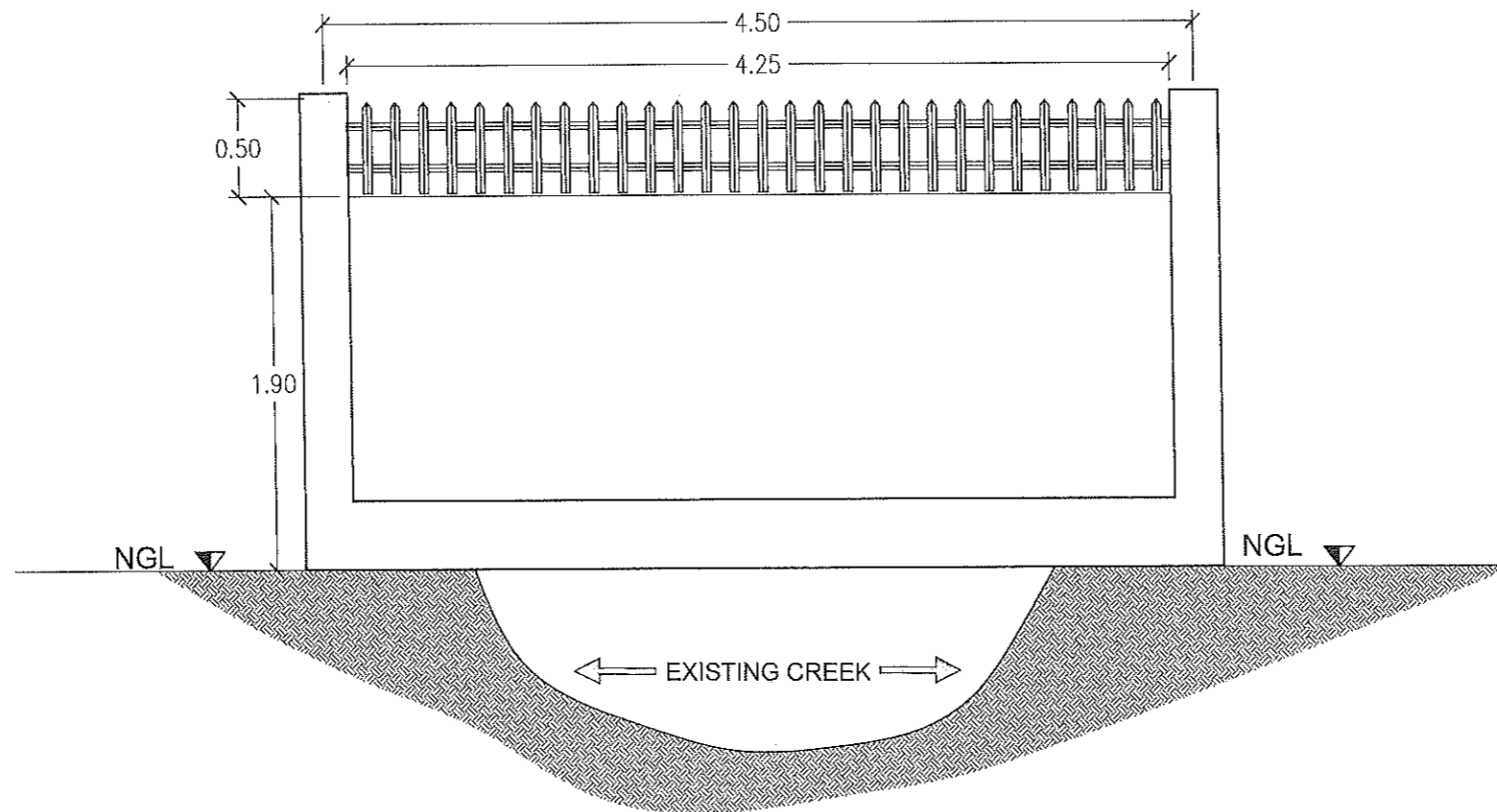
RECOMMENDING APPROVAL:
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LEONERL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
Yvonne Romo Cagas
YVONNE ROMO CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-2
2 8



1 FENCE "A" ELEVATION
A-3 DRAWN NOT TO SCALE



2 FENCE "B" ELEVATION
A-3 DRAWN NOT TO SCALE



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SHEET NO.:
A-3
3 8

GENERAL CONSTRUCTION NOTES

NOTES ON CONCRETE MIXES & PLACING

GENERAL NOTES

1.0 STANDARDS AND REFERENCES

- THE FOLLOWING SHALL GOVERN THE DESIGN FABRICATION AND CONSTRUCTION OF THE PROJECT.
- NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (N.S.C.P 2015) VOL. 1, SEVENTH EDITION.
 - SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE DPWH STANDARD SPECIFICATIONS FOR PUBLIC WORKS STRUCTURES VOLUME III, 2019 EDITION.

2.0 DESIGN CRITERIA

2.1 LOADINGS

A. DEAD LOAD	
CONCRETE	23.56 kN/m ³
STEEL	76.93 kN/m ³
150 mm THK. CHB WALL	2.73 kPa
100 mm THK. CHB WALL	2.11 kPa
B. LIVE LOAD	
ROOF	1.00 kPa
TOILETS	1.90 kPa
CORRIDORS ABOVE, STAIRS	3.80 kPa
CORRIDORS ON GROUND	4.80 kPa
C. WIND LOAD	
BUILDING CATEGORY = 1 (ESSENTIAL FACILITIES)	
EXPOSURE = D (FLAT, UNOBSTRUCTED AREAS AND WATER SURFACES)	
MAXIMUM WIND VELOCITY, V = 340 KPH	

$$P = qh [(GCpf) - (GCpi)] \quad (\text{DESIGN WIND PRESSURE})$$

WHERE: qh = VELOCITY PRESSURE (kPa)
 GCpf = EXTERNAL PRESSURE COEFFICIENT
 GCpi = INTERNAL PRESSURE COEFFICIENT

D. SEISMIC LOAD

$$V = \frac{CvI}{RT} W \quad (\text{DESIGN BASE SHEAR})$$

$$V_{max} = \frac{2.50 C_{ai} W}{RT} \quad V_{min} = 0.11 C_{ai} W$$

$$V_{min} = \frac{0.80 Z N_{mi} W}{R} \quad (\text{ZONE 4})$$

WHERE: W = TOTAL DEAD LOAD
 T = NATURAL PERIOD = C_i(h)
 WHERE: C = NUMERICAL COEFFICIENT
 h = BUILDING HEIGHT
 I = IMPORTANCE FACTOR = 1.50
 R = NUMERICAL FACTOR = 0.50
 SEISMIC COEFFICIENT C_v = 0.44 N_v
 C_a = 0.64 N_v
 NEAR SOURCE FACTOR (5 km) N_v = 1.6
 N_a = 1.2
 Z = SEISMIC ZONE = 0.40 (ZONE 4)
 S = SOIL TYPE = D

2.2 DESIGN STRESSES

A. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS:	
a. FOOTINGS, COLUMNS, BEAMS AND SLABS	f _c = 20.7 MPa (3,000 psi)
b. SLAB ON FILL	f _c = 17.5 MPa (2,500 psi)
B. REINFORCING STEEL BARS	
a. FOR BARS 16mm AND GREATER (INTERMEDIATE GRADE DEFORMED BAR)	f _y = 275 MPa (40,000 psi)
b. FOR BARS LESS THAN 16mm (STRUCTURAL GRADE DEFORMED BAR)	f _y = 230 MPa (33,000 psi)
C. STRUCTURAL STEEL ASTM-A36	f _y = 248 MPa (36,000 psi)
D. PURLINS	
E. MASONRY UNIT (CHB)	f _m ' = 3.45 MPa (500 psi)
F. WELDS	E - 80XX ELECTRODE
G. STRUCTURAL BOLTS ASTM - A307	a. F _t = 96.60 mPa (14,000 psi) b. F _w = 69.00 mPa (10,000 psi)

3.0 IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN. DISTANCES AND SIZES SHALL NOT BE SCALED FOR CONSTRUCTIONS PURPOSES

4.0 IN REFERENCES TO OTHER DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTITIONS, LOCATIONS OF DRAINS ETC.

5.0 IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS AND ELEVATIONS BETWEEN THE STRUCTURAL PLANS AND ARCHITECTURAL DRAWINGS, THE CONTRACTORS SHALL NOTIFY BOTH THE STRUCTURAL ENGINEER AND ARCHITECTS.

6.0 ALL CONCRETE WORKS AND CONCRETE REINFORCEMENTS SHALL BE DONE IN ACCORDANCE WITH THE ACI 318 95 BUILDING CODE REQUIREMENT AND ALL STRUCTURAL STEEL WORKS ACCORDING WITH THE AISC SPECIFICATION (9TH EDITION) SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.

7.0 ACI REFERS TO AMERICAN CONCRETE INSTITUTE, AISC REFERS TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND ASTM REFERS TO AMERICAN SOCIETY FOR TESTING MATERIALS.

8.0 CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.

9.0 SHOP DRAWING WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEERS APPROVAL BEFORE FABRICATION.

10. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STools EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.

11. ALL RESULTS OF THE MATERIAL TESTING FOR CONCRETE, REINFORCING BARS & STRUCTURAL STEEL MUST BE NOTED & APPROVED BY THE MATERIALS ENGINEER/STRUCTURAL DESIGNER.

- USE TYPE 1 PORTLAND CEMENT FOR STRUCTURAL CONCRETE.
- ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMP AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF AGGREGATE	MAX SLUMP
ALL OTHERS, INCLUDING SUSPENDED SLABS	3000 PSI (20.7 MPa)	20 mm	100mm
COLUMNS	3000 PSI (20.7 MPa)	20 mm	100mm
BEAMS, SLABS	3000 PSI (20.7 MPa)	20 mm	100mm
SLAB ON FILL	2500 PSI (17.5 MPa)	20 mm	100mm

- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.
- | | |
|---|------|
| SUSPENDED SLABS | 20mm |
| SLAB ON GRADE | 40mm |
| WALLS ABOVE THE GRADE | 25mm |
| BEAM STIRRUPS AND COLUMN TIES | 40mm |
| WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS | 50mm |
| WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH | 75mm |

- CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION. RE-HANDLING OR PLACING SHALL BE DONE PREFERABLY WITH BUGGIES, BUCKETS OR WHEELBARROWS, NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUGGIES, WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.

- NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING DESIGNER AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO ACCOMPLISH.

- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

- ALL CONCRETE SHALL BE KEPT MOST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

- STRIPPING OF FORMS AND SHORES:
- | | |
|---|----------|
| FOUNDATION | 24 HOURS |
| SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED | 8 DAYS |
| WALLS | 21 DAYS |
| BEAMS | 14 DAYS |
| COLUMNS | 21 DAYS |

- THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.

- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORINGS UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTES ON FOOTINGS

- FOOTINGS ARE DESIGNED FOR AN ALLOWANCE SOIL BEARING PRESSURE OF 96 KPa (2000 psf). CONTRACTOR SHALL REPORT TO THE ENGINEER, IN WRITING, THE ACTUAL SOIL CONDITIONS UNCOVERED AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL BEFORE DEPOSITING CONCRETE.
- FOOTING SHALL REST AT LEAST 1500mm BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST ON FILL
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 75mm CLEAR FOR CONCRETE DEPOSITED THE GROUND AND 50mm FOR CONCRETE DEPOSITED AGAINST A FORMWORK.
- IN CASES WHERE THE SOIL CONDITION IS SUCH THAT THE MINIMUM ALLOWABLE SOIL PRESSURE OF 96KPa (2000 psf) CAN NOT BE ATTAINED AT A PRACTICAL DEPTHS THE USE OF MICROPILES, BORED PILES, OR DRIVEN PILES MAY BE ADOPTED IN LIEU OF STANDARD ISOLATED FOOTINGS.

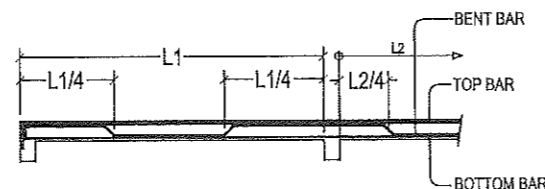
NOTES ON REINFORCEMENT

- UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

A. FOOTINGS, FOOTING BEAMS AND GIRDERS	f _y = 275 MPa (40,000 psi)
B. COLUMNS AND SHEAR WALLS	f _y = 275 MPa (40,000 psi)
C. BEAMS AND GIRDER	f _y = 275 MPa (40,000 psi)
D. NON-LOAD BEARING WALL PARTITIONS, BEDDED SLABS, FLOOR & ROOF SLABS, PARAPETS, CATCH BASIN, SIDE WALK	f _y = 275 MPa (40,000 psi)
- ALL REINFORCING BARS SIZE 10mm OR LARGER SHALL BE DEFORMED IN ACCORDANCE WITH THE ASTM A-706 BARS SMALLER THAN 10mm MAY BE PLAIN.
- SPICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE w/ TABLE B (TABLE OF LAP SPICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPICES SHALL BE STAGGERED WHENEVER POSSIBLE.

NOTES ON CONCRETE SLABS

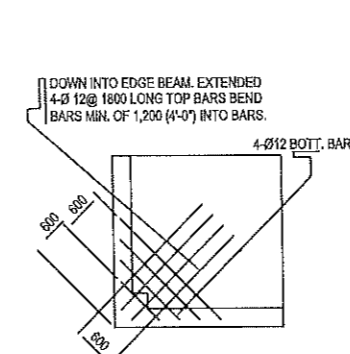
- ALL SLAB REINFORCEMENTS SHALL BE 20mm CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.
- UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS:



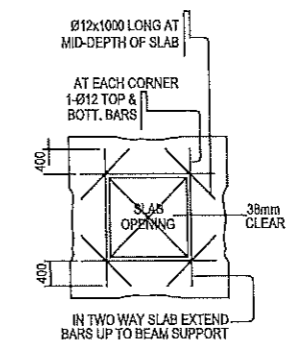
- IF SLABS ARE REINFORCED BOTHWAYS BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLUMN STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1 1/2) SLAB THICKNESS.
- TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0025 X GROSS-SECTIONAL AREA (A_g) OF THE SLAB. (SEE SCHEDULE BELOW)

SCHEDULE OF MINIMUM SLAB REINFORCEMENT	
MINIMUM TEMPERATURE BARS	
100 mm	10mm Ø @ 250mm EACH WAY
125 mm	10mm Ø @ 250mm EACH WAY
150 mm	10mm Ø @ 250mm EACH WAY
175 mm	10mm Ø @ 250mm EACH WAY
200 mm	10mm Ø @ 250mm EACH WAY

- UNLESS OTHERWISE NOTED IN THE PLANS ALL BEDDED SLABS SHALL BE REINFORCED WITH 10mm Ø AT 250mm O.C. EACH WAY TO CENTER OF SLAB AND CONSTRUCTION JOINTS FOR SAME SHALL NOT BE LESS THAN 3.65 METER APART.
- PROVIDE EXTRA REINFORCEMENTS FOR CORNER SLAB (TWO ADJACENT DISCONTINUES EDGES) AS SHOWN BELOW.
- CONCRETE SLAB REINFORCEMENT BE PROPERLY SUPPORTED WITH 10mm STEEL CHAIR OR APPROVED EQUIVALENT SPACED AT 1.0 METER ON CENTER BOTHWAYS.



TYPICAL CORNER SLAB DETAIL



TYPICAL SLAB OPENING DET.

NOTES ON COLUMNS

- PROVIDE EXTRA SETS OF TIES AT 100 O.C. FOR TIED COLUMN REINFORCEMENT ABOVE AND BELOW BEAM-COLUMN CONNECTIONS FOR A DISTANCE FROM FACE OF CONNECTION EQUAL TO GREATER OF THE OVERALL THICKNESS OF COLUMN, 1/3 THE CLEAR HEIGHT OF COLUMN OR 450mm.
- COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE WITH A MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE OF COARSE AGGREGATE IN MILLIMETERS.
- WHERE COLUMNS CHANGE IN SIZE, VERTICAL REINFORCEMENT SHALL BE OFFSET AT A SLOPE MONOLITHICALLY WITH THE CORE WITH MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE COARSE AGGREGATE IN MILLIMETERS
- UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPICE LENGTH SHALL BE LESS THAN 40 BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT NOT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPICES OF ADJACENT BARS IS NOT LESS THAN 600mm.

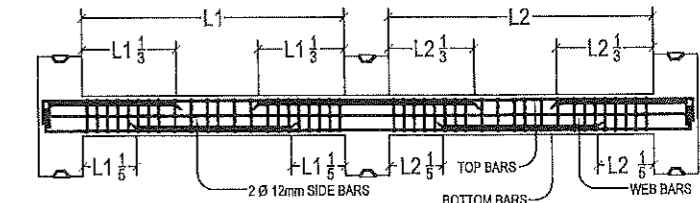
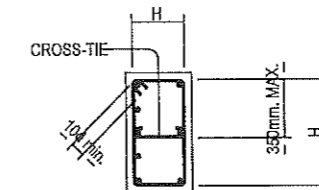


FIGURE B-1

NOTES ON BEAMS AND GIRDERS

- UNLESS, OTHERWISE NOTED IN PLANS, CAMBER ALL BEAMS AND GIRDER AT LEAST 8mm FOR EVERY 4.50 M OF SPAN, EXCEPT CANTILEVERS FOR WHICH THE CAMBER SHALL BE AS NOTED IN PLANS OR AS ORDERED BY THE ENGINEER BUT IN NO CASE LESS THAN 20 mm FOR EVERY 3.0 M OF FREE SPAN.
- TYPICAL BARS BENDING AND CUTTING DETAILS FOR BEAMS SHALL BE AS SHOWN IN FIG. B-1

PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: FRANKLIN N. ISLA III ENGINEERING ASSISTANT	REVIEWED BY: JOSEPH R. GONZALES ENGINEER - III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL: LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE RONALD GAGAS PROVINCIAL GOVERNOR	SHEET NO.: S-1 4 8
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GENERAL CONSTRUCTION NOTES

TABLE 'A'
TENSION BARS
TABLE OF LAP SPLICE & ANCHORAGE LENGTH (mm)

BAR SIZES (DEFORMED IN mm)	f _c = 20.7MPa (3000psi)		f _c = 27.6 MPa (4000psi)	
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
Ø10	300	300	300	300
Ø12	300	300	300	300
Ø16	300	400	300	400
Ø20	400	500	350	500
Ø25	500	600	500	700
Ø28	700	1000	650	850
Ø32	850	1300	850	1100

NOTES:
1. TOP PLAN BARS, MULTIPLY VALUE BY 2
2. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH

TABLE 'B'
COMPRESSION BARS
TABLE OF LAP SPLICE & ANCHORAGE LENGTH (mm)

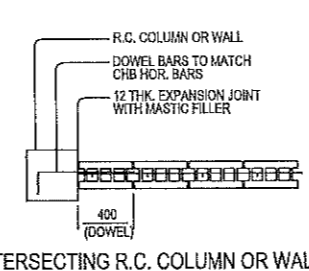
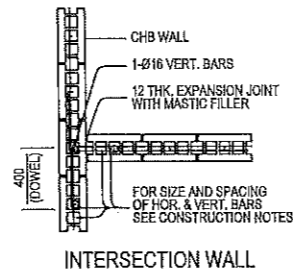
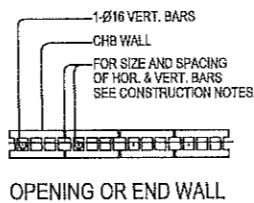
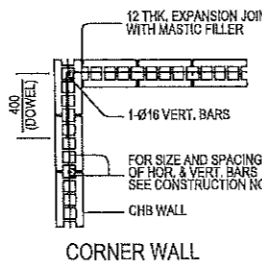
BAR SIZES (DEFORMED IN mm)	f _c = 20.7MPa (3000psi)		f _c = 27.6 MPa (4000psi)	
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
Ø10	225	300	200	300
Ø12	275	300	250	300
Ø16	350	400	325	400
Ø20	450	500	475	500
Ø25	550	625	550	625
Ø28	625	875	625	875
Ø32	700	775	700	775

NOTES:
1. TOP PLAN BARS, MULTIPLY VALUE BY 2
2. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH
3. VALUES GIVEN ABOVE CAN ALSO BE USED FOR COLUMNS

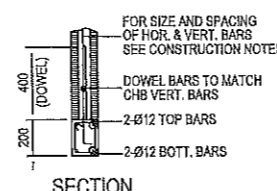
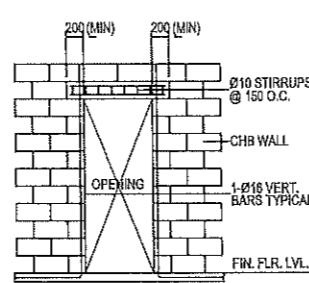
REINFORCING CONCRETE LINTEL BEAMS IN CONCRETE BLOCK WALLS

LINTELS IN BLOCK WALLS

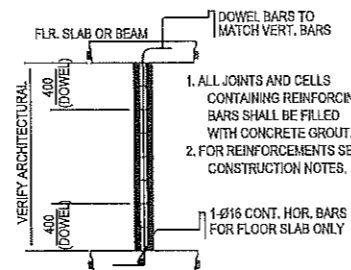
CLEAR SPAN (L)	TOTAL LENGTH (L+0.40M)	MIN. f _c (MPa)	HEIGHT OF LINTEL (mm)	REINFORCEMENT		
				BOTTOM	TOP	STIRRUPS
1.20 M	1.60 M	14.0	200	1-Ø10	1-Ø10	Ø8 mm @ 200mm
1.50 M	1.90 M	14.0	200	1-Ø10	1-Ø10	Ø8 mm @ 200mm
1.80 M	2.20 M	14.0	200	1-Ø12	1-Ø10	Ø8 mm @ 200mm
2.10 M	2.50 M	17.0	250	1-Ø12	1-Ø10	Ø8 mm @ 200mm
2.40 M	2.80 M	17.0	250	1-Ø12	1-Ø10	Ø8 mm @ 200mm
2.70 M	3.10 M	17.0	250	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.00 M	3.40 M	20.0	300	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.30 M	3.70 M	20.0	300	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.60 M	4.00 M	20.0	300	1-Ø20	1-Ø12	Ø10mm @ 200mm



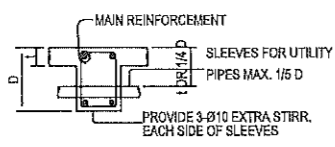
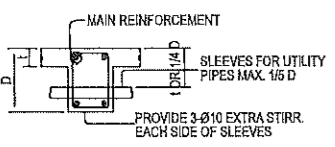
TYPICAL CONNECTION DETAIL OF MASONRY WALL



TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING



- IF THE BEAM REINFORCING BARS END IN A WALL, THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL IS NOT LESS THAN 25mm. EMBEDMENT LENGTH SHALL BE SHOWN IN TABLE 'A' FOR TENSION BARS AND TABLE 'B' FOR COMPRESSION BARS UNLESS SPECIFIED IN PLAN. TOP BARS SHALL NOT BE SPLICED WITHIN THE COLUMN OR TWO STIRRUPS SHALL BE PROVIDED AT ALL SPLICES.
- IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE 25mm BAR SEPARATORS SPACED AT 1.0M ON CENTER IN NO CASE SHALL THERE BE THAN TWO (2) SEPARATORS BETWEEN LAYERS OF BARS
- MINIMUM CONCRETE PROTECTION FOR REINFORCING BARS OR STEEL SHAPES SHALL BE AS SHOWN IN FIGURE B-2 UNLESS ELSEWHERE.



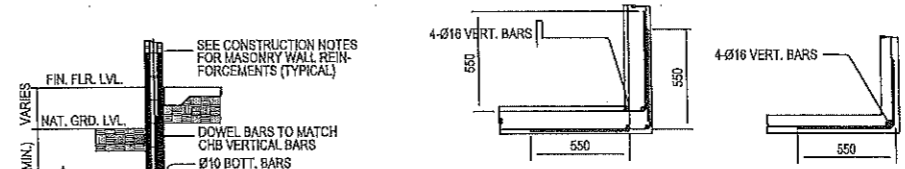
- WHEN A BEAM CROSSES A GIRDER, REST BEAM ON TOP OF GIRDER BARS, BEAM REINFORCING BARS SHALL BE SYMMETRICAL ABOUT THE CENTER LINE WHENEVER POSSIBLE.
- GENERALLY, NO SPLICES SHALL BE PERMITTED AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR, SPLICES WHERE SO PERMITTED SHALL BE INDICATED IN TABLE 'A' AND 'B'. WELDED SPLICES SHALL DEVELOP IN TENSION AT LEAST 125% OF THE SPLICED YIELD STRENGTH OF THE BAR NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION IS ALLOWED TO BE SPLICED THEREIN.

NOTES ON CONCRETE HOLLOW BLOCKS WALLS

- UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.
- PROVIDE 150mm x 300mm STIFFENER COLUMN REINFORCED WITH 4-12mm WITH 10mm Ø TIES AT 150mm ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0M LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS.

NOTES ON CONCRETE HOLLOW BLOCKS WALLS REINFORCEMENTS

BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	LAPPED	
75 mm	10mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	A. MINIMUM LAPS AT SPLICE= 0.25 M
125 mm	10mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 0.92 m LONG
150mm	10mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	C. WHERE CHB OR CER. BLK. WALL DOWELS WITH THE SAME SIZE AS VER. OR HOR. REINFORCEMENT SHALL BE PROVIDED
200 mm	12mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	



NOTES ON WELDS

- USE E60xx ELECTRODES FOR ALL MEMBERS WELDED.
- WELDS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS JOINED UNLESS OTHERWISE SHOWN OR DETAILED IN THE DRAWINGS.

NOTES ON STRUCTURAL STEEL

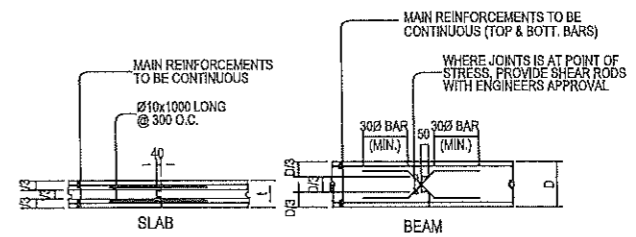
- STRUCTURAL STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
- ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE INDICATED.
- ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED.
- UNLESS OTHERWISE SPECIFIED ALL WELDING RODS SHALL CONFORM WITH E60 ELECTRODES.
- ALL BOLTS USED UNLESS OTHERWISE SPECIFIED SHALL BE ASTM A 307 BOLTS.

NOTES ON EMBEDDED PIPES

- ALL EMBEDDED PIPES FOR UTILITIES ETC. THAT PASS THRU BEAMS SHALL NOT EXCEED 100mm IN DIAMETER OR 1/3 BEAM DEPTH WHICHEVER IS LESS, UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- NO PIPES SHALL BE ALLOWED TO PASS THRU BEAMS VERTICALLY.
- NO PIPES SHALL BE EMBEDDED IN COLUMNS.

NOTES ON CONSTRUCTION JOINTS IN CONCRETE

- WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF CONCRETE SHALL BE CLEANED AND ALL LANTANCE AND STANDING WATER REMOVED SHEAR KEY SHALL BE PROVIDE AT THE JOINT.



NOTES ON CONCRETE WALLS

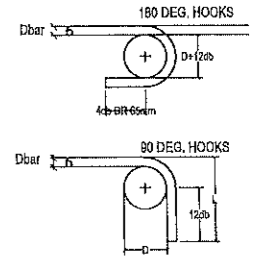
- ALL WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF WALL REINFORCEMENT UNLESS OTHERWISE INDICATED IN THE PLANS.

WALL THICKNESS	REINFORCEMENT		REMARKS	VERTICAL SECTION
	HORIZONTAL	VERTICAL		
100mm	Ø10mm @ 250mm O.C.	Ø10mm @ 300mm O.C.	HORIZONTAL BARS AT CENTERS VERTICAL BARS STAGGED OUT	
125mm	Ø10mm @ 200mm O.C.	Ø10mm @ 250mm O.C.		
150mm	Ø12mm @ 250mm O.C.	Ø12mm @ 300mm O.C.		

- REINFORCING BARS SHALL HAVE 25mm CLEAR CONCRETE COVER FROM FACE OF WALL EXCEPT FOR WALLS IN CONTACT WITH THE GROUND WHERE A MINIMUM OF 60mm SHALL BE PROVIDED AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50mm CLEAR.
- CARRY VERTICAL BARS AT LEAST 60mm ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES WHEN NECESSARY STOP AT 50mm BELOW TOP SLAB OR SOLID BAND WHERE THE WALL ENDS VERTICAL AND HORIZONTAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO 30 DIAMETERS AND WIRED SECURELY WITH 16 G.I. WIRE PROVIDED THAT SPLICES IN ADJACENT BARS ARE STAGGERED AT LEAST 1.50M O.C.
- UNLESS OTHERWISE NOTED IN THE PLANS, ALL OPENINGS IN WALLS 250mm OR THICKER SHALL BE REINFORCED AROUND WITH 2-20mmØ BARS. FOR 225mm, 200mm, 175mm, 150mm THICK WALLS, USE 2-16mmØ. FOR 125mm AND 100mm THICK WALLS, USE 2-12mmØ BARS. ALL WALLS SPANNING SHALL HAVE VERTICAL REINFORCEMENT BENT A U-FORM LIKE STIRRUPS AND SPACED ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED.

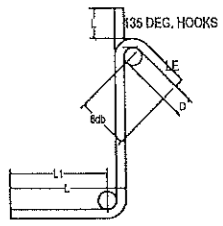
NOTES ON STIRRUPS

- ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
- AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER.
- TIES & CLOSE STIRRUPS MUST BE AT 135.



MAIN BAR END HOOKS (ALL GRADES)

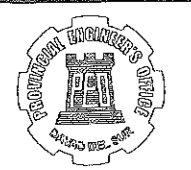
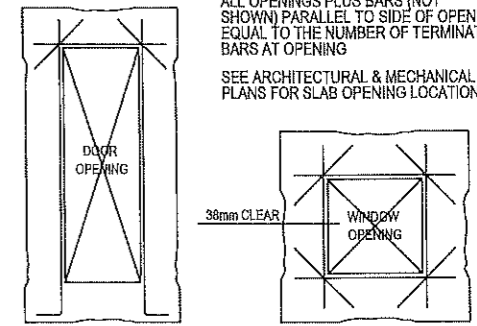
BAR SIZE (DEFORMED)	DIAMETER (mm)	180° HOOK		90° HOOK	
		D=2db	L	L	L
10 mm Ø	60	75	125	150	150
12 mm Ø	75	100	150	200	200
16 mm Ø	95	125	175	250	250
20 mm Ø	115	150	200	300	300
25 mm Ø	150	200	250	450	450
28 mm Ø	210	300	350	500	500
32 mm Ø	300	335	450	600	600



STIRRUP AND THE TIE HOOKS (ALL GRADES)

BAR SIZE (DEFORMED)	DIAMETER (mm)	180° HOOK		90° HOOK	
		D=2db	L	L	L
10 mm Ø	40	125	65	100	100
12 mm Ø	50	155	115	115	115
16 mm Ø	65	200	140	150	150
20 mm Ø	115	300	165	300	300
32 mm Ø	150	335	230	405	405

- NOTE:
PROVIDE THESE ADDITIONAL BARS FOR ALL OPENINGS PLUS BARS (NOT SHOWN) PARALLEL TO SIDE OF OPENING EQUAL TO THE NUMBER OF TERMINATED BARS AT OPENING
SEE ARCHITECTURAL & MECHANICAL PLANS FOR SLAB OPENING LOCATION.



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SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
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LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

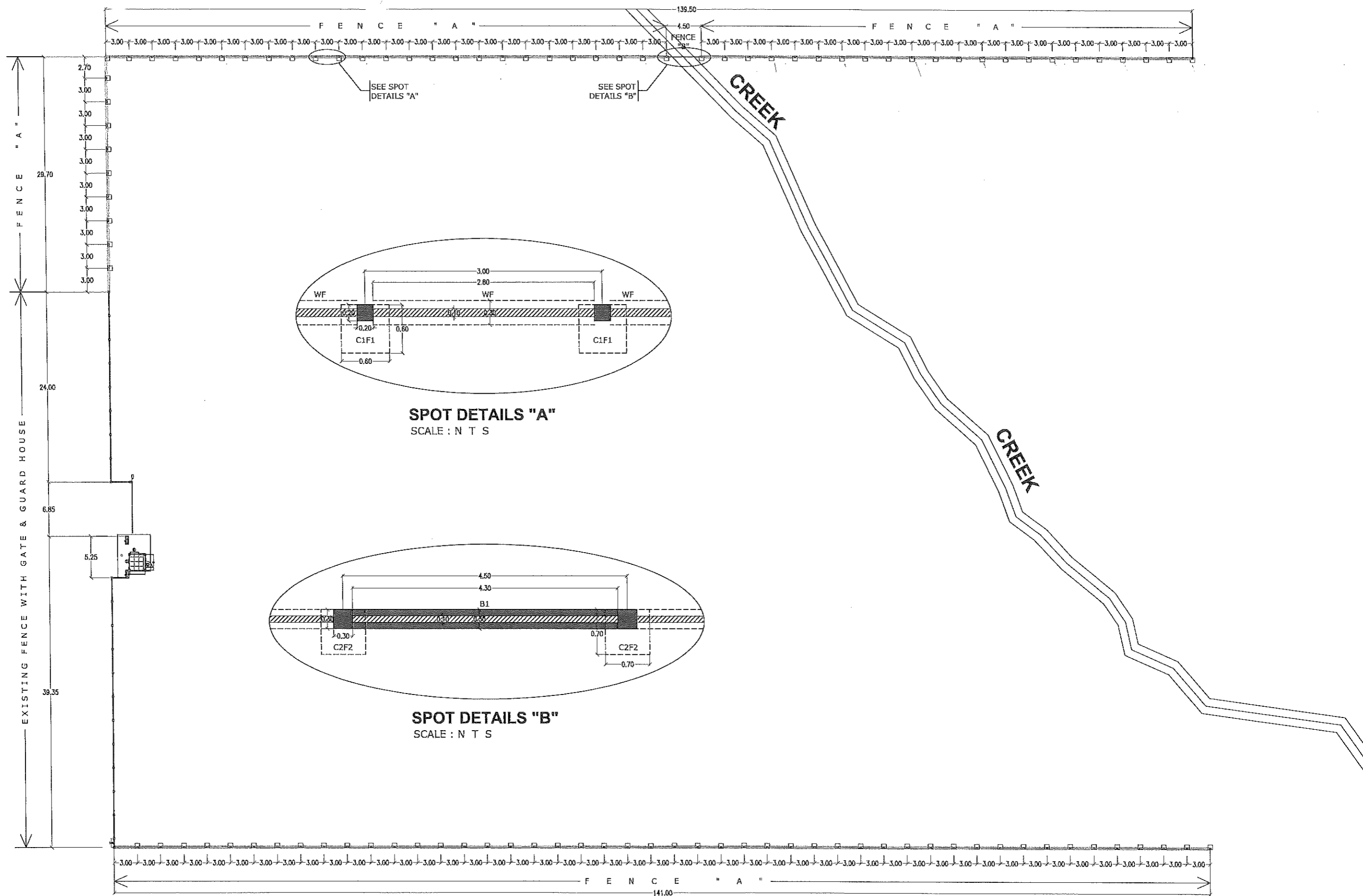
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RECOMMENDING APPROVAL:
LEONEL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE RONCAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
S-2
5 8



SPOT DETAILS "A"
SCALE : N T S

SPOT DETAILS "B"
SCALE : N T S

3 FENCE "B" ELEVATION
A-2 DRAWN NOT TO SCALE



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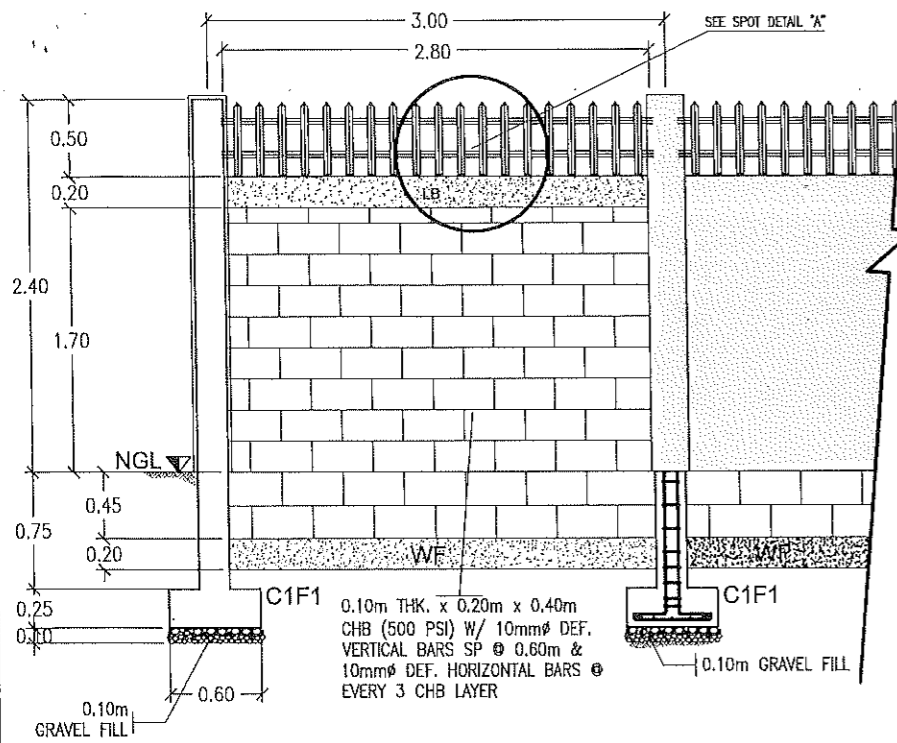
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ENGINEER - II
PLANNING AND PROGRAMMING DIV. HEAD

RECOMMENDING APPROVAL:
[Signature]
LEONERL MARCH P. SJARIO
PROVINCIAL ENGINEER

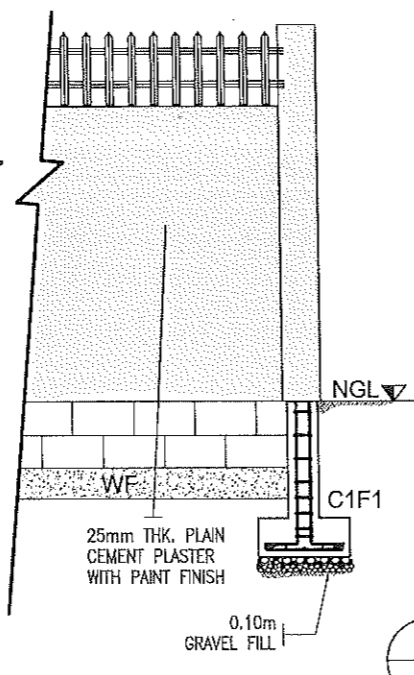
APPROVED BY:
[Signature]
YVONNE RONACAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
S-3
6 8

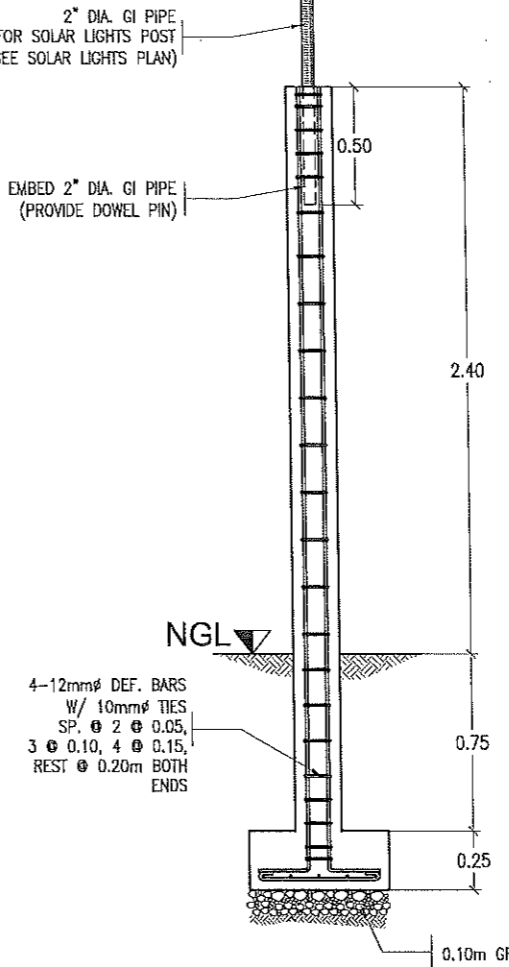
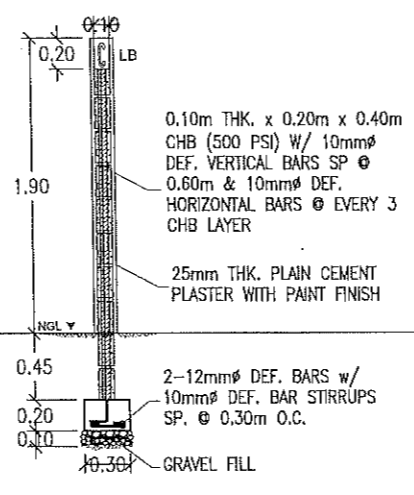


1 FENCE "A" DETAILS
SCALE 1 : 50

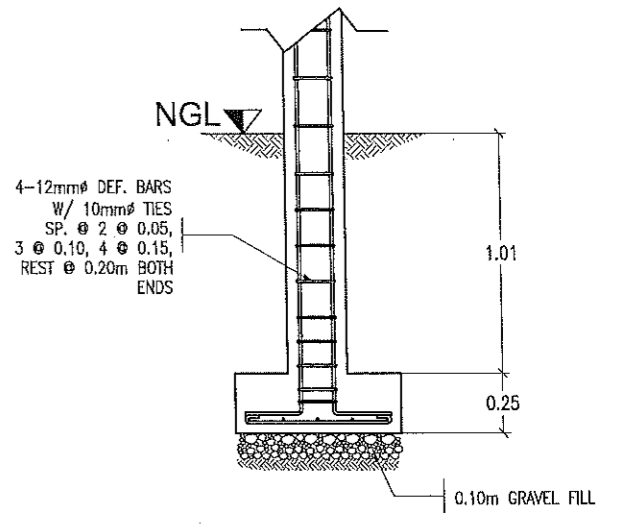
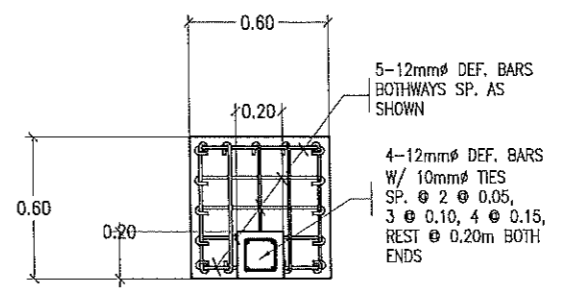
0.10m x 0.20m x 0.40m CONCRETE HOLLOW BLOCKS (500 PSI) W/ 10mm ϕ DEF. VERTICAL BARS SP @ 0.60m & 10mm ϕ DEF. HORIZONTAL BARS @ EVERY 3 CHB LAYER



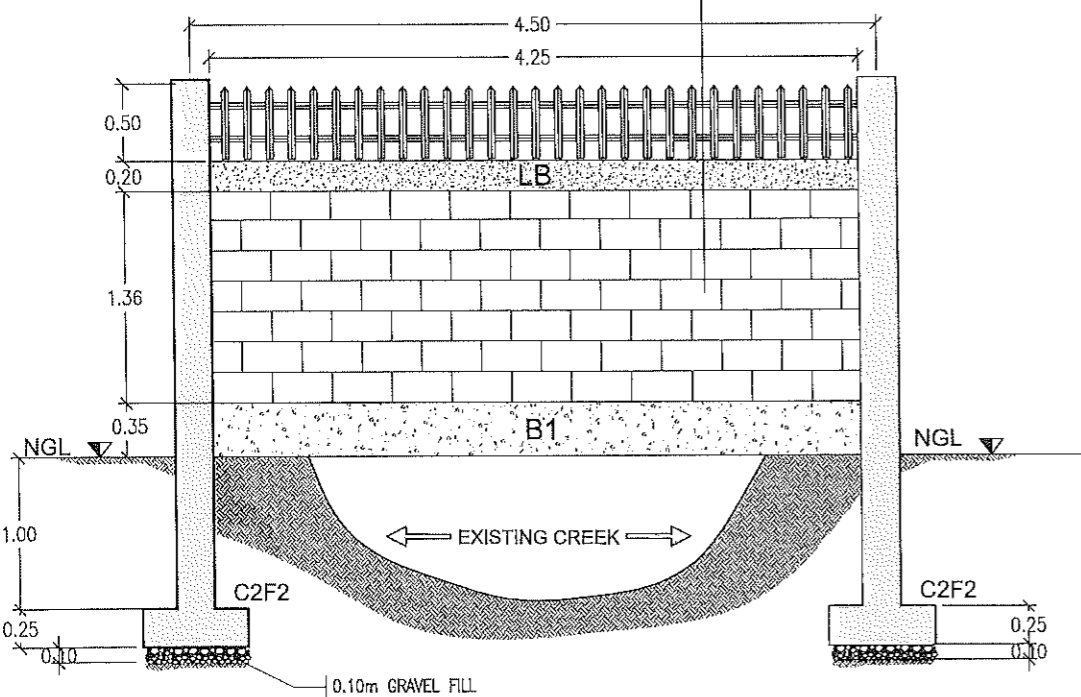
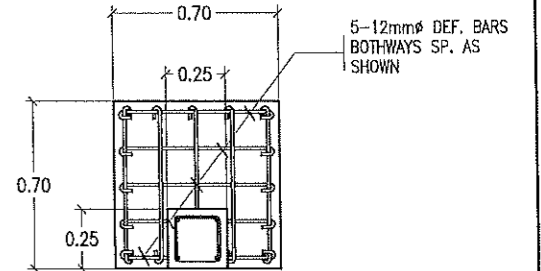
2 WF1 DETAILS
SCALE 1 : 50



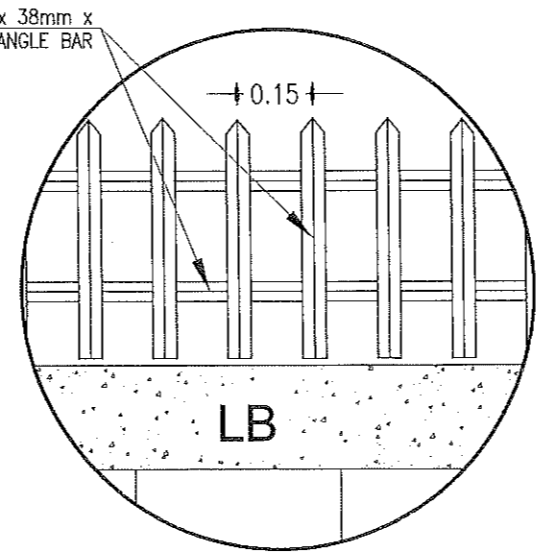
3 C1F1 DETAILS
SCALE 1 : 30



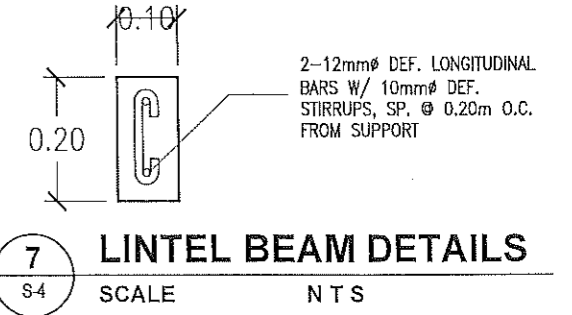
4 C2F2 DETAILS
SCALE 1 : 30



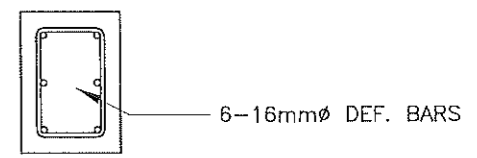
5 FENCE "B" DETAIL
SCALE 1 : 50



6 SPOT DETAILS "A"
SCALE N T S



7 LINTEL BEAM DETAILS
SCALE N T S



8 BEAM 1 DETAILS
SCALE N T S

USE: 10mm ϕ DEF. BARS STIRRUPS SP 2 @ 0.05m, 4 @ 0.10m, 8 @ 0.15m, REST @ 0.20m BOTH ENDS



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SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
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LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

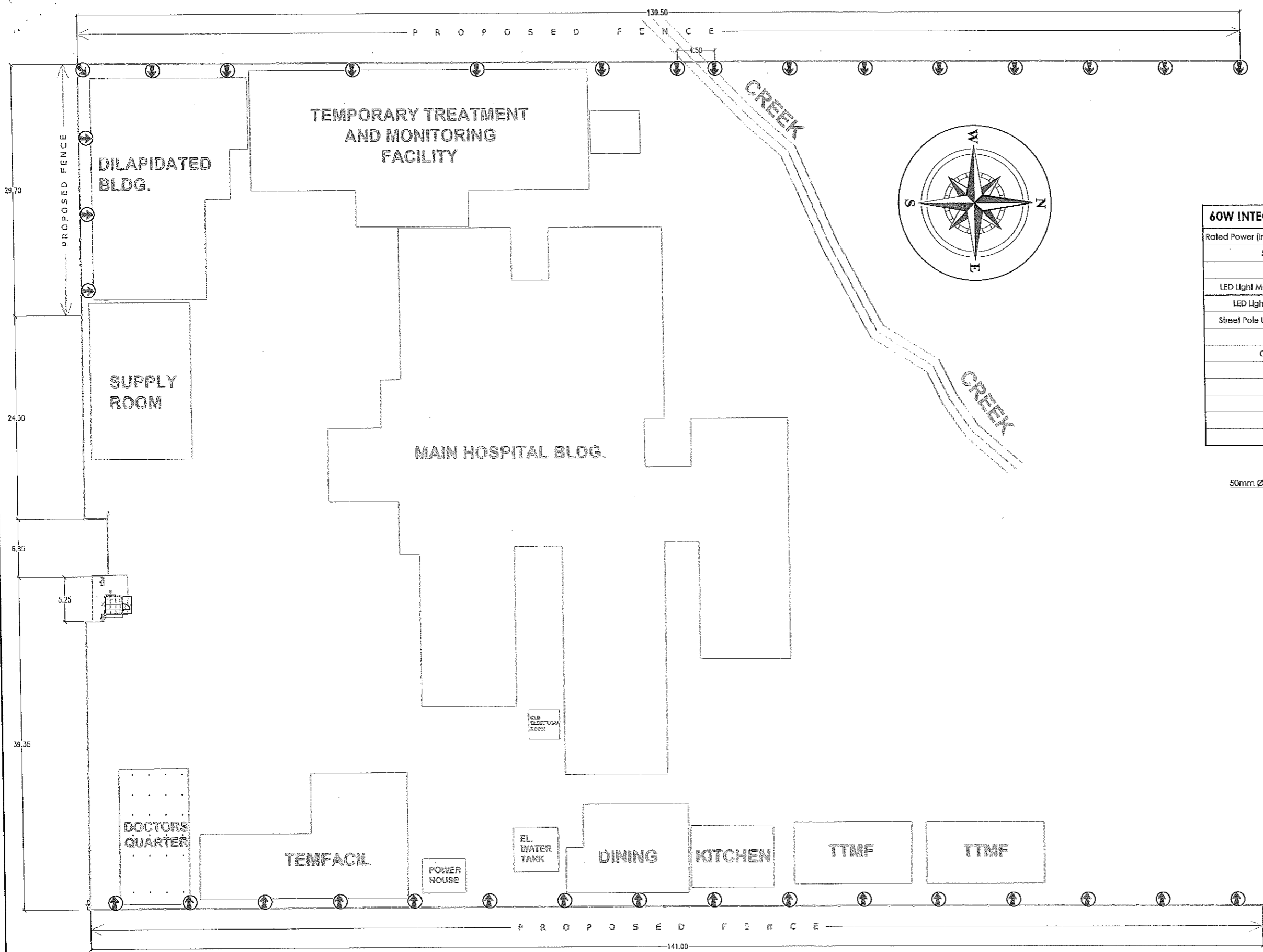
PREPARED BY:
Franklin N. Isla III
FRANKLIN N. ISLA III
ENGINEERING ASSISTANT

REVIEWED BY:
Joseph R. Gonzales
JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

RECOMMENDING APPROVAL:
Leonel March P. Suario
LEONEL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
Yvonne Ron Cagas
YVONNE RON CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
S-4
7 8



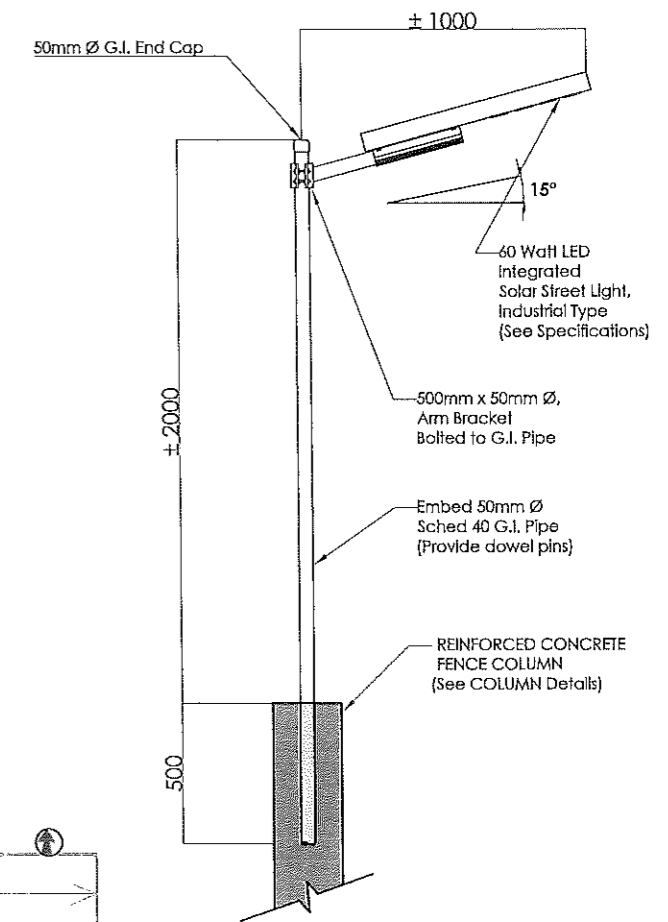
LEGEND

SINGLE ARM SOLAR STREET LIGHT
(SOLAR LIGHT FACING
ARROWHEAD DIRECTION)

- NOTE**
- 34 Units Single Arm Solar LED Streetlights embedded on Reinforced Concrete Fence.
 - Solar Streetlights should not exceed existing building eaves. Height Varies depending on the actual existing structures.
 - Trim Surrounding trees for installed streetlights to prevent solar panel shading.

60W INTEGRATED LED SOLAR STREET LIGHT SPECIFICATION

Rated Power (in total of 100lm per watt)	60W
Solar Panel	50W Monocrystalline, 25 Years Lifespan
Battery	40AH/3.7V Lithium Battery, 5 Years Lifespan
LED Light Maximum Luminous Flux	6000 lm
LED Light Source (Lifespan)	50,000 Hours
Street Pole Upper Mouth Diameter	50-60mm
Material	Aluminum Alloy
Charge Time	Effective Sunshine 3-6 Hours
Light Time	Can be Maintained 2-3 Rainy Days Continuously
Light Mode	Time Control + Light Control
IP Rating	CE / ROHS / IP65
Dimension	800mm x 350mm x 120mm
Warranty	1 Year

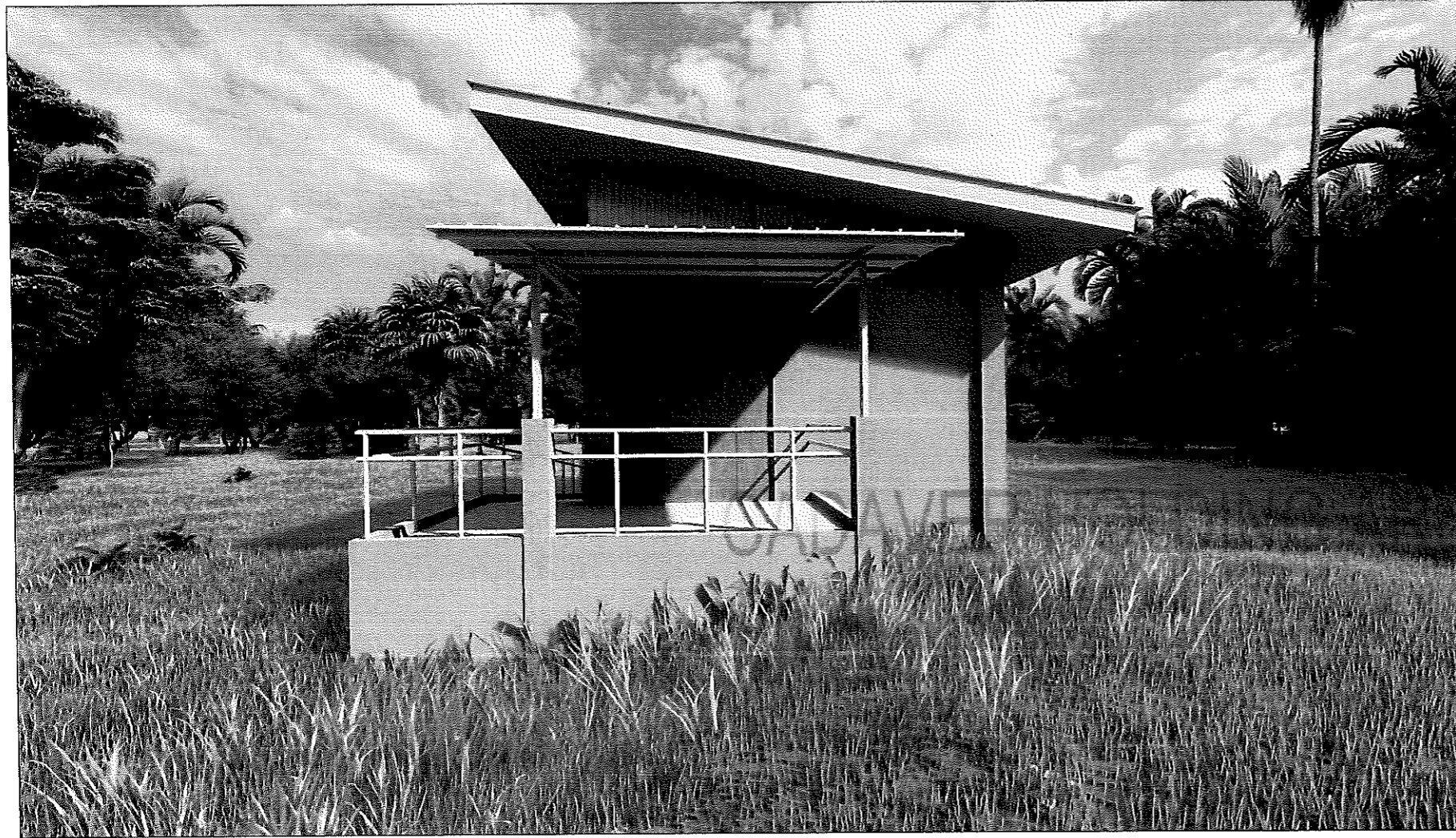


SOLAR STREETLIGHTS LOCATION MAP DNTS

SOLAR STREETLIGHT POLE MOUNTING DETAILS DNTS

<p>REPUBLIC OF THE PHILIPPINES PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR</p>	<p>PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)</p>	<p>PREPARED BY: <i>Christian R. F. Dumasig</i> CHRISTIAN R. F. DUMASIG ENGINEER I</p>	<p>REVIEWED BY: <i>Joseph R. Gonzales</i> JOSEPH R. GONZALES ENGINEER - III PLANNING AND PROGRAMMING DIV. HEAD</p>	<p>RECOMMENDING APPROVAL: <i>Leonerl March P. Suario</i> LEONERL MARCH P. SUARIO PROVINCIAL ENGINEER</p>	<p>APPROVED BY: <i>Yvonne Ron Cagas</i> YVONNE RON CAGAS PROVINCIAL GOVERNOR</p>	<p>SHEET NO.:</p> <p>E-1</p> <p>8 8</p>
	<p>LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR</p>					

4. CADAVER HOLDING AREA



1
PERSPECTIVE
 A-1 DRAWN NOT TO SCALE


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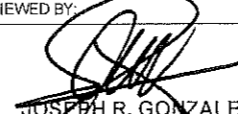
		REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
		OFFICE OF THE BUILDING OFFICIAL
		<u>DISTRICT/CITY/MUNICIPALITY</u>
A.0	ARCHITECTURAL	
A-1	PERSPECTIVE	
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O-1	SUMMARY OF QUANTITIES	
		ELECTRICAL
		MECHANICAL

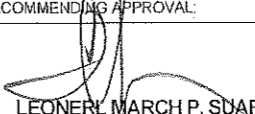



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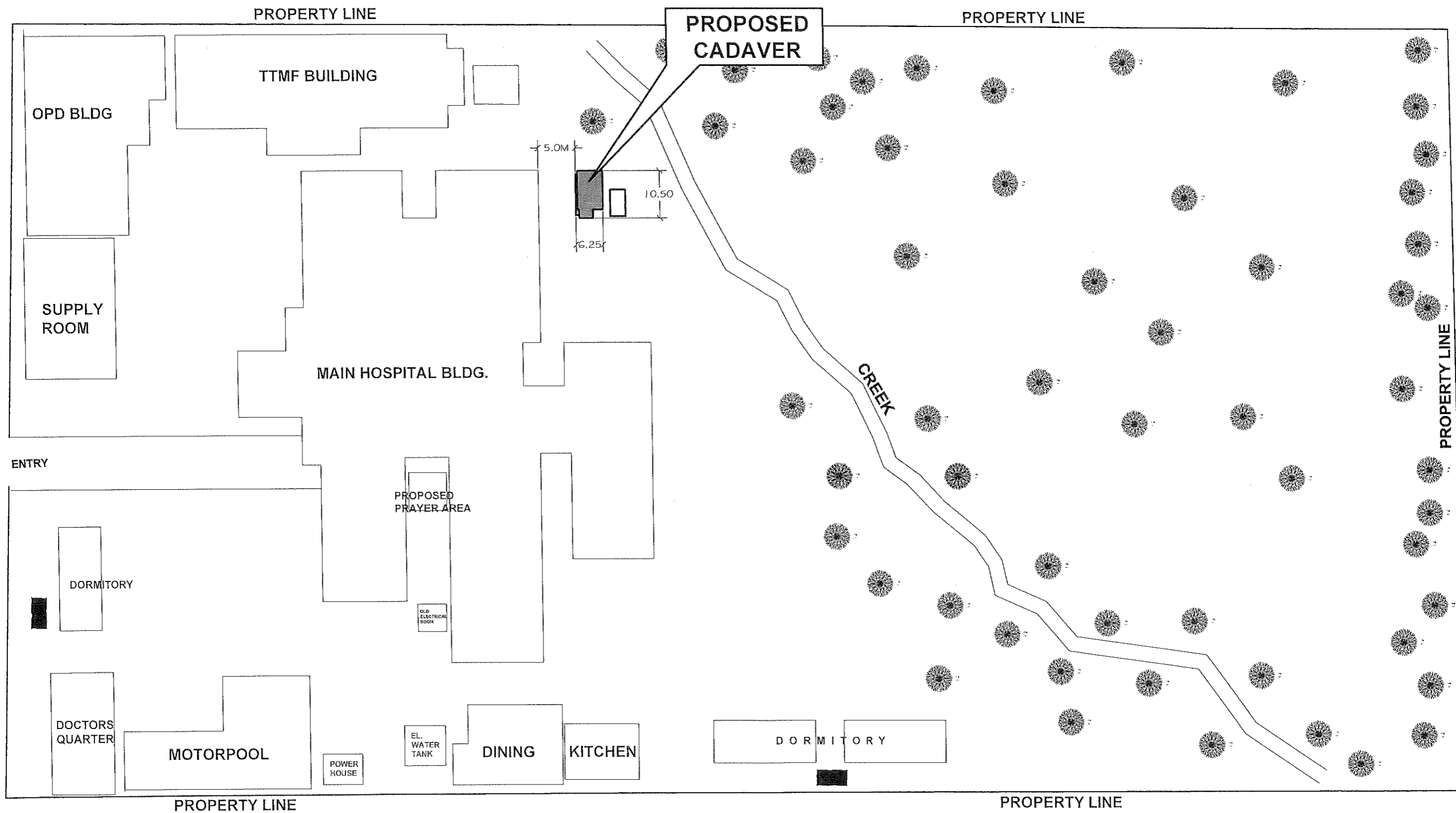
PREPARED BY:

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 ARCHITECT II

REVIEWED BY:

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 ENGINEER - III
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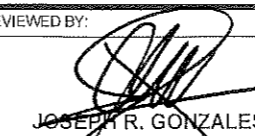
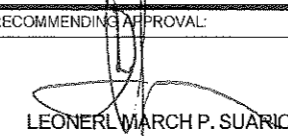

RECOMMENDING APPROVAL:

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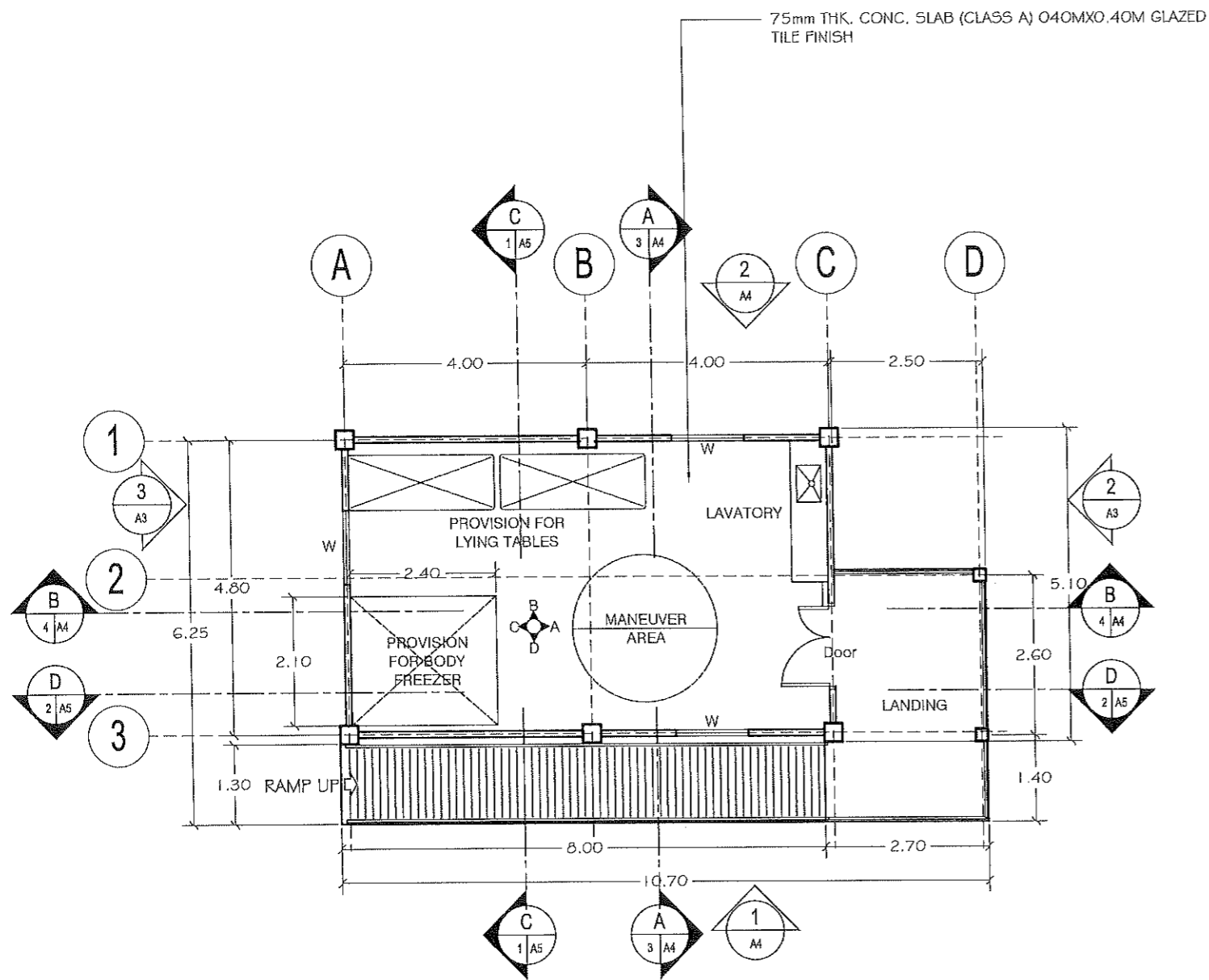
APPROVED BY:

YVONNE ROSA CAGAS
 PROVINCIAL GOVERNOR

SHEET NO.:
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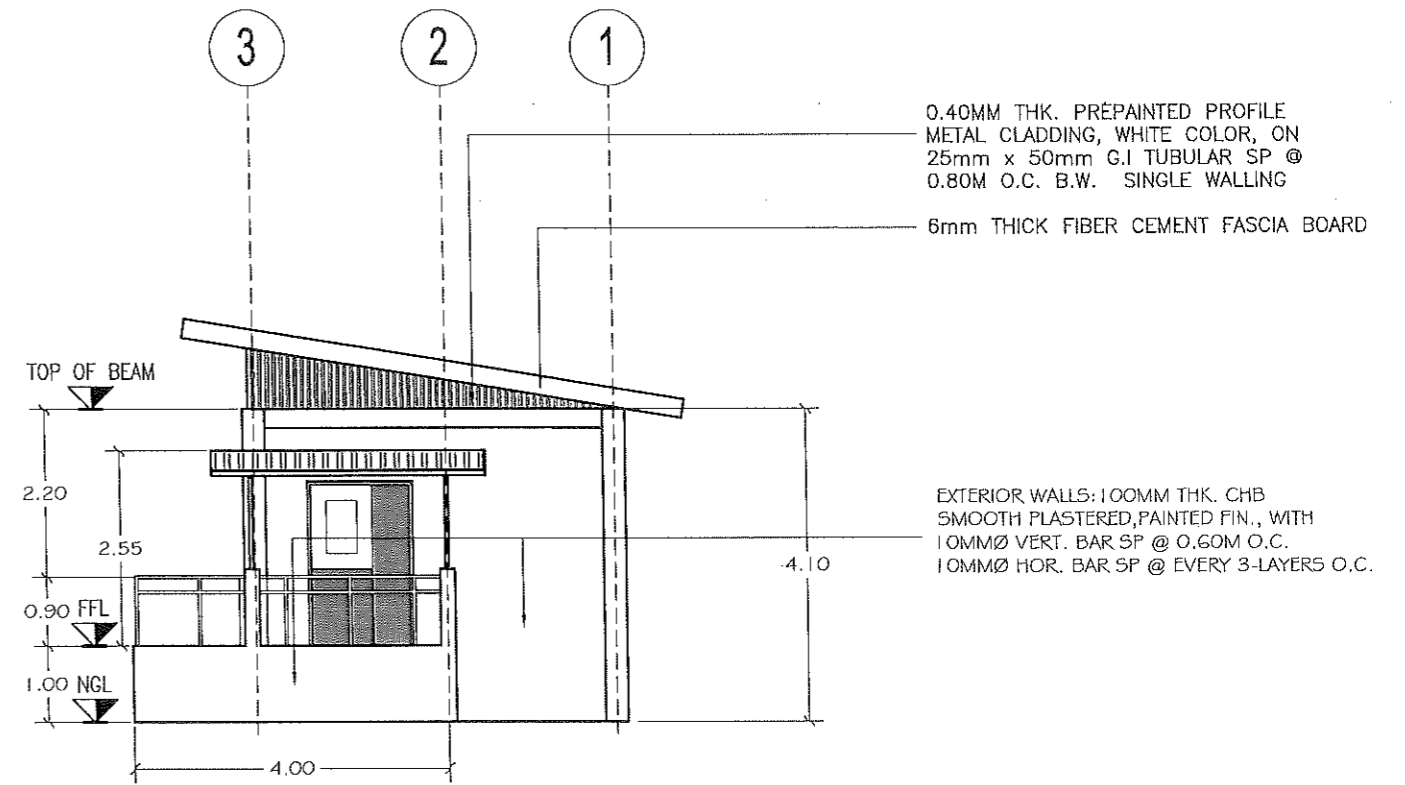


1 SITE DEVELOPMENT PLAN
 A2 SCALE NTS

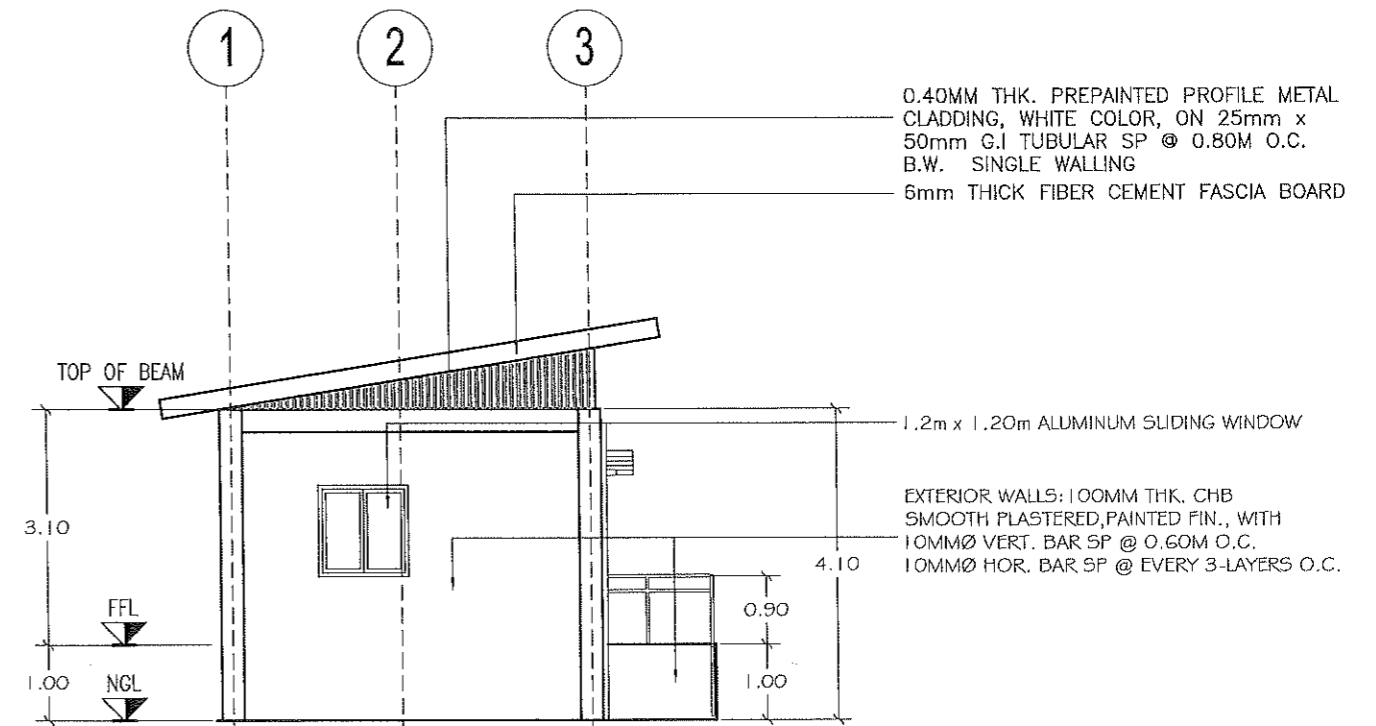
 <p>REPUBLIC OF THE PHILIPPINES PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR</p>	PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY:  ADNAN SHAMIR L. PIÑOL ARCHITECT II	REVIEWED BY:  JOSEPH R. GONZALES ENGINEER - III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL:  LEONERL MARCH P. SUARIDO PROVINCIAL ENGINEER	APPROVED BY:  YVONNE ROÑA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: A-2 2 12
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					



1 FLOOR PLAN
A3 SCALE 1:100 M.



2 FRONT ELEVATION
A3 SCALE 1:100 M.



3 REAR ELEVATION
A3 SCALE 1:100 M.



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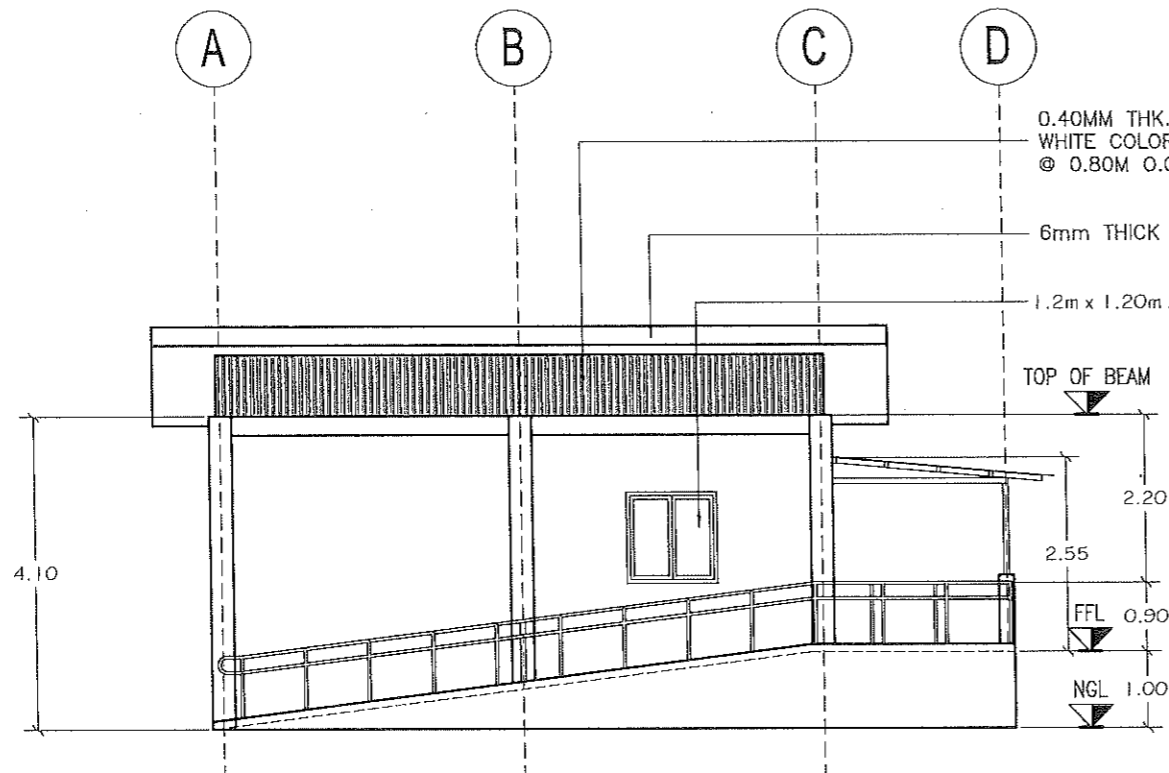
PREPARED BY:
ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

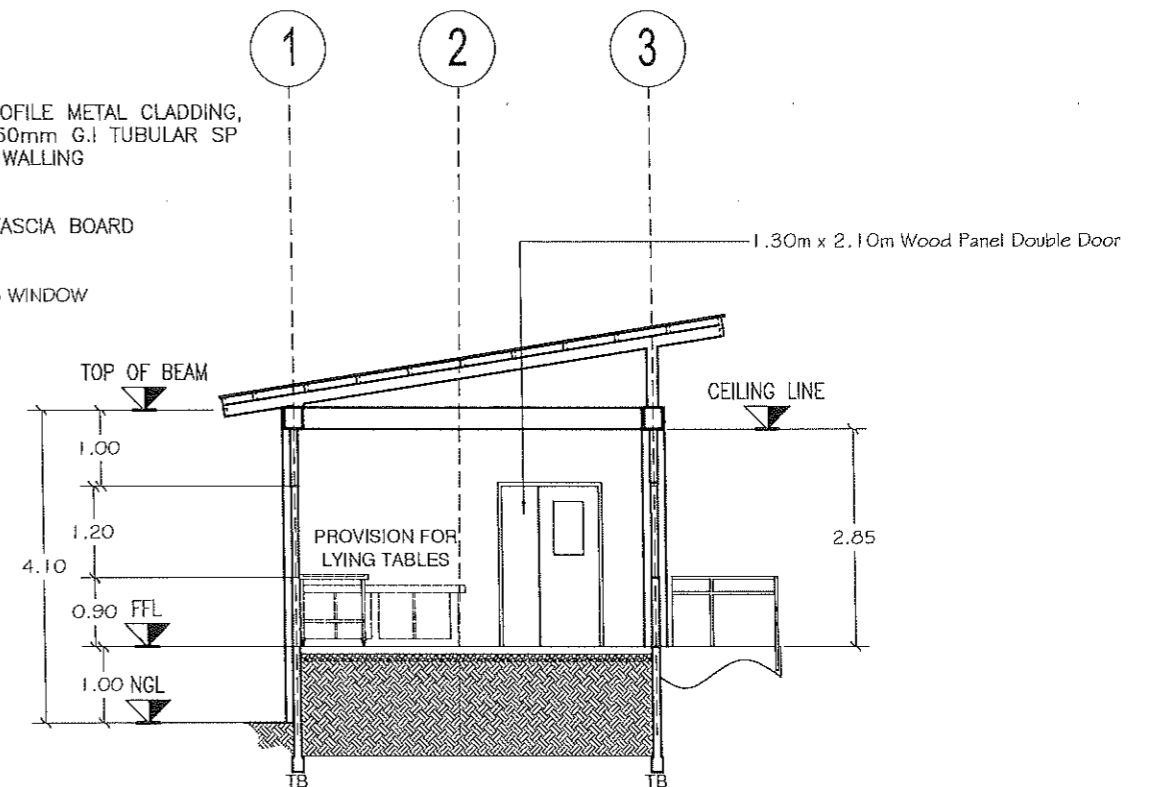
RECOMMENDATION APPROVAL:
LEONER MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE ROMA CAGAS
PROVINCIAL GOVERNOR

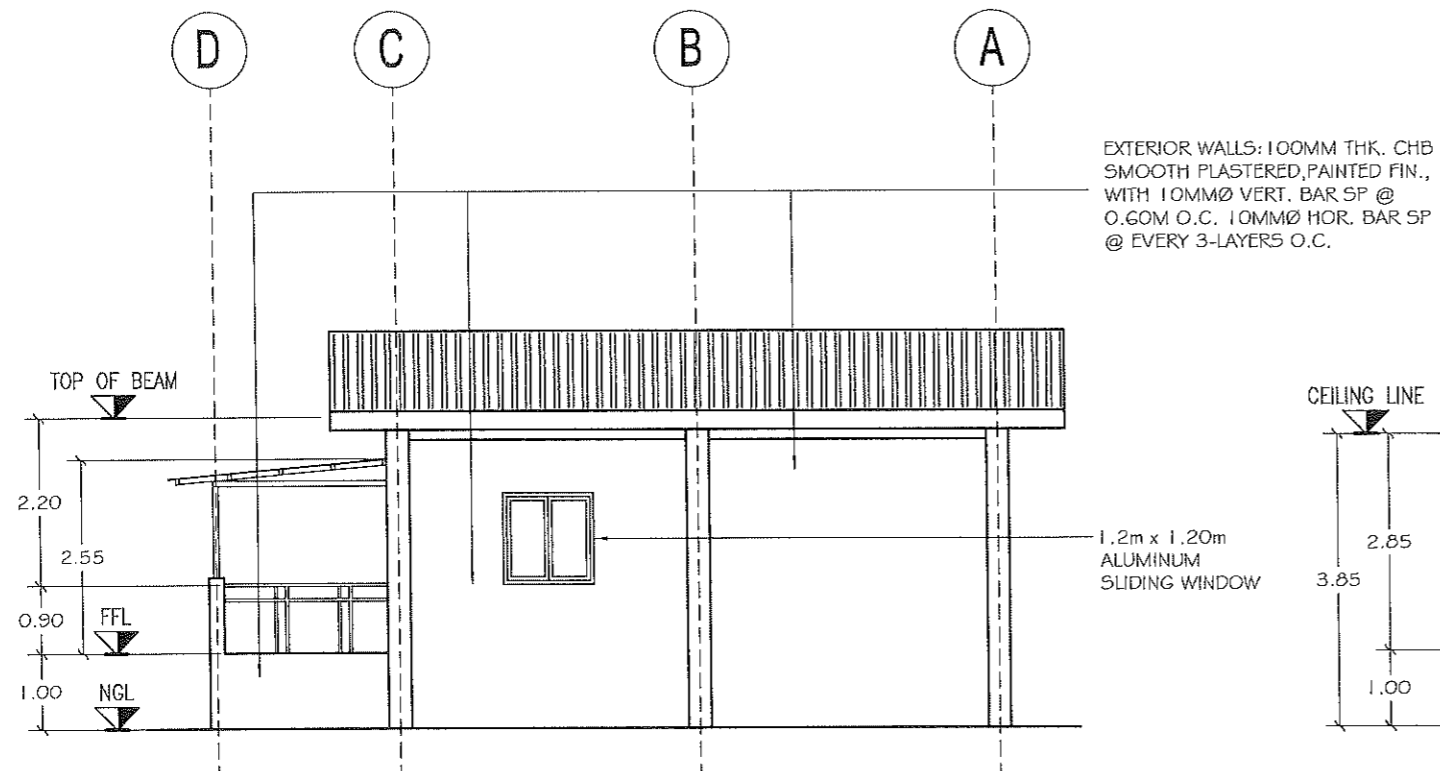
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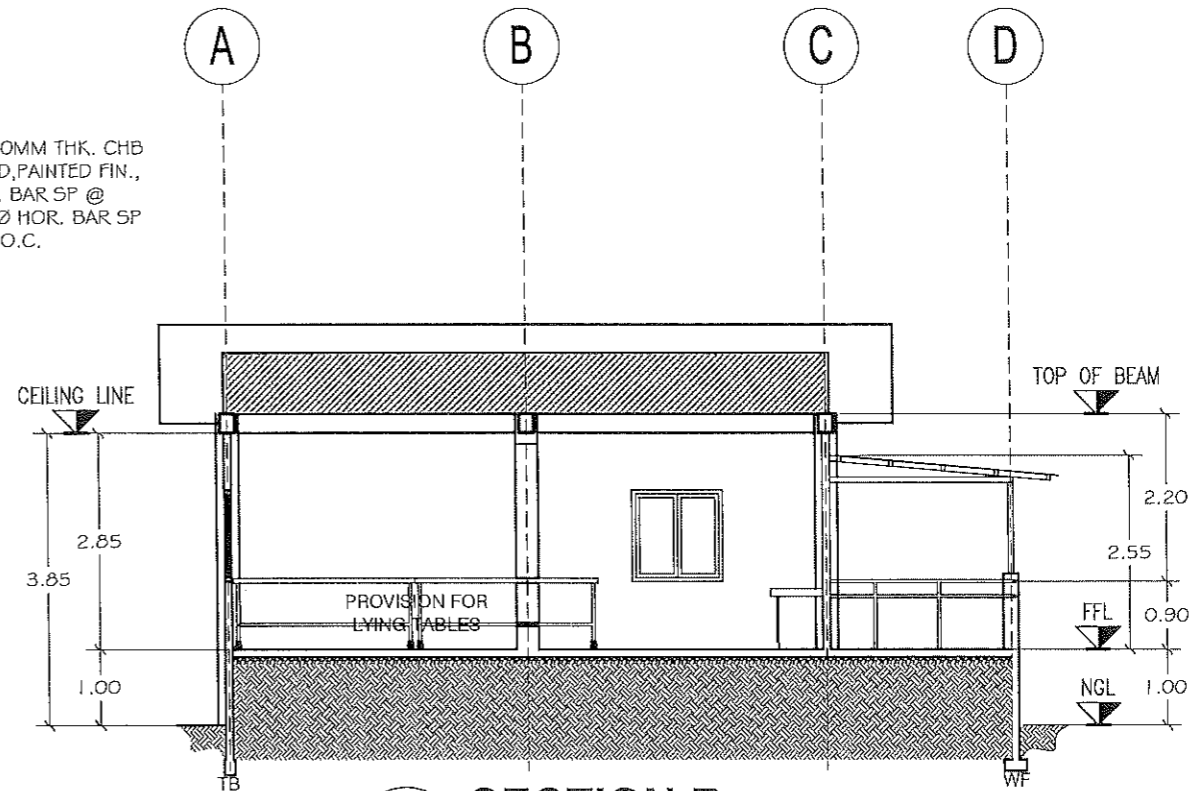
1 LEFT ELEVATION
A4 SCALE 1:100 M.



3 SECTION A
A4 SCALE 1:100 M.



2 RIGHT ELEVATION
A4 SCALE 1:100 M.



4 SECTION B
A4 SCALE 1:100 M.



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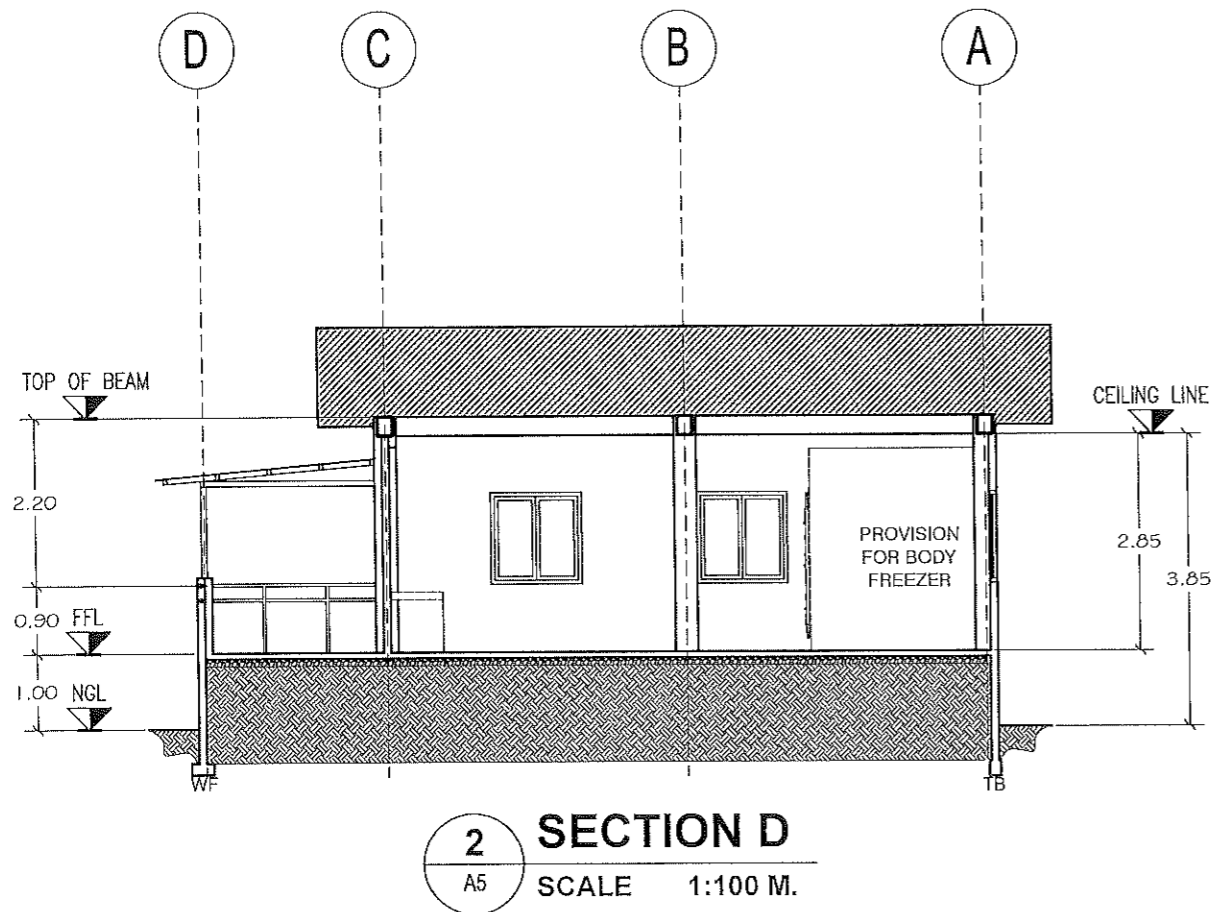
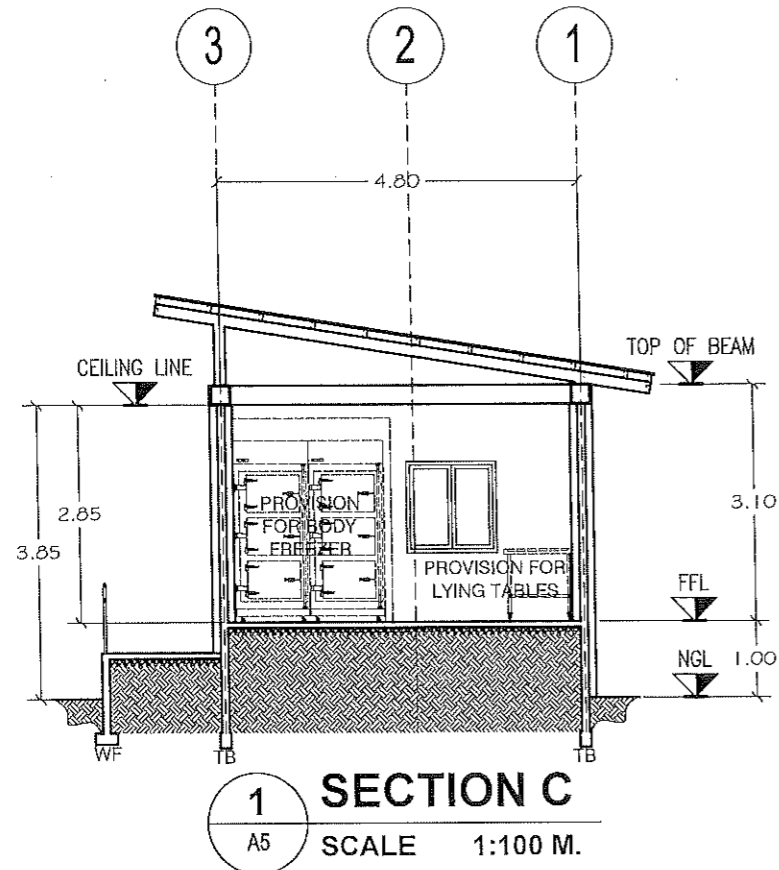
PREPARED BY:
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APPROVED BY:
YVONNE ROSA CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-4
4 12



DESIGNATION	
LINTEL BEAM LEVEL	
FIN. FLR. LINE LEVEL	
MARK	(D)
TYPE & SPECIFICATION	SWING TYPE PANEL DOUBLE DOOR, SHOP MADE, K.D. GEMELINA OR ITS EQUIV., WITH 6MM THK. CLEAR GLASS, 2"x6" DOOR JAMB, (GEMELINA OR ITS EQUIV.)
ACCESSORIES	LEVER-TYPE LOCKSET (YALE, SCHLAGE OR ITS EQUIV.), 6-PCS. OF LOOSE PIN BUTT HINGES.
LOCATION	MAIN ENTRY
QUANTITY	1 SET
FIN. FLR. LINE LEVEL	
MARK	(W)
TYPE & SPECIFICATION	(1.20mx1.20m), 1-Set, 5.6mm thk. Bronze Glass, Analok Sliding Window, w/ insect screen & welded wire mesh
LOCATION	LEFT SIDE, RIGHT SIDE, & REAR WALL OF THE BUILDING
QUANTITY	3 SETS

3 SCHEDULE OF DOORS & WINDOWS
A5 SCALE 1:50 M.



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PREPARED BY:

ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:

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PLANNING AND PROGRAMMING DIV. HEAD

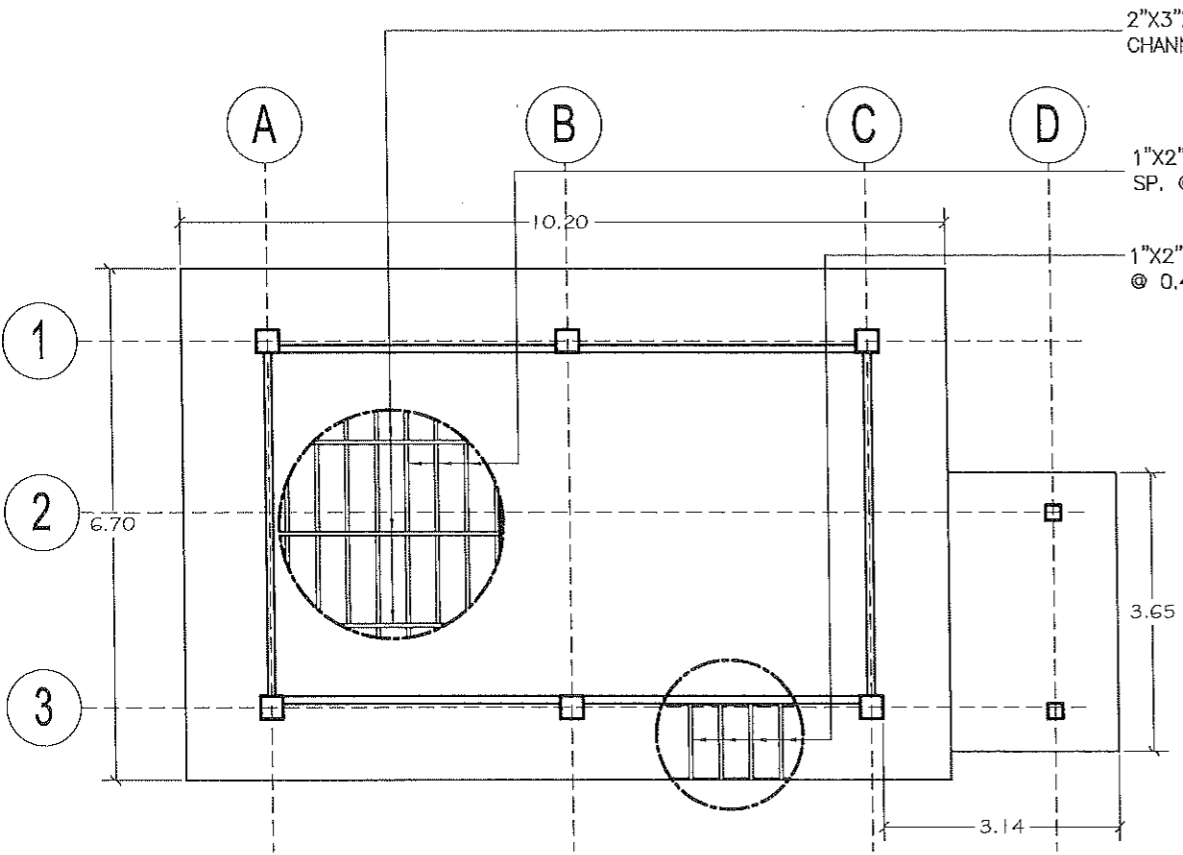
RECOMMENDING APPROVAL:

LEONER MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:

YVONNE RONA CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-5
5 12

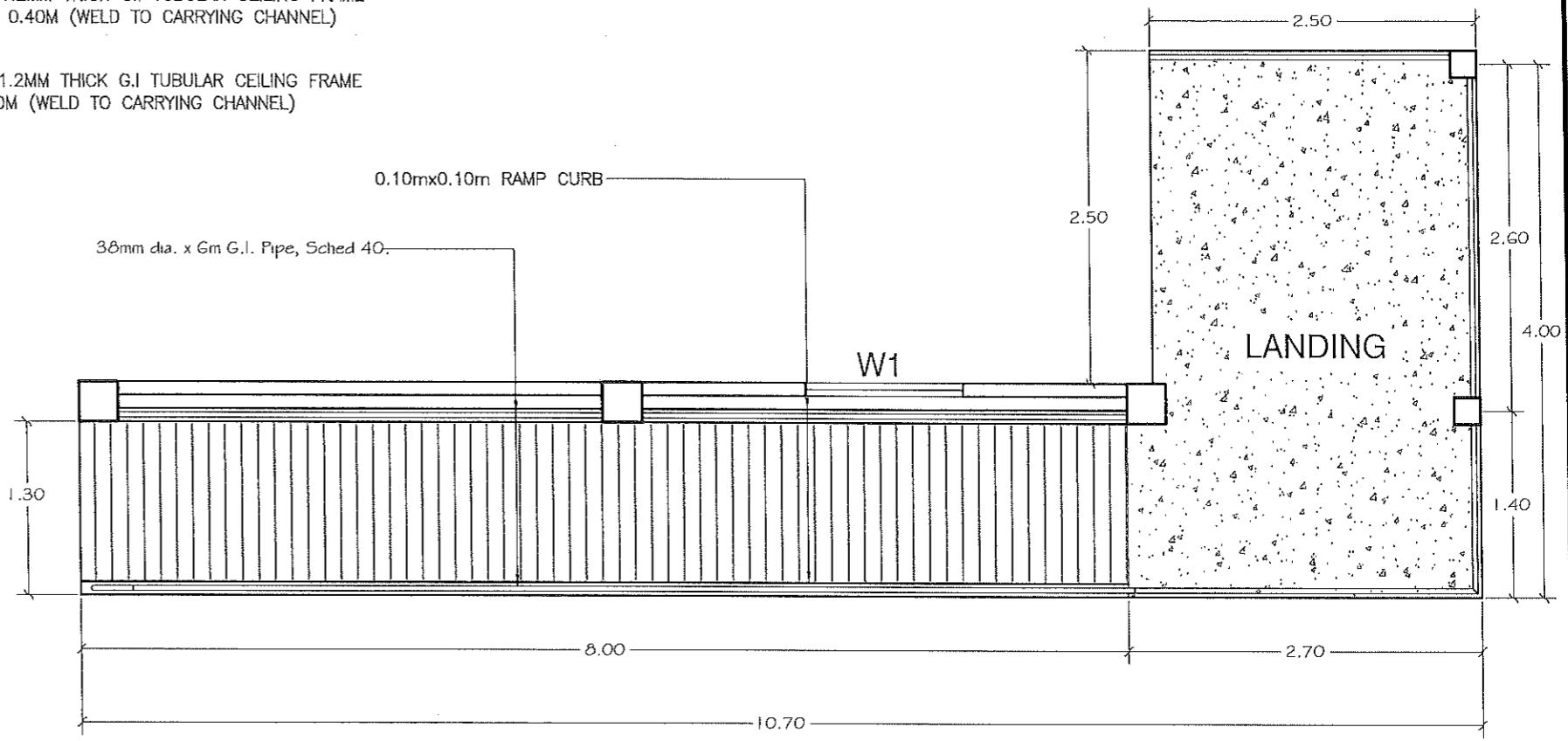


2"x3"x1.5MM THICK G.I TUBULAR CARRYING CHANNEL SPACED EVERY 4'(WELD TO RB2)

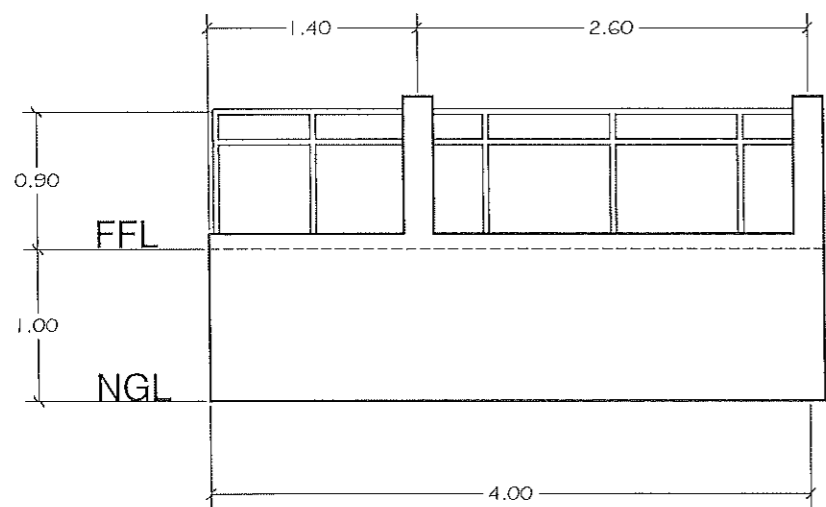
1"x2"x1.2MM THICK G.I TUBULAR CEILING FRAME SP. @ 0.40M (WELD TO CARRYING CHANNEL)

1"x2"x1.2MM THICK G.I TUBULAR CEILING FRAME @ 0.40M (WELD TO CARRYING CHANNEL)

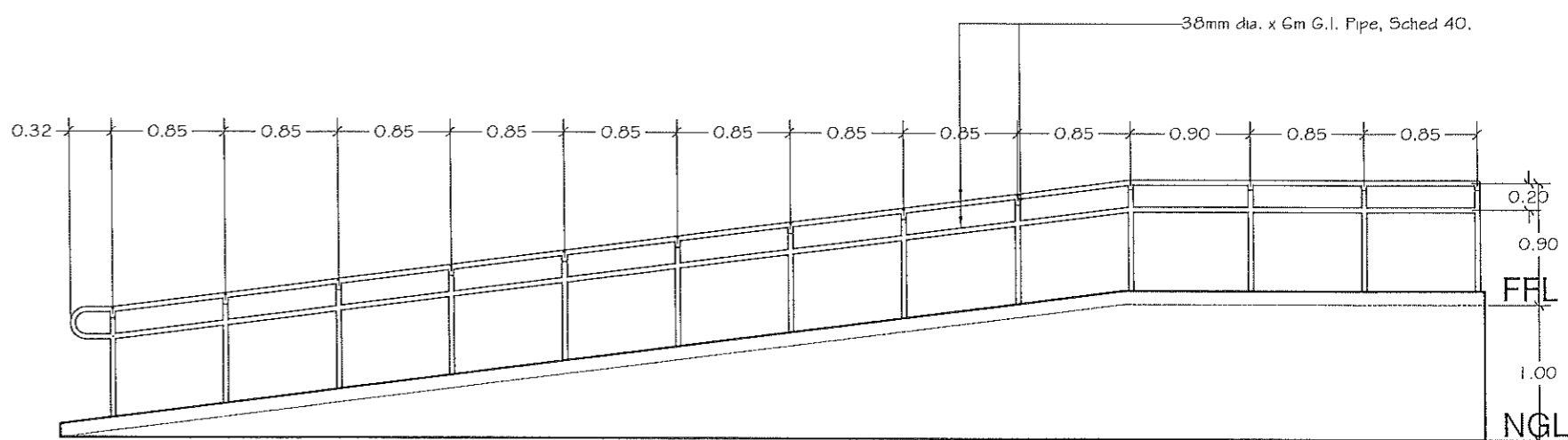
1 REFLECTED CEILING LAYOUT
 A6 SCALE 1:100 M.



RAMP PLAN
 SCALE 1:50



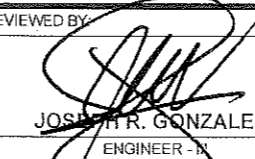
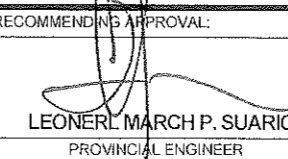



RAMP FRONT ELEVATION
 SCALE 1:50

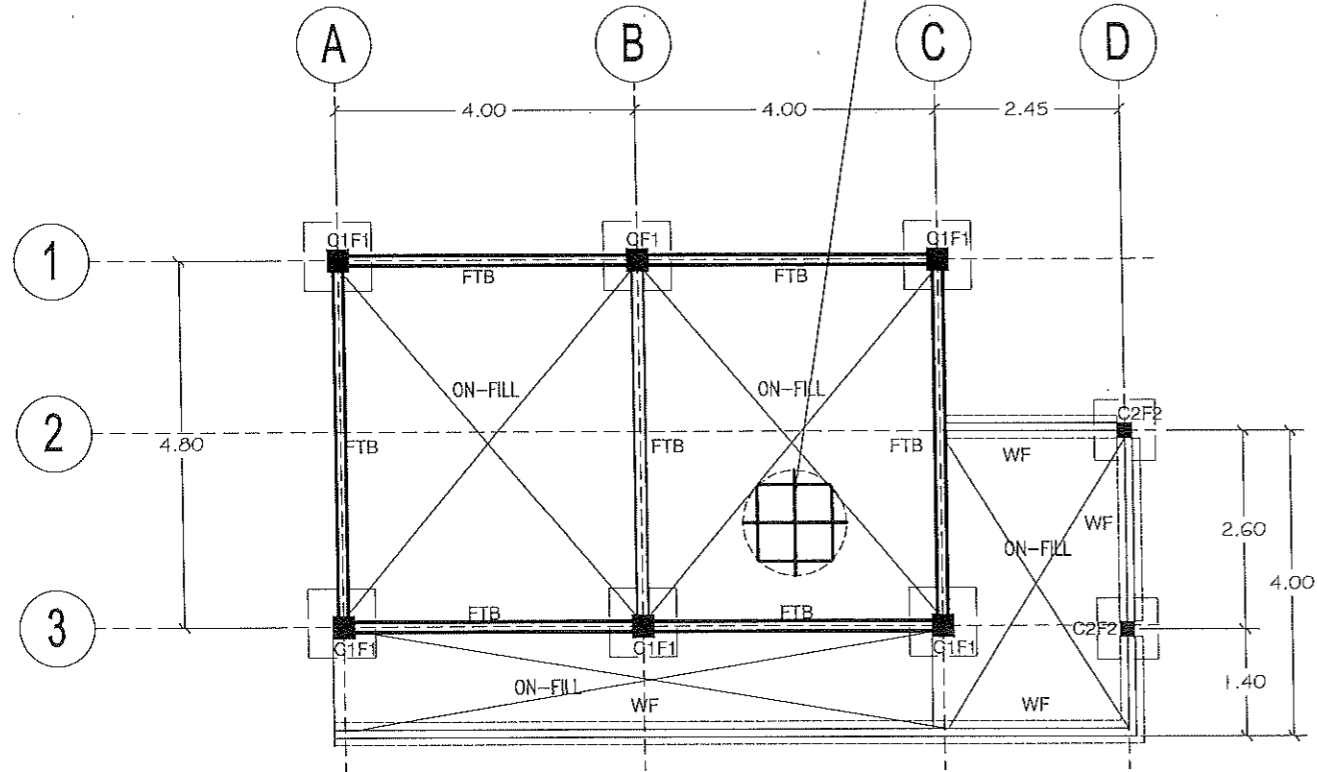


RAMP LEFT ELEVATION
 SCALE 1:50

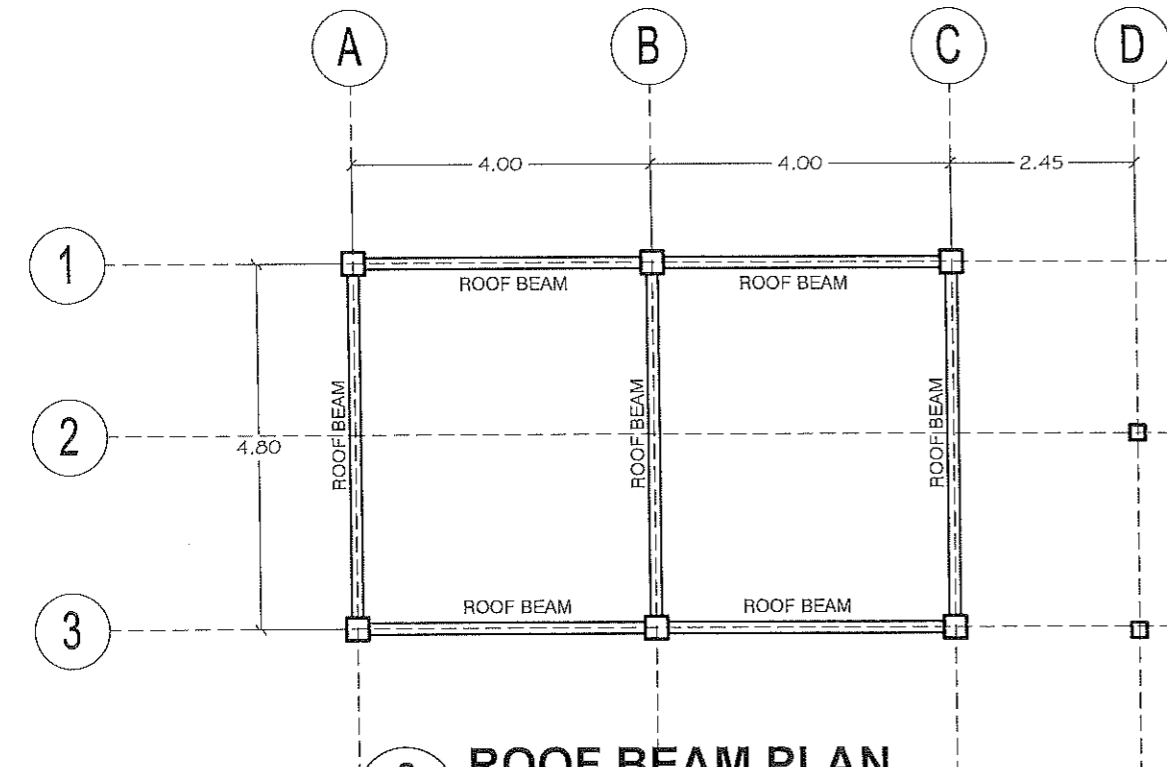
2 RAMP DETAILS
 A6 SCALE 1:50 M.

 <p>REPUBLIC OF THE PHILIPPINES PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR</p>	PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY:  ADNAN SHAMIR L. PIÑOL ARCHITECT II	REVIEWED BY:  JOSEPH R. GONZALES ENGINEER - IN PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL:  LEONERL MARCH P. SUARÍO PROVINCIAL ENGINEER	APPROVED BY:  YVONNE ROMA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: A-6 6 12
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					

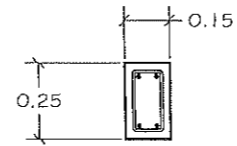
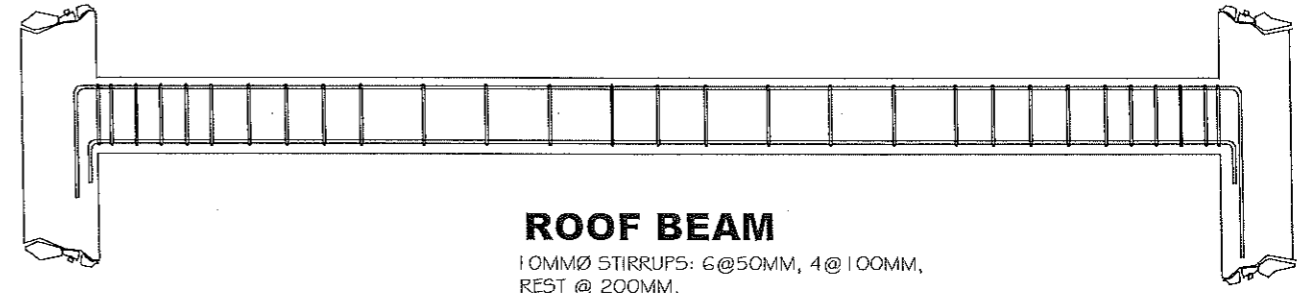
75mm THK. CONC. SLAB (CLASS A) W/ 10mm Ø TEMP. BARS @ 0.80m O.C. BW ON FILL ON 100mm THK. GRAVEL BASE COMPACTED 95% w/ SELECTED FILLING MATERIALS



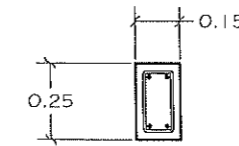
1 FOUNDATION PLAN
S1 SCALE 1:100 M.



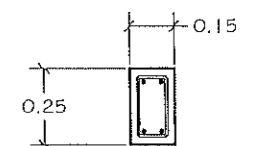
2 ROOF BEAM PLAN
S1 SCALE 1:100 M.



AT LEFT WING
2- 12mm Ø TEMP. HORIZONTAL TOP BAR
2- 12mm Ø TEMP. HORIZONTAL BOT BAR

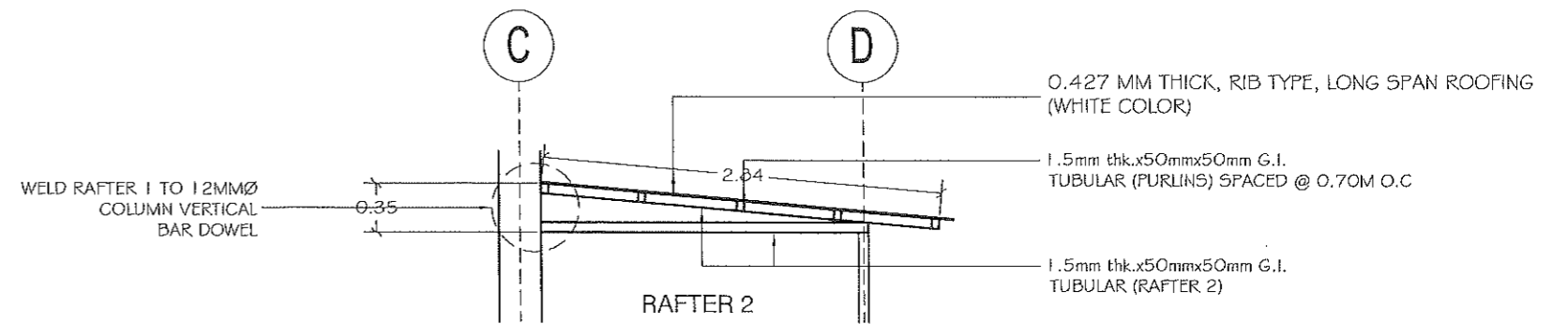
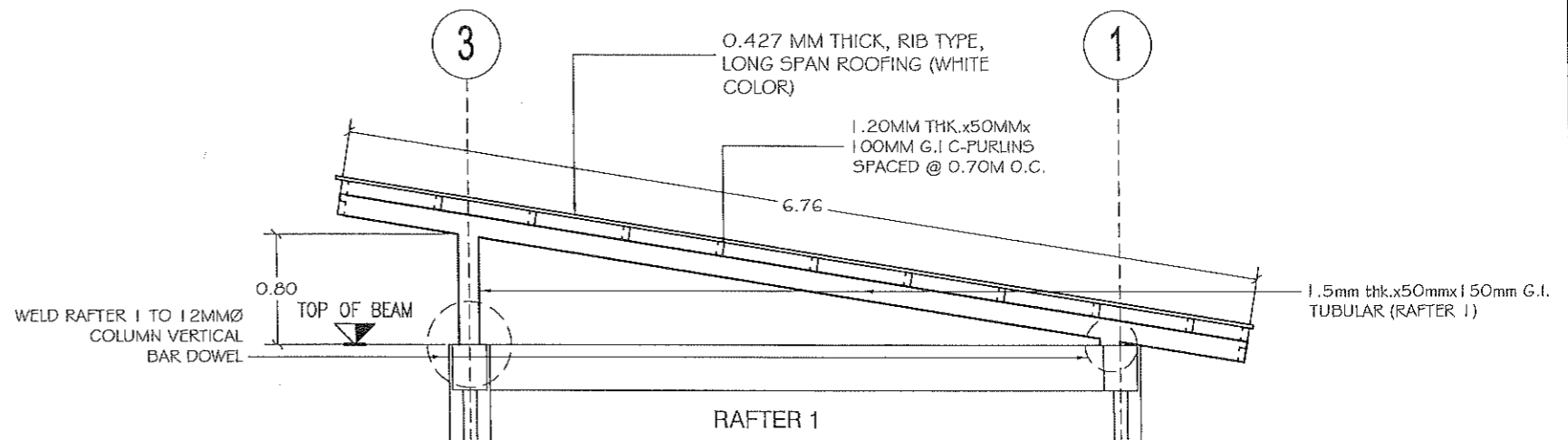


AT MIDSPAN
2- 12mm Ø TEMP. HORIZONTAL TOP BAR
2- 12mm Ø TEMP. HORIZONTAL BOT BAR



AT RIGHT WING
2- 12mm Ø TEMP. HORIZONTAL TOP BAR
2- 12mm Ø TEMP. HORIZONTAL BOT BAR

3 ROOF BEAM DETAILS
S1 SCALE 1:25 M.



4 RAFTER DETAILS
S1 SCALE 1:50 M.



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PREPARED BY:

ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:

JOSEPH R. GONZALES
ENGINEER III
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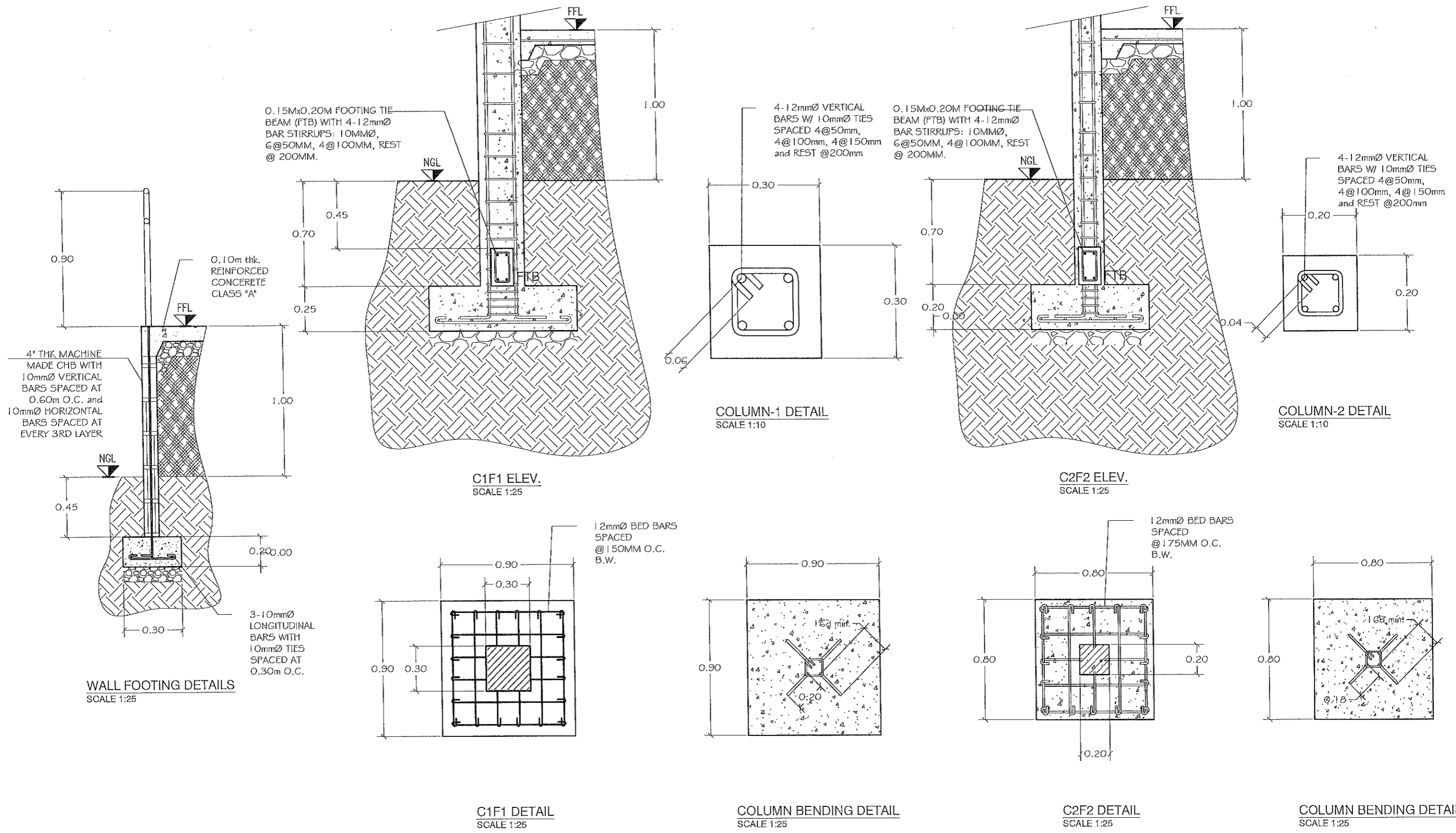
RECOMMENDING APPROVAL:

LEONER MARCH P. SUARION
PROVINCIAL ENGINEER

APPROVED BY:

YVONNE ROMO CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
S-1
7 12



1 COLUMN & FOOTING DETAILS
 S2 SCALE AS SHOWN



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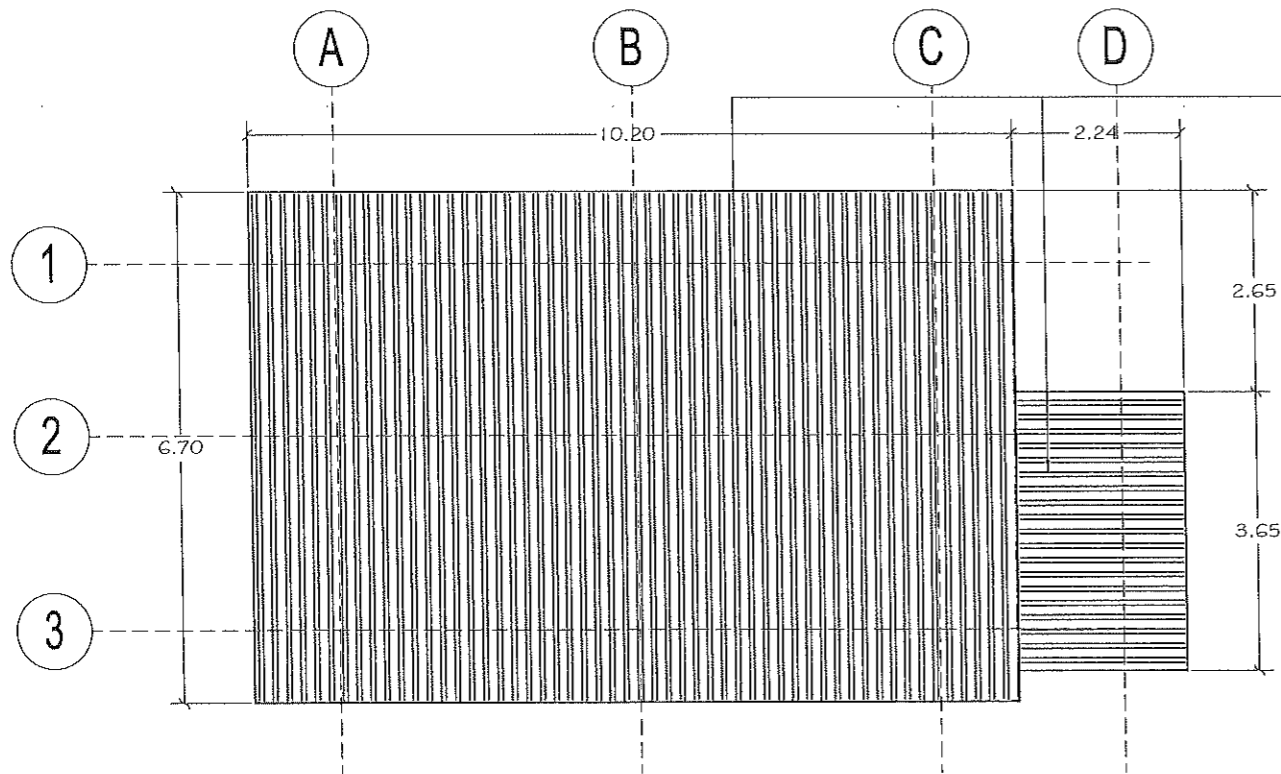
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LEONERL MARCH P. SUARION
 PROVINCIAL ENGINEER

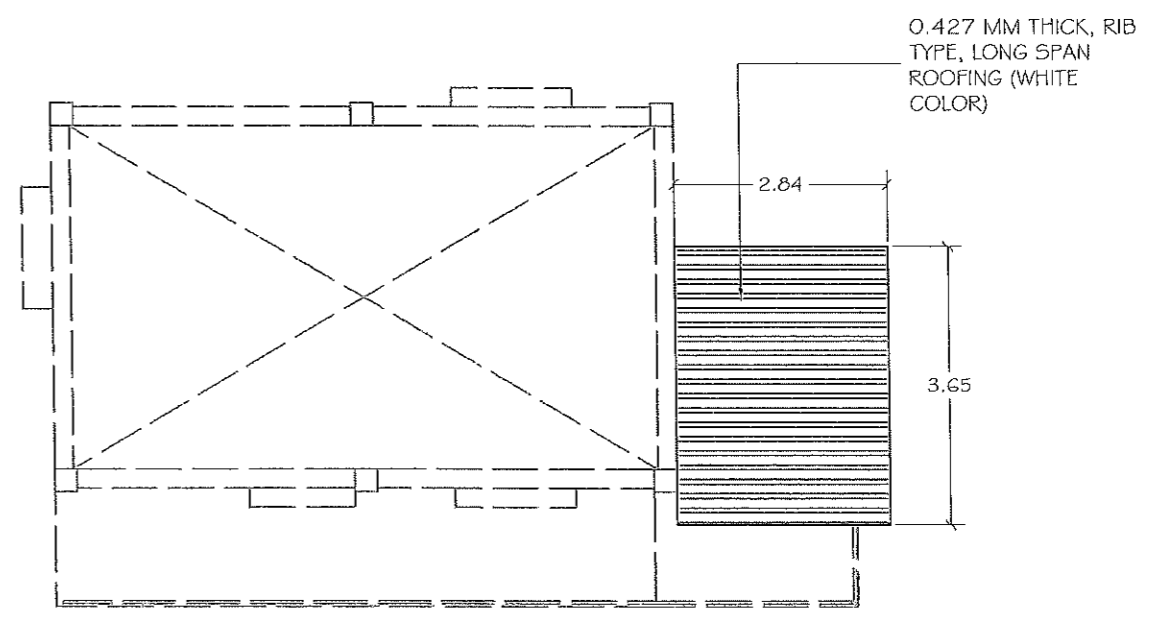
APPROVED BY:

YVONNE ROMO CAGAS
 PROVINCIAL GOVERNOR

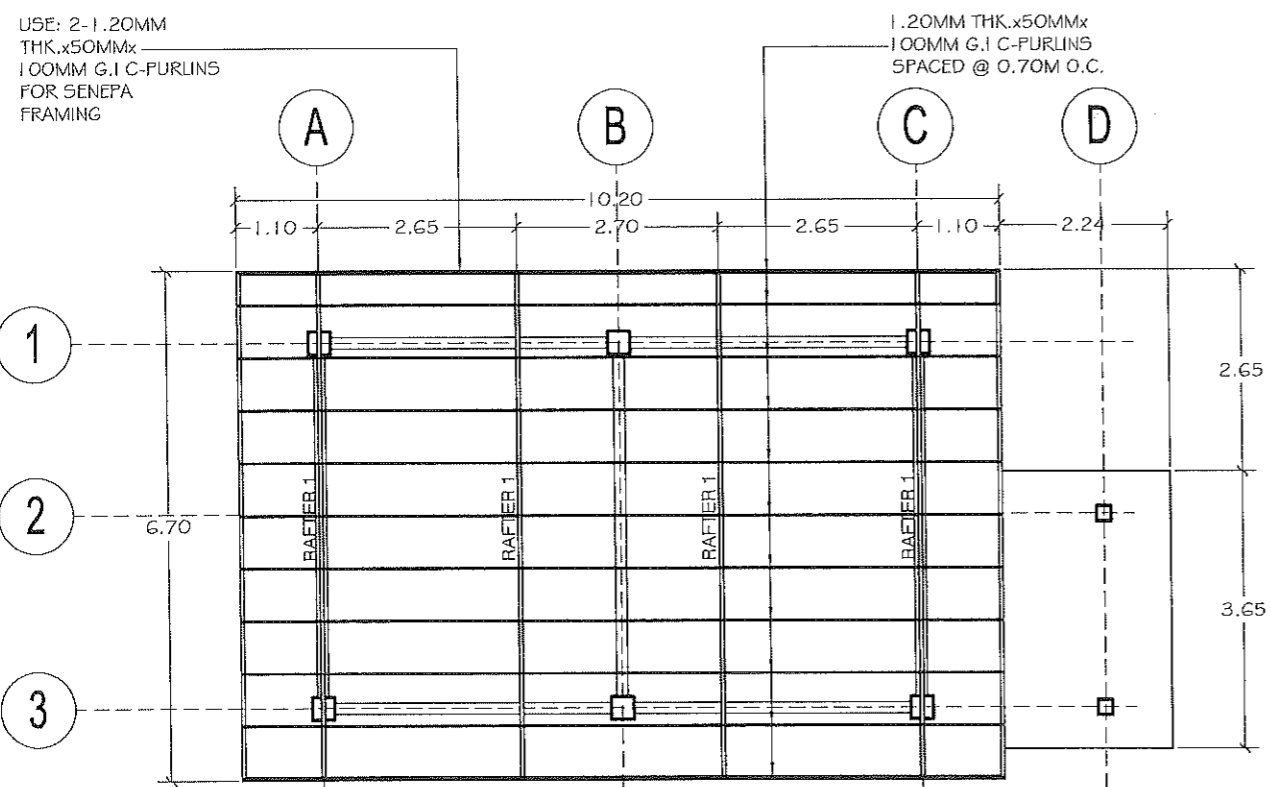
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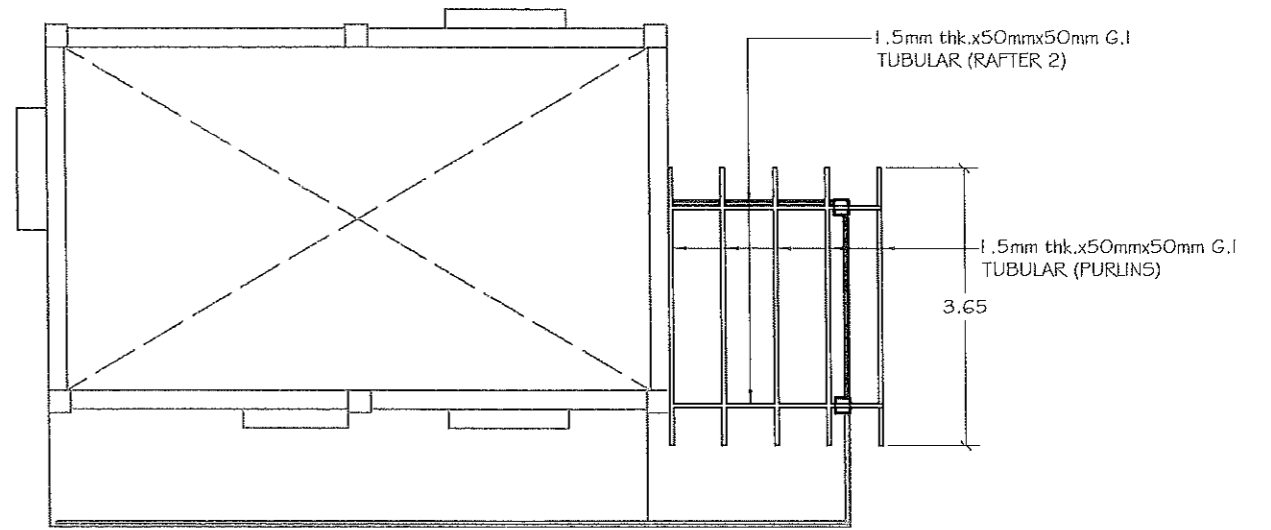
1 ROOF-1 LAYOUT
S3 SCALE 1:100 M.



2 ROOF-2 LAYOUT
S3 SCALE 1:100 M.



3 ROOF-1 FRAMING LAYOUT
S3 SCALE 1:100 M.



4 ROOF-2 FRAMING LAYOUT
S3 SCALE 1:100 M.



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)
LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

PREPARED BY:
ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

RECOMMENDING APPROVAL:
LEONER L. MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE ROSA CAGAS
PROVINCIAL GOVERNOR

SHEET NO.
S3
9 12

GENERAL NOTES AND SPECIFICATIONS:

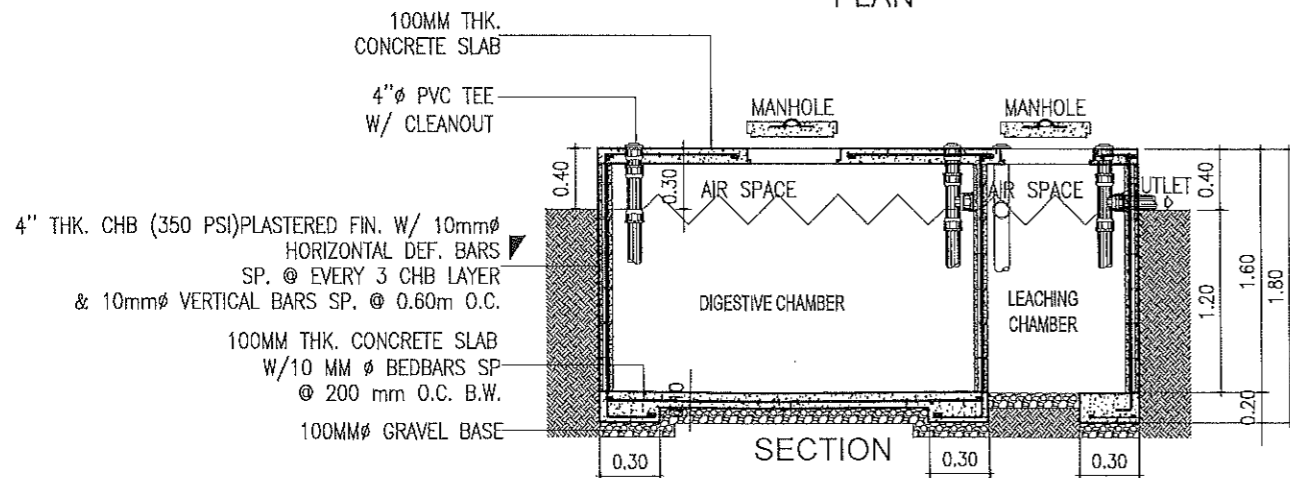
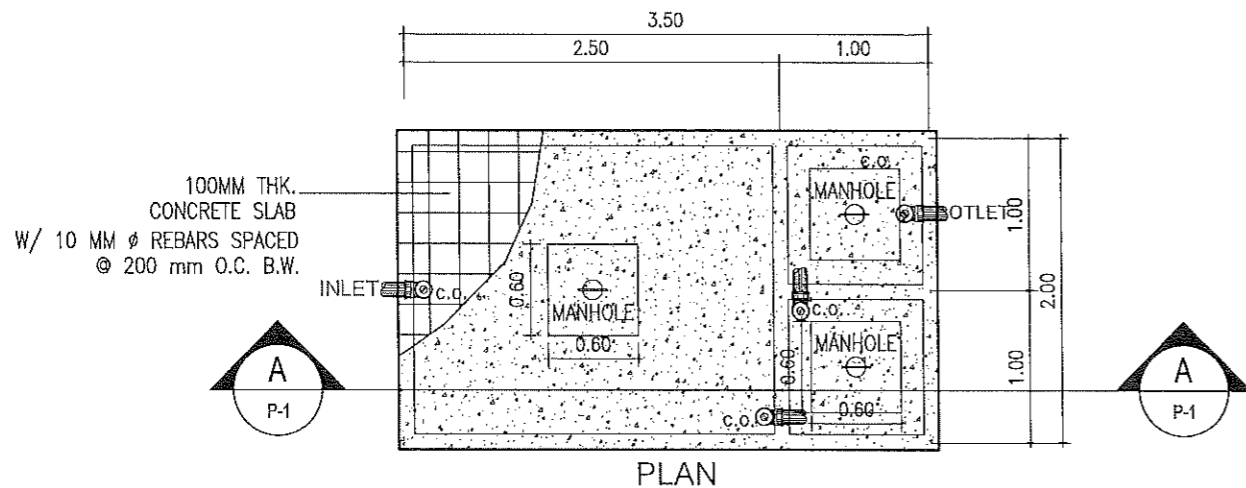
1. ALL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARD OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES.
2. ALL INSTALLATIONS HEREIN SHALL BE DONE UNDER THE IMMEDIATE SUPERVISION OF THE SANITARY ENGINEER / MASTER PLUMBER OR HIS DULY AUTHORIZED REPRESENTATIVE.
3. ALL SANITARY MAIN PIPES, STACK PIPES AND SOIL PIPES SHALL BE 4"Ø PVC PIPE SERIES 1000.
4. ALL LAVATORY PIPES, SINK PIPES, VENTILATION PIPES AND URINAL PIPES SHALL BE 2"Ø PVC PIPE SERIES 1000.
5. WATER CLOSETS SHALL BE WITH FLUSHING TANK AT 1.6 GPF AND OF GOOD QUALITY; PROVIDE COMPLETE HEAVY DUTY ACCESSORIES.
6. LAVATORIES SHALL BE OF GOOD QUALITY; PROVIDE COMPLETE HEAVY DUTY ACCESSORIES.
7. NECESSARY MATERIALS NOT SHOWN ON PLANS SHALL BE INSTALLED FOR THE COMPLETION OF THE PROJECT.

1 GENERAL NOTES & SPECIFICATIONS
P1 SCALE NOT TO SCALE

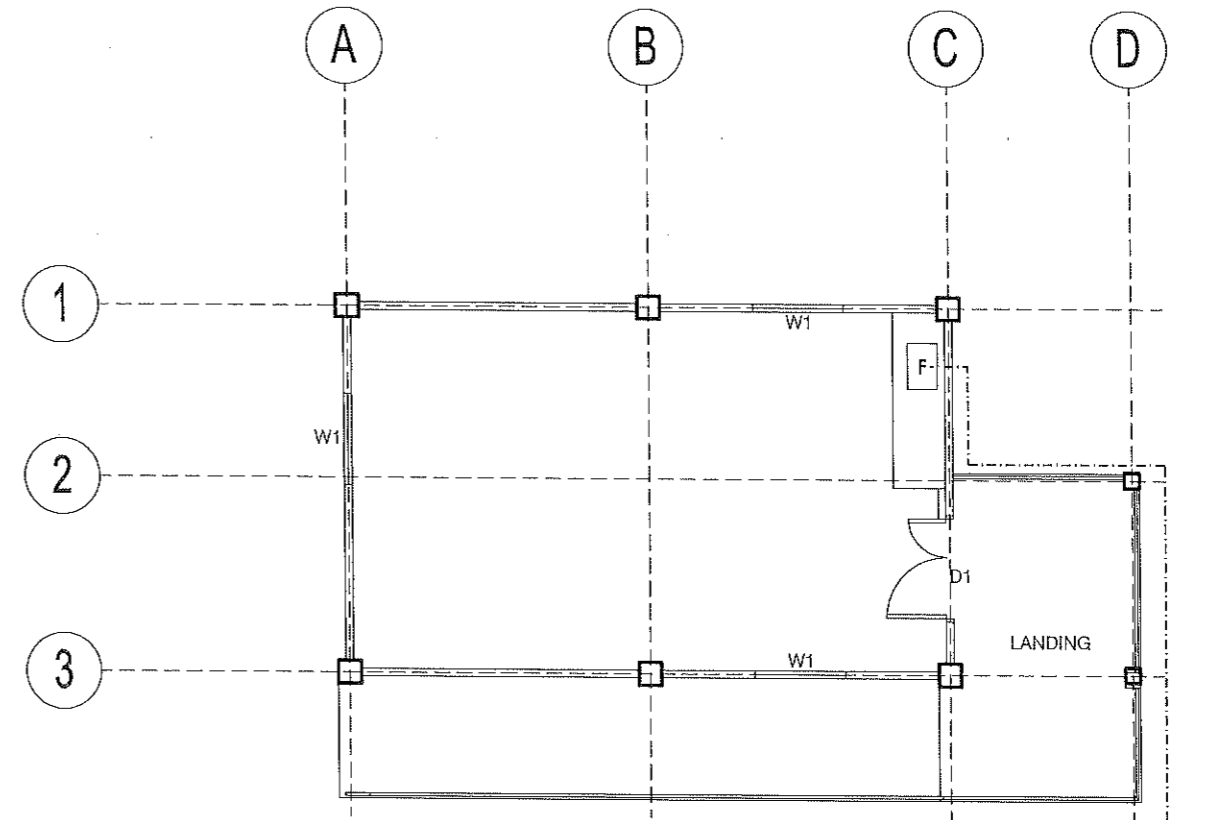
WC - WATER CLOSET (1.6 GPF WATER CLOSET, PUSH/LEVER FLUSH WATER TANK, W/ FITTINGS & ACCESSORIES)
 LAV - LAVATORY, (WALL MOUNTED, STAINLESS FAUCET, SINGLE HOLE, P-TRAP, W/ COMPLETE FITTINGS & ACCESSORIES)
 CO - PVC CLEAN OUT
 FAU - 1/2" Ø PLASTIC WALL FAUCET

FD - FLOOR DRAIN (4"X4" STAINLESS STEEL) FD VSTR
 VSTR - VENT STACK THRU ROOF
 GV - GATE VALVE
 CB - CATCH BASIN
 ———— SANITARY LINE, PVC PIPE, S-1000
 - - - - - WATERLINE, 1/2" Ø PE PIPE SDR 11.

2 LEGEND
P1 SCALE NOT TO SCALE

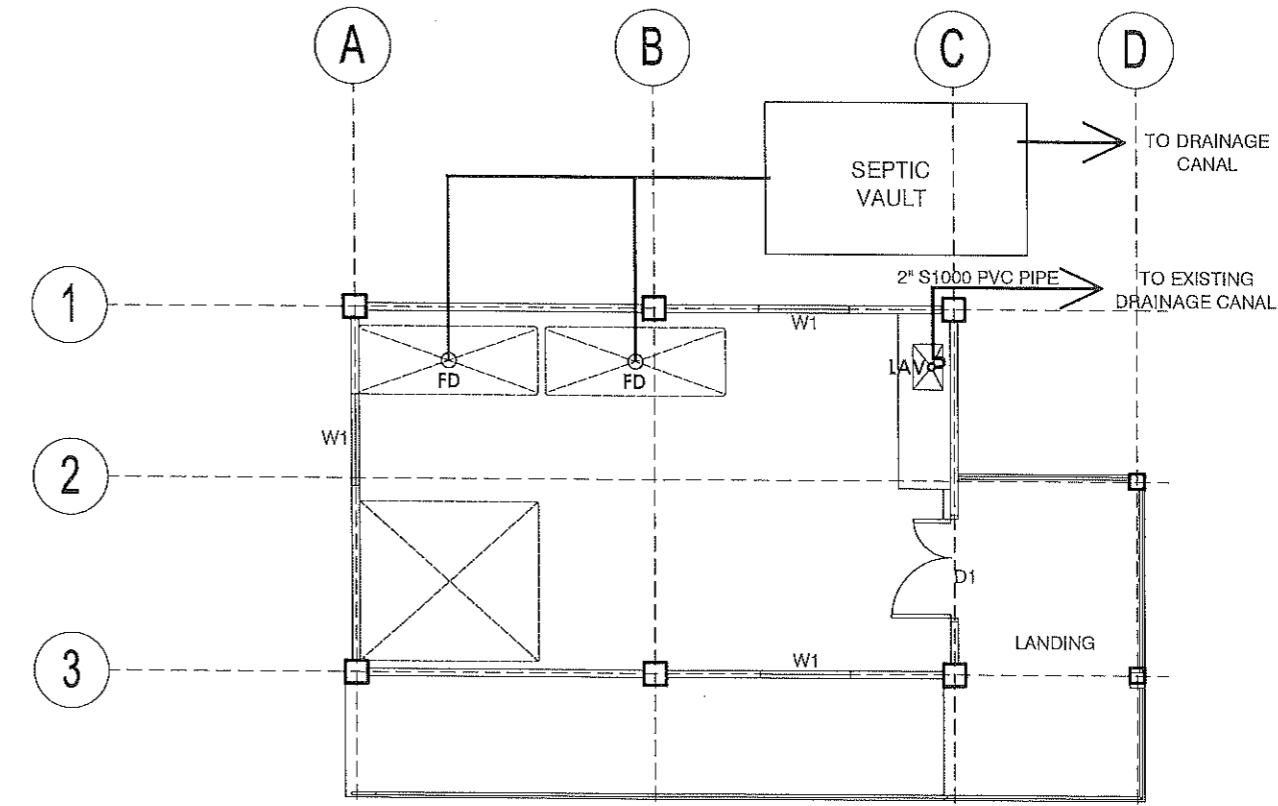


3 SEPTIC VAULT DETAILS
P1 SCALE 1:50M



4 WATERLINE LAYOUT
P1 SCALE 1:100M

CONNECT WATER SOURCE



5 SANITARY LINE LAYOUT
P1 SCALE 1:100M



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







RECOMMENDING APPROVAL:

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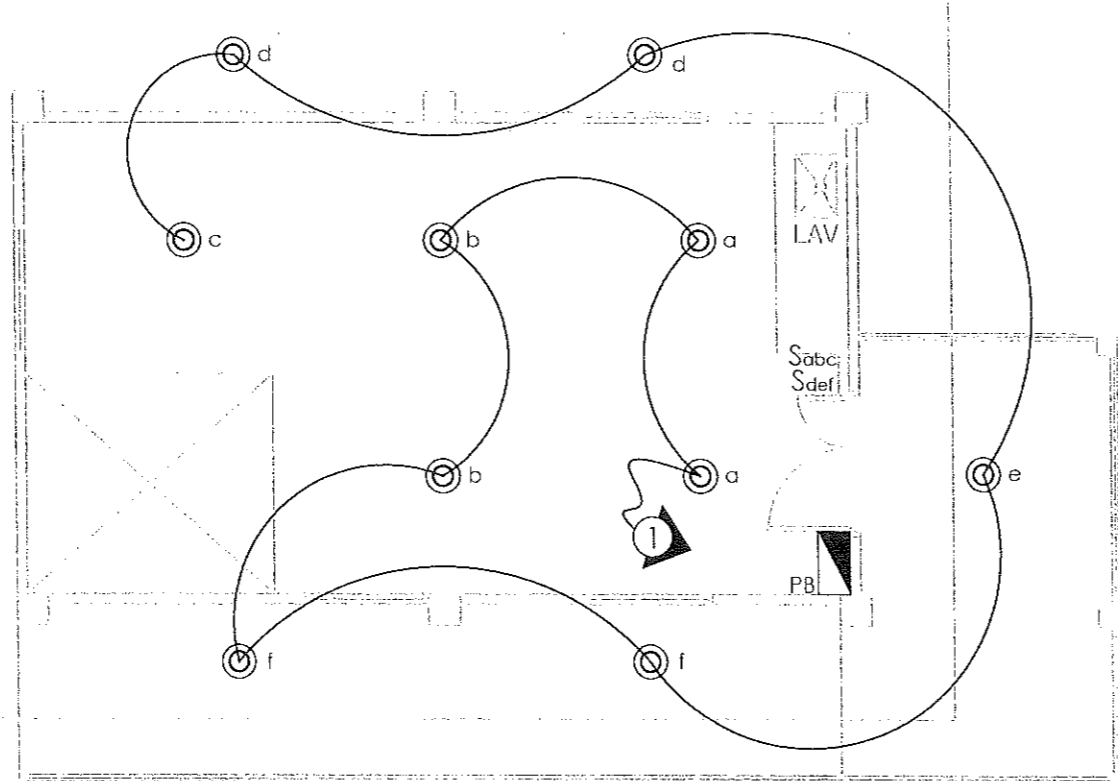
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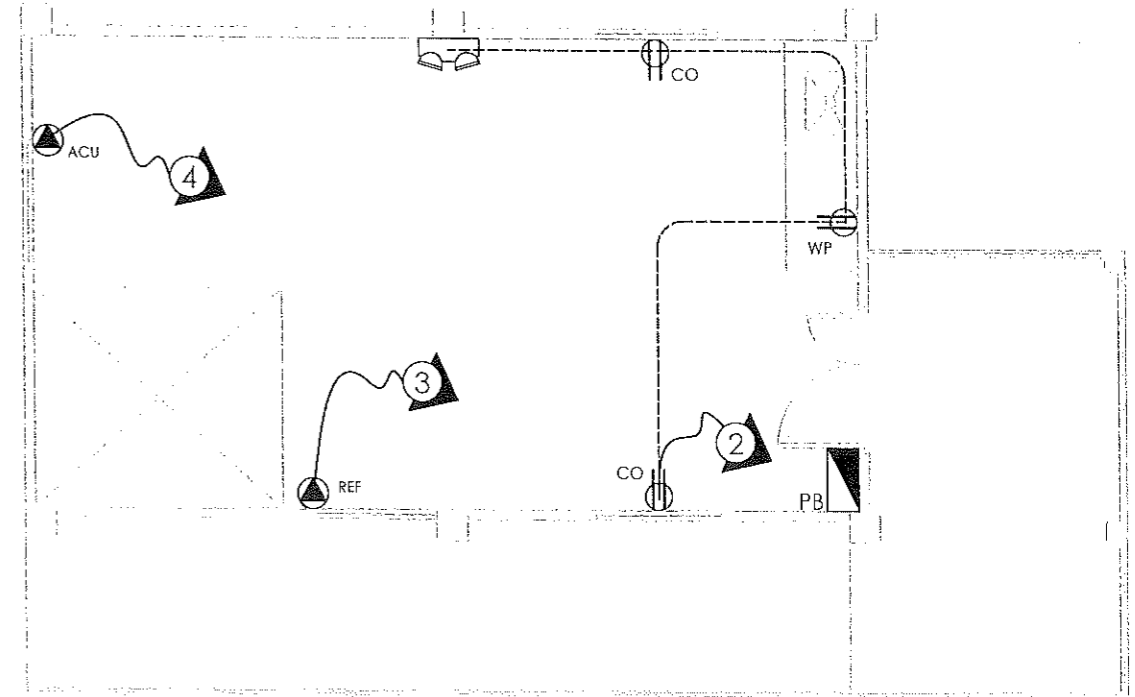
SHEET NO.:
P1
 10 | 12

-  Service Entrance Single Phase
-  Kilowatt-Hour Meter
-  Panelboard
-  Circuit Homerun
-  Recessed Pinlight Fixture w/ 12W LED Bulb, Daylight
-  2 x 3W Twinhead Emergency Light on One Gang Convenience Outlet W/ Plate, Flush Type
-  Two Gang Convenience Outlet w/ Plate, Flush Type, Universal Outlet
-  Two Gang Convenience Outlet w/ Plate and Weatherproof Cover, Flush Type, Universal Outlet
-  Aircondition Unit on ACU outlet w/ Plate, Flush Type
-  Mortuary Refrigerator Circuit
-  Three Gang Switch w/ Plate, Flush Type
-  Power Circuit Line
-  Lighting Circuit Line

1 LEGEND
E1 SCALE NTS



3 LIGHTING LAYOUT
E1 SCALE NTS



4 POWER LAYOUT
E1 SCALE NTS

All Electrical Installations herein shall be in accordance with the Latest Rules & Regulations of the Philippine Electrical Code and the Local Power Company.

All Electrical materials to be installed herein must be brand new and of approved type & quality.

Wirings passing through concrete masonry, ceilings, columns, beams, slabs must be concealed type using PVC Pipe or Flexible Pipe.

Whenever Necessary, Pull Box of Proper Sizes and Dimensions shall be provided. Although not indicated in the Plan.

Provide Circuit Directory to be located inside the Panelboard for Circuit Identification.

Mounting Heights above Finish Floor Line

Switches	1.37m	Center
Panelboard	1.83m	Center
Kilowatt-Hour Meter	1.83m	Center
Convenience Outlet	0.30m	Bottom

All Electrical works herein must be done only under the direct supervision of a duly registered Electrical Engineer or Master Electrician.

2 NOTES AND SPECIFICATION
E1 SCALE NTS

CIRCUIT NO.	DESCRIPTION	QUANTITY	VOLTAGE	VOLT-AMP	CURRENT (AMPERE)	CIRCUIT BREAKER	CONDUCTOR SIZE	CONDUIT SIZE
C1	LIGHTING OUTLET (PINLIGHTS)	10	230	1,000	4.35	20 A	2 - 3.5mm ² THHN Stranded Copper Wire	20mm Ø PVC
C2	CONVENIENCE OUTLET & EMERGENCY OUTLET	4	230	630	2.74	20 A	2 - 3.5mm ² THHN Stranded Copper Wire	20mm Ø PVC
C3	REFRIGERATOR CIRCUIT	1	230	2,000	8.70	30 A	2 - 5.5mm ² THHN Stranded Copper Wire	20mm Ø PVC
C4	AIRCONDITIONING UNIT, 2 HP SPLIT TYPE, INVERTER	1	230	2,760	12	30 A	2 - 5.5mm ² THHN Stranded Copper Wire	20mm Ø PVC
C5	SPARE		230	500		20 A		
C6	MAIN			6,890		40 A	2 - 8.0mm ² THW Stranded Copper Wire	25mm Ø RSC

5 SCHEDULE OF LOADS
E1 SCALE NTS

$$I_L = (\text{Total Load} \times 85\% \text{ Demand Factor}) + 25\% \text{ Highest Motor Load}$$

$$I_L = (29.96 \times 0.85) + (12 \times 0.25)$$

$$I_L = 28.47 \text{ A}$$

$$I_{CB} = I_L \times 125\%$$

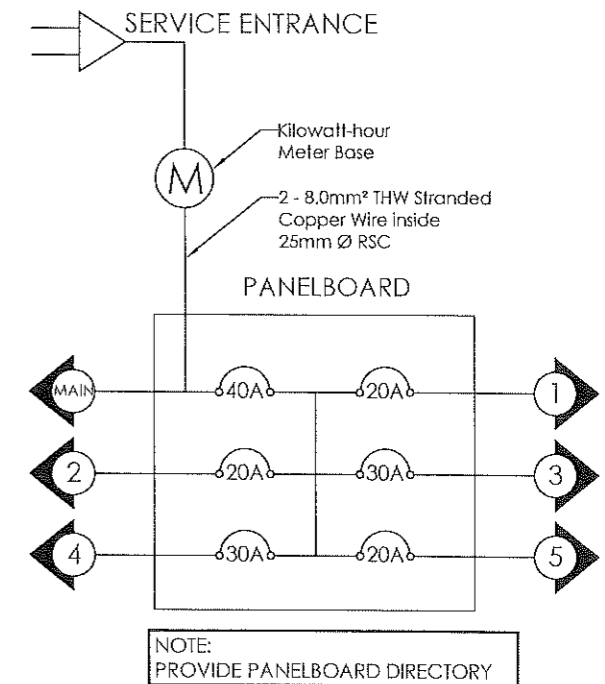
$$I_{CB} = 28.47 \times 125\%$$

$$I_{CB} = 35.59 \text{ A}$$

USE

2 - 8.0mm² THW Stranded Copper Wire inside 25mm Ø RSC

40 AT, 240V, 2P, 60 Hz
As Main Circuit Breaker



NOTE: PROVIDE PANELBOARD DIRECTORY

7 SINGLE LINE DIAGRAM
E1 SCALE NTS


ITEM NO.	DESCRIPTION	%	QTY.	UNIT
PART C EARTHWORK				
800(2)	Clearing and Grubbing	0.16	1.00	l.s.
803(1)a	Structure Excavation, (Common Soil)	0.36	7.95	cu.m.
804(7)	Gravel Fill	1.68	8.02	cu.m.
TOTAL OF PART C		2.20		
PART D REINFORCED CONCRETE				
900(1)c	Structural Concrete, Class A,3000 psi, 28 Days	9.92	11.76	cu.m.
902(1)a1	Reinforcing Steel (Deformed) Grade 40	6.78	839.03	kgs.
903(2)	Formworks and Falseworks	8.46	1.00	l.s.
TOTAL OF PART D		25.16		
PART E FINISHINGS AND OTHER CIVIL WORKS				
1001(11)	Septic Vault	3.89	1.00	l.s.
1002(4)	Plumbing Fixtures	1.15	1.00	L.S.
1002(24)	Cold Water Lines	0.27	1.00	L.S.
1002(27)	Plumbing Works	0.41	1.00	L.S.
1003(1)b1	4.5mm Fiber Cement Board on Metal Frame Ceiling	7.39	68.34	sq.m.
1003(2)f	Wall, Metal Cladding	0.99	7.86	sq.m.
1003 (17)	Carpentry & Joinery Works	2.33	1.00	l.s.
1008(1)a	Aluminum Glass Window (Sliding Type)	1.64	4.32	sq.m.
1010(1)	Frames (Jambs, Sills, Head Transoms and Mullions)	0.46	6.00	set
1010(2)b	Doors (Wood Panel)	1.58	2.73	sq.m.
1013 (2) a1	Fabricated Metal Roofing Accessory (Gauge 26 (0.551 mm), Ridge Roll)	0.82	10.30	sq.m.
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	6.33	80.77	sq.m.
1018 (5)	Glazed Tiles	5.35	38.40	sq.m.
1027(1)	Cement Plaster Finish	5.15	200.00	sq.m.
1032(1)a	Painting Works, Masonry/Concrete	9.01	268.34	sq.m.
1032(1)b	Painting Works, Wood	0.86	16.98	sq.m.
1032(1)c	Painting Works, Metal	0.27	6.48	sq.m.
1038(1)	Reflective Insulation	0.95	68.34	sq.m.
1046(2)a1	CHB Non-Load Bearing(Including reinforcing Steel),100mm	8.94	109.49	sq.m.
1047 (1)	Structural Steel	8.59	1.00	l.s.
TOTAL OF PART E		66.38		
PART F ELECTRICAL				
1100 (10)	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-In)	1.29	1.00	l.s.
1101(33)	Wires and Wiring Devices	2.72	1.00	l.s.
1102 (1)	Panelboard with Main & Branch Breakers	0.82	1.00	l.s.
1103 (1)	Lighting Fixtures	1.43	1.00	l.s.
TOTAL OF PART F		6.26		
GRAND TOTAL		100.00		

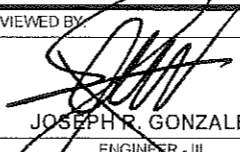
1 SUMMARY OF QUANTITIES
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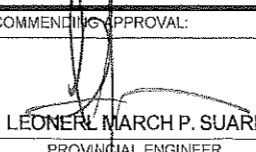


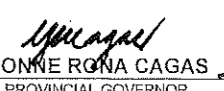
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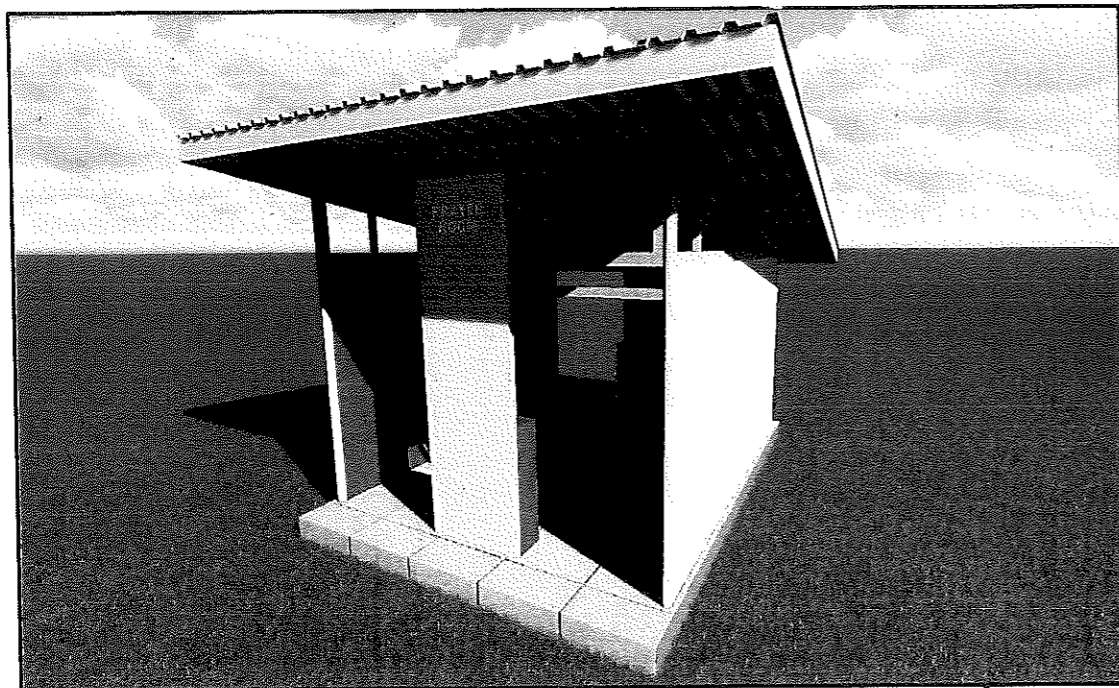
APPROVED BY:

YVONNE RONA CAGAS
PROVINCIAL GOVERNOR

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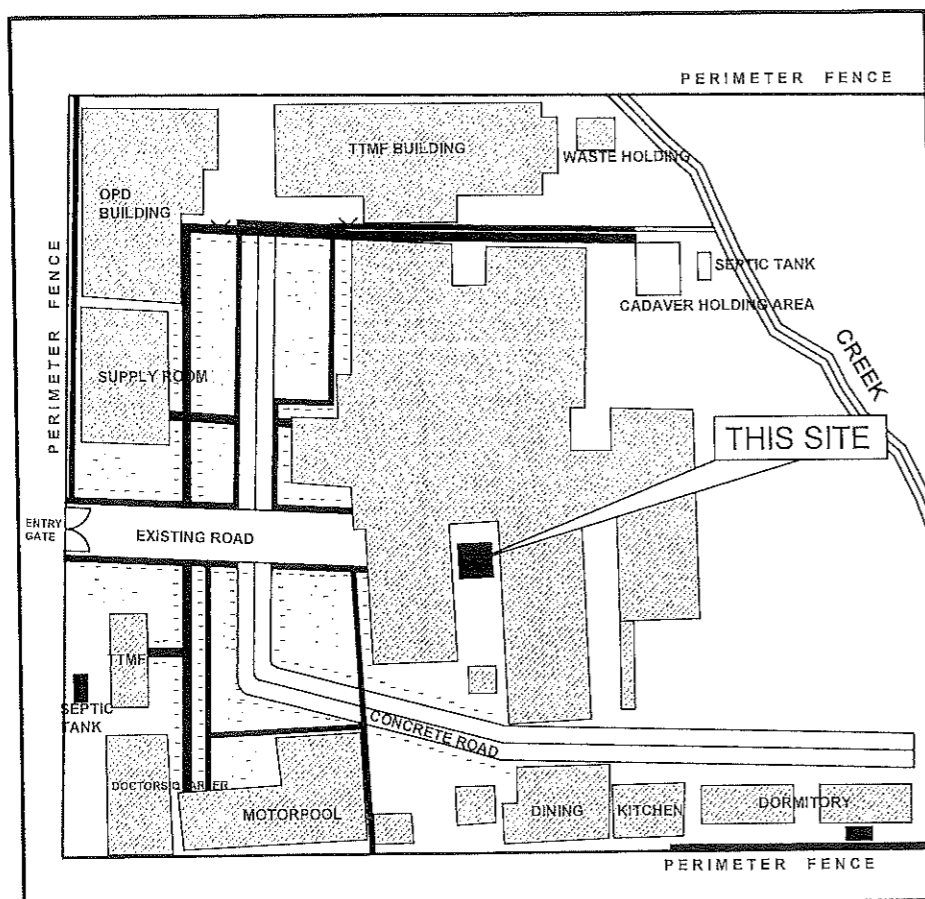
5. PRAYER ROOM

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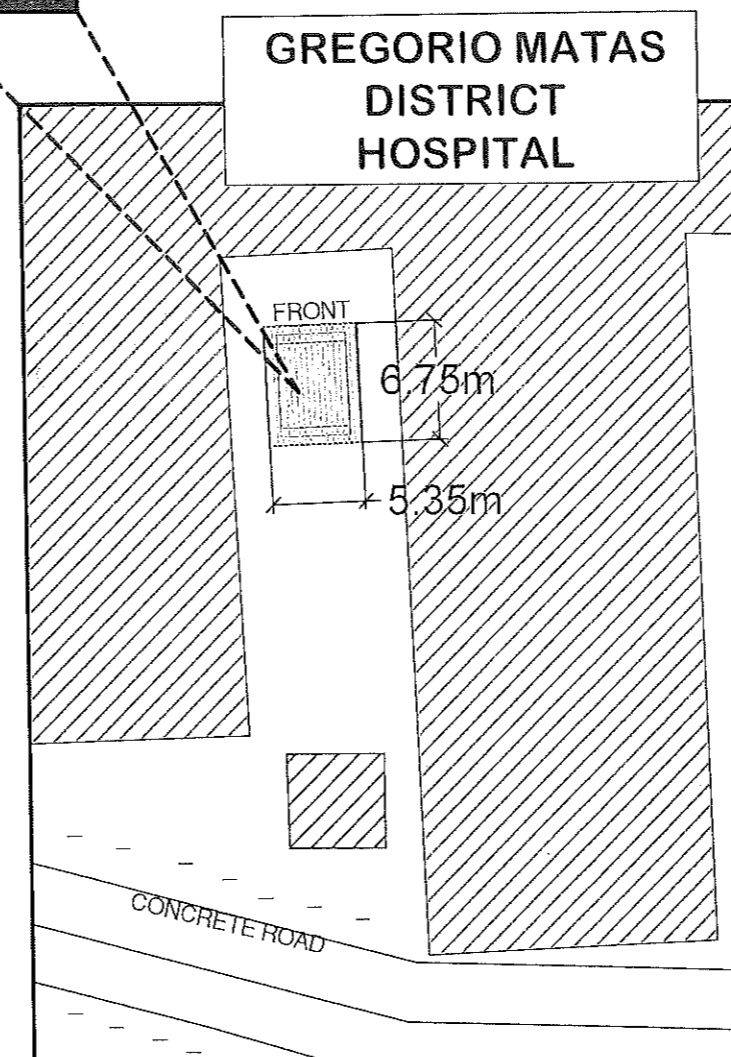
A.0	ARCHITECTURAL
A-1	PERSPECTIVE ✓ VICINITY MAP ✓ SITE DEVELOPMENT PLAN ✓
A-2	PROPOSED FLOOR PLAN ✓ REAR ELEVATION ✓ FRONT ELEVATION ✓
A-3	RIGHT SIDE ELEVATION ✓ LEFT SIDE ELEVATION ✓ SECTION A ✓ SECTION B ✓
A-4	ROOF PLAN ✓ ROOF FRAMING PLAN ✓
S.0	STRUCTURAL
S-1	GENERAL CONSTRUCTION NOTES
S-2	GENERAL CONSTRUCTION NOTES
S-3	FOUNDATION PLAN ✓ FC DETAIL ✓
S-2	ISOMETRIC VIEW ✓ TRUSS DETAIL ✓ FACIA FRAME DETAIL ✓ DETAIL CONNECTION OF ROOFING TO PURLIN ✓ CONNECTION OF ROOFING TO PURLINS ✓
S-4	TABLE ISOMETRIC VIEW ✓ TABLE DETAIL ✓ ACRYLIC SIGNAGES ✓
O.0	OTHERS
O-1	SUMMARY OF QUANTITIES



1 PERSPECTIVE
A-1 DNTS



2 VICINITY MAP
A-1 DNTS



3 SITE DEVELOPMENT PLAN
A-1 DNTS



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COS EMPLOYEE

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PROVINCIAL ENGINEER

APPROVED BY:
[Signature]
YVONNE RONA CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-1
1 10

SCOPE OF WORKS:

- CONSTRUCTION OF PRAYER ROOM
- INSTALLATION OF ACRYLIC SIGNAGES
- PAINTING WORKS (ALL METAL AND WOOD SURFACES)

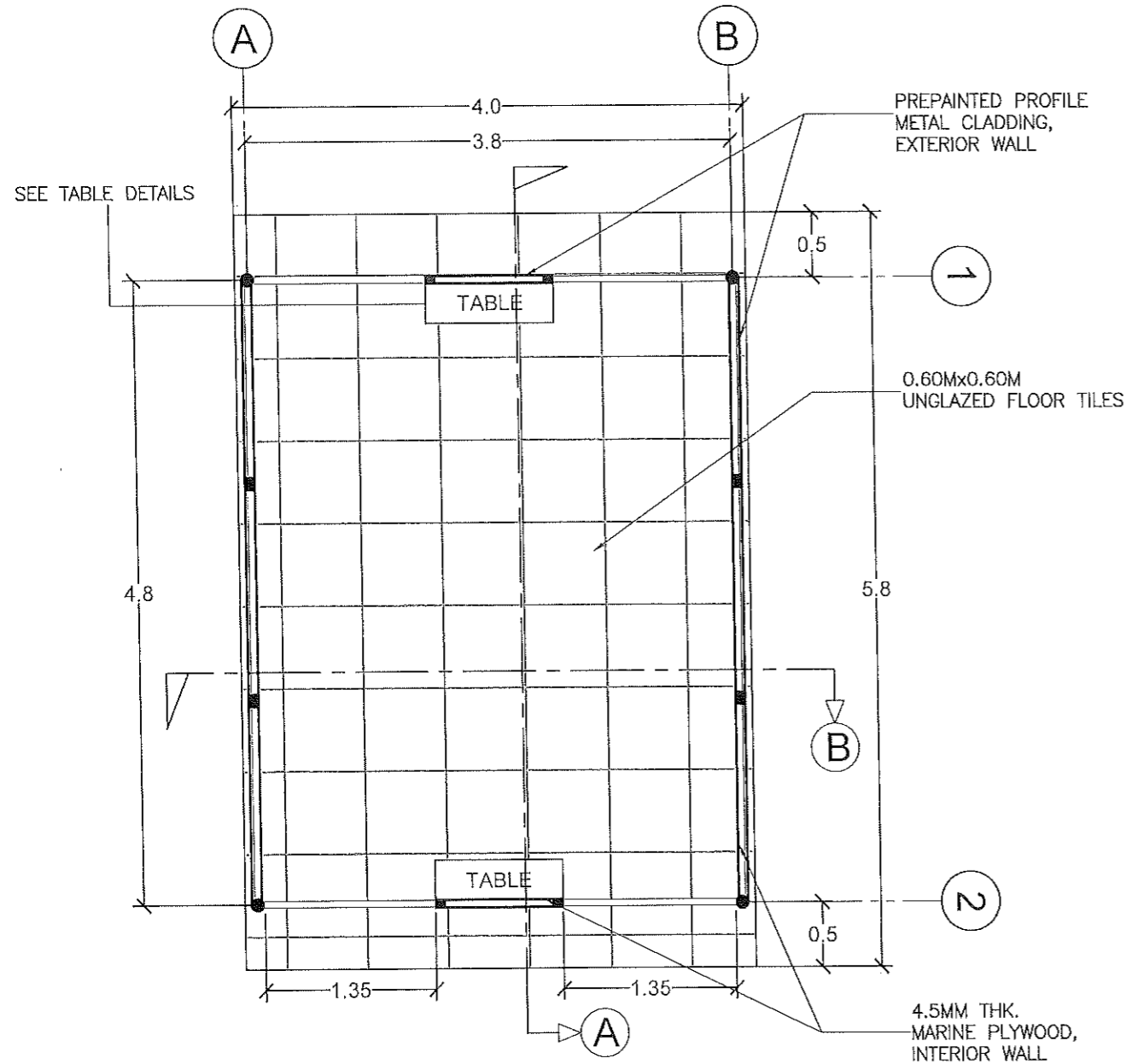
NOTES (THE GREEN BUILDING CODE):

- CONTRACTORS MUST PROVIDE GARBAGE BINS DURING THE CONSTRUCTION STAGE.
- USE PAINT W/ HIGH SOLAR REFLECTANCE INDEX (SRI) & ECO-FRIENDLY.

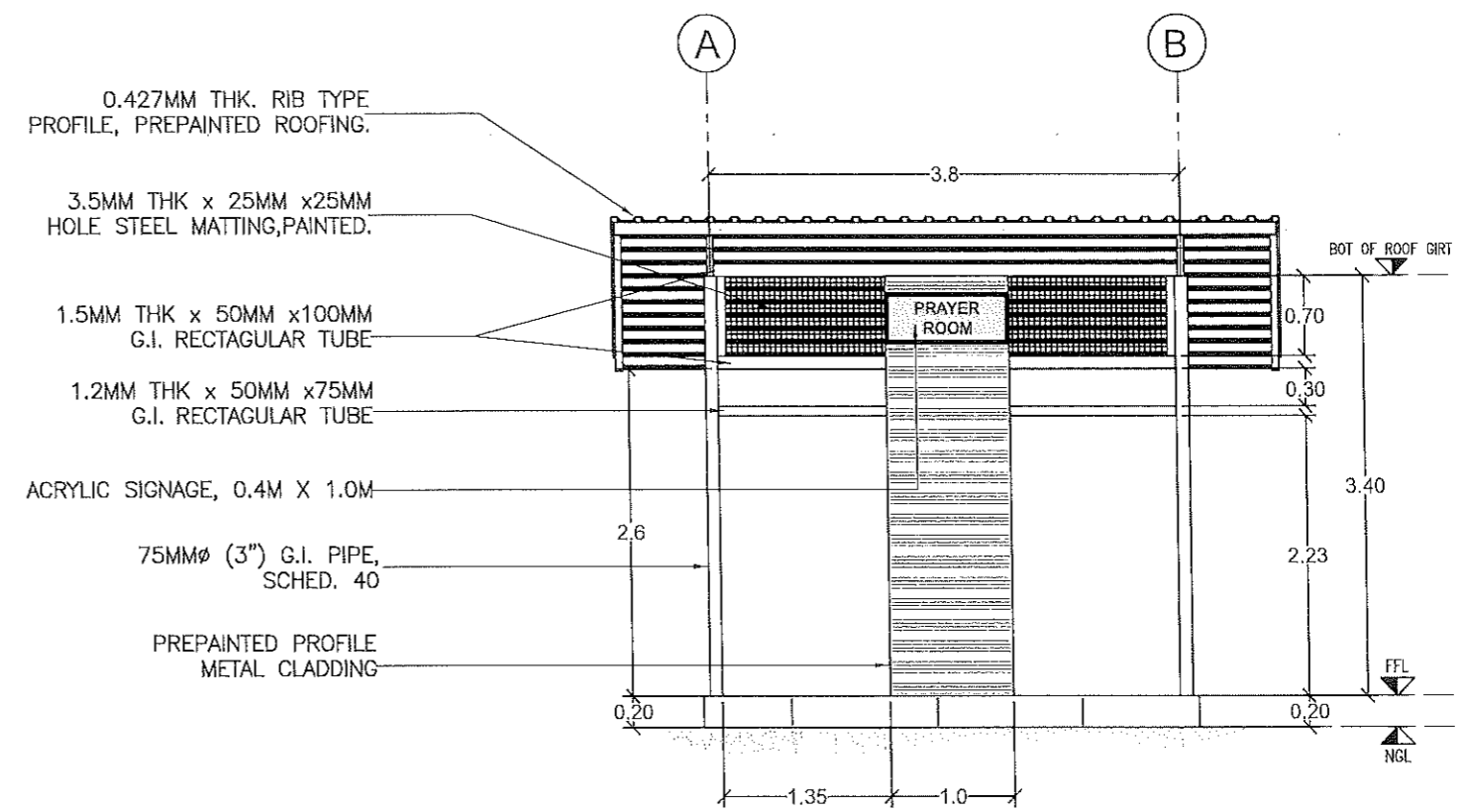
NOTE:

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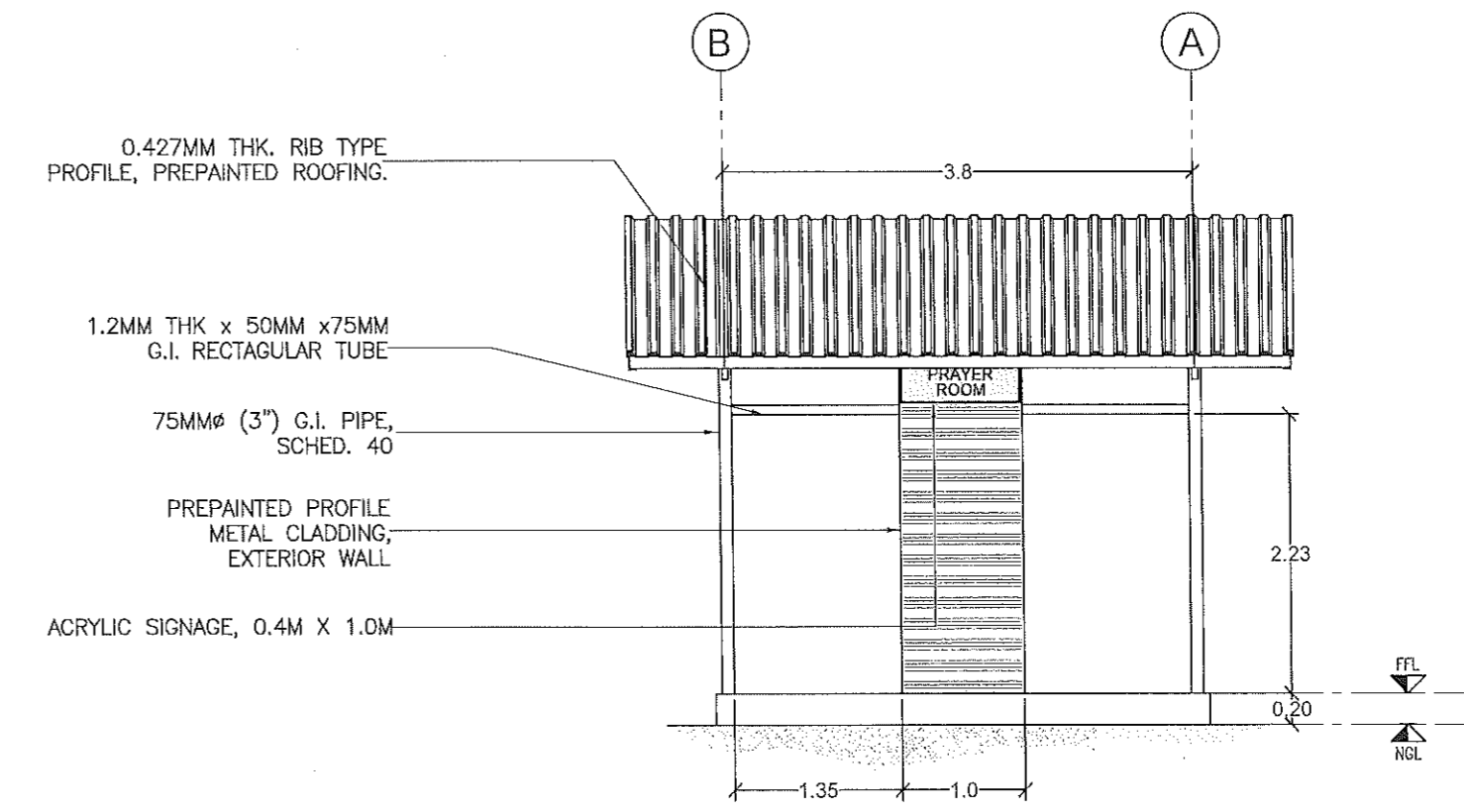
FINISHING ALL EXPOSED METAL AND WOOD SURFACES WITH PAINT



1 PROPOSED FLOOR PLAN
A-2 SCALE 1:50 M.



3 FRONT ELEVATION
A-2 SCALE 1:60 M.



2 REAR ELEVATION
A-2 SCALE 1:60 M.



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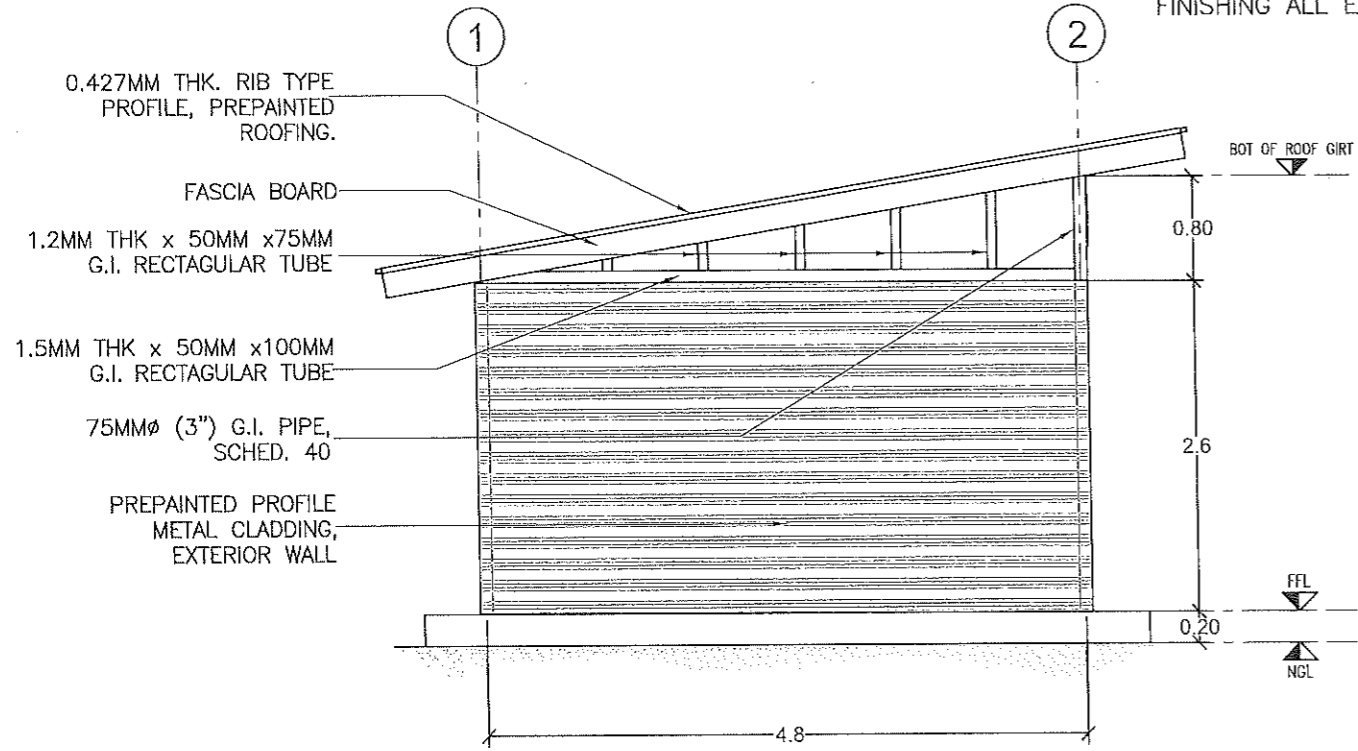
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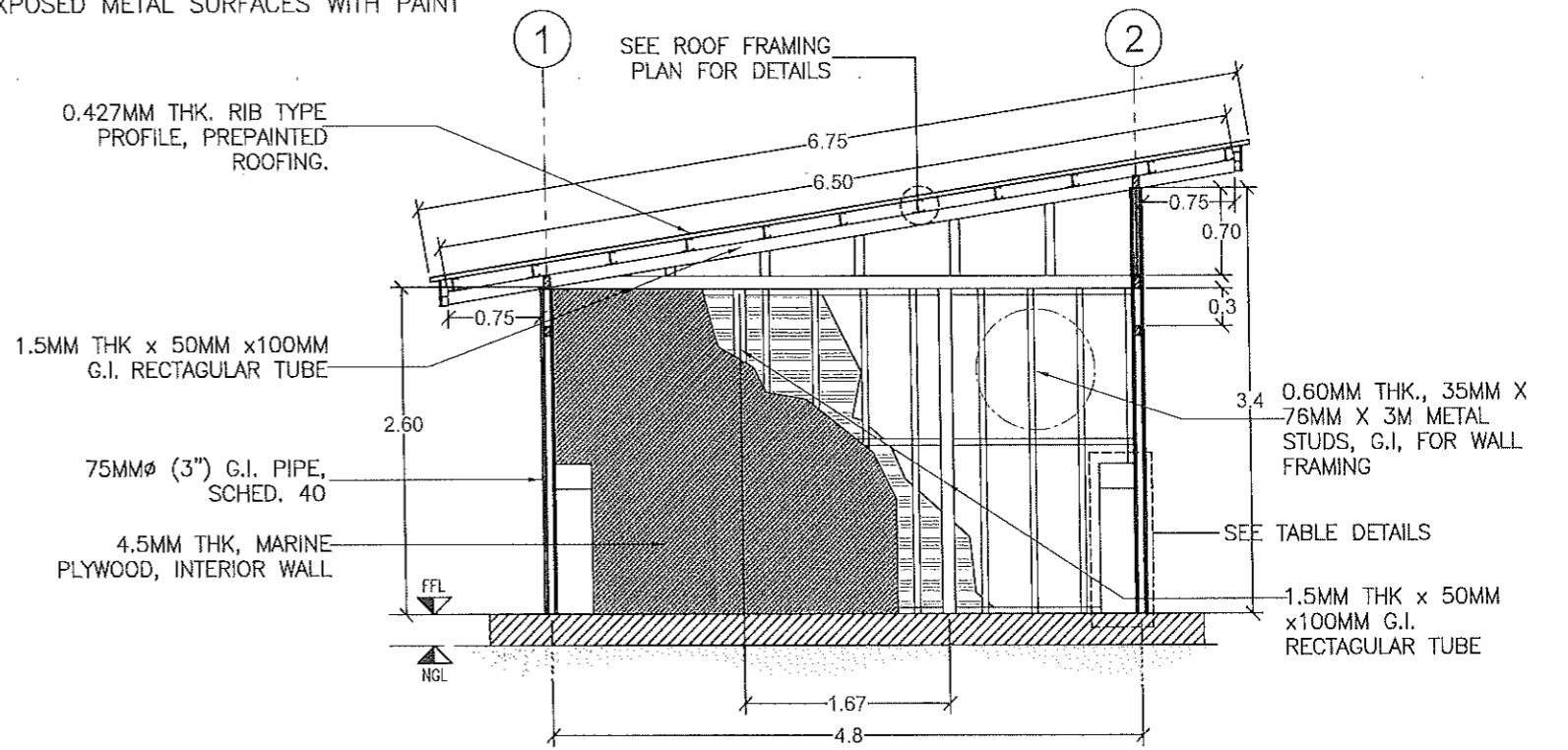
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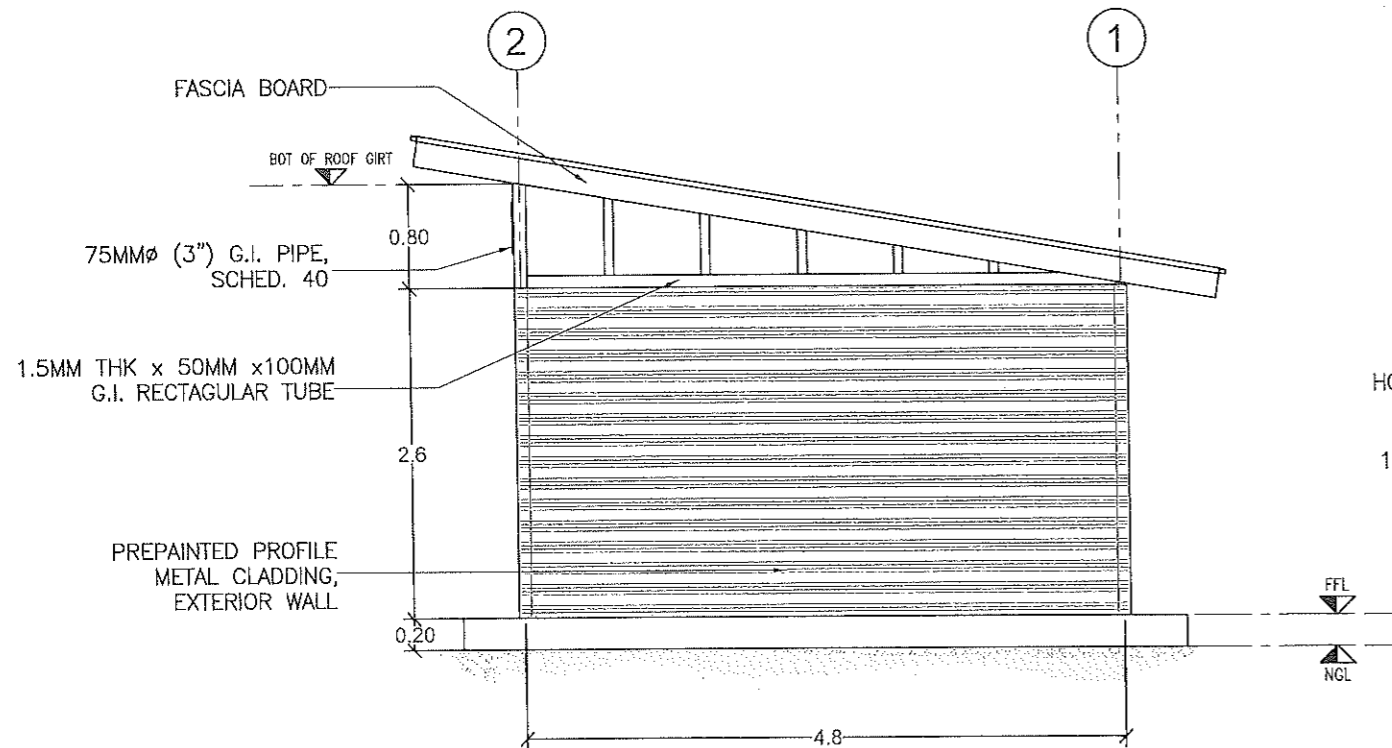
NOTE:
FINISHING ALL EXPOSED METAL SURFACES WITH PAINT



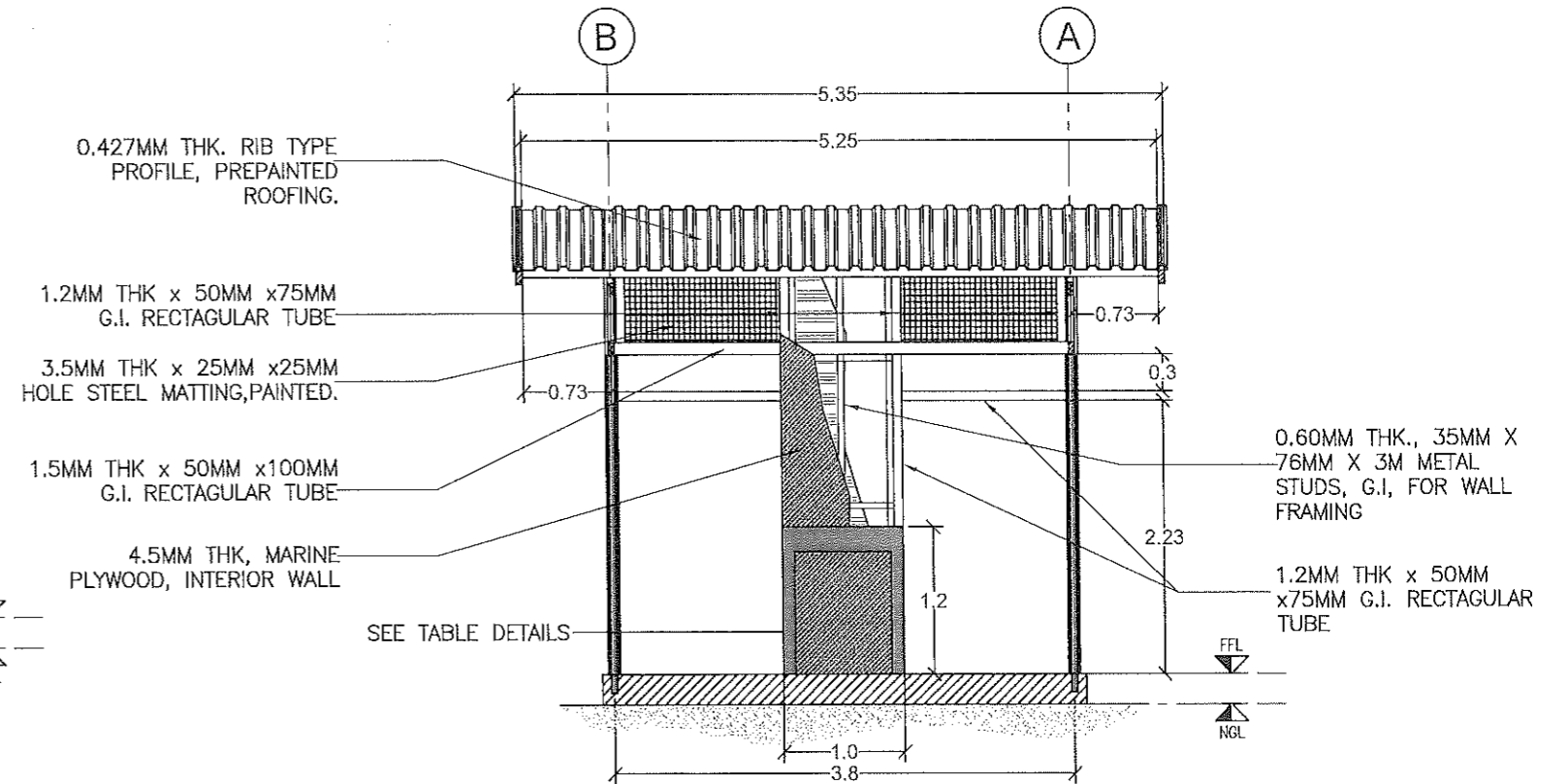
2 LEFT ELEVATION
A-3 SCALE 1:60 M.



3 SECTION A
A-3 SCALE 1:60 M.



1 RIGHT ELEVATION
A-3 SCALE 1:60 M.



4 SECTION B
A-3 SCALE 1:60 M.



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SHEET NO.:
A-3
3 10

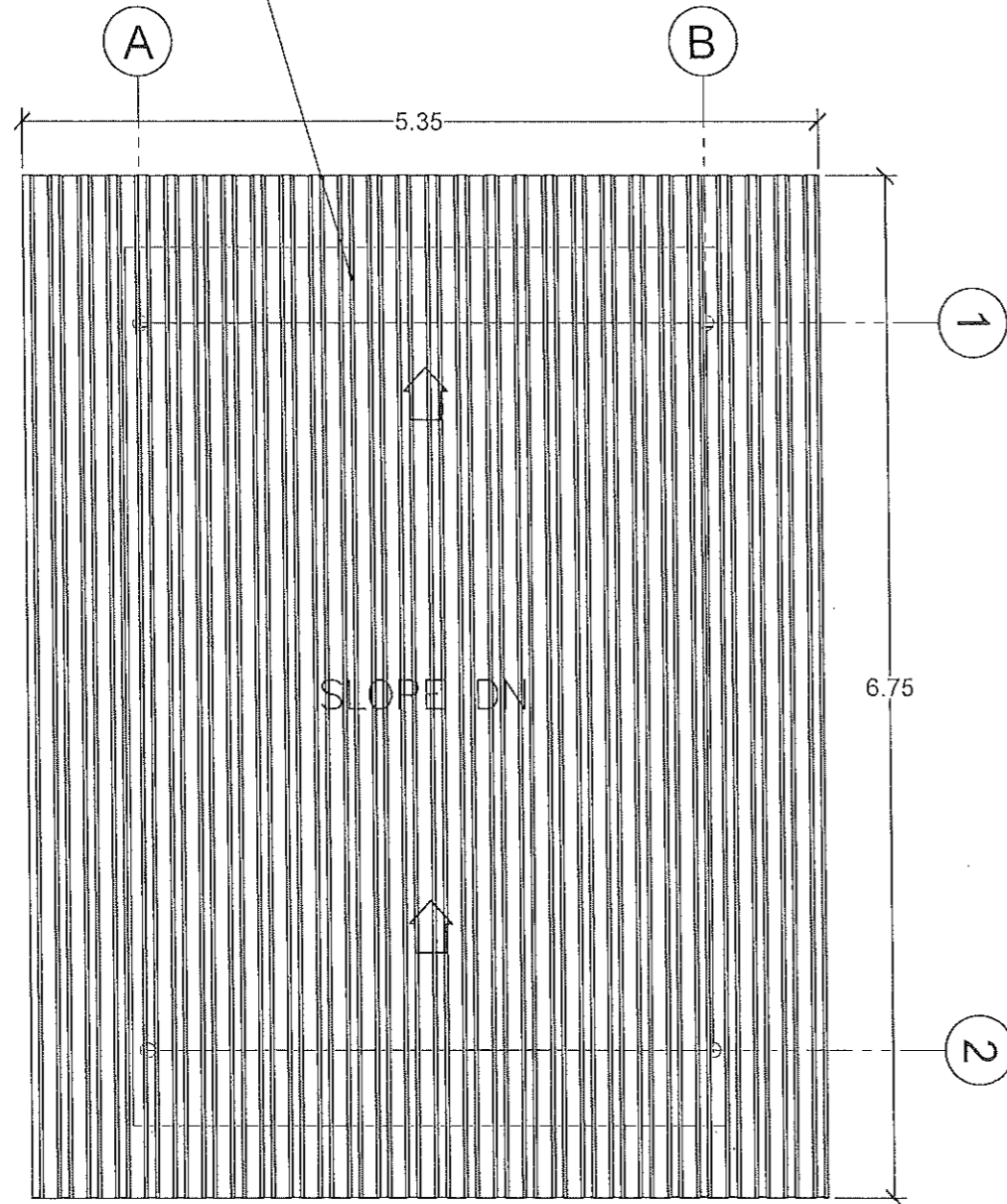
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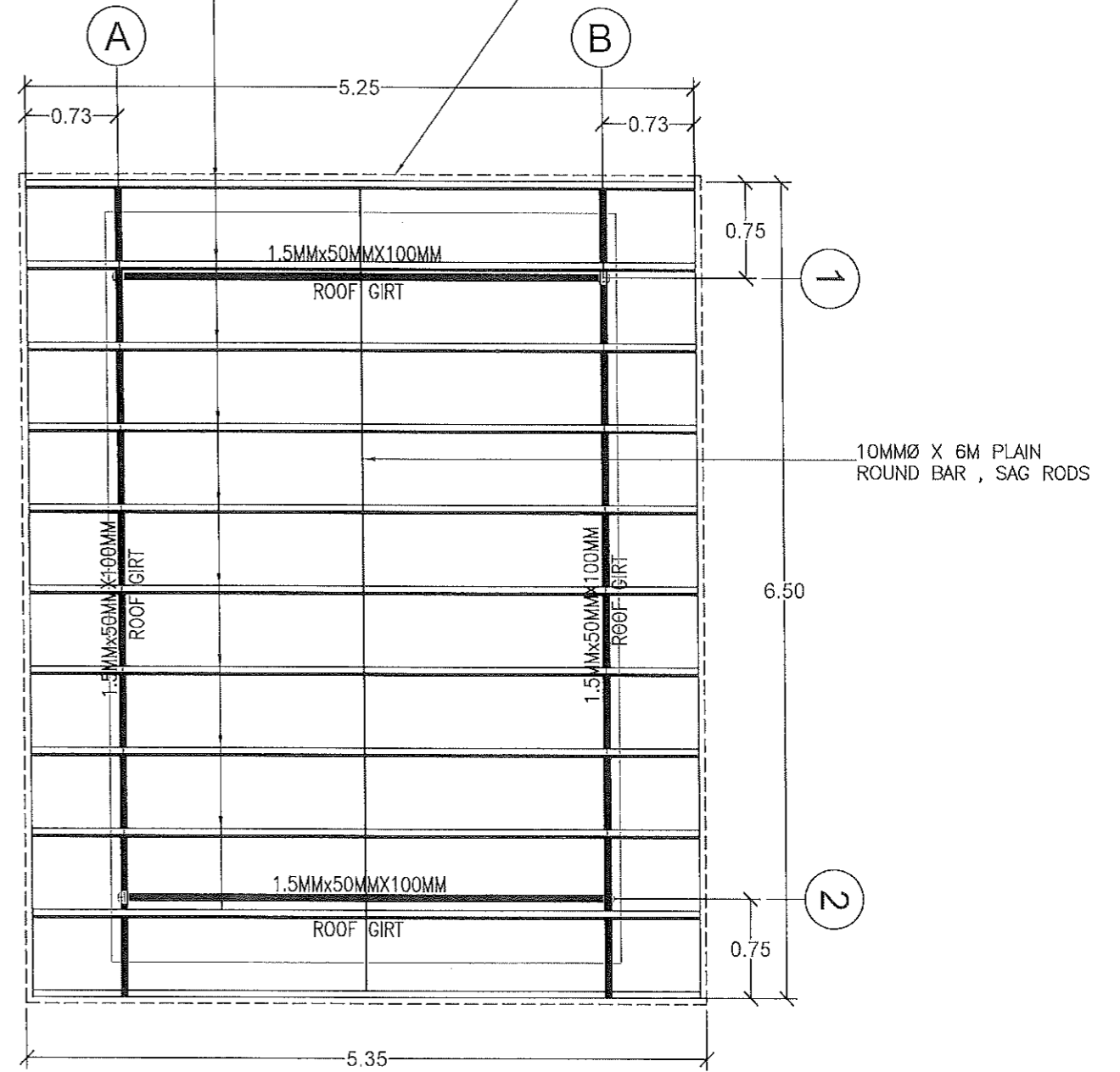
0.427MM THK. RIB TYPE PROFILE, PREPAINTED ROOFING.

1.20MM THK.x50MMx
75MM LC PURLIN,
W/ 4.0MM THK X 50MM X 50MM
ANGLE BAR , PURLIN CLEAT.

FASCIA BOARD ON
1-1.2MM THK. 50MM X
75MM G.I. RECT. TUBE
ON EVERY SIDE



1 ROOF PLAN
A-4 SCALE 1:50 M.



2 ROOF FRAMING PLAN
A-4 SCALE 1:50 M.



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PROVINCIAL ENGINEER

APPROVED BY:
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SHEET NO.:
A-4
4 10

GENERAL CONSTRUCTION NOTES

NOTES ON CONCRETE MIXES & PLACING

- USE TYPE 1 PORTLAND CEMENT FOR STRUCTURAL CONCRETE.
- ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMP AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF AGGREGATE	MAX SLUMP
ALL OTHERS, INCLUDING SUSPENDED SLABS	3000 PSI (20.7 MPa)	20 mm	100mm
COLUMNS	3000 PSI (20.7 MPa)	20 mm	100mm
BEAMS, SLABS	3000 PSI (20.7 MPa)	20 mm	100mm
SLAB ON FILL	2500 PSI (17.5 MPa)	20 mm	100mm

- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SUSPENDED SLABS	20mm
SLAB ON GRADE	40mm
WALLS ABOVE THE GRADE	25mm
BEAM STIRRUPS AND COLUMN TIES WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	50mm / 75mm

- CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION. RE-HANDLING OR PLACING SHALL BE DONE PREFERABLY WITH BUGGIES, BUCKETS OR WHEELBARROWS, NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUGGIES, WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.

- NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING DESIGNER AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO ACCOMPLISH.

- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

- ALL CONCRETE SHALL BE KEPT MOST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

- STRIPPING OF FORMS AND SHORES:

FOUNDATION	24 HOURS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
WALLS	21 DAYS
BEAMS	14 DAYS
COLUMNS	21 DAYS

- THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.

- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORINGS UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTES ON FOOTINGS

- FOOTINGS ARE DESIGNED FOR AN ALLOWANCE SOIL BEARING PRESSURE OF 96 KPa (2000psf). CONTRACTOR SHALL REPORT TO THE ENGINEER, IN WRITING, THE ACTUAL SOIL CONDITIONS UNCOVERED AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL BEFORE DEPOSITING CONCRETE.
- FOOTING SHALL REST AT LEAST 1500mm BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST ON FILL.
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 75mm CLEAR FOR CONCRETE DEPOSITED THE GROUND AND 50mm FOR CONCRETE DEPOSITED AGAINST A FORMWORK.
- IN CASES WHERE THE SOIL CONDITION IS SUCH THAT THE MINIMUM ALLOWABLE SOIL PRESSURE OF 96KPa (2000 psf) CAN NOT BE ATTAINED AT A PRACTICAL DEPTHS THE USE OF MICROPILES, BORED PILES, OR DRIVEN PILES MAY BE ADOPTED IN LIEU OF STANDARD ISOLATED FOOTINGS.

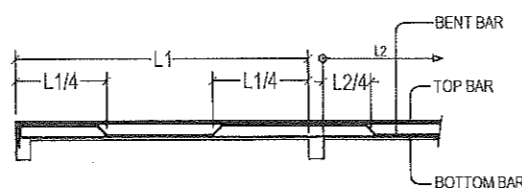
NOTES ON REINFORCEMENT

- UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

A. FOOTINGS, FOOTING BEAMS AND GIRDERS	$f_y = 275 \text{ MPa (40,000 psi)}$
B. COLUMNS AND SHEAR WALLS	$f_y = 275 \text{ MPa (40,000 psi)}$
C. BEAMS AND GIRDER	$f_y = 275 \text{ MPa (40,000 psi)}$
D. NON-LOAD BEARING WALL PARTITIONS, BEDDED SLABS, FLOOR & ROOF SLABS, PARAPETS, CATCH BASIN, SIDE WALK	$f_y = 275 \text{ MPa (40,000 psi)}$
- ALL REINFORCING BARS SIZE 10mm OR LARGER SHALL BE DEFORMED IN ACCORDANCE WITH THE ASTM A-706 BARS SMALLER THAN 10mm MAY BE PLAIN.
- SPICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE W/ TABLE B (TABLE OF LAP SPICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPICES SHALL BE STAGGERED WHENEVER POSSIBLE.

NOTES ON CONCRETE SLABS

- ALL SLAB REINFORCEMENTS SHALL BE 20mm CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.
- UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS:



- IF SLABS ARE REINFORCED BOTHWAYS BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLUMN STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1 1/2) SLAB THICKNESS.

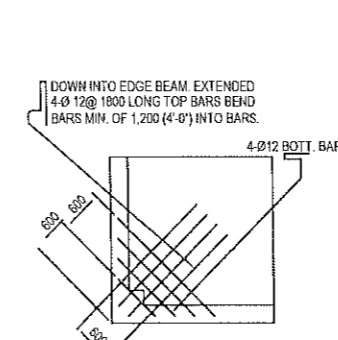
- TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0025 X GROSS-SECTIONAL AREA (A_g) OF THE SLAB. (SEE SCHEDULE BELOW)

SCHEDULE OF MINIMUM SLAB REINFORCEMENT	
MINIMUM TEMPERATURE BARS	
100 mm	10mm Ø @ 250mm EACH WAY
125 mm	10mm Ø @ 250mm EACH WAY
150 mm	10mm Ø @ 250mm EACH WAY
175 mm	10mm Ø @ 250mm EACH WAY
200 mm	10mm Ø @ 250mm EACH WAY

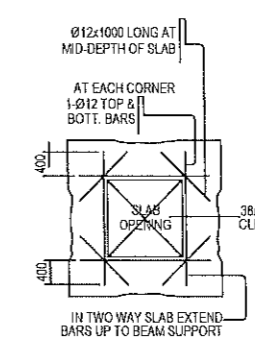
- UNLESS OTHERWISE NOTED IN THE PLANS ALL BEDDED SLABS SHALL BE REINFORCED WITH 10mm Ø AT 250mm O.C. EACH WAY TO CENTER OF SLAB AND CONSTRUCTION JOINTS FOR SAME SHALL NOT BE LESS THAN 3.65 METER APART.

- PROVIDE EXTRA REINFORCEMENTS FOR CORNER SLAB (TWO ADJACENT DISCONTINUES EDGES) AS SHOWN BELOW.

- CONCRETE SLAB REINFORCEMENT BE PROPERLY SUPPORTED WITH 10mm STEEL CHAIR OR APPROVED EQUIVALENT SPACED AT 1.0 METER ON CENTER BOTHWAYS.



TYPICAL CORNER SLAB DETAIL



TYPICAL SLAB OPENING DET.

NOTES ON COLUMNS

- PROVIDE EXTRA SETS OF TIES AT 100 O.C. FOR TIED COLUMN REINFORCEMENT ABOVE AND BELOW BEAM-COLUMN CONNECTIONS FOR A DISTANCE FROM FACE OF CONNECTION EQUAL TO GREATER OF THE OVERALL THICKNESS OF COLUMN, 1/6 THE CLEAR HEIGHT OF COLUMN OR 450mm.
- COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE WITH A MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE OF COARSE AGGREGATE IN MILLIMETERS.
- WHERE COLUMNS CHANGE IN SIZE, VERTICAL REINFORCEMENT SHALL BE OFFSET AT A SLOPE MONOLITHICALLY WITH THE CORE WITH MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE COARSE AGGREGATE IN MILLIMETERS.
- UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPICE LENGTH SHALL BE LESS THAN 40 BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT NOT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPICES OF ADJACENT BARS IS NOT LESS THAN 600mm.

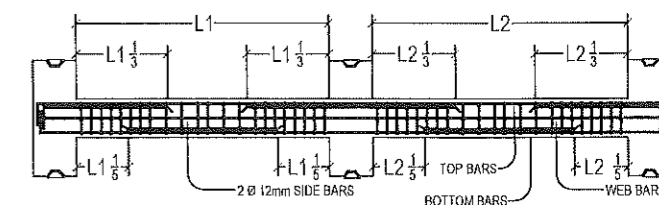
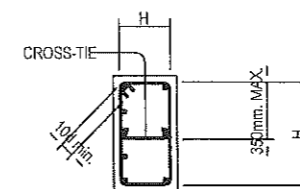


FIGURE B-1

NOTES ON BEAMS AND GIRDERS

- UNLESS OTHERWISE NOTED IN PLANS, CAMBER ALL BEAMS AND GIRDER AT LEAST 6mm Ø FOR EVERY 4.50 M OF SPAN, EXCEPT CANTILEVERS FOR WHICH THE CAMBER SHALL BE AS NOTED IN PLANS OR AS ORDERED BY THE ENGINEER BUT IN NO CASE LESS THAN 20 mm FOR EVERY 3.0 M OF FREE SPAN.
- TYPICAL BARS BENDING AND CUTTING DETAILS FOR BEAMS SHALL BE AS SHOWN IN FIG. B-1

GENERAL NOTES

1.0 STANDARDS AND REFERENCES

- THE FOLLOWING SHALL GOVERN THE DESIGN FABRICATION AND CONSTRUCTION OF THE PROJECT.
- NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (N.S.C.P 2015) VOL. 1, SEVENTH EDITION.
 - SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE DPWH STANDARD SPECIFICATIONS FOR PUBLIC WORKS STRUCTURES VOLUME III, 2019 EDITION.

2.0 DESIGN CRITERIA

2.1 LOADINGS

A. DEAD LOAD	
CONCRETE	23.56 kN/m ³
STEEL	76.93 kN/m ³
150 mm THK. CHB WALL	2.73 kPa
100 mm THK. CHB WALL	2.11 kPa
B. LIVE LOAD	
ROOF	1.00 kPa
TOILETS	1.90 kPa
CORRIDORS ABOVE, STAIRS	3.80 kPa
CORRIDORS ON GROUND	4.80 kPa

2.2 DESIGN CRITERIA

- BUILDING CATEGORY = 1 (ESSENTIAL FACILITIES)
EXPOSURE = D (FLAT, UNOBSTRUCTED AREAS AND WATER SURFACES)
MAXIMUM WIND VELOCITY, V = 340 KPH

$$P = qh \{ (GC_{pf}) - (GC_{pi}) \} \quad (\text{DESIGN WIND PRESSURE})$$

WHERE: qh = VELOCITY PRESSURE (kPa)
GC_{pf} = EXTERNAL PRESSURE COEFFICIENT
GC_{pi} = INTERNAL PRESSURE COEFFICIENT

D. SEISMIC LOAD

$$V = \frac{C_v I}{R T} W \quad (\text{DESIGN BASE SHEAR})$$

$$V_{max} = \frac{2.50 C_a I W}{R T} \quad V_{min} = 0.11 C_a I W$$

$$V_{min} = \frac{0.80 Z N I W}{R} \quad (\text{ZONE 4})$$

WHERE: W = TOTAL DEAD LOAD

T = NATURAL PERIOD = C_t(h)
WHERE: C = NUMERICAL COEFFICIENT
h = BUILDING HEIGHT
I = IMPORTANCE FACTOR = 1.50
R = NUMERICAL FACTOR = 8.50
SEISMIC COEFFICIENT C_v = 0.44 Nv
C_a = 0.64 Nv
NEAR SOURCE FACTOR (5 km) Nv = 1.6
N_a = 1.2
Z = SEISMIC ZONE = 0.40 (ZONE 4)
S = SOIL TYPE = D

2.2 DESIGN STRESSES

A. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS:

- FOOTINGS, COLUMNS, BEAMS AND SLABS $f_c = 20.7 \text{ MPa (3,000 psi)}$
- SLAB ON FILL $f_c = 17.5 \text{ MPa (2,500 psi)}$

B. REINFORCING STEEL BARS

- FOR BARS 16mm AND GREATER (INTERMEDIATE GRADE DEFORMED BAR) $f_y = 275 \text{ MPa (40,000 psi)}$
- FOR BARS LESS THAN 16mm (STRUCTURAL GRADE DEFORMED BAR) $f_y = 230 \text{ MPa (33,000 psi)}$

C. STRUCTURAL STEEL ASTM-A36

- FOR TRUSSES, BRACINGS, & STRUTS $f_y = 248 \text{ MPa (36,000 psi)}$

D. PURLINS

- COLD FORMED LIGHT $f_y = 248 \text{ MPa (36,000 psi)}$

E. MASONRY UNIT (CHB)

- NON-LOADING BEARING CHB WALLS $f_m = 3.45 \text{ MPa (500 psi)}$

F. WELDS

- 60XX ELECTRODE $E = 60XX \text{ ELECTRODE}$

G. STRUCTURAL BOLTS ASTM-A307

- $F_t = 96.60 \text{ mPa (14,000 psi)}$
- $F_v = 69.00 \text{ mPa (10,000 psi)}$

3.0 IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN.

DISTANCES AND SIZES SHALL NOT BE SCALED FOR CONSTRUCTIONS PURPOSES

4.0 IN REFERENCES TO OTHER DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR

SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTITIONS, LOCATIONS OF DRAINS ETC.

5.0 IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS AND ELEVATIONS BETWEEN THE

STRUCTURAL PLANS AND ARCHITECTURAL DRAWINGS, THE CONTRACTORS SHALL NOTIFY BOTH THE STRUCTURAL ENGINEER AND ARCHITECTS.

6.0 ALL CONCRETE WORKS AND CONCRETE REINFORCEMENTS SHALL BE DONE IN ACCORDANCE WITH THE

ACI 318 95 BUILDING CODE REQUIREMENT AND ALL STRUCTURAL STEEL WORKS ACCORDING WITH THE AISC SPECIFICATION (9TH EDITION) SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.

7.0 ACI REFERS TO AMERICAN CONCRETE INSTITUTE, AISC REFERS TO AMERICAN INSTITUTE OF STEEL

CONSTRUCTION AND ASTM REFERS TO AMERICAN SOCIETY FOR TESTING MATERIALS.

8.0 CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR

NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.

9.0 SHOP DRAWING WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS

IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEERS APPROVAL BEFORE FABRICATION.

10. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS EQUIPMENT AND

MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.

11. ALL RESULTS OF THE MATERIAL TESTING FOR CONCRETE, REINFORCING BARS & STRUCTURAL STEEL MUST

BE NOTED & APPROVED BY THE MATERIALS ENGINEER/STRUCTURAL DESIGNER.



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: ESA JOY M. CAVALIDA COS EMPLOYEE	REVIEWED BY: JOSEPH R. GONZALES ENGINEER - III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL: LEONERL MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE ROSA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: S-1 5 10
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					

GENERAL CONSTRUCTION NOTES

TABLE 'A'
TENSION BARS
TABLE OF LAP SPlice & ANCHORAGE LENGTH (mm)

BAR SIZES (REF. GRADE IV)	f _c ' = 20.71 MPa (3000 psi)		f _c ' = 27.6 MPa (4000 psi)	
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
Ø10	300	300	300	300
Ø12	300	300	300	300
Ø16	300	400	300	400
Ø20	400	550	350	500
Ø25	600	600	550	750
Ø28	750	1000	650	850
Ø32	950	1300	850	1100

NOTES:
1. TOP PLAIN BARS, MULTIPLY VALUE BY 2
2. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH

TABLE 'B'
COMPRESSION BARS
TABLE OF LAP SPlice & ANCHORAGE LENGTH (mm)

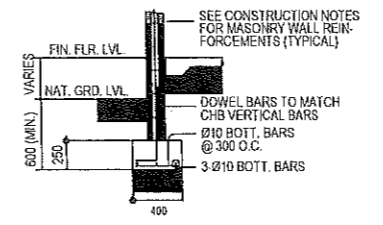
BAR SIZES (REF. GRADE IV)	f _c ' = 20.71 MPa (3000 psi)		f _c ' = 27.6 MPa (4000 psi)	
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
Ø10	225	300	200	300
Ø12	275	300	250	300
Ø16	350	400	325	400
Ø20	450	500	425	500
Ø25	550	625	550	625
Ø28	625	675	625	675
Ø32	700	775	700	775

NOTES:
1. TOP PLAIN BARS, MULTIPLY VALUE BY 2
2. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH
3. VALUES GIVEN ABOVE CAN ALSO BE USED FOR COLUMNS

REINFORCING CONCRETE LINTEL BEAMS IN CONCRETE BLOCK WALLS

LINTELS IN BLOCK WALLS

CLEAR SPAN (L)	TOTAL LENGTH (L+0.40L)	MIN. f _c ' (MPa)	HEIGHT OF LINTEL (mm)	REINFORCEMENT		
				BOTTOM	TOP	STIRRUPS
1.20 M	1.60 M	14.0	200	1-Ø10	1-Ø10	Ø6 mm @ 200mm
1.50 M	1.90 M		200	1-Ø10	1-Ø10	Ø6 mm @ 200mm
1.80 M	2.20 M		200	1-Ø12	1-Ø10	Ø6 mm @ 200mm
2.10 M	2.50 M	17.0	250	1-Ø12	1-Ø10	Ø6 mm @ 200mm
2.40 M	2.80 M		250	1-Ø12	1-Ø10	Ø6 mm @ 200mm
2.70 M	3.10 M		250	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.00 M	3.40 M	20.0	300	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.30 M	3.70 M		300	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.60 M	4.00 M		300	1-Ø20	1-Ø12	Ø10mm @ 200mm



TYPICAL CONNECTION DETAIL OF R.C. WALL AT CORNERS

NOTES ON WELDS

- USE E60xx ELECTRODES FOR ALL MEMBERS WELDED.
- WELDS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS JOINED UNLESS OTHERWISE SHOWN OR DETAILED IN THE DRAWINGS.

NOTES ON STRUCTURAL STEEL

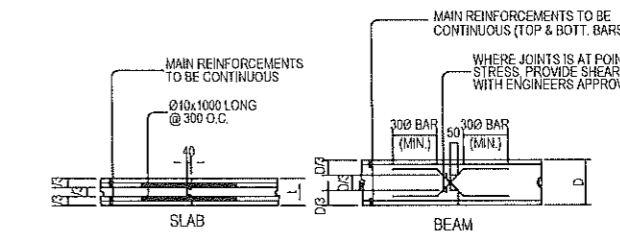
- STRUCTURAL STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
- ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE INDICATED.
- ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED.
- UNLESS OTHERWISE SPECIFIED ALL WELDING RODS SHALL CONFORM WITH E60 ELECTRODES.
- ALL BOLTS USED UNLESS OTHERWISE SPECIFIED SHALL BE ASTM A307 BOLTS.

NOTES ON EMBEDDED PIPES

- ALL EMBEDDED PIPES FOR UTILITIES ETC. THAT PASS THRU BEAMS SHALL NOT EXCEED 100mm IN DIAMETER OR 1/3 BEAM DEPTH WHICHEVER IS LESS, UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- NO PIPES SHALL BE ALLOWED TO PASS THRU BEAMS VERTICALLY.
- NO PIPES SHALL BE EMBEDDED IN COLUMNS.

NOTES ON CONSTRUCTION JOINTS IN CONCRETE

- WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF CONCRETE SHALL BE CLEANED AND ALL LAITANCE AND STANDING WATER REMOVED SHEAR KEY SHALL BE PROVIDE AT THE JOINT.



TYPICAL SLAB & BEAM CONSTRUCTION JOINT DET.

NOTES ON CONCRETE WALLS

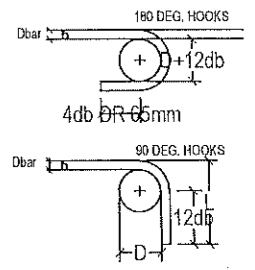
- ALL WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF WALL REINFORCEMENT UNLESS OTHERWISE INDICATED IN THE PLANS.

WALL THICKNESS	REINFORCEMENT			REMARKS	VERTICAL SECTION
	HORIZONTAL	VERTICAL	REMARKS		
100mm	Ø10mm @ 250mm O.C.	Ø10mm @ 300mm O.C.	HORIZONTAL BARS AT CENTERS VERTICAL BARS STAGGERED OUT		
125mm	Ø10mm @ 200mm O.C.	Ø10mm @ 250mm O.C.			
150mm	Ø12mm @ 250mm O.C.	Ø12mm @ 300mm O.C.			

- REINFORCING BARS SHALL HAVE 25mm CLEAR CONCRETE COVER FROM FACE OF WALL EXCEPT FOR WALLS IN CONTACT WITH THE GROUND WHERE A MINIMUM OF 60mm SHALL BE PROVIDED AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50mm CLEAR.
- CARRY VERTICAL BARS AT LEAST 60mm ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES WHEN NECESSARY STOP AT 50mm BELOW TOP SLAB OR SOLID BAND WHERE THE WALL ENDS VERTICAL AND HORIZONTAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO 30 DIAMETERS AND WIRED SECURELY WITH 16 G.I. WIRE PROVIDED THAT SPLICES IN ADJACENT BARS ARE STAGGERED AT LEAST 1.50M O.C.
 - UNLESS OTHERWISE NOTED IN THE PLANS, ALL OPENINGS IN WALLS 250mm OR THICKER SHALL BE REINFORCED AROUND WITH 2-20mmØ BARS. FOR 225mm, 200mm, 175mm, 150mm THICK WALLS, USE 2-16mmØ. FOR 125mm AND 100mm THICK WALLS, USE 2-12mmØ BARS. ALL WALLS SPANNING SHALL HAVE VERTICAL REINFORCEMENT BENT A U-FORM LIKE STIRRUPS AND SPACED ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED.

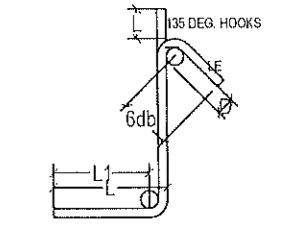
NOTES ON STIRRUPS

- ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
- AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER.
- TIES & CLOSE STIRRUPS MUST BE AT 135.



MAIN BAR END HOOKS (ALL GRADES)

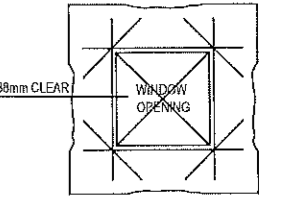
BAR SIZE (DEFORMED)	DIAMETER (mm)	180° HOOK		90° HOOK	
		D=2db	L	L	L
10 mm Ø	60	75	125	150	150
12 mm Ø	75	100	150	200	200
16 mm Ø	95	125	175	250	250
20 mm Ø	115	150	200	300	300
25 mm Ø	150	200	230	450	450
28 mm Ø	240	300	350	550	550
32 mm Ø	300	335	450	600	600



STIRRUP AND THE TIE HOOKS (ALL GRADES)

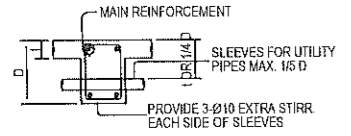
BAR SIZE (DEFORMED)	DIAMETER (mm)	180° HOOK		90° HOOK	
		D=2db	L	L	L
10 mm Ø	40	125	85	100	100
12 mm Ø	50	165	115	115	115
16 mm Ø	65	200	140	150	150
20 mm Ø	115	300	165	330	330
28 mm Ø	150	335	230	415	415

NOTE:
PROVIDE THESE ADDITIONAL BARS FOR ALL OPENINGS PLUS BARS (NOT SHOWN) PARALLEL TO SIDE OF OPENING EQUAL TO THE NUMBER OF TERMINATED BARS AT OPENING
SEE ARCHITECTURAL & MECHANICAL PLANS FOR SLAB OPENING LOCATION.

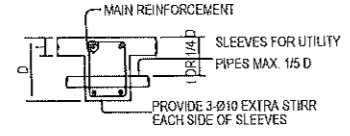


TYP. EXTERIOR WDW. & DOOR OPENING

- IF THE BEAM REINFORCING BARS END IN A WALL, THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL IS NOT LESS THAN 25mm. EMBEDMENT LENGTH SHALL BE SHOWN IN A TABLE 'A' FOR TENSION BARS AND TABLE 'B' FOR COMPRESSION BARS UNLESS UNLESS SPECIFIED IN PLAN. TOP BARS AND SHALL NOT BE SPLICED WITHIN THE COLUMN OR TWO STIRRUPS SHALL BE PROVIDED AT ALL SPLICES.
- IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USED 25mm BAR SEPARATORS SPACED AT 1.0M ON CENTER ON NO CASE SHALL THERE BE THAN TWO (2) SEPARATORS BETWEEN LAYERS OF BARS
- MINIMUM CONCRETE PROTECTION FOR REINFORCING BARS OR STEEL SHAPES SHALL BE AS SHOWN IN FIGURE B-2 UNLESS ELSEWHERE.



TYP. DET. FOR SLEEVES THRU CONCRETE BEAM
FIG. B-2



TYP. DET. FOR SLEEVES THRU CONCRETE BEAM
FIG. B-3

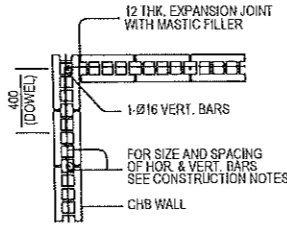
- WHEN A BEAM CROSSES A GIRDER, REST BEAM ON TOP OF GIRDER BARS, BEAM REINFORCING BARS SHALL BE SYMMETRICAL ABOUT THE CENTER LINE WHENEVER POSSIBLE.
- GENERALLY, NO SPLICES SHALL BE PERMITTED AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR, SPLICES WHERE SO PERMITTED SHALL BE INDICATED IN TABLE 'A' AND 'B'. WELDED SPLICES SHALL DEVELOP IN TENSION AT LEAST 125% OF THE SPLICED YIELD STRENGTH OF THE BAR NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION IS ALLOWED TO BE SPLICED THEREIN.

NOTES ON CONCRETE HOLLOW BLOCKS WALLS

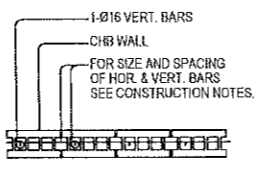
- UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.
- PROVIDE 150mm x 300mm STIFFENER COLUMN REINFORCED WITH 4-12mm WITH 10mm Ø TIES AT 150mm ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0M LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS.

NOTES ON CONCRETE HOLLOW BLOCKS WALLS REINFORCEMENTS

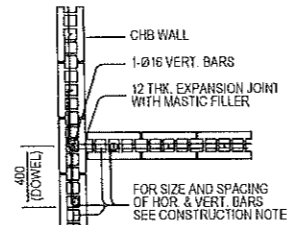
BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	LAPPED	
100 mm	10mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	A. MINIMUM LAPS AT SPlice= 0.25 M B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 0.92 m LONG C. WHERE CHB OR CER. BLK. WALL DOWELS WITH THE SAME SIZE AS VER. OR HOR. REINFORCEMENT SHALL BE PROVIDED
125 mm	10mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	
150mm	10mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	
200 mm	12mm Ø EVERY 3RD LEVEL	10mm Ø @ 600mm O.C.	



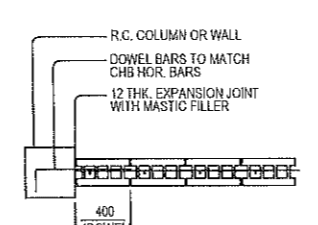
CORNER WALL



OPENING OR END WALL

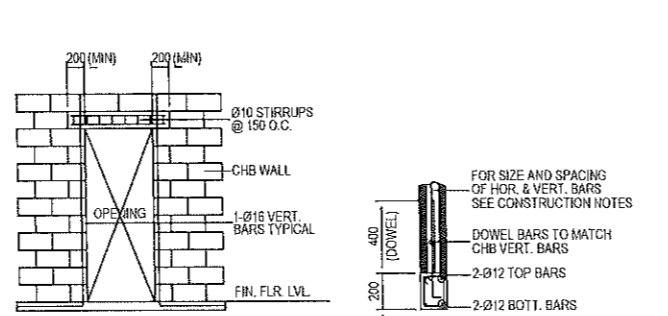


INTERSECTION WALL



INTERSECTING R.C. COLUMN OR WALL

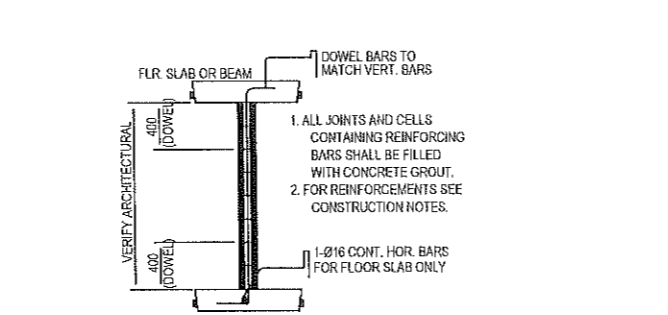
TYPICAL CONNECTION DETAIL OF MASONRY WALL



ELEVATION

SECTION

TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING



TYP. SECTION OF MASONRY PARTITION REINFORCEMENTS



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)
LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

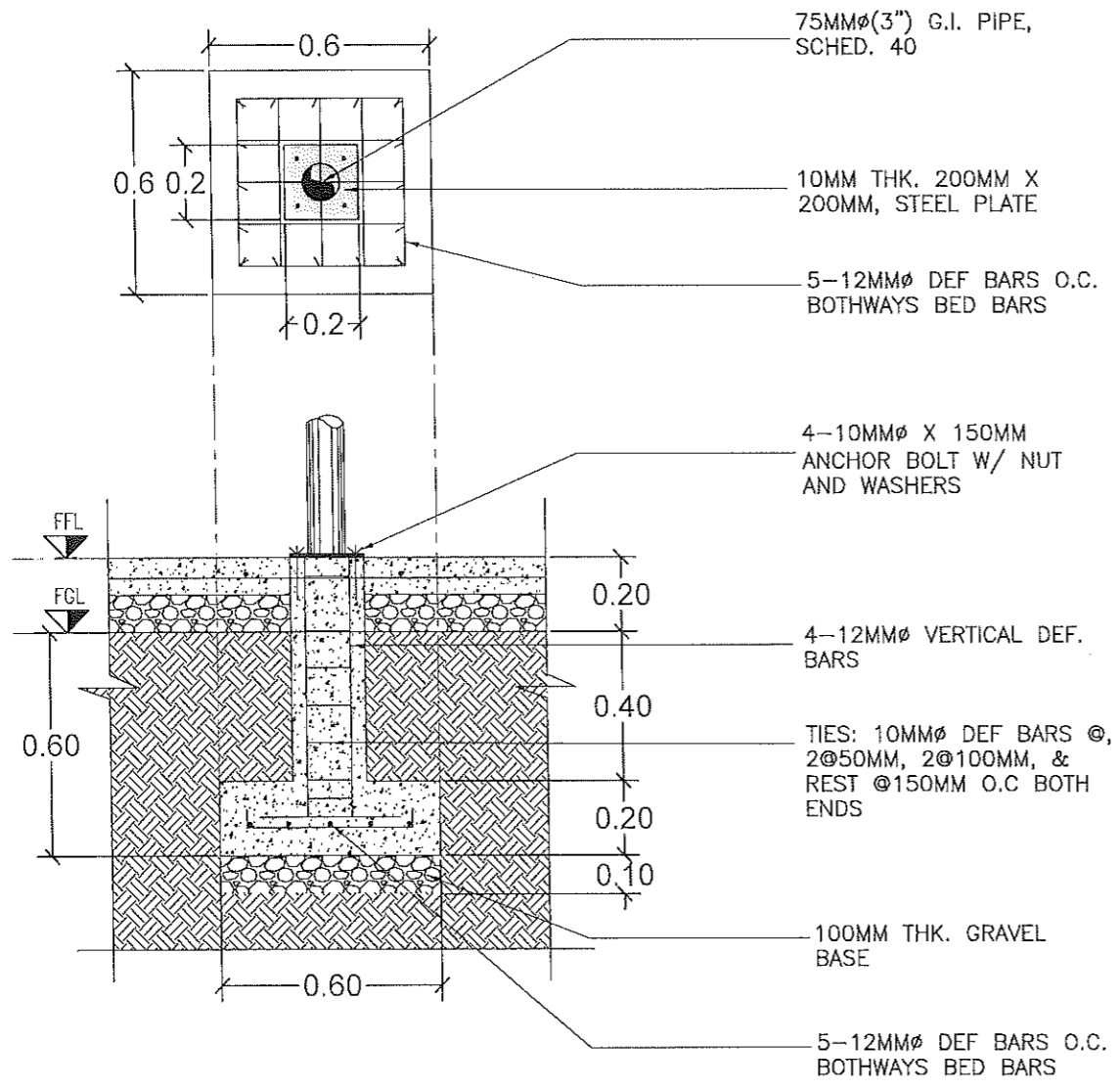
PREPARED BY:
ESA JOY M. CAVALIDA
COS EMPLOYEE

REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

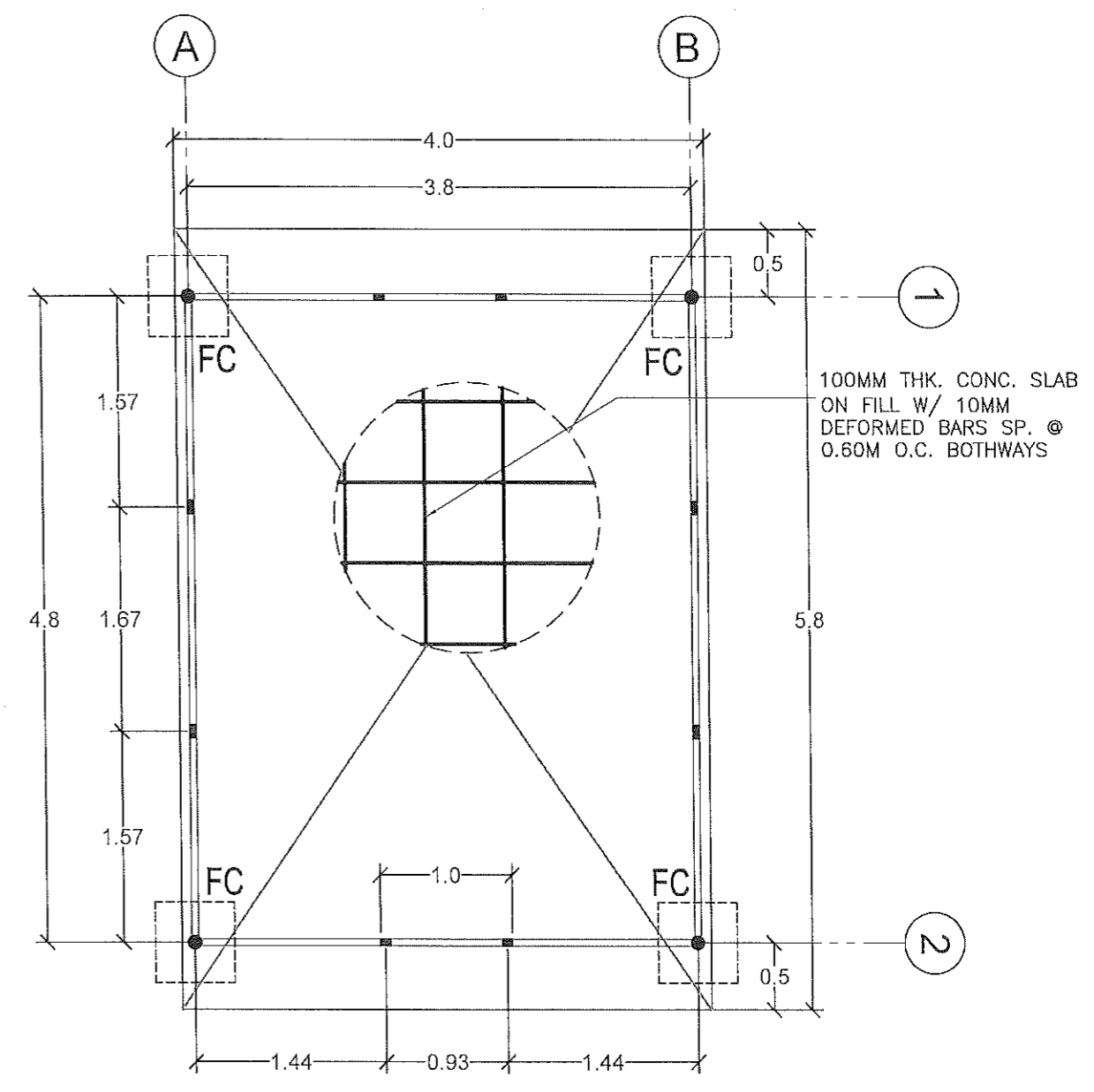
RECOMMENDING APPROVAL:
LEONEL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE ROSA CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
S-2
6 10



2 FC DETAIL
 S-3 SCALE 1:20 M.

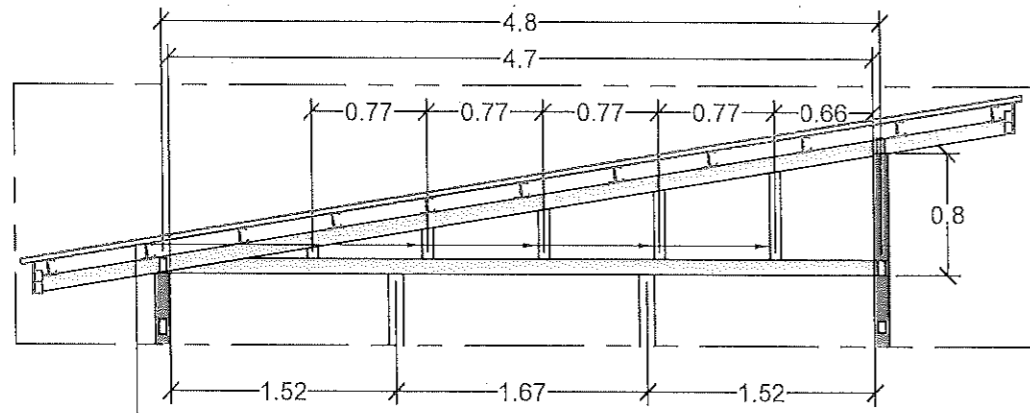


1 FOUNDATION PLAN
 S-3 SCALE 1:50 M.



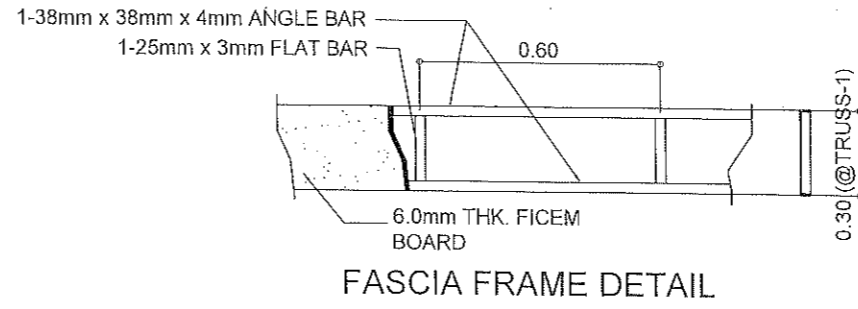
REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
 SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: ESA JOY M. CAVALIDA COS EMPLOYEE	REVIEWED BY: JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL: LEONERIL MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE RONA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: S-3 7 10
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					

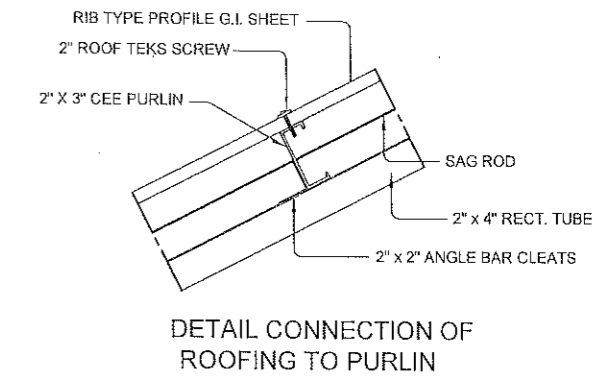


1.2MM THK x 50MM x75MM
G.I. RECTAGULAR TUBE

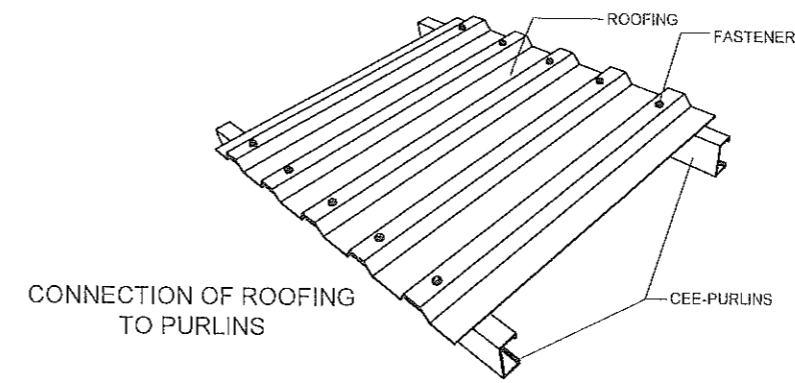
2 TRUSS DETAIL
S-4 SCALE 1:50 M.



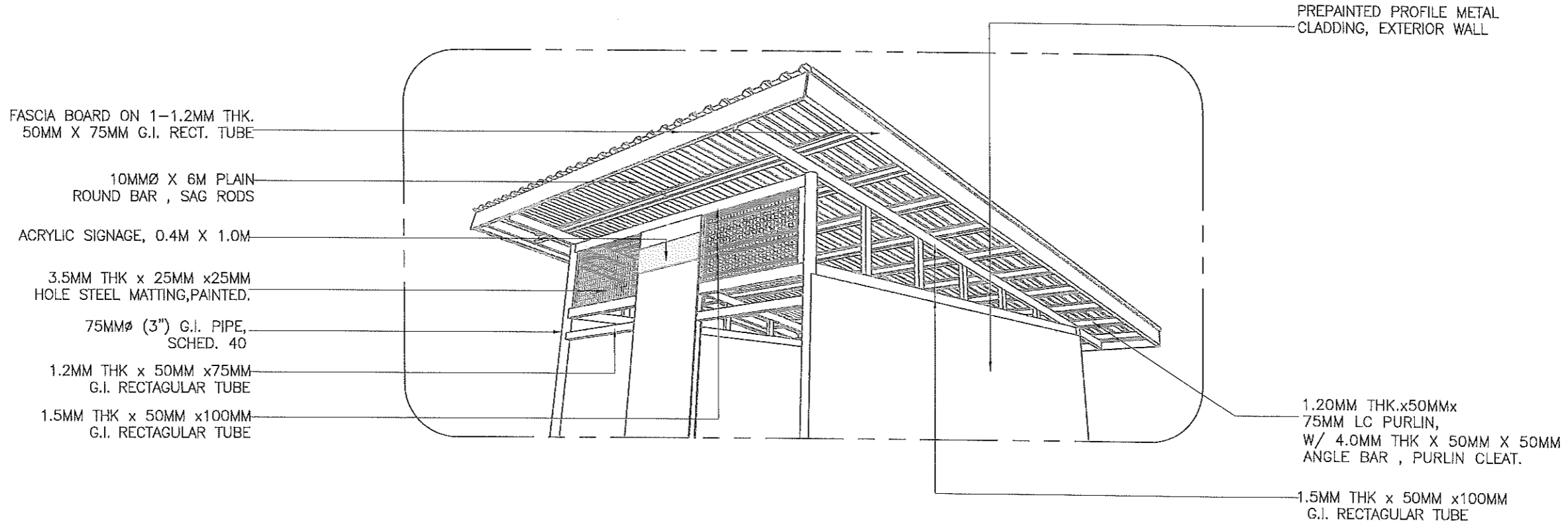
FASCIA FRAME DETAIL



DETAIL CONNECTION OF
ROOFING TO PURLIN



CONNECTION OF ROOFING
TO PURLINS

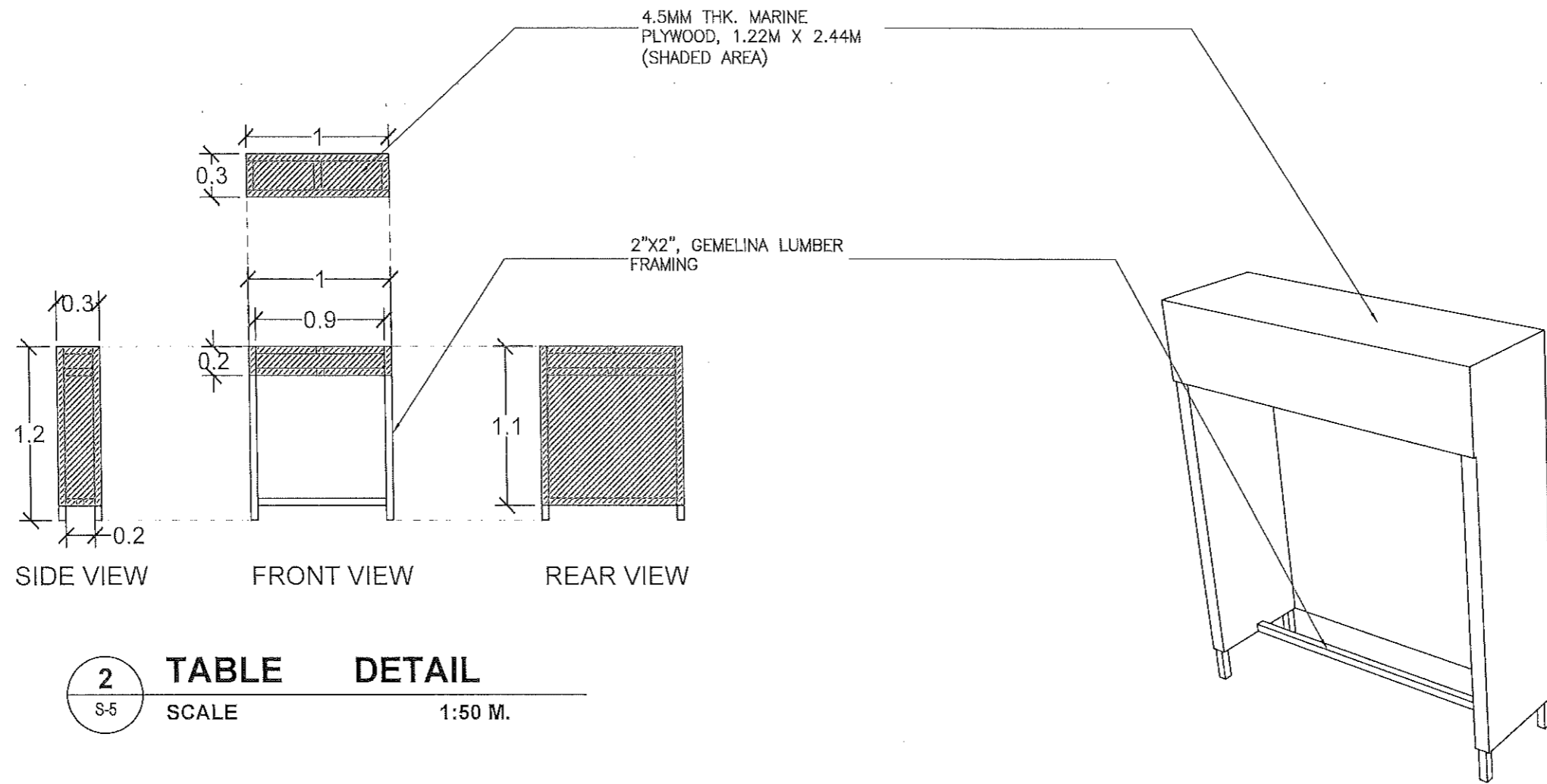


1 ISOMETRIC VIEW
S-4 SCALE 1:50 M.

NOTE:
ALL MEASUREMENTS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR, ALL DISCREPANCIES ARE TO BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER

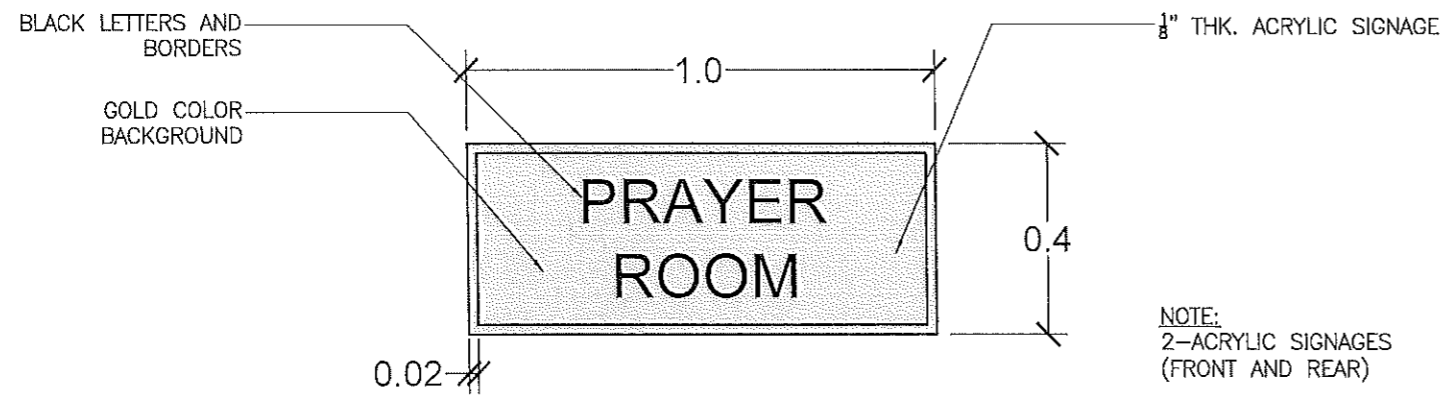
FINISHING ALL EXPOSED METAL SURFACES WITH PAINT

	REPUBLIC OF THE PHILIPPINES PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR		PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: ESA JOY M. CAVALIDA COS EMPLOYEE	REVIEWED BY: JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL: LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE ROXA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: S-4	
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR							8	10
									8



2 TABLE DETAIL
S-5 SCALE 1:50 M.

1 TABLE ISOMETRIC VIEW
S-5 SCALE 1:50 M.



3 ACRYLIC SIGNAGE DETAIL
S-5 DNTS

<p>REPUBLIC OF THE PHILIPPINES PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR</p>	PROJECT TITLE:	PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO.:
	CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	ESA JOY M. CAVALIDA COS EMPLOYEE	JOSEPH R. GONZALES ENGINEER - III PLANNING AND PROGRAMMING DIV. HEAD	LEONERIL MARCH P. SUARIO PROVINCIAL ENGINEER	YVONNE ROMA CAGAS PROVINCIAL GOVERNOR	S-5
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					9 10

ITEM NO.	ITEM DESCRIPTION:	UNIT	QUANTITY
803(1)a	Structure Excavation (Common Soil)	cu.m.	1.00 /
804(7)	Gravel Fill	cu.m.	11.76 /
900(1)c	Structural Concrete, Class A, 3000 psi, 28 days	cu.m.	2.71 /
902(1)a1	Reinforcing Steel (Deformed) Grade 40	kilogram	109.66 /
903(2)	Formworks and Falseworks	lump sum	1.00 /
1003(2)f	Wall, Metal Cladding	sq. m.	31.01 /
1003(17)	Carpentry and Joinery Works	lump sum	1.00 /
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	sq. m.	36.11 /
1018(2)	Unglazed Tiles	sq. m.	24.00 /
1032(1)b	Painting Works, Wood	sq. m.	38.32 /
1032(1)c	Painting Works, Steel	sq. m.	57.80 /
1047(1)	Structural Steel	lump sum	1.00 /
SPL-1	Acrylic Signages	lump sum	1.00 /

1
S-3

SUMMARY OF QUANTITIES

DNTS



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	PREPARED BY: ESA JOY M. CAVALIDA COS EMPLOYEE	REVIEWED BY: JOSEPH R. GONZALES ENGINEER - III PLANNING AND PROGRAMMING DIV. HEAD	RECOMMENDING APPROVAL: LEONERIL MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE RONA CAGAS PROVINCIAL GOVERNOR	SHEET NO.: O-0 10 10
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR					

6. DRAINAGE/CANAL WITH COVER



DETAIL OF DRAINAGE STRUCTURES

SCALE:

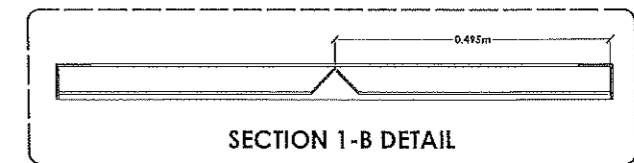
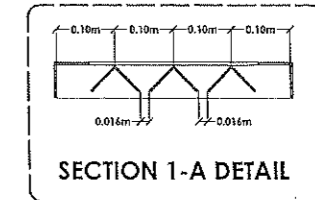
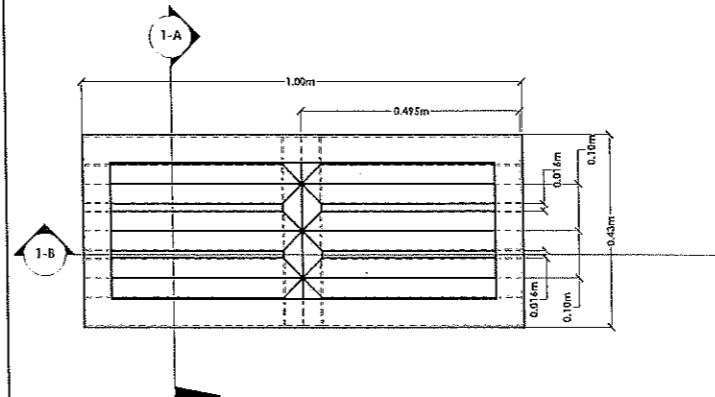
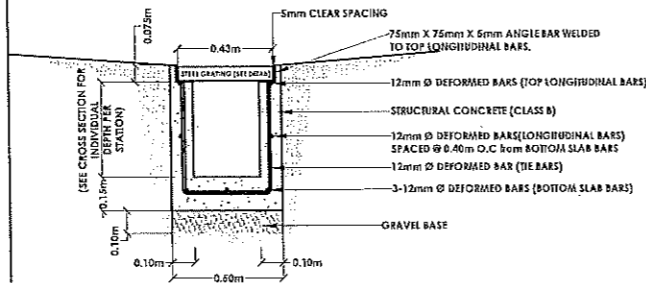
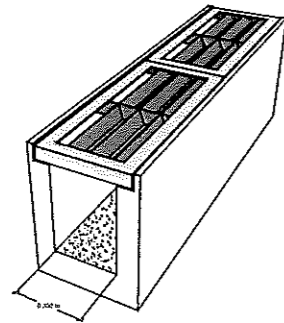
NTS

ISOMETRIC VIEW

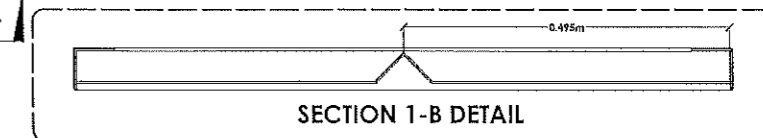
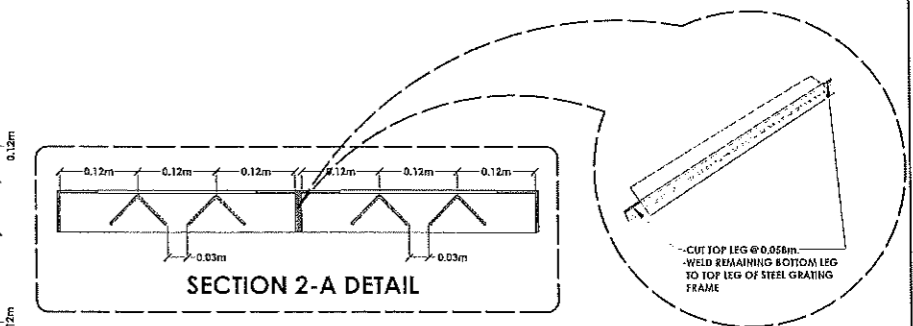
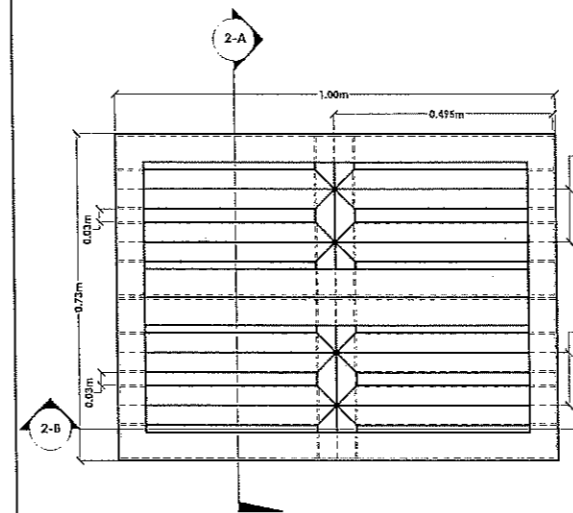
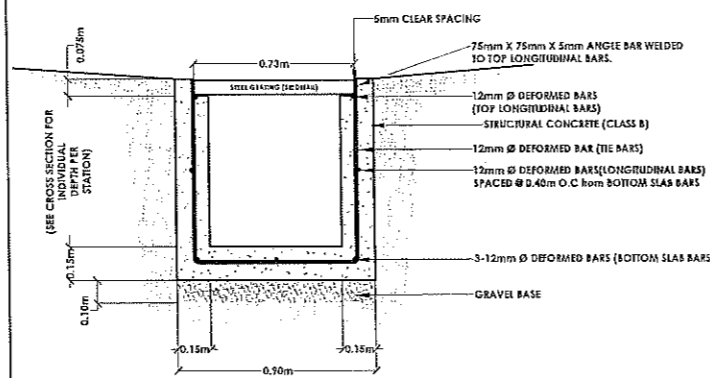
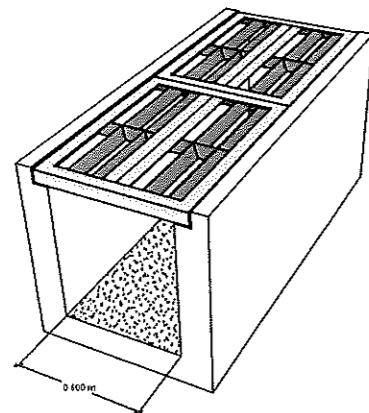
TYPICAL CROSS SECTION DETAIL

STEEL GRATING(63mm X 63mm X 5mm ANGLE BAR) COVER DETAILS

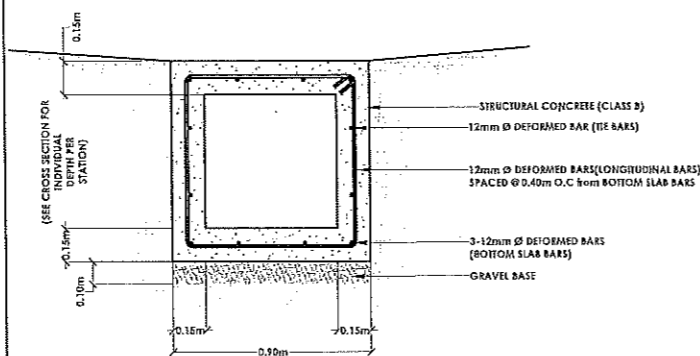
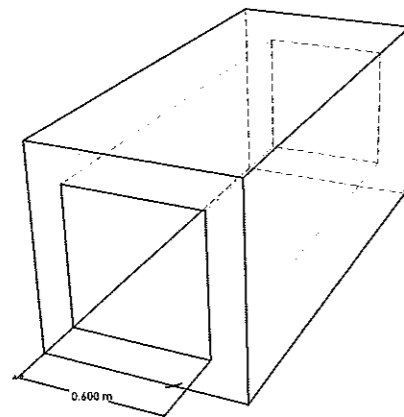
LINED CANAL WITH STEEL GRATING
300mm CLEAR BOTTOM WIDTH



LINED CANAL WITH STEEL GRATING
600mm CLEAR BOTTOM WIDTH



ENCLOSED LINED CANAL
600mm CLEAR BOTTOM WIDTH



NOTES:

1. THE HEIGHT AND EXACT LOCATIONS OF LINED CANAL STRUCTURES SHALL BE VERIFIED BY THE ENGINEER, FIELD ADJUSTMENTS MAYBE MADE TO SUIT ACTUAL CONDITION.
2. AGGREGATES TO BE USED SHALL CONFORM TO THE DPWH SPECIFICATION
3. CONCRETE SHALL COMPLY WITH SPECIFICATION ITEM 405(1)c1.
4. PRIOR TO INSTALLATION, ALL MATERIALS MUST BE TESTED AND SHOULD CONFORM TO THE TECHNICAL SPECIFICATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY MATERIALS INSTALLED FOUND TO BE DEFICIENT IN WORKMANSHIP AND QUALITY OF WORK.
6. WELDING SHALL BE PERFORMED BY THE METAL-ARC PROCESS, USING THE ELECTRODES SPECIFIED WITH EITHER DIRECT OR ALTERNATING CURRENT
7. SURFACES TO BE WELDED SHALL BE SMOOTH, UNIFORM AND FREE FROM FINNS, TEARS, AND OTHER DEFECTS WHICH WOULD ADVERSELY AFFECT THE QUALITY OF THE WELD
8. EDGES OF MATERIAL SHALL BE TRIMMED BY MACHINING, CHIPPING, GRINDING, OR MACHINE GAS-CUTTING TO PRODUCE A SATISFACTORY WELDING EDGE WHEREVER SUCH EDGE IS THICKER THAN: 13mm FOR SHEARED EDGE OF MATERIAL; 16mm FOR TOES OF ANGLES OR ROLLED SHAPES (OTHER THAN WIDE FLANGE SECTIONS); 25 MM FOR UNIVERSAL MILL PLATE OR EDGES OF FLANGE SECTIONS.
9. ALL EXCESS WELDED BEADS SHALL BE PROPERLY CHIPPED TO SMOOTH SURFACE
10. ALL WELDED CONNECTION SHALL BE SMOOTHEN AND BE PAINTED WITH RED OXIDE PRIMER AND SILVER ALUMINUM PAINT
11. ALL EXPOSED METAL SURFACES SHALL BE PAINTED WITH RED OXIDE PRIMER AND SILVER ALUMINUM PAINT TO PREVENT CORROSION
12. ALL ANGLE BAR SURFACES SHALL BE PAINTED AS MENTIONED INCLUDING THE FRAME HOLDER (75mm X 75mm X 5mm ANGLE BAR) WHICH IS WELDED TO THE LINED CANAL TOP LONGITUDINAL BARS. IT SHALL BE SO PAINTED PRIOR TO CONCRETE POURING OF LINED CANAL SIDE WALLS ADJACENT TO IT.



REPUBLIC OF THE PHILIPPINES
PROVINCE OF DAVAO DEL SUR
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY

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GREGORIO MATAS DISTRICT HOSPITAL (GMDH)**
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR

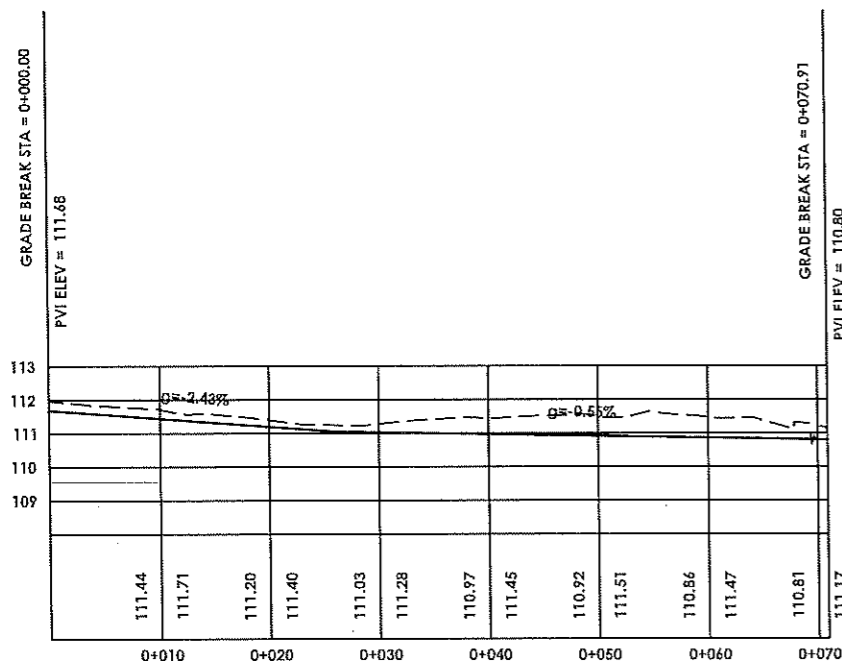
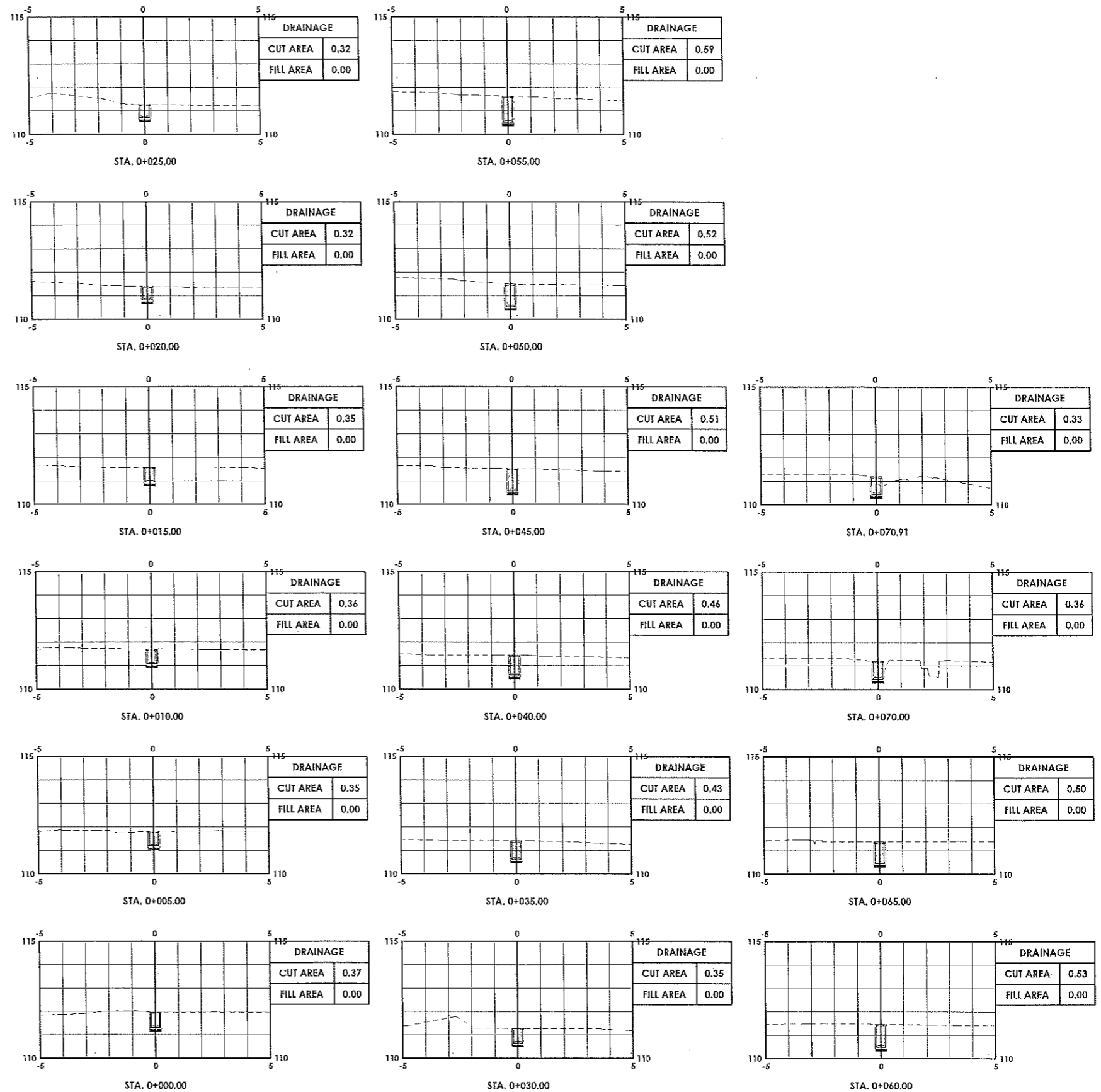
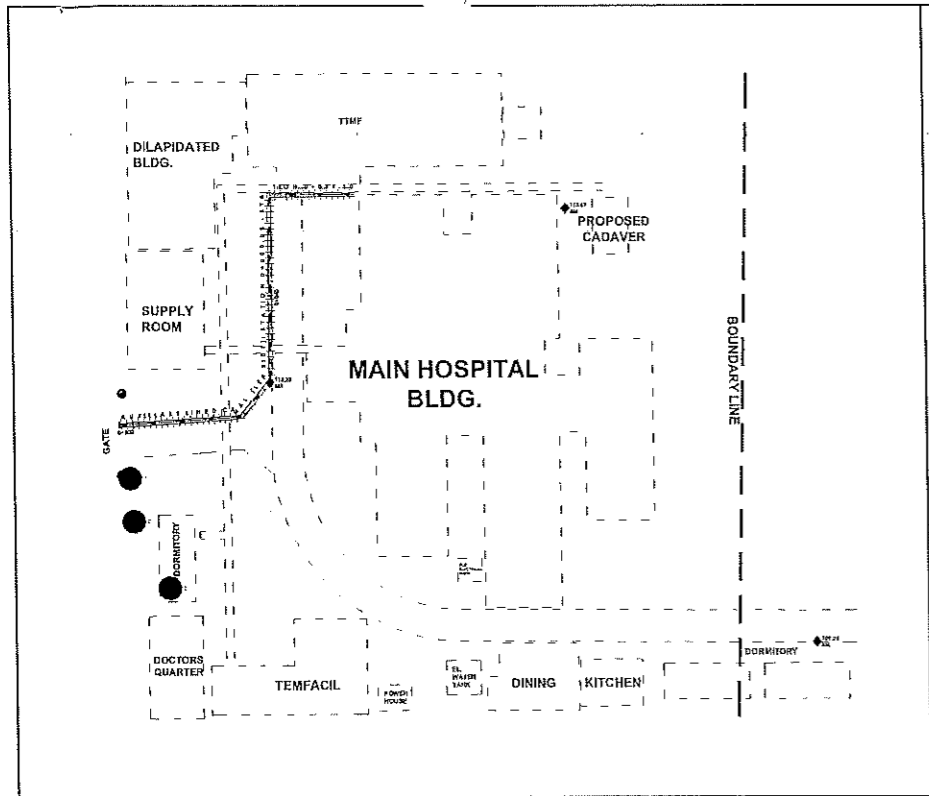
SURVEYED BY:
DONATO A. RELON
ENGINEER I
DESIGNED & PREPARED BY:
RICHIN GRACE P. ZAMORA
ENGINEERING ASSISTANT

REVIEWED BY:
JOSEPH M. GONZALES
ENGINEER III
PLANNING AND PROGRAMMING DIVISION HEAD

RECOMMENDING APPROVAL:
LEONERL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONKE ROKA CAGAS
PROVINCIAL GOVERNOR

SHEET No.:
S-2
02 07



DRAINAGE PROFILE

AUXILLARY LINED CANAL (LEFT SIDE)
SCALE: H=1:150, V=1:450

DRAINAGE SCHEDULE		
STATION	LENGTH (m)	REMARKS
0+000.00 - 0+070.91	70.91	LINED CANAL WITH STEEL GRATING 300mm CLEAR BOTTOM WIDTH

DRAINAGE CROSS SECTION

AUXILLARY LINED CANAL (LEFT SIDE)
SCALE: 1:200



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GREGORIO MATAS DISTRICT HOSPITAL (GMDH)
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR

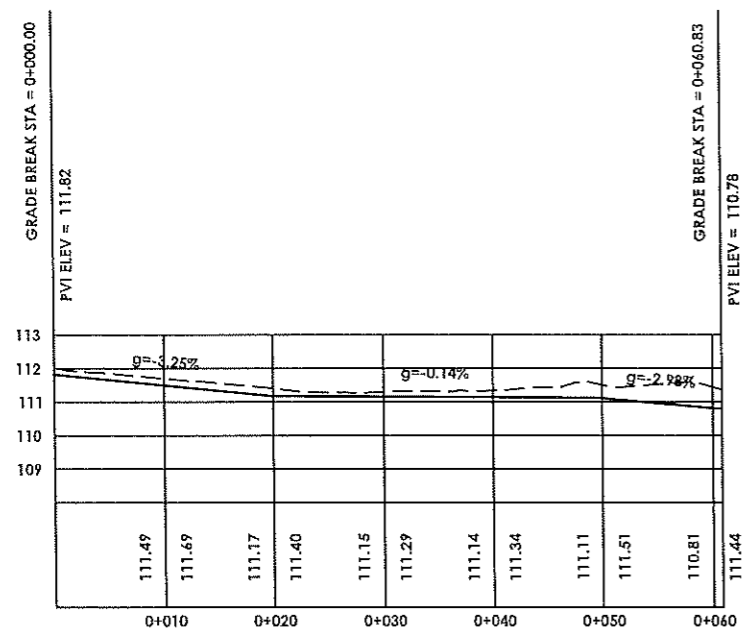
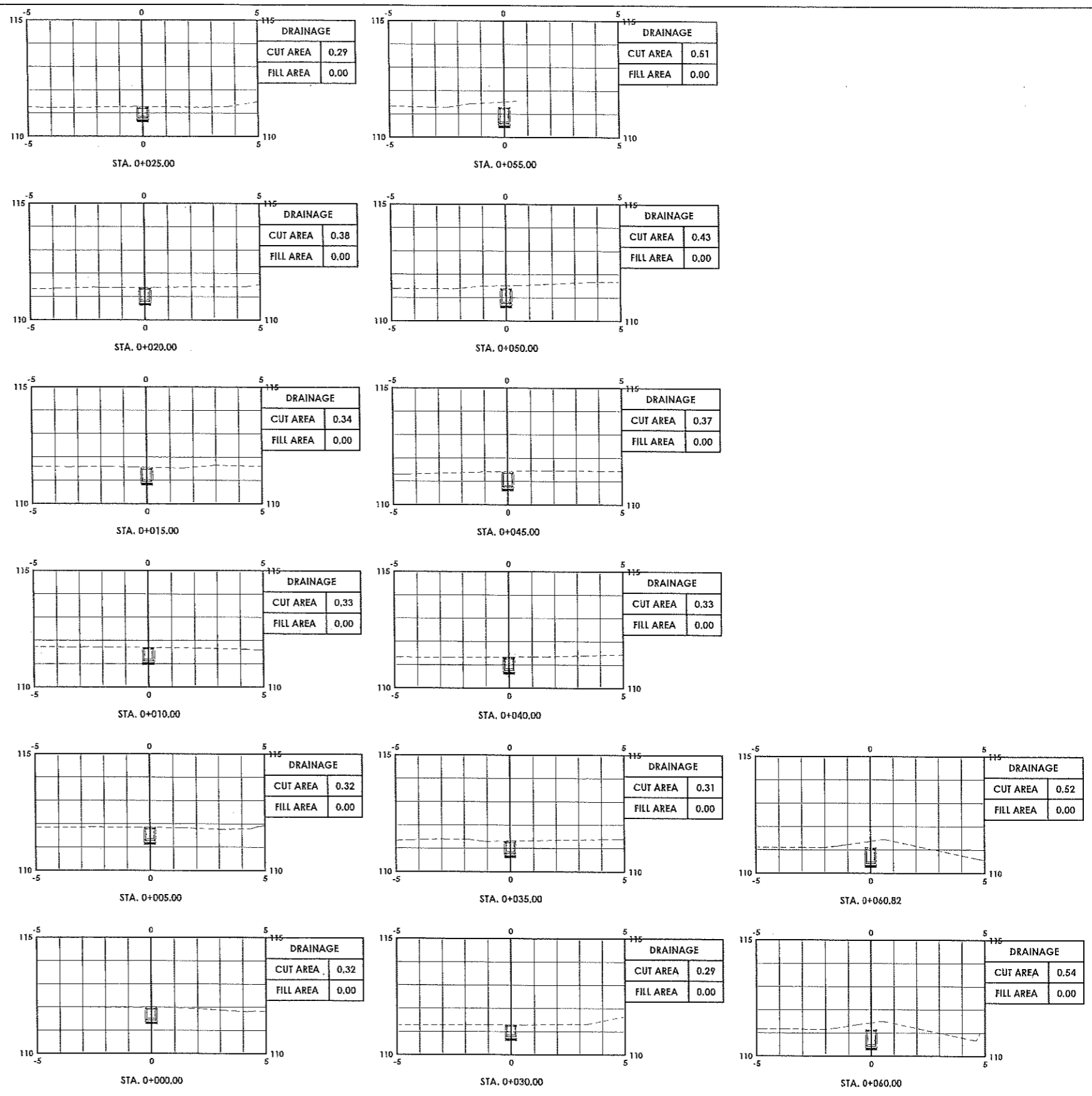
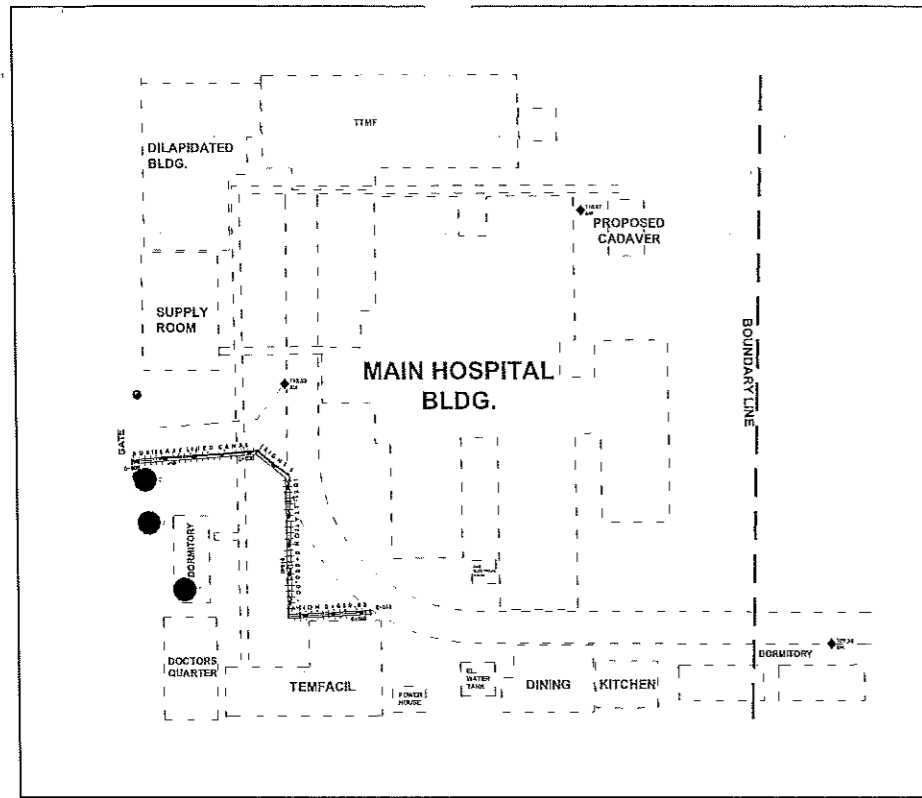
SURVEYED BY:
DONALD A. RELLO
ENGINEER I
DESIGNED & PREPARED BY:
RICHIN GRACE P. ZAMORA
ENGINEERING ASSISTANT

REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER IN
PLANNING AND PROGRAMMING DIVISION HEAD

RECOMMENDING APPROVAL:
LEONERIL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE ROMA CAGAS
PROVINCIAL GOVERNOR

SHEET No.:
S-3
03 07



DRAINAGE PROFILE
 AUXILIARY LINED CANAL (RIGHT SIDE)
 SCALE: H=1:150, V=1:450

DRAINAGE CROSS SECTION
 AUXILIARY LINED CANAL (RIGHT SIDE)
 SCALE: 1:200

DRAINAGE SCHEDULE		
STATION	LENGTH (m)	REMARKS
0+000.00 - 0+060.82	60.82	LINED CANAL WITH STEEL GRATING 300mm CLEAR BOTTOM WIDTH



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 SAN AGUSTIN, DIGOS CITY

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 LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR

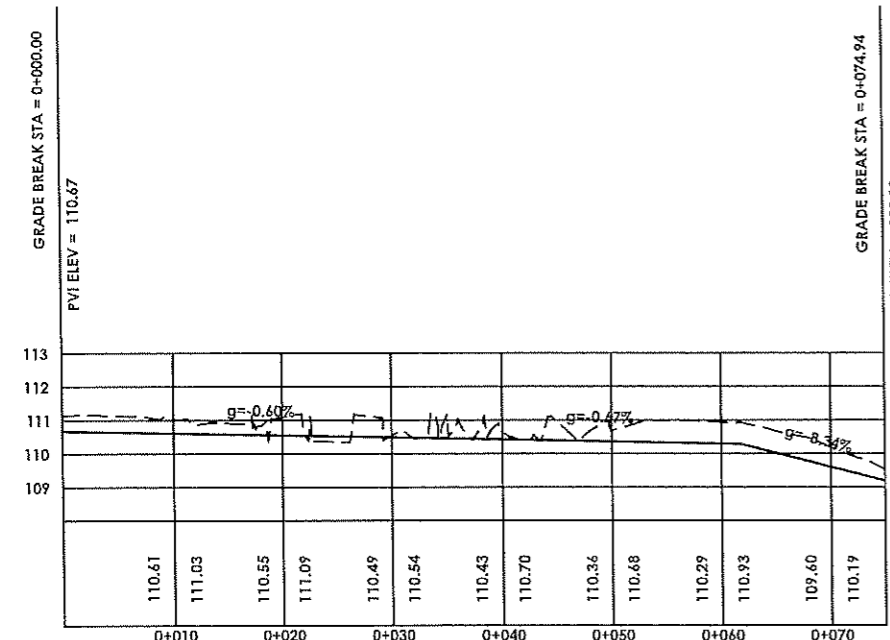
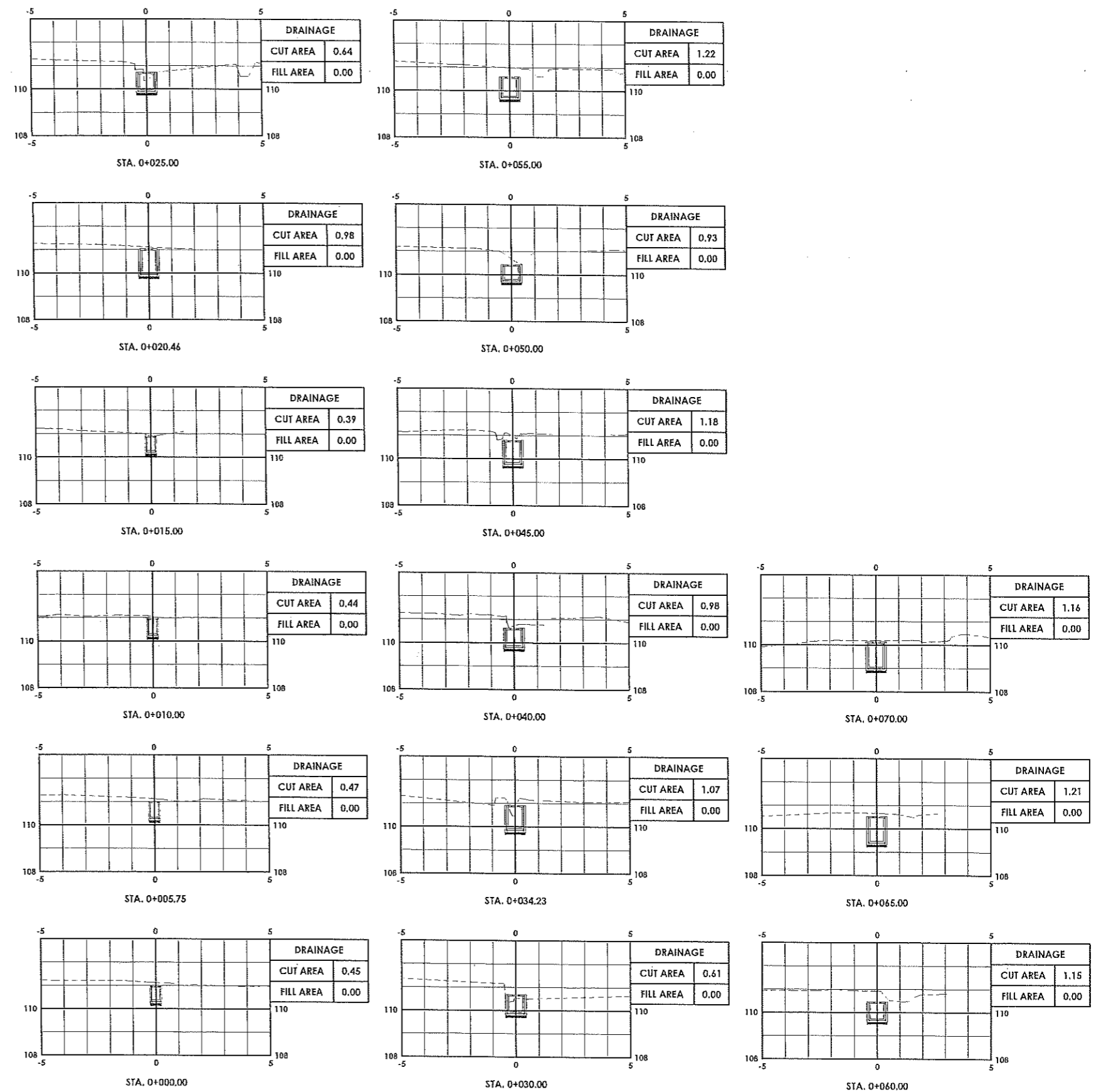
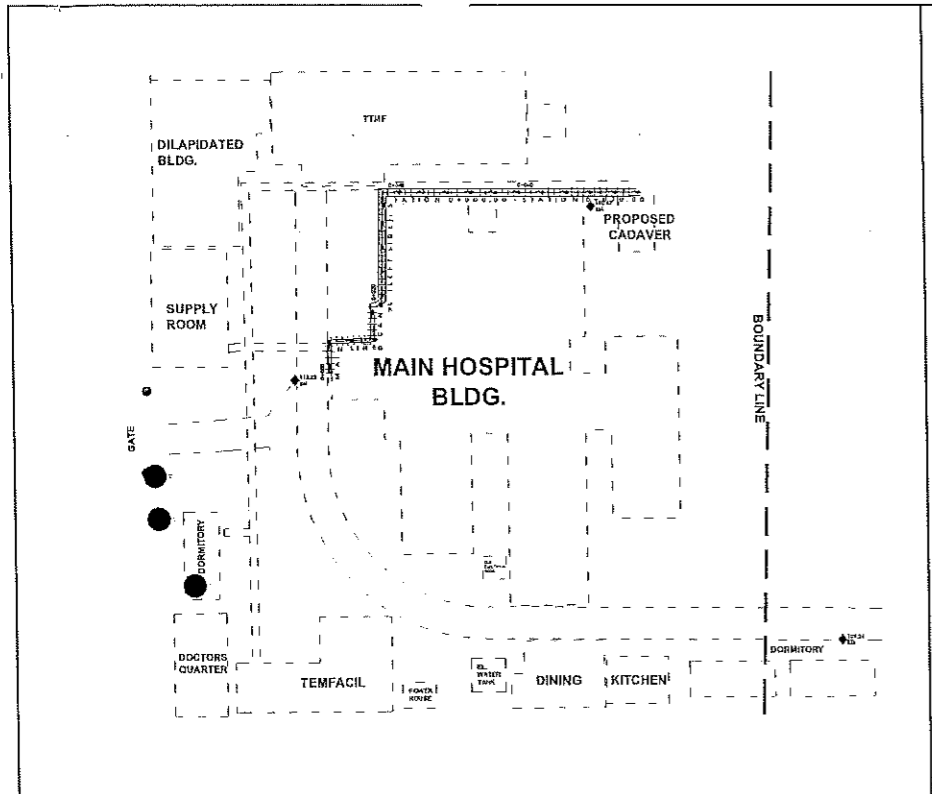
SURVEYED BY:
DONALD A. RELLO
 ENGINEER I
 DESIGNED & PREPARED BY:
RICHIN GRACE P. ZAMORA
 ENGINEERING ASSISTANT

REVIEWED BY:
JOSEPH R. GONZALES
 ENGINEER III
 PLANNING AND PROGRAMMING DIVISION HEAD

RECOMMENDING APPROVAL:
LEONERIL MARCH P. SUARIO
 PROVINCIAL ENGINEER

APPROVED BY:
YVONNE RONA CAGAS
 PROVINCIAL GOVERNOR

SHEET No.:
S-4
04 07



DRAINAGE PROFILE

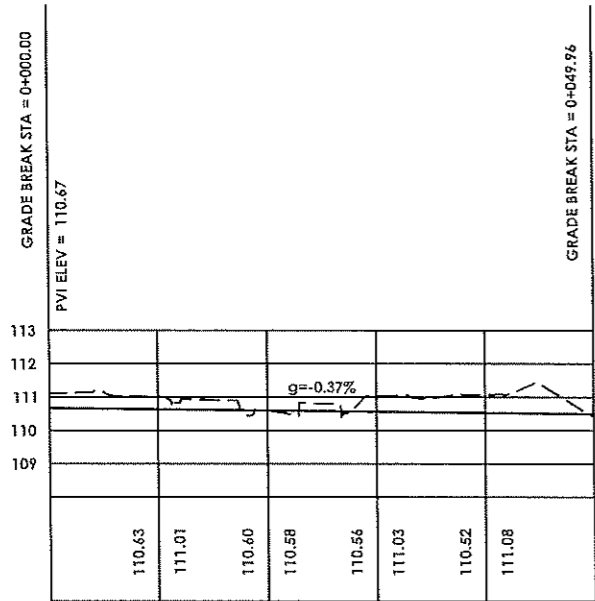
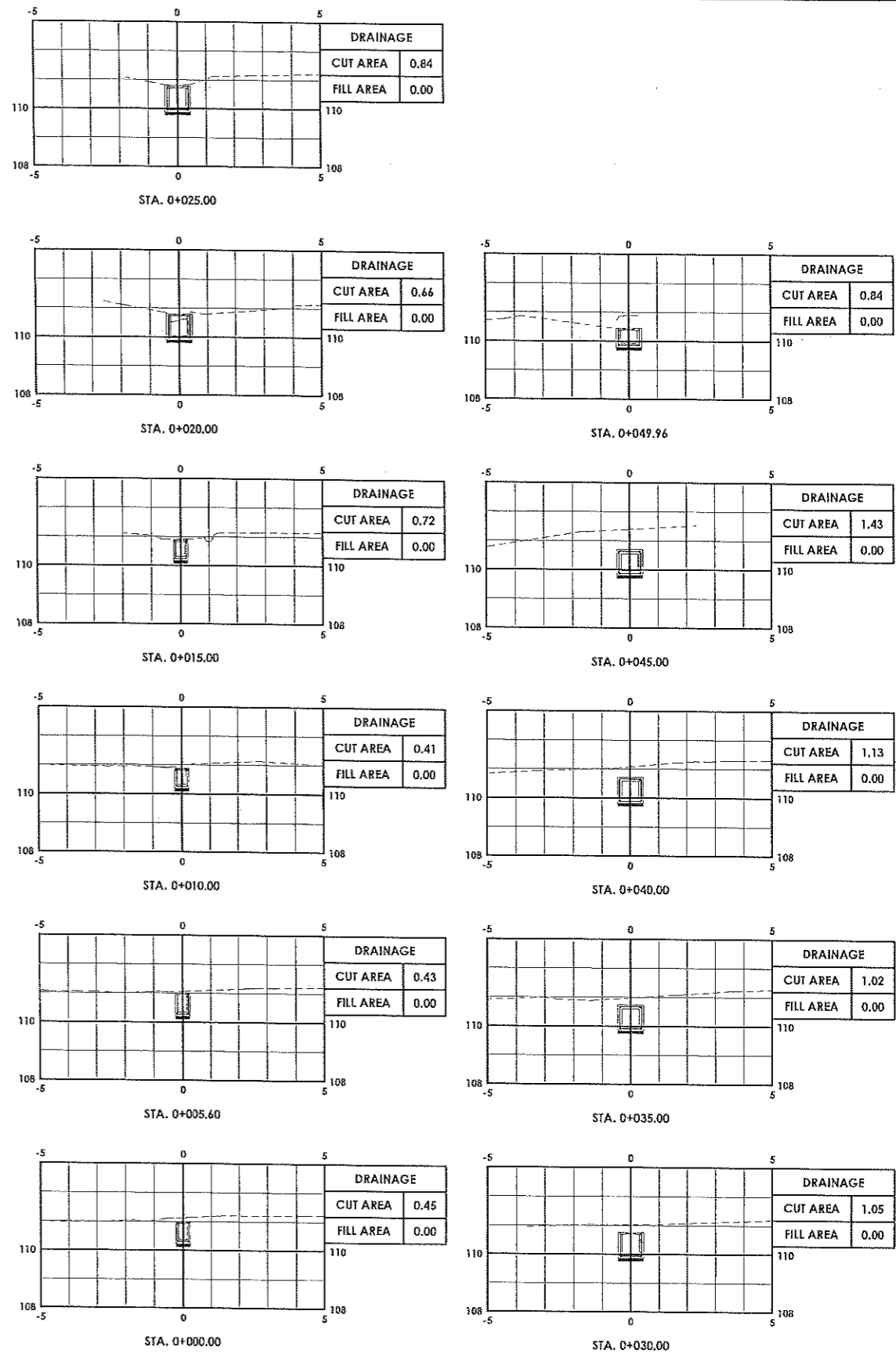
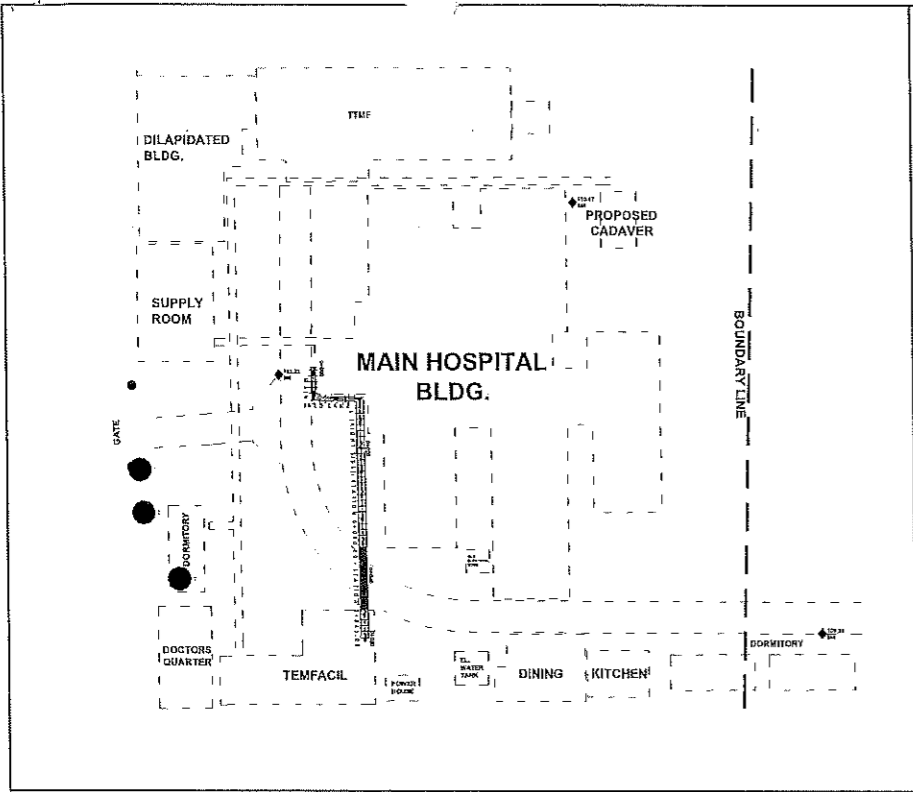
MAIN LINED CANAL (LEFT SIDE)
SCALE: H=1:150, V=1:450

DRAINAGE SCHEDULE		
STATION	LENGTH (m)	REMARKS
0+000.00 - 0+020.00	20.00	LINED CANAL WITH STEEL GRATING 300mm CLEAR BOTTOM WIDTH
0+020.00 - 0+070.00	50.00	LINED CANAL WITH STEEL GRATING 600mm CLEAR BOTTOM WIDTH

DRAINAGE CROSS SECTION

MAIN LINED CANAL (LEFT SIDE)
SCALE: 1:200

<p>REPUBLIC OF THE PHILIPPINES PROVINCE OF DAVAO DEL SUR PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY</p>	PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	SURVEYED BY: DONALD A. RELLO ENGINEER I	REVIEWED BY: JOSE R. GONZALES ENGINEER II PLANNING AND PROGRAMMING DIVISION HEAD	RECOMMENDING APPROVAL: LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE RONA CAGAS PROVINCIAL GOVERNOR	SHEET No.: S-5
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR	DESIGNED & PREPARED BY: RICHIN GRACE P. ZAMORA ENGINEERING ASSISTANT				



DRAINAGE PROFILE

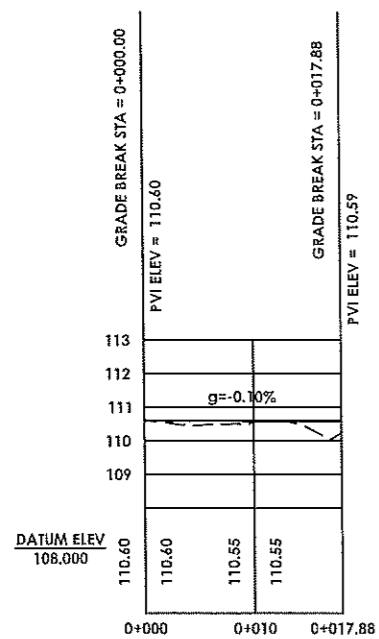
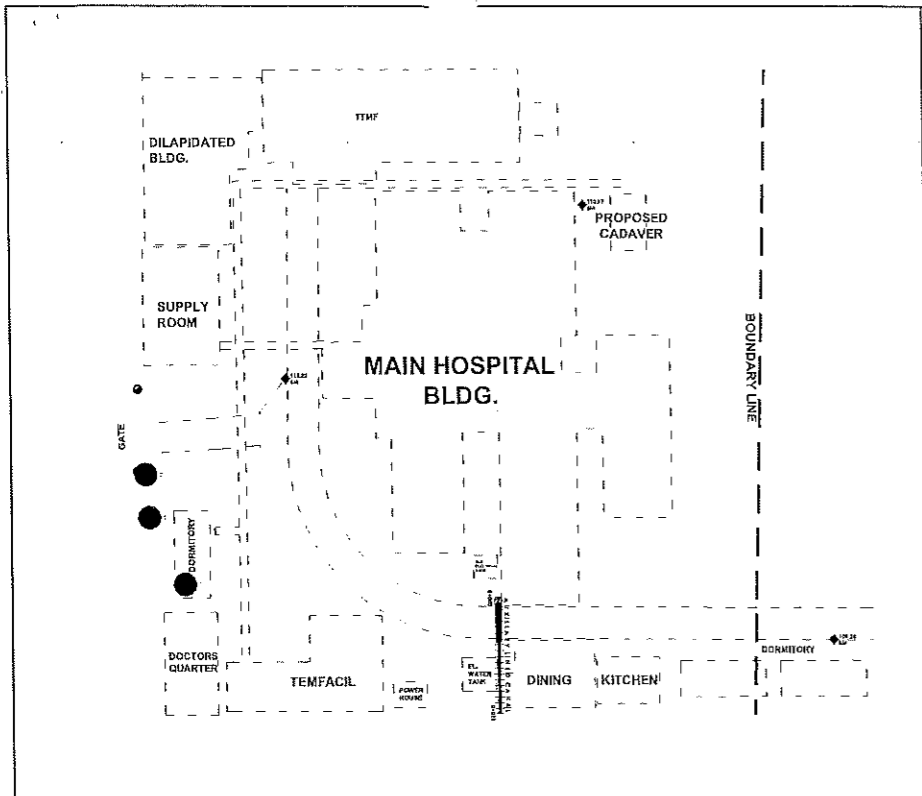
MAIN LINED CANAL (RIGHT SIDE)
SCALE: H=1:150, V=1:450

DRAINAGE SCHEDULE		
STATION	LENGTH (m)	REMARKS
0+000.00 - 0+015.00	15.00	LINED CANAL WITH STEEL GRATING 300mm CLEAR BOTTOM WIDTH
0+015.00 - 0+035.00	20.00	LINED CANAL WITH STEEL GRATING 400mm CLEAR BOTTOM WIDTH
0+035.00 - 0+045.00	10.00	ENCLOSED LINED CANAL 600mm CLEAR BOTTOM WIDTH
0+045.00 - 0+049.96	4.96	LINED CANAL WITH STEEL GRATING 600mm CLEAR BOTTOM WIDTH

DRAINAGE CROSS SECTION

MAIN LINED CANAL (RIGHT SIDE)
SCALE: 1:200

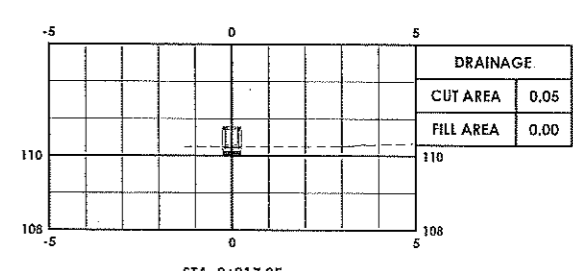
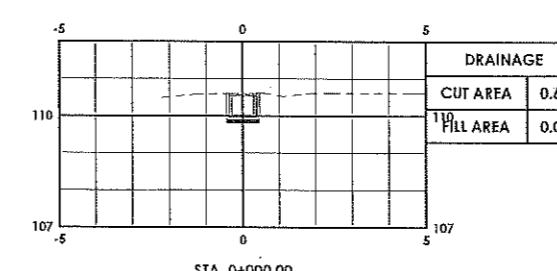
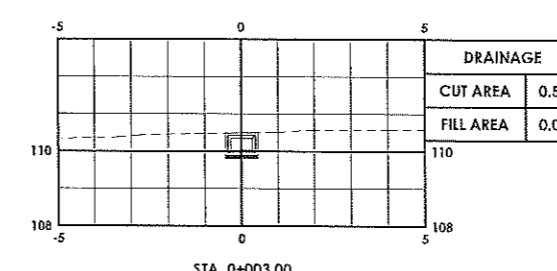
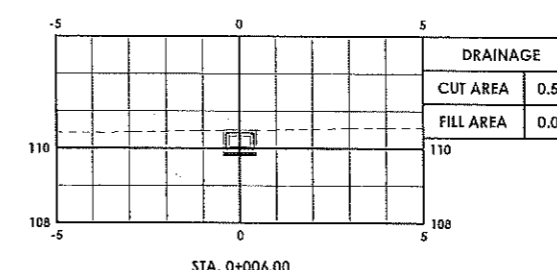
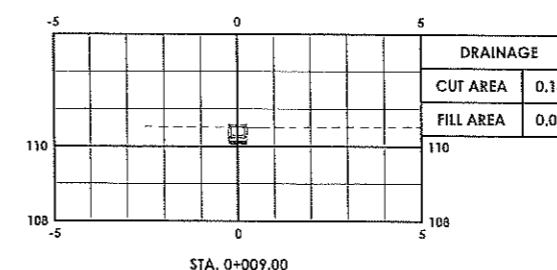
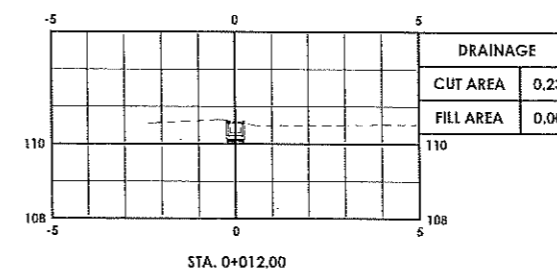
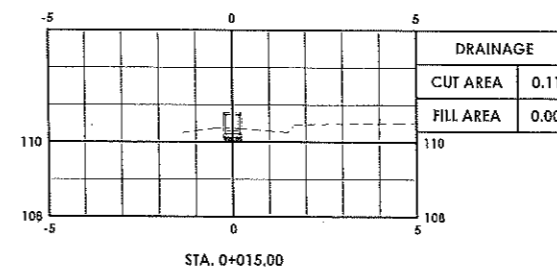
<p>REPUBLIC OF THE PHILIPPINES PROVINCE OF DAVAO DEL SUR PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY</p>	PROJECT TITLE: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	SURVEYED BY: DONALD A. RELLO ENGINEER I	REVIEWED BY: JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIVISION HEAD	RECOMMENDING APPROVAL: LEONER MARCH P. SUARIO PROVINCIAL ENGINEER	APPROVED BY: YVONNE RONA CAGAS PROVINCIAL GOVERNOR	SHEET No.: S-6
	LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR	DESIGNED & PREPARED BY: RICHINGRACE P. ZAMORA ENGINEERING ASSISTANT				



DRAINAGE PROFILE

AUXILIARY LINED CANAL
SCALE: H=1:150, V=1:450

DRAINAGE SCHEDULE		
STATION	LENGTH (m)	REMARKS
0+000.00 - 0+1.00	1.00	LINED CANAL WITH STEEL GRATING 600mm CLEAR BOTTOM WIDTH
0+01.00 - 0+07.00	6.00	ENCLOSED LINED CANAL 600mm CLEAR BOTTOM WIDTH
0+07.00 - 0+017.85	10.85	LINED CANAL WITH STEEL GRATING 300mm CLEAR BOTTOM WIDTH



DRAINAGE CROSS SECTION

AUXILIARY LINED CANAL
SCALE: 1:200



REPUBLIC OF THE PHILIPPINES
PROVINCE OF DAVAO DEL SUR
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)
LOCATION: POBLACION, KIBLAWAN, DAVAO DEL SUR

SURVEYED BY:
DONALD ARELLON
ENGINEER
DESIGNED & PREPARED BY:
RICHIN GRACE P. ZAMORA
ENGINEERING ASSISTANT

REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER III
PLANNING AND PROGRAMMING DIVISION HEAD

RECOMMENDING APPROVAL:
LEONERL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE ROMA CAGAS
PROVINCIAL GOVERNOR

SHEET No.:
S-7
07 07

7. LANDSCAPING



1 PERSPECTIVE
A-1 DRAWN NOT TO SCALE

TABLE OF CONTENTS

A.0	ARCHITECTURAL
A-1	PERSPECTIVE
A-2	SITE DEVELOPMENT PLAN
A-3	LANDSCAPE PLAN, LANDSCAPE LEGEND, LANDSCAPE DETAILS, TYPICAL SUBSTRATE FOR LANDSCAPE PLANTS

O.0	OTHER
O-1	SUMMARY OF QUANTITIES

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

OFFICE OF THE BUILDING
OFFICIAL

DISTRICT/CITY/MUNICIPALITY

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF
GREGORIO MATAS DISTRICT HOSPITAL
(GMDH)
LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

PREPARED BY:

ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:

JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

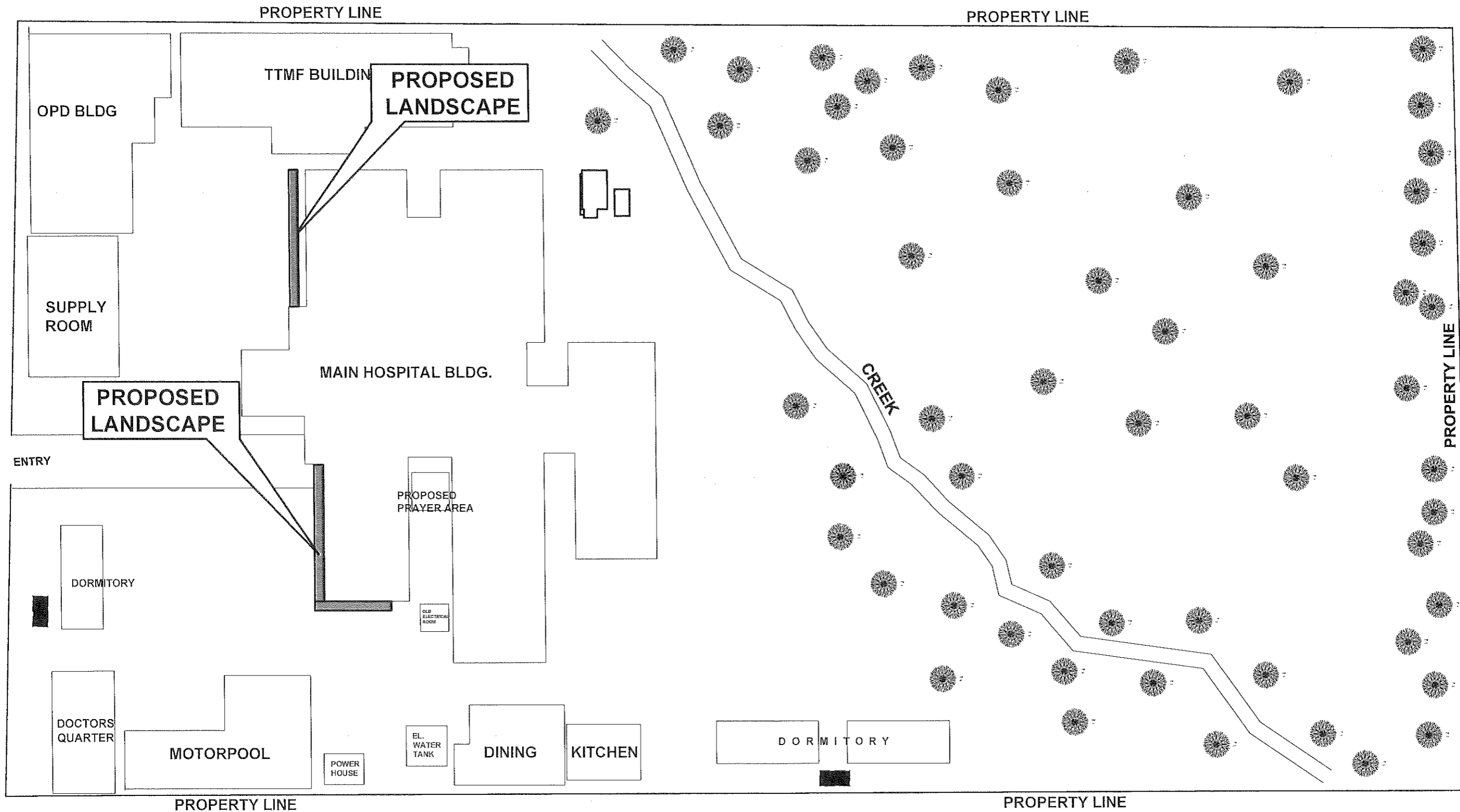
RECOMMENDING APPROVAL:

LEONER MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:

YVONNE ROMA CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-1
1 4



1 SITE DEVELOPMENT PLAN
A2 SCALE NTS



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF
GREGORIO MATAS DISTRICT HOSPITAL
(GMDH)
LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

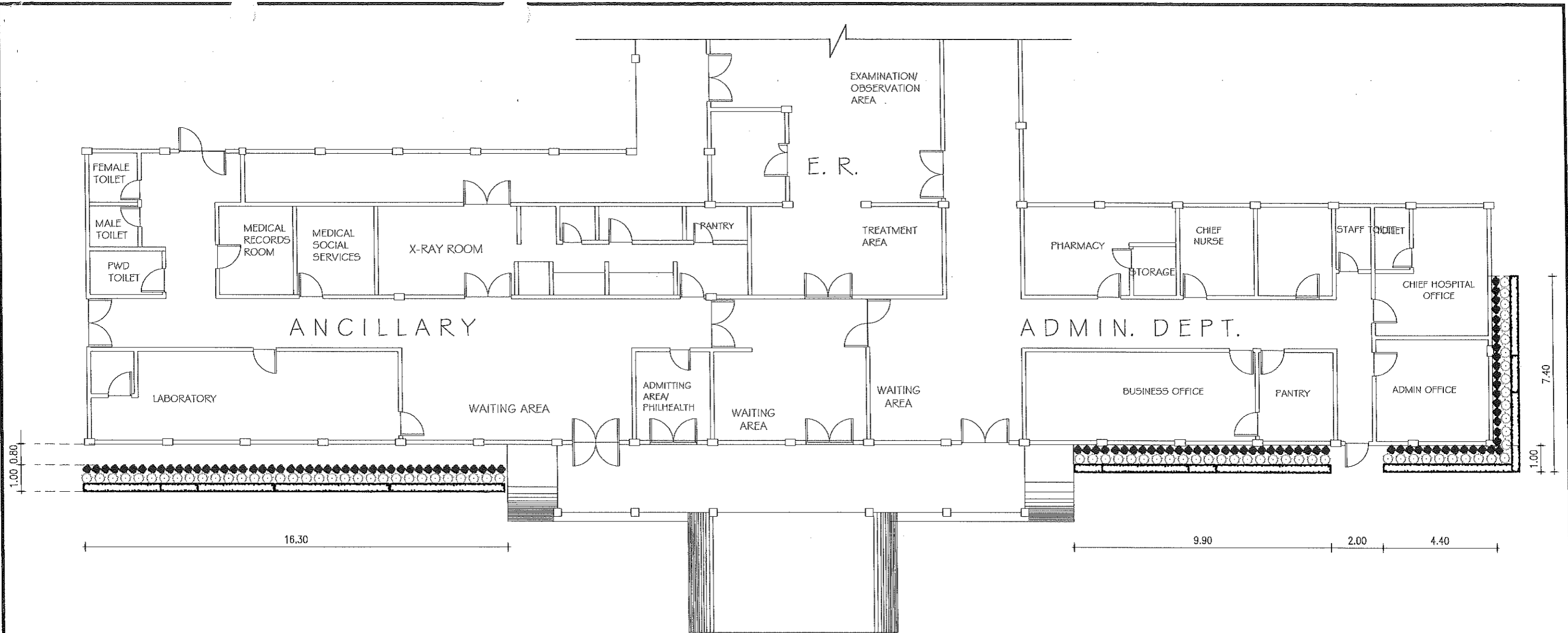
PREPARED BY:
ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD


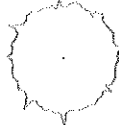

RECOMMENDING APPROVAL:
LEONER L. MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:
YVONNE ROSA CAGAS
PROVINCIAL GOVERNOR

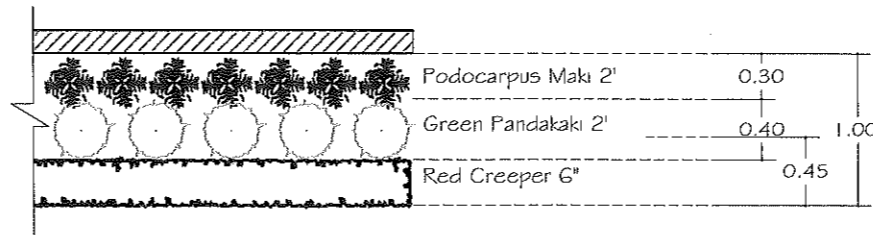
SHEET NO.:
A-2
2 4



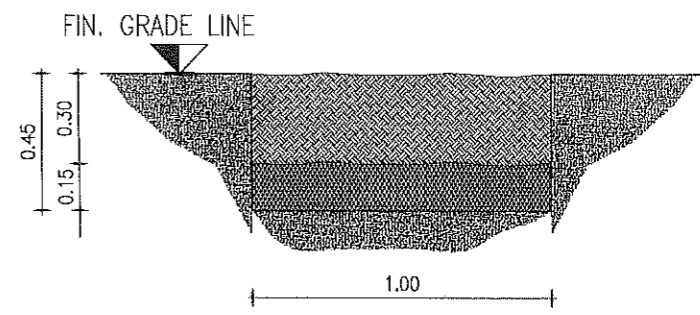
1 LANDSCAPE PLAN
A3 SCALE 1:150 M.

-  Podocarpus Maki 2' (PLANT 0.30M APART)
-  Green Pandakaki 2' (PLANT 0.40M APART)
-  Red Creeper 6" (Plant 4" apart)

2 LANDSCAPE LEGEND
A3 SCALE NTS



3 LANDSCAPE DETAILS
A3 SCALE 1:50M




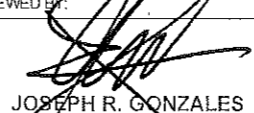
4 TYPICAL SUBSTRATE FOR LANDSCAPE PLANTS
A3 SCALE 1:25M





REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)
LOCATION:
POBLACION, KIBLAWAN, DAVAO DEL SUR

PREPARED BY:

ADNAN SHAMIR L. PIÑOL
ARCHITECT II

REVIEWED BY:

JOSEPH R. GONZALES
ENGINEER - III
PLANNING AND PROGRAMMING DIV. HEAD

RECOMMENDING APPROVAL:

LEONERL MARCH P. SUARIO
PROVINCIAL ENGINEER

APPROVED BY:

YVONNE ROMO CAGAS
PROVINCIAL GOVERNOR

SHEET NO.:
A-3
3 4


ITEM NO.	DESCRIPTION	%	QTY.	UNIT
PART C	EARTHWORK			
803(1)a	Structure Excavation	1.05	17.10	cu.m.
TOTAL OF PART C		1.05		
PART E	FINISHINGS AND OTHER CIVIL WORKS			
SPL	Landscaping	98.95	38.00	sqm
TOTAL OF PART E		98.95		

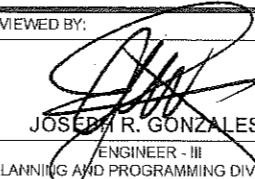
1 **SUMMARY OF QUANTITIES**
 0-1 SCALE NTS

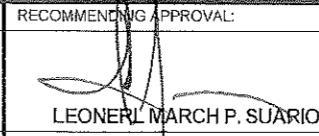



REPUBLIC OF THE PHILIPPINES
PROVINCIAL ENGINEER'S OFFICE
 SAN AGUSTIN, DIGOS CITY, DAVAO DEL SUR

PROJECT TITLE:
**CONSTRUCTION AND IMPROVEMENT OF
 GREGORIO MATAS DISTRICT HOSPITAL
 (GMDH)**
 LOCATION:
 POBLACION, KIBLAWAN, DAVAO DEL SUR

PREPARED BY:

ADNAN SHAMIR L. PIÑOL
 ARCHITECT II

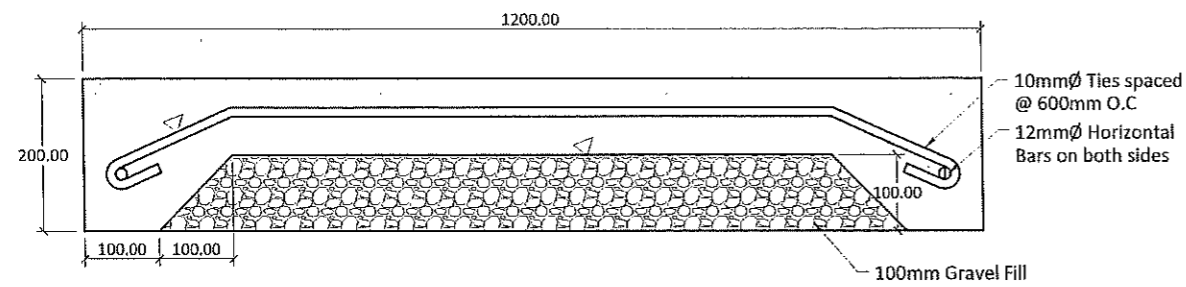
REVIEWED BY:

JOSEPH R. GONZALES
 ENGINEER - III
 PLANNING AND PROGRAMMING DIV. HEAD

RECOMMENDING APPROVAL:

LEONERL MARCH P. SUARIO
 PROVINCIAL ENGINEER

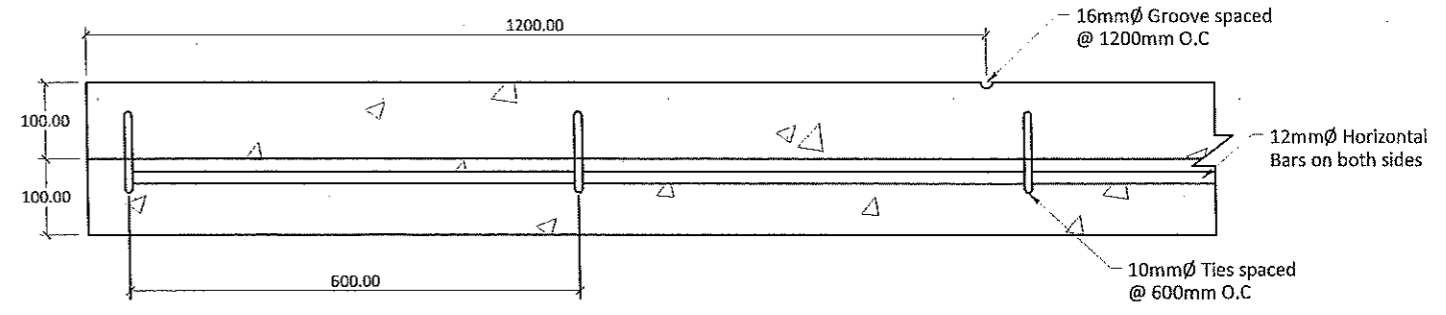
APPROVED BY:

YVONNE ROMA CAGAS
 PROVINCIAL GOVERNOR

SHEET NO.:
 0-1
 4 4

8. CONCRETE PATHWAY

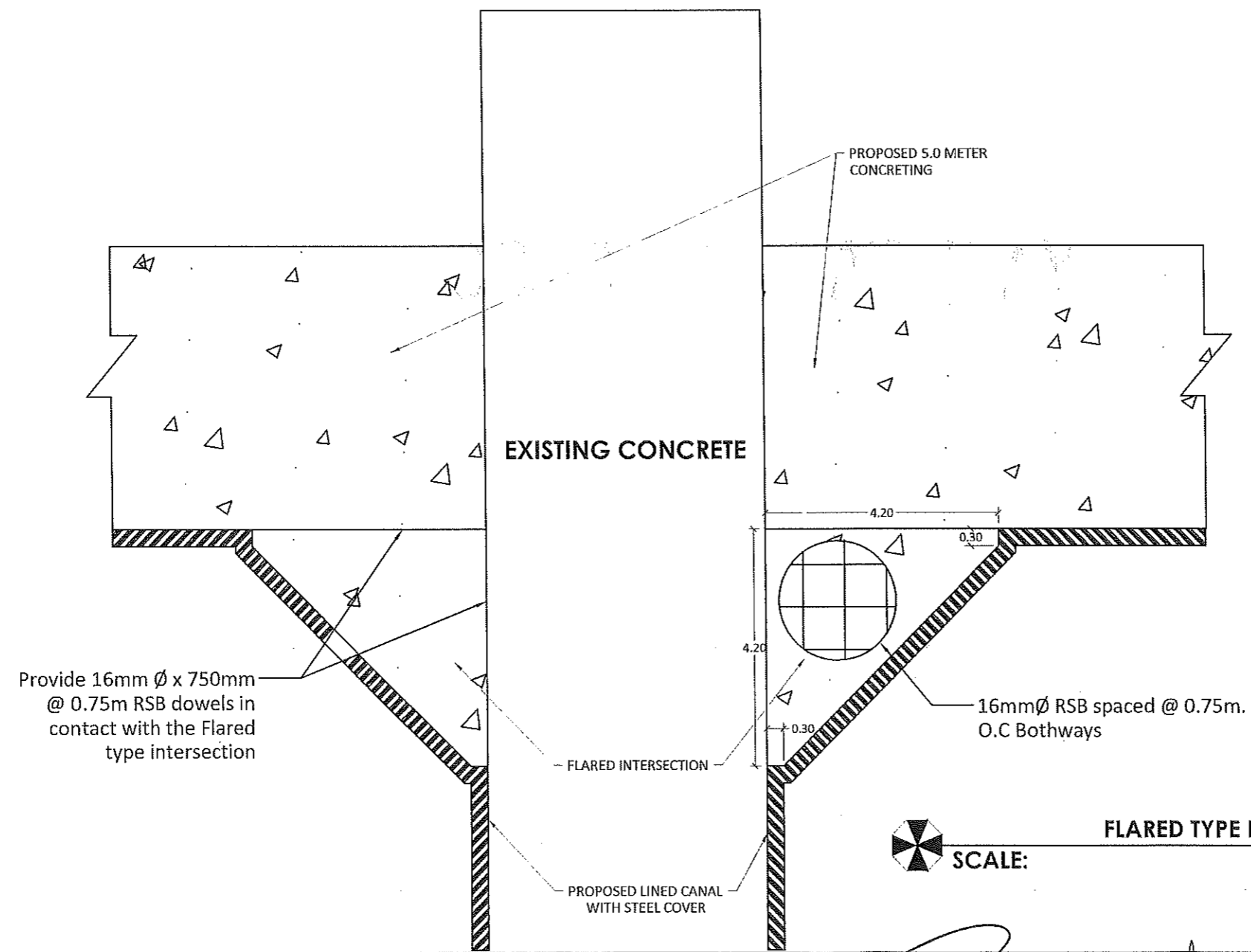


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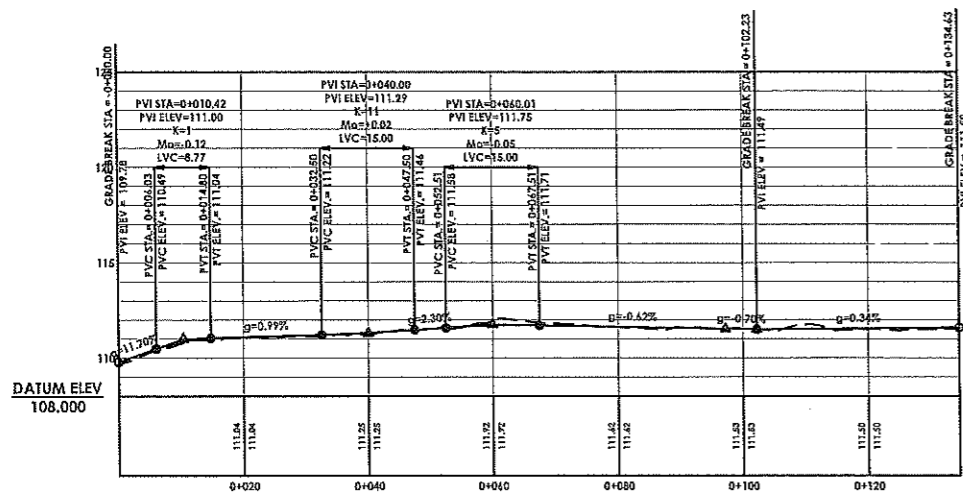
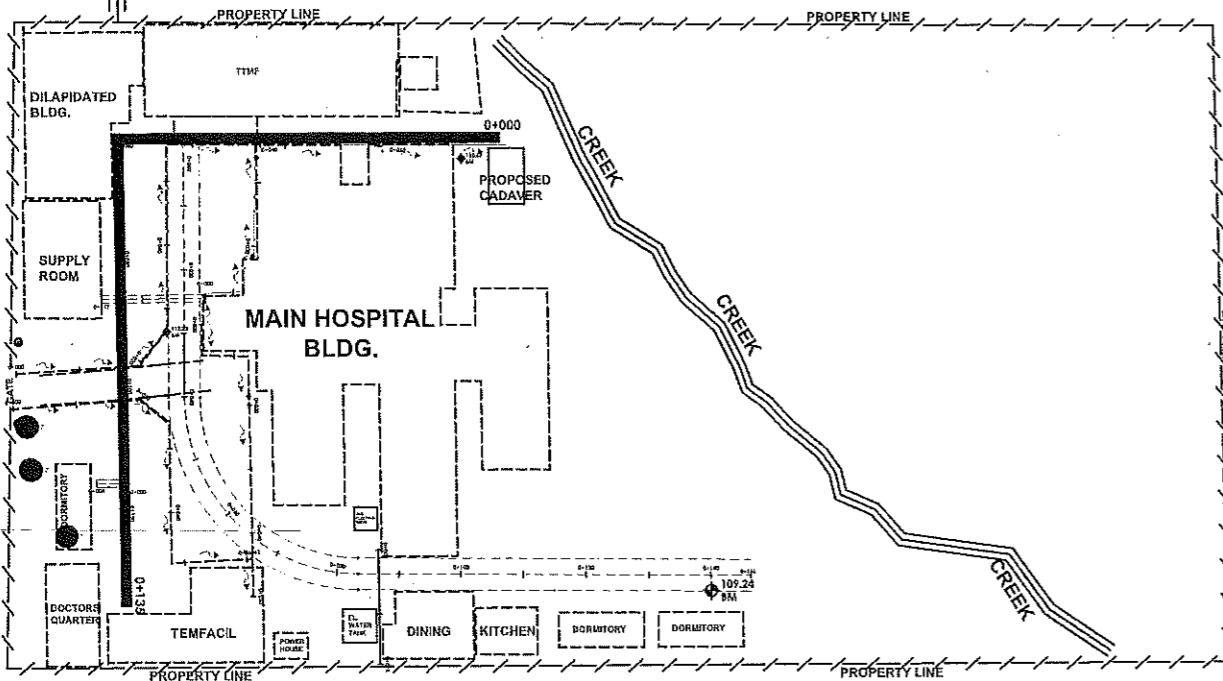
LONGITUDINAL DETAIL

TYPICAL PLAN OF CONCRETE PATHWAY
SCALE: 1:10m



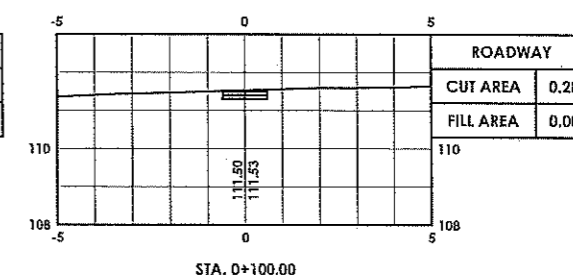
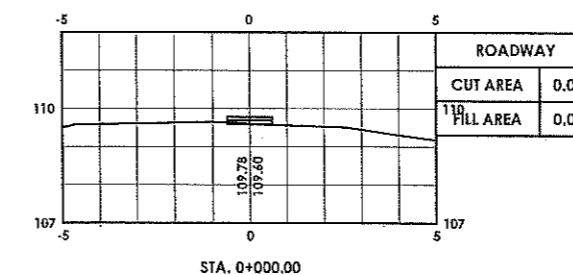
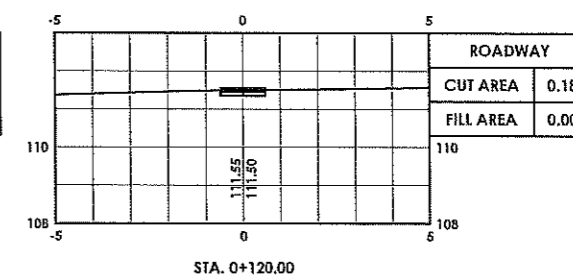
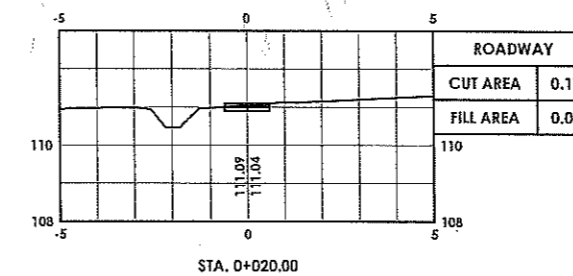
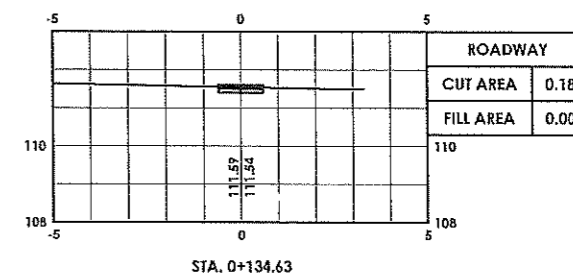
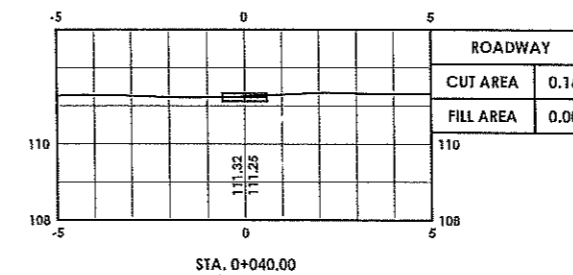
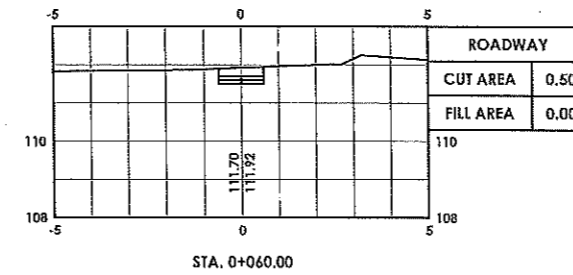
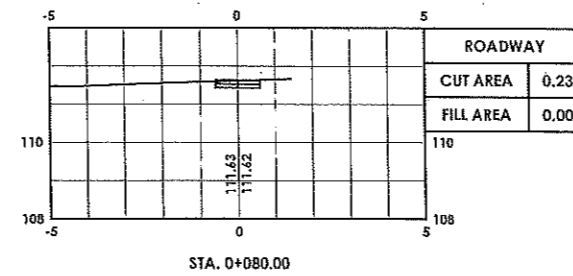
FLARED TYPE INTERSECTION DETAILS
SCALE: 1:100m

<p>REPUBLIC OF THE PHILIPPINES PROVINCE OF DAVAO DEL SUR PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY</p>	PROJECT TITLE:	SURVEYED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET No.: S-1 1 3
	CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	DESIGNED & PREPARED BY: EL MARK D. TAYABAS ENGINEER I	JOSEPH R. GONZALES ENGINEER III PLANNING AND PROGRAMMING DIVISION HEAD	LEONER L. MARCH P. SUARIO PROVINCIAL ENGINEER	YVONNE RONA CAGAS PROVINCIAL GOVERNOR	
	LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR					



*NOTE:
VERTICAL EXAGGERATION= 3.0

PATHWAY PLAN AND PROFILE 1
SCALE: 1:1200m



PATHWAY CROSS SECTIONS 1
SCALE: 1:200m



REPUBLIC OF THE PHILIPPINES
PROVINCE OF DAVAO DEL SUR
PROVINCIAL ENGINEER'S OFFICE
SAN AGUSTIN, DIGOS CITY

PROJECT TITLE:
CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)

LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR

SURVEYED BY:
DONALD A. RELLON
ENGINEER I

DESIGNED & PREPARED BY:
EL MARK D. AYABAS
ENGINEER I

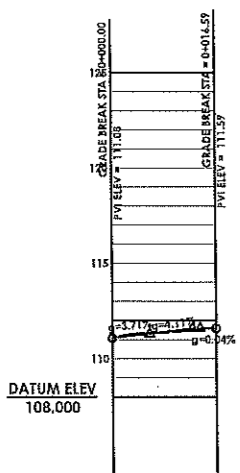
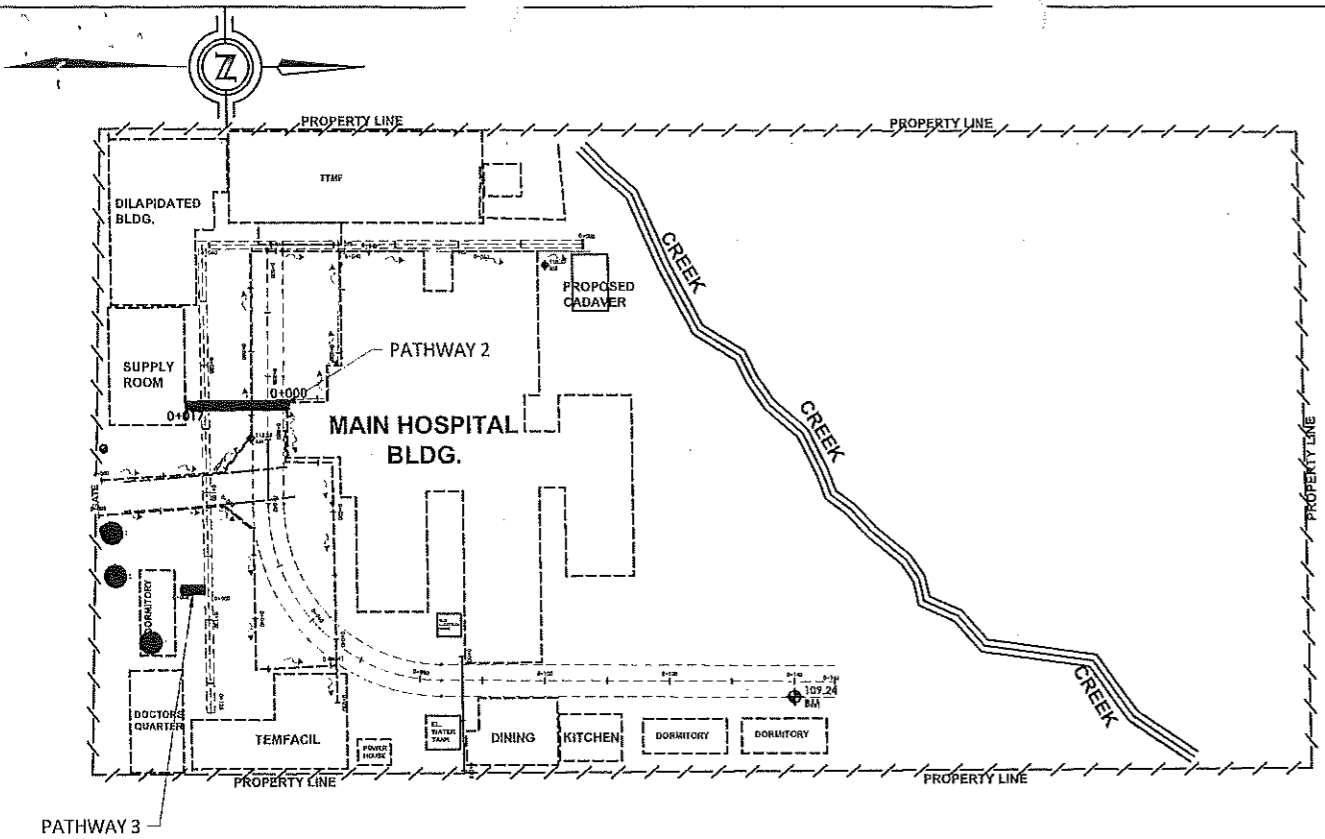
REVIEWED BY:
JOSEPH R. GONZALES
ENGINEER III
PLANNING AND PROGRAMMING DIVISION HEAD

RECOMMENDING APPROVAL:
LEONERIL MARCH P. SUARIO
PROVINCIAL ENGINEER

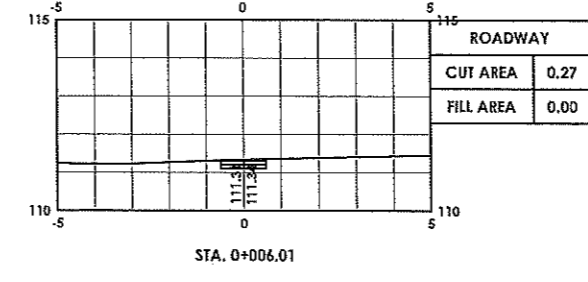
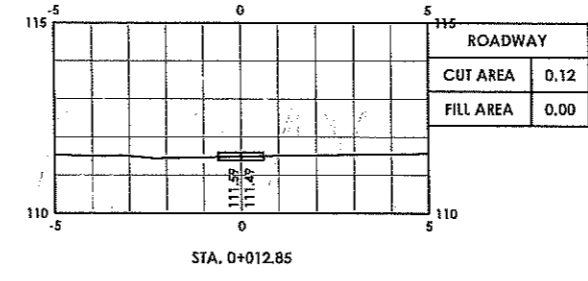
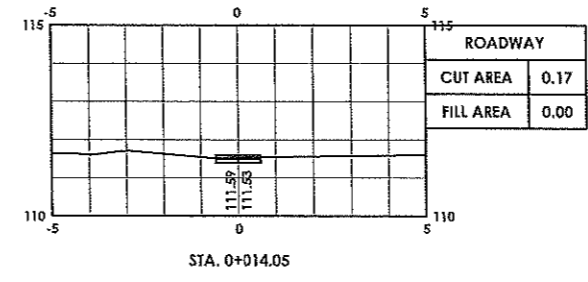
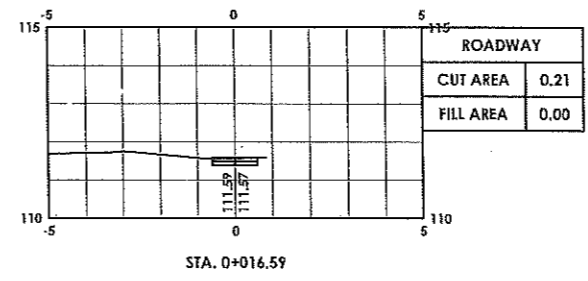
APPROVED BY:
YVONKE ROKIA CAGAS
PROVINCIAL GOVERNOR

SHEET No.:
S-2

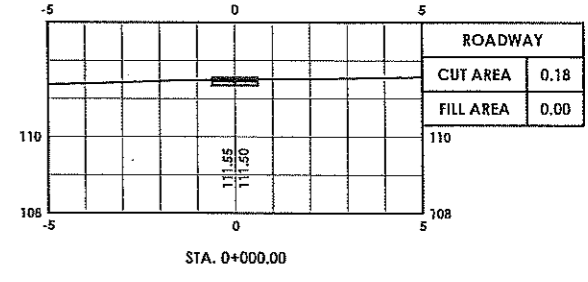
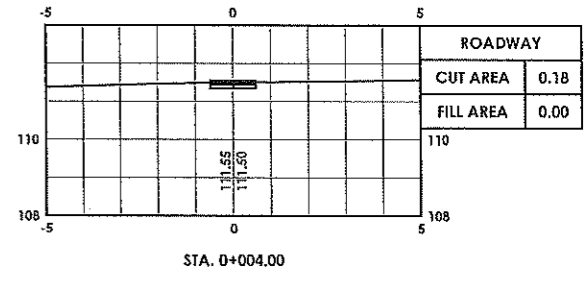
2 3



PATHWAY PLAN AND PROFILE 2
SCALE: 1:1200m



PATHWAY CROSS SECTIONS 2
SCALE: 1:200m



PATHWAY CROSS SECTIONS 3
SCALE: 1:200m

<p>REPUBLIC OF THE PHILIPPINES PROVINCE OF DAVAO DEL SUR PROVINCIAL ENGINEER'S OFFICE SAN AGUSTIN, DIGOS CITY</p>	PROJECT TITLE:	SURVEYED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET No. S-3 3 3	
	CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL (GMDH)	DESIGNED & PREPARED BY:	EL MARK D. TAYABAS ENGINEER I	JOSEPH V. BONZALES ENGINEER III PLANNING AND PROGRAMMING DIVISION HEAD	LEONERL MARCH P. SUARIO PROVINCIAL ENGINEER		YVONNE ROMA CAGAS PROVINCIAL GOVERNOR
	LOCATION: POBLACION KIBLAWAN, DAVAO DEL SUR						

SECTION VIII.

BILL OF QUANTITIES

[See attached file.]

H

BILL OF QUANTITIES

Contract Name

: **CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATIAS DISTRICT HOSPITAL**

Location of the Contract

: **POBLACION, KIBLAWAN, DAVAO DEL SUR**

Project Duration

: **180 Calendar Days**

SUMMARY OF BID PRICES
(All Parts of Bill of Quantities)

1. Part No. - Enter the "Part No. " for each section of the bill of Quantities (BOQ) where unit prices are entered.
2. Part Description - Enter the "Part Description" corresponding to the "Part No. "
3. Total Amount - Enter the "total amount" in Pesos for all pages having the same "Part Description".
4. Adopting Green Procurement Policy by SBAC Resolution No. 140 series of 2019.

Contract ID:	
1. SEPTIC TANK FOR DORMITORIES (3 DORMS)	
Part No.	Part Description
B.3	Permits and Clearances
B.5	Project Billboard/Signboard
B.7	Occupational Safety and Health
B.9	Mobilization / Demobilization
803(1)a	Structure Excavation, (Common Soil)
903(2)	Formworks and Falseworks
1001(11)	Septic Vault
2. CONCRETE ROAD	
Part No.	Part Description
100(1)	Clearing & Grubbing (with Striping)
102(2)	Surplus Common Excavation
104(1)a	Embankment from roadway excavation (Common Soil)
105(1)a	Subgrade Preparation (Common Material)
200(1)	Aggregate Subbase Course
311(1)b1	Portland Cement Concrete Pavement (Unreinforced), 200mm thk.
3. PERIMETER FENCE WITH SOLAR LIGHTS	
Part No.	Part Description
800 (2)	Clearing and Grubbing
803 (1)a	Structure Excavation (Common Soil)
804 (4)	Gravel Fill
900 (2)c	Structural Concrete, Class A, 3000 psi, 28 days
902 (1)a1	Reinforcing Steel (Deformed) Grade 40
903 (2)	Formworks and Falseworks
1046(2)a1	CHB Non Load Bearing (Including Reinforcing Steel), 1000mm
1027 (1)	Cement Plaster Finish
1047(1)	Structural Steel
1032(1)a	Painting Works, Masonry/Concrete
1032(1)c	Painting Works, Steel
624(8)	Solar LED Street Light (Integrated Street Light)
4. CADAVER HOLDING AREA	
Part No.	Part Description
800(2)	Clearing and Grubbing
803(1)a	Structure Excavation, (Common Soil)
804(7)	Gravel Fill
900(1)c	Structural Concrete ,Class A, 3000 psi, 28 days
902 (1)a1	Reinforcing Steel (Deformed) Grade 40
903 (2)	Formworks and Falseworks
1001(11)	Septic Vault
1002(4)	Plumbing Fixtures
1002(24)	Cold Water Lines
1002(27)	Plumbing Works
1003(1)b1	4.5mm Fiber Cement Board on Metal Frame Ceiling
1003(2)f	Wall, Metal Cladding
1003 (17)	Carpentry & Joinery Works
1008(1)a	Aluminum Glass Window (Sliding Type)
1010(1)	Frames (Jambos, Sills, Head Transoms and Mullions)
1010(2)b	Doors (Wood Panel)
Total Amount	

1013 (2) a1	Fabricated Metal Roofing Accessory (Gauge 26 (0.551 mm), Ridge Roll)	P	
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	P	
1018 (5)	Glazed Tiles	P	
1027(1)	Cement Plaster Finish	P	
1032(1)a	Painting Works, Masonry/Concrete	P	
1032(1)b	Painting Works, Wood	P	
1032(1)c	Painting Works, Metal	P	
1038(1)	Reflective Insulation	P	
1046(2)a1	CHB Non-Load Bearing(Including reinforcing Steel),100mm	P	
1047 (1)	Structural Steel	P	
1100 (10)	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	P	
1101(33)	Wires and Wiring Devices	P	
1102 (1)	Panelboard with Main & Branch Breakers	P	
1103 (1)	Lighting Fixtures	P	

5. PRAYER ROOM

Part No.	Part Description		Total Amount
803(1)a	Structure Excavation (Common Soil)	P	
804(7)	Gravel Fill	P	
900(1)c	Structural Concrete, Class A, 3000 psi, 28 days	P	
902(1)a1	Reinforcing Steel (Deformed), Grade 40	P	
903(2)	Formworks and Falseworks	P	
1003(2)f	Wall, Metal Cladding	P	
1003(2)7	Carpentry and Joinery Works	P	
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	P	
1018(2)	Unglazed Tiles	P	
1032(1)b	Painting Works, Wood	P	
1032(1)c	Painting Works, Steel	P	
1047(1)	Structural Steel	P	
SPL-1	Acrylic Signages	P	

6. DRAINAGE/CANAL WITH COVER

Part No.	Part Description		Total Amount
103(1)	Structure Excavation	P	
404(1)a	Reinforcing Steel Bar, Grade 40 (Minor Structures)	P	
405(1)c1	Structural Concrete Class "B" (7 days)	P	
503(1)	Metal Frame and Grating	P	

7. LANDSCAPING

Part No.	Part Description		Total Amount
803(1)a	Structure Excavation	P	
SPL	Landscaping	P	

8. CONCRETE PATHWAY

Part No.	Part Description		Total Amount
800(2)	Cleaning & Grubbing	P	
802(2)	Surplus Common Excavation	P	
804(4)	Gravel fill	P	
900(1)b1	Structural Concrete, Class A, 14 Days	P	
902(1)a	Reinforcing Steel (Deformed), Grade 40	P	

Total of All Amounts		P	
Total of All Amounts in Words:			
PESOS			
		and	centavos

Name : _____ In capacity of _____

Signed : _____ Date _____

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

Contract Name : CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract : POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration : 180 Calendar Days

BILL OF QUANTITIES

1. SEPTIC TANK FOR DORMITORIES (3 DORMS)

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
B.3	Permits and Clearances	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
B.5	Project Billboard/Signboard	each	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
B.7	Occupational Safety and Health	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
B.9	Mobilization / Demobilization	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
803(1)a	Structure Excavation, (Common Soil)	cu.m.	39.90	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Name of the Representative of the Bidder _____

Date : _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

1. SEPTIC TANK FOR DORMITORIES (3 DORMS)

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1					
903(2)	Formworks and Falseworks	sq.m.	21.00		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
				_____	_____
				_____	_____
				_____	_____
				_____	_____
				_____	_____
				_____	_____
1001(11)	Septic Vault	ls.	1.00		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
				_____	_____
				_____	_____
				_____	_____
				_____	_____
				_____	_____

Submitted by: _____

Name of the Representative of the Bidder _____

Date : _____

Position _____

Name of Bidder _____

Contract Name : CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract : POBLACION, KIBLAWAN, DAVAO DEL SUR
 Project Duration : 180 Calendar Days

BILL OF QUANTITIES

2. CONCRETE ROAD

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
100(1)	Clearing & Grubbing (with Stripping)	ha.	0.045	In words: _____ In figures: _____	In words: _____ In figures: _____
102(2)	Surplus Common Excavation	cu.m.	245.53	In words: _____ In figures: _____	In words: _____ In figures: _____
104(1)a	Embankment from roadway excavation (Common Soil)	cu.m.	15.34	In words: _____ In figures: _____	In words: _____ In figures: _____
105(1)a	Subgrade Preparation (Common Material)	sq.m.	598.15	In words: _____ In figures: _____	In words: _____ In figures: _____
200(1)	Aggregate Subbase Course	cu.m.	145.85	In words: _____ In figures: _____	In words: _____ In figures: _____
311(1)b1	Portland Cement Concrete Pavement (Unreinforced), 200mm thk.	sq.m.	729.23	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Name of the Representative of the Bidder _____

Position _____

Name of Bidder _____

Date : _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

3. PERIMETER FENCE WITH SOLAR LIGHTS

Part No. _____

1	2	3	4	5	6
Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
800 (2)	Clearing and Grubbing	ls.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
803 (1)a	Structure Excavation (Common Soil)	cu.m.	104.26	In words: _____ In figures: _____	In words: _____ In figures: _____
804 (4)	Gravel Fill	cu.m.	12.20	In words: _____ In figures: _____	In words: _____ In figures: _____
900 (1)c	Structural Concrete, Class A, 3000 psi, 28 days	cu.m.	46.71	In words: _____ In figures: _____	In words: _____ In figures: _____
902 (1)a1	Reinforcing Steel (Deformed) Grade 40	kg.	4289.61	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Date : _____

Name of the Representative of the Bidder _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract
Project Duration

: POBLACION, KIBLAWAN, DAVAO DEL SUR
: 180 Calendar Days

BILL OF QUANTITIES

3. PERIMETER FENCE WITH SOLAR LIGHTS

:

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
903 (2)	Formworks and Falseworks	sq.m.	373.86	In words: _____ In figures: _____	In words: _____ In figures: _____
1046(2)a1	CHB Non Load Bearing (including Reinforcing Steel), 100 mm	sq.m.	623.18	In words: _____ In figures: _____	In words: _____ In figures: _____
1027 (1)	Cement Plaster Finish	sq.m.	1,510.76	In words: _____ In figures: _____	In words: _____ In figures: _____
1047(1)	Structural Steel	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1032(1)a	Painting Works, Masonry/Concrete	sq.m.	1510.76	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by:

Name of the Representative of the Bidder

Date

Position

Name of Bidder

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

3. PERIMETER FENCE WITH SOLAR LIGHTS

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1				5	6
1032(1)c	Painting Works, Steel	sq.m.	236.06	In words: _____ In figures: _____	In words: _____ In figures: _____
624(8)	Solar LED Street Light (Integrated Street Light)	each	34.00	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Name of the Representative of the Bidder _____

Date : _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

4. CADAVER HOLDING AREA

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
800(2)	Clearing and Grubbing	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
803(1)a	Structure Excavation, (Common Soil)	cu.m.	7.95	In words: _____ In figures: _____	In words: _____ In figures: _____
804(7)	Gravel Fill	cu.m.	8.02	In words: _____ In figures: _____	In words: _____ In figures: _____
900(1)c	Structural Concrete, Class A,3000 psi, 28 Days	cu.m.	11.76	In words: _____ In figures: _____	In words: _____ In figures: _____
902(1)a1	Reinforcing Steel (Deformed) Grade 40	kgs.	839.03	In words: _____ In figures: _____	In words: _____ In figures: _____
903(2)	Formworks and Falseworks	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Date : _____

Name of the Representative of the Bidder _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

4. CADAVER HOLDING AREA

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
1001(14)	Septic Vault	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1002(4)	Plumbing Fixtures	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1002(24)	Cold Water Lines	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1002(27)	Plumbing Works	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1003(1)bl	4.5mm Fiber Cement Board on Metal Frame Ceiling	sq.m.	68.34	In words: _____ In figures: _____	In words: _____ In figures: _____
1003(2)f	Wall, Metal Cladding	sq.m.	7.86	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Name of the Representative of the Bidder _____

Date : _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

4. CADAVER HOLDING AREA

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
1003 (17)	Carpentry & Joinery Works	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1008(1)a	Aluminum Glass Window (Sliding Type)	sq.m.	4.32	In words: _____ In figures: _____	In words: _____ In figures: _____
1010(1)	Frames (Jambs, Sills, Head Transoms and Mullions)	set	6.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1010(2)b	Doors (Wood Panel)	sq.m.	2.73	In words: _____ In figures: _____	In words: _____ In figures: _____
1013 (2) a1	Fabricated Metal Roofing Accessory (Gauge 26 (0.551 mm), Ridge Roll)	sq.m.	10.30	In words: _____ In figures: _____	In words: _____ In figures: _____
1014(1)b2	Pre-painted Metal Sheets, above 0.427 mm, Rib Type, Long Span	sq.m.	80.77	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Date : _____

Name of the Representative of the Bidder _____

Position _____

Name of Bidder _____

Contract Name

CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

180 Calendar Days

BILL OF QUANTITIES

4. CADAVER HOLDING AREA

Part No.

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1					
1018 (5)	Glazed Tiles	sq.m.	38.40		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
1027(1)	Cement Plaster Finish	sq.m.	200.00		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
1032(1)a	Painting Works, Masonry/Concrete	sq.m.	268.34		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
1032(1)b	Painting Works, Wood	sq.m.	16.98		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
1032(1)c	Painting Works, Metal	sq.m.	6.48		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
1038(1)	Reflective Insulation	sq.m.	68.34		
				In words: _____	In words: _____
				In figures: _____	In figures: _____

Submitted by:

Name of the Representative of the Bidder

Date

Position

Name of Bidder

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

4. CADAVER HOLDING AREA

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	5
1046(2)11	CHB&N(On-Load Bearing(Including Reinforcing Steel),100mm	sq.m.	109.49	In words: _____ In figures: _____	In words: _____ In figures: _____
1047 (1)	Structural Steel	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1100 (10)	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1101(33)	Wires and Wiring Devices	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1102 (1)	Panelboard with Main & Branch Breakers	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
1103 (1)	Lighting Fixtures	l.s.	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Date : _____

Name of the Representative of the Bidder _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

5. PRAYER ROOM

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
803(1)a	Structure Excavation (Common Soil)	cu.m.	1.00		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
804(7)	Gravel Fill	cu.m.	11.76		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
900(1)c	Structural Concrete, Class A, 3000 psi, 28 days	cu.m.	2.71		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
902(1)a1	Reinforcing Steel (Deformed), Grade 40	kilogram	109.66		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
903(2)	Formworks and Falseworks	lump sum	1.00		
				In words: _____	In words: _____
				In figures: _____	In figures: _____
1003(2)F	Wall, Metal Cladding	sq. m.	31.01		
				In words: _____	In words: _____
				In figures: _____	In figures: _____

Submitted by:

Name of the Representative of the Bidder

Date

Position

Name of Bidder

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATIAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

6. DRAINAGE/CANAL WITH COVER

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
103(1)	Structure Excavation	cu.m.	160.03	In words: _____ In figures: _____	In words: _____ In figures: _____
404(1)a	Reinforcing Steel Bar, Grade 40 (Minor Structures)	kg.	2541.46	In words: _____ In figures: _____	In words: _____ In figures: _____
405(1)c1	Structural Concrete Class "B" (7 days)	cu.m.	85.35	In words: _____ In figures: _____	In words: _____ In figures: _____
503(1)	Metal Frame and Grating	set	225.00	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Date : _____

Name of the Representative of the Bidder _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

7. LANDSCAPING

Part No. _____

: _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1				5	6
803(1)a	Structure Excavation	cu.m.	17.10	In words: _____ In figures: _____	In words: _____ In figures: _____
SPL	Landscaping	sqm	38.00	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by: _____

Name of the Representative of the Bidder _____

Date : _____

Position _____

Name of Bidder _____

Contract Name

: CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL

Location of the Contract

: POBLACION, KIBLAWAN, DAVAO DEL SUR

Project Duration

: 180 Calendar Days

BILL OF QUANTITIES

8. CONCRETE PATHWAY

Part No. _____

Pay Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
1				5	6
800(2)	Cleaning & Grubbing	lumpsum	1.00	In words: _____ In figures: _____	In words: _____ In figures: _____
802(2)	Surplus Common Excavation	cu.m.	33.96	In words: _____ In figures: _____	In words: _____ In figures: _____
804(4)	Gravel fill	cu.m.	12.48	In words: _____ In figures: _____	In words: _____ In figures: _____
900(1)b1	Structural Concrete, Class A, 14 Days	cu.m	22.20	In words: _____ In figures: _____	In words: _____ In figures: _____
902(1)a 40	Reinforcing Steel (Deformed), Grade 40	kg.	472.50	In words: _____ In figures: _____	In words: _____ In figures: _____

Submitted by:

Name of the Representative of the Bidder _____

Date : _____

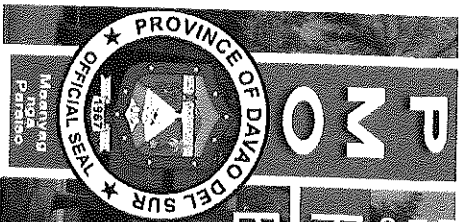
Position _____

Name of Bidder _____

SECTION IX.

CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

H



PROCUREMENT MANAGEMENT OFFICE BIDS AND AWARDS COMMITTEE

Mobile Nos: 0905-229-0526/0908-332-2024 (Goods), 0948-768-5848 (Infra)
 Telefax: (082) 553-9579
 Website: www.davaodelsur.gov.ph/pgc-bac
 Email Add.: bac.davaodelsur2@gmail.com, sbaccdavaodelsur@gmail.com

CHECKLIST-CIVIL

IB No: _____ Opening of Bids: _____

Name of Project/Brief Description of Goods:			
PR:	Dated:	ABC	End User:
Name of Contractor/Supplier:			
Address:			
Contact Number:			
ENVELOPE 1 - ELIGIBILITY DOCUMENTS/TECHNICAL			
1. Class "A" Documents			
Legal Documents			
a. Valid PhilGEPs Registration Certificate (Platinum Membership) with its corresponding Annex A.			
Technical Documents			
b. Statement of the prospective bidder of all its on-going government and private contracts, including contracts awarded but not yet started (7 calendar days before the bid opening), if any, whether similar or not similar in nature and complexity to the contract to be bid with supporting documents such as Notice of Award and/or Contract, Notice to Proceed, and Certificate of Accomplishment or Statement of Time Elapsed and Work Accomplished.			
c. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid for the last (3) years, and whose value, adjusted to current prices using the PSA consumer price indices, must be at least fifty percent (50%) of the ABC to be bid: Provided, however, that contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB. This Statement must be supported with the following: Contract/ Purchase Order, Certificate of Completion/ Acceptance or Inspection Report or Official Receipt, Validated Contractors/Constructors Performance Evaluation System (CPES) in DPWH website.			
d. Valid 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.			
Financial Documents			
e. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC). However, in the case of procurement of Goods, a bidder may submit a committed Line of Credit from a Universal or Commercial Bank, in lieu of its NFCC computation. (Note: K-15)			
2 Class "B" Documents			
a. For Infrastructure Projects, Joint Venture bidders shall submit a Joint Venture Agreement in accordance with R.A. 4566 and its IRR. Each partner of the joint venture shall submit their respective PhilGEPs Certificates of Registration in accordance with Section 8.5.2 of this IRR. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance: Provided, that the partner responsible to submit the NFCC shall likewise submit the Statement of all of its ongoing contracts and Audited Statements.			
TECHNICAL PROPOSAL			
1. Original copy of Bid Security in the form of the following: <ul style="list-style-type: none"> <input type="checkbox"/> Cash or Cashier's/ Manager's check (2%) <input type="checkbox"/> Bank Guarantee/ Draft or Irrevocable Letter of Credit (2%) <input type="checkbox"/> Surety Bond callable upon demand (5%) <input type="checkbox"/> Bid Securing Declaration (in the prescribed form) 			
2. Project Requirements, which shall include the following: <ul style="list-style-type: none"> a. Organizational chart for the contract to be bid 			

	<p>b. List of contractor's personnel (viz., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualifications and experience data;</p>
	<p>c. List of contractor's equipment units, which are owned, leased, and/or under purchase agreements, supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project;</p>
	<p>3. Original Duly Signed Omnibus Sworn Statement (OSS) by the prospective bidder or its duly authorized representative; 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.</p>
	<p>4. Other documents/materials to comply with other non-discretionary criteria and requirements as stated in the Instruction to Bidders:</p> <ul style="list-style-type: none"> • Construction Methods
	<ul style="list-style-type: none"> • Construction schedule and S-Curve
	<ul style="list-style-type: none"> • Pert-CPM
	<ul style="list-style-type: none"> • Manpower Utilization Schedule
	<ul style="list-style-type: none"> • Equipment Utilization Schedule
	<ul style="list-style-type: none"> • Construction Safety & Health Program
	<ul style="list-style-type: none"> • Duly Notarized Affidavit of Site Inspection
	<ul style="list-style-type: none"> • Duly Notarized Certification as to Compliance to Labor Laws and Standard
	<p>QUALIFIED</p>
	<p>DISQUALIFIED</p>
<p>ENVELOPE 2- FINANCIAL PROPOSAL</p>	
	<p>1. Duly Signed Financial Bid Form</p>
	<p>2. Duly Signed Bid Prices in the Bill of Quantities</p>
	<p>3. Duly Signed Detailed Estimates</p>
	<p>4. Duly Signed Cash Flow by Quarter and Payment Schedules</p>

SECTION X.

OTHER DOCUMENTS

- 1) Purchase Request
- 2) Statement of all On-going Government & Private Contracts including Contracts awarded but not yet started (Prescribed Form)
- 3) Statement of Single Largest Completed Contract (Prescribed Form)
- 4) Bid Securing Declaration (Prescribed Form)
- 5) Omnibus Sworn Statement (Prescribed Form)
- 6) Bid Form (Prescribed Form)
- 7) Resolution No. 1333 Series of 2023 / Three-Strike Policy
- 8) Resolution No. 052 Series of 2022
- 9) Resolution No. 053 Series of 2022
- 10) TWG – Checklist for Bid Evaluation
- 11) TWG – Checklist for Post Qualification

H

PURCHASE REQUEST
PROVINCE OF DAVAO DEL SUR
 MATTI, DIGOS CITY

Department : PROVINCIAL ENGINEER'S OFFICE
 Section : Construction

PR NO. : 003-24-S Date : 02/06/2024
 SAI NO. : _____ Date : _____

STOCK No.	UNIT OF ISSUE	ITEM DESCRIPTION	QTY	UNIT COST	TOTAL COST
1	Job Order	CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL located at POBLACION, KIBLAWAN, DAVAO DEL SUR all in accordance, to plans, specifications and scope of work and the Green Procurement Policy as adopted by Executive Order No. 30 series of 2019. XXXXXXXXXXXXXXXX TOTAL P 9,250,000.00 WWWWWW	1		
Charge to: Construction and Improvement of Gregorio Matas District Hospital Poblacion, Kiblawan, Davao del Sur CY 2022 SUPPLEMENTAL NO. 5 8919493 Hospitals X Health Centers 107-04-030					
Purpose/Remarks: For use in the CONSTRUCTION AND IMPROVEMENT OF GREGORIO MATAS DISTRICT HOSPITAL located at POBLACION, KIBLAWAN, DAVAO DEL SUR					

TECHNICAL WORKING GROUP
 TECHNICAL SPECS CONTROLLED
 BY: *[Signature]*
 DATE: *[Signature]*
[Signature]

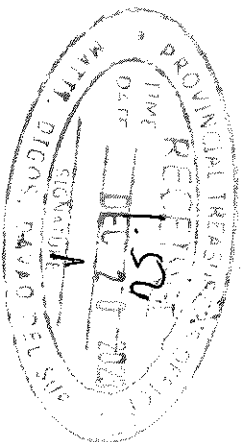
CASH AVAILABILITY: *[Signature]*

APPROVED: *[Signature]*

Signature : *[Signature]*

Printed Name : **TEODORO MARCH R. SUARIO** FARAH GEMMA V. BIDAN, CPA
 Designation : *Provincial Engineer* Provincial Treasurer

Date : December 11, 2023 *[Signature]* **DEC 11 2023**



Statement of Single Largest Completed Contract (SLCC)
 (Similar in Nature for the Last 3 years)

Name of Project/Contract: _____

Location: _____

IB No. _____

Name of Contract / Location Project Cost	a) Owner's Name b) Address c) Telephone No.	Nature of Work	Bidder's Role		a) Amount at Award b) Amount at Completion c) Duration	a) Date Awarded b) Date Started c) Date of Completion
			Description	%		

Note: This statement shall be supported with:

1. Contract/Purchase Order
2. Certificate of Completion/Acceptance or Inspection and Acceptance Report or Official Receipts

Submitted by: _____
 (Printed Name & Signature)
 Designation: _____
 Date: _____

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

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

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

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

I/We, the undersigned, declare that:

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

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

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

[sworn]

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

Omnibus Sworn Statement (Revised)
[shall be submitted with the Bid]

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical

Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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

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

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
- a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

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

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

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

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

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Project Identification No. : _____

Date : _____

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

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

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

¹ currently based on GPPB Resolution No. 09-2020

representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].

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

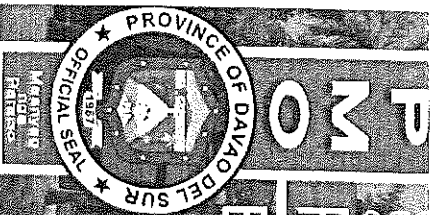
Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____



PROVINCE OF DAVAO DEL SUR
Office of the Governor

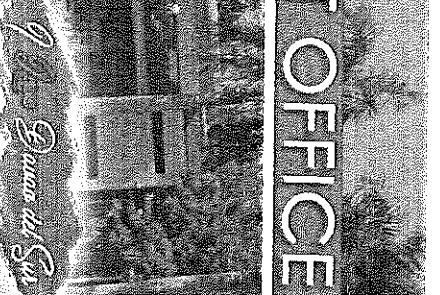
PROCUREMENT MANAGEMENT OFFICE BIDS AND AWARDS COMMITTEE

Mobile Nos. 0905-229-0526/0908-332-2024 (Goods), 0948-768-5848 (Infra)

Telefax: (082) 553-9579

Website: www.davaodelsur.gov.ph/pgo-bac

Engrl Add: bage.davaodelsur2@gmail.com/baggedavaodelsur@gmail.com



Resolution No.1333
Series of 2023

A RESOLUTION RECOMMENDING TO THE HEAD OF THE PROCURING ENTITY, GOVERNOR YVONNE ROÑA CAGAS TO FURTHER AMEND THE 3-STRIKE POLICY IN THE PROCUREMENT OF CONTRACTS FOR GOODS AND SERVICES, AND INFRASTRUCTURE PROJECTS OF THE PROVINCIAL GOVERNMENT OF DAVAO DEL SUR.

WHEREAS, the Provincial Government of Davao del Sur encounters several failures of biddings due to constant errors committed by the participating Bidders in the submission of their bidding documents despite of the orientation during Pre-Bid Conference and the Instruction to Bidders;

WHEREAS, to further strengthen the integrity of the competitive bidding process, the Bids and Awards Committee unanimously agreed that the following instructions are hereby issued pertaining to the implementation of the 3-Strike Policy of the Provincial Government of Davao del Sur against violations of Section 69 of the IRR of RA 9184;

1. The provision of Section 69.1 of the said IRR, pertaining to the 3-Strike Policy of the Provincial Government of Davao del Sur, is hereby reiterated as follows:

"In addition to the provisions of Rules XXI and XXII of this IRR, the Head of the Procuring Entity, subject to the authority delegated to the BAC, if any, shall impose on bidders or prospective bidders, the administrative penalty of suspension for one (1) year for the first offense, and suspension of two (2) years for the second offense from participating in the competitive bidding process, as well as disqualification from further participating in the competitive bidding being undertaken by the Procuring Entity concerned, where applicable, for the following violations: 69.1.i All other acts that tend to defeat the purpose of the competitive bidding, such as habitually withdrawing from bidding, submitting late Bids or patently insufficient bid, for at least three (3) times within a year, except for valid reasons."

2. The violations enumerated, which are considered as acts that tend to defeat the purpose of competitive bidding, are hereby clarified to read as follows:
 - a) Non-submission of post-qualification and other requirements within the prescribed period as specified in the notice issued by the BAC;
 - b) All other acts that tend to defeat the purpose of competitive bidding, such as:
 - 1.) Withdrawing from bidding or Non-dropping of Bid Documents,
 - 2.) Submitting late Bids;
 - 3.) Submitting of patently insufficient bid. Patently insufficient bid is clarified as the "total absence" of the required document.

4.) Refusal to receive/acknowledge notice/s issued by the Head of the
Procuring Entity and/or Bids and Awards Committee

BAC RES. NO. 1333, S.2023

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x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x

- c) Habitually committing offenses that are not grounds for disqualification such as improper sealing, non-tabbing, and the like.
3. Every time a bidder is observed to have done committed any of the acts enumerated under Item 2 of this Resolution, the Chairperson of the BAC shall immediately issue a Show Cause Order to the erring bidder informing of his act, and giving him three (3) calendar days to show cause why he should not be sanctioned for committing an act which tends to defeat the purpose of public bidding under the 3-Strike Policy of the Provincial Government of Davao del Sur;
4. Based on the evaluation by the BAC of the bidder's response to the Show Cause Order mentioned in Item No. 3 of this Resolution, the BAC shall, within five (5) calendar days from the receipt of the bidder's response determine whether the bidder's act was done with or without a valid cause;
5. The BAC Secretariat shall submit to the BAC a 3-Strike Policy Report, which shall contain the information in Item 3 and 9 of this Resolution.
6. The BAC through its Secretariat shall monitor the participation of bidders in all of its projects/participations, and maintain a tally of violations by each bidder of the 3-Strike Policy in its jurisdiction as well as of the violations by the bidder of the said policy in other offices of the Provincial Government of Davao del Sur;
7. All other petty defects found in the bid documents of the bidder which will not in any manner defeat the purpose of Competitive Bidding shall not be a ground for the imposition of a strike, subject to the discretion of the BAC
8. For the procurement of Infrastructure Projects, this Policy is applicable to all methods of procurement, be it Competitive Bidding or alternative methods of procurement. For the procurement of Goods and Consulting Services, this Policy is applicable to Competitive Bidding only
9. For the sanctions to be imposed:
 - **ONE (1) STRIKE** will be imposed for various IB Nos. participated by the bidder with the same nature of violation opened on the same date, or was disqualified during post-qualification stage with the same case of the latter;
 - **MULTIPLE STRIKES** for different discrepancies/offenses under different IB Nos. opened on the same date, or was disqualified during post-qualification stage with the same case of the latter;
 - **For Item 2.c:** Three habitual offenses are equivalent to one (1) strike
10. Each "offense" by a bidder referred to in Section 69.1.i. of the IRR, as stated in this Resolution, consists of three violations or strikes within a period of **one calendar year** for all the procurements of all offices of the Provincial Government of Davao del Sur. A Fresh Period of one (1) year in counting of "strikes" shall be observed in the succeeding year;

11. Based on the 3-Strike reports, the Bids and Awards Committee, shall recommend to the Head of the Procuring Entity, for approval, the following administrative sanctions on the erring Contractor/Supplier for the violation of the 3-Strike Policy:
- a. For the first violation or strike – a first warning.
 - b. For the second strike – a second warning.
 - c. For the third strike, which together with the first two strikes constitutes the first offense against the 3-Strike Policy – an administrative penalty of suspension for one (1) year from participating in any procurement process in the Provincial Government of Davao del Sur.
 - d. For the second offense – the second set of three strikes committed by the bidder – an administrative suspension for two (2) years from participating in any procurement process in the Provincial Government of Davao del Sur.

WHEREFORE, on motion of BAC Member, Raul R. Fueconcillo, LAagri.MAGDev. duly seconded by all BAC Members present it was –

RESOLVED, as it is hereby **RESOLVED**, to recommend to the Head of the Procuring Entity, GOVERNOR YVONNE ROÑA CAGAS to **FURTHER AMEND THE 3-STRIKE POLICY IN THE PROCUREMENT OF CONTRACTS FOR GOODS AND SERVICES, AND INFRASTRUCTURE PROJECTS OF THE PROVINCIAL GOVERNMENT OF DAVAO DEL SUR.**

RESOLVED FINALLY, to furnish copies of this Resolution to all agencies concerned, Suppliers, and Concerned End Users, for their information and guidance.

UNANIMOUSLY APPROVED at the Ralota Hall, Governor Douglas Ralota Cagas Sports and Business Complex, Barangay Matti, Digos City, Province of Davao del Sur, this 31st day of August, 2023.

I hereby concur to the correctness of the minutes:

Engr. SHEILA MAE A. ZAPANTA, MPA
Administrative Officer IV, PMO
Head, BAC Secretariat for Infrastructure Projects

NORJANNA M. CAMAGUIN, MPA
Chief Administrative Officer, PMO
Head, BAC Secretariat for Goods and Consulting Services

ENGR. RODERICK MILANA, REA
Provincial Assessor / BAC Member

ALLAN C. PUTONG, JD
PGDH-PGSO / BAC Member

ENGR. ANGELIE R. GELLA
APGDH-PEO / BAC Member

DOMINIC BUCOL, JD
PGDH-PCSMO / BAC Member

RAUL R. FUECONCILLO, LAgri.MAg.Dev.
Provincial Agriculturist / BAC Member

RAUL D. RAUT, ENP, JD
PGDH-PHRMO / BAC Vice-Chairperson

DESSAMIE BUAT-SANCHEZ, CPA, JD
PGDH-PBO / BAC Chairperson
Presiding Officer

Approved by:

WYONNE ROÑA CAGAS
Governor
Head of Procuring Entity



Republic of the Philippines
PROVINCE OF DAVAO DEL SUR
 Barangay Mati, Digos City, Davao del Sur
 Middle Room No. 201 to 205, Digos City 8024/09-00-701-5000
 Telefax: (081) 808-9111; Website: www.davaodelsur.gov.ph
 E-mail: Adm@daodelsur201@gmail.com; ddaodelsur@prophill.com

OFFICE OF THE GOVERNOR

BIDS AND AWARDS COMMITTEE (BAC)

Resolution No. 052
 Series of 2022

A RESOLUTION

RECOMMENDING TO THE HEAD OF THE PROCURING ENTITY, GOVERNOR YVONNE ROÑA CAGAS TO ADOPT THE SUSPENSION OF PARTICIPATING BIDDERS WHO WILL INCUR ANY OF THE VIOLATIONS STIPULATED IN SECTION 41 OF THE 2016 REVISED IMPLEMENTING RULES AND REGULATIONS OF REPUBLIC ACT NO. 9184, OTHERWISE KNOWN AS THE GOVERNMENT PROCUREMENT REFORM ACT.

WHEREAS, the Provincial Government of Davao del Sur encounters failures of biddings due to constant violations committed by the participating Bidders in the submission of their bidding documents despite of the orientation during Pre-bid Conference and the Instruction to Bidders;

WHEREAS, to further strengthen the integrity of the competitive bidding process, the Bids and Awards Committee together with the Members of the Technical Working Group unanimously agreed that the following instructions are hereby issued, pertaining to the implementation of the Suspension of the Participating Bidders against violations of Section 41 of the Revised IRR of RA 9184;

1. The provision of Section 41 the Revised IRR of RA 9184 is hereby reiterated as follows:
 - a. *If there is prima facie evidence of collusion between appropriate public officers or employees of the Procuring Entity, or between the BAC and any of the bidders, or if the collusion is between or among the bidders themselves, or between a bidder and a third party, including any act which restricts, suppresses or nullifies or tends to restrict, suppress or nullify competition;*
 - b. *If the BAC is found to have failed in following the prescribed bidding procedures; or*
 - c. *For any justifiable and reasonable ground where the award of the contract will not redound to the benefit of the government as defined in the IRR."*
2. The violations enumerated, which are considered as acts that tend to defeat the purpose of competitive bidding, are hereby clarified to read as follows:
 - 2.a. *If there is prima facie evidence of collusion between appropriate public officers or employees of the Procuring Entity*
 - 2.b. *If there is prima facie evidence of collusion between the BAC and any of the bidders;*

H

W



Republika ng Pilipinas

PROVINCE OF DAVAO DEL SUR

Barangay Matti, Digos City, Davao del Sur

Mobile No. (082) 226-4344/(082) 227-2924/(082) 762-0502

Tel. No. (082) 226-4344/(082) 227-2924/(082) 762-0502

Internet: www.davaodelsur.gov.ph

Office of the Provincial Engineer

Office of the Provincial Engineer

BAC Resolution No. 052 s. 2022

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x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x

2.c If there is prima facie evidence of collusion between or among the bidders themselves, or between a bidder and a third party, including any act which restricts, suppresses or nullifies or tends to restrict, suppress or nullify competition;

3. The BAC through its Secretariat shall monitor the participation of bidders in all of its projects and maintain a tally of violations by each bidder in its jurisdiction as well as of the violations by the bidder of the said policy in other offices of the Provincial Government of Davao del Sur.

4. The Bids and Awards Committee, shall recommend to the Head of the Procuring Entity, for approval, the administrative sanction on the erring participating bidder/contractor for the violation Section 41 of RA 9184:
- a. For the first violation – an administrative penalty of suspension for three (3) months from participating in any procurement process in the Provincial Government of Davao del Sur.
 - b. For the second violation – an administrative penalty of suspension for one (1) year from participating in any procurement process in the Provincial Government of Davao del Sur.
 - c. For the third offense- perpetual disqualification from participating in any procurement process in the Provincial Government of Davao del Sur.


WHEREFORE, on motion of BAC Member Wiliana, duly seconded by BAC Member Putong, it was –

RESOLVED, as it is hereby **RESOLVED**, to recommend to the Head of the Procuring Entity, **GOVERNOR YVONNE RONA CAGAS** to **ADOPT THE SUSPENSION OF PARTICIPATING BIDDERS WHO WILL INCUR ANY OF THE VIOLATIONS STIPULATED IN SECTION 41 OF THE 2016 REVISED IMPLEMENTING RULES AND REGULATIONS OF REPUBLIC ACT NO. 9184, OTHERWISE KNOWN AS THE GOVERNMENT PROCUREMENT REFORM ACT.**

RESOLVED FINALLY, to furnish copies of this Resolution to all agencies concerned for their information and guidance.

UNANIMOUSLY APPROVED at the Almendras Hall, Governor Douglas Ralioa Cagas Sports and Business Complex, Barangay Matti, Digos City, Province of Davao del Sur, this 14th day of July, 2022.

I hereby certify the correctness of above-mentioned resolution.


Engr. **SHIELA MAE ZAPANTA, MPA**
Agricultural Technologist
Head, BAC Secretariat (Infrastructure Projects)


NORJANNA M. CAMAGUIN, MPA
LTOOIK
Head, BAC Secretariat (Goods and Consulting Services)



REPUBLIC OF THE PHILIPPINES
PROVINCE OF DAVAO DEL SUR
Barangay Mati, Digos City, Davao del Sur


Mobile No: 0907 299-0526/0917-522-3424/0909-789-5842
Telefax: (082) 557-9519/Website: www.davaodelsur.gov.ph
Email Add: bac.davao.mati@daa.mati.davaodelsur@gmail.com
OFFICE OF THE BAC SECRETARY

BAC Resolution No. 052 s. 2022


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Attested by:

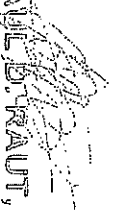

DOMINIK S. BUCCOL JD
PGDH-Provincial Warden Office
BAC Member



(on leave)
RAUL R. FUECONCILLO, MagDev
PGDH-OPAG
BAC Member


ENGR. ANGELLE R. GELLA
APGDH-PEO
BAC Member


ENGR. RODERICK R. MILANA, REA
PGDH-PASSO
BAC Member


ALLAN C. PUJONG
PGDH-PGSO
BAC Member


RAUL B. KRAUT, EMP, JD
PGDH-HRMO
BAC Vice Chairperson


DESSAMIE BUAT SANCHEZ, CPA, JD
Provincial Budget Officer
BAC Chairperson – Presiding Officer


Approved by:



YVONNE RONA CAGAS
Governor
Head of Procuring Entity


Attested by:



DOMINIC S. BUCCOL JD
PGDH-Provincial Warden Office
BAC Member

(on leave)
RAUL R. FUECONCILLO, MagDev
PGDH-Office of the Provincial Agriculturist
BAC Member


Engr. ANGELIE R. GELLA
APGDH-PEO
BAC Member


ENGR. RODERICK R. MILLANA, REA
PGDH-PASSO
BAC Member


ALLANC PITONG, JD
PGDH-PGSO
BAC Member


RAUL B. RAUT, ENP, JD
PGDH-HRMO
BAC Vice Chairperson


DESSAMIE BUAT-SANCHEZ, CPA, JD
PGDH - PBO
BAC Chairperson – Presiding Officer

Approved by:


YVONNE RONA CAGAS
Governor
Head of Procuring Entity

PROCURUREMENT MANAGEMENT OFFICE

BIDS AND AWARDS COMMITTEE


PROVINCE OF DAVAO DEL SUR
OFFICIAL SEAL

Mobile Nos. 0905-299-0526, 0908-332-2024 (Goods), 0948-768-5848 (Infro)
 Telefax: (082) 553-9579
 Website: www.davaodelsur.gov.ph/pgc-bac
 Email Add: bac.davaodelsur@gmail.com, sbacc.davaodelsur@gmail.com

9 Days Business del Sur

TWG – CHECKLIST FOR BID EVALUATION

IB No.		
Name of Project:		
Contractor:		
ITEMS:	FINDINGS	REMARKS
1. Bid Amount (both in words and in figure) must be below ABC.		
2. Bill of Quantities submitted by the contractor must conform with the Bill of Quantities issued by the End-User.		
3. Detailed Estimates		
A. Check mathematical computation in the Detailed Estimates		
B. The amount in the Detailed Estimates must be reconciled with the amount in the summary of bid and the quantities in the BOQ.		
C. Allowance for waste and/or losses, not to exceed 5% of materials equipment.		
D. Mobilization and demobilization shall not exceed 1% of the Estimated Direct Cost (EDC) of the civil works items.		
E. Overhead expenses must be within the range of %-11% of the EDC.		
F. Contingencies must be within the range of 0.5%-3% of the EDC.		
G. Miscellaneous expenses must be within the range of 0.5%-1% of the EDC.		
H. Contractor's Profit Margin shall be 8% of the EDC for projects above 5 million and 10% for the projects 5 million and below.		
I. VAT Component shall be 5% of the sum of the EDC, OCM, and Profit.		
J. The following non-civil work items shall not be subjected to OCM mark-up:		
1. Field/ Laboratory Office & Living Quarters (Rental Basis)		
2. Furnishing of Furniture, Laboratory Equipment, Survey Equipment and Consumables		
3. Assistance to the Engineers		
4. Photographs		
5. Health and Safety		
2. Traffic Management		
3. Environmental Compliance		
4. Communication Equipment		
5. Project Billboard, etc.		



PROCUREMENT MANAGEMENT OFFICE BIDS AWARDS COMMITTEE

Mobile Nos: 0905-229-0526/0908-332-2024 (Goods), 0948-768-5548 (Infra)

Telefax: (082) 553-9579

Website: www.davaodelsur.gov.ph/pgo-bac

Email Add: bac.davaodelsur2@gmail.com; spcd.davaodelsur@gmail.com



K. The following items shall not be subjected to OCM and Profit mark-up:		
A. Mobilization and demobilization		
B. Provision of Service Vehicle		
C. Permits and Clearances		
4. Bid Security		
A. Cash or Cashier's/ Manager's check (2%)		
B. Bank Guarantee/ Draft or Irrevocable Letter of Credit (2%)		
C. Surety Bond callable upon demand (5%)		
D. Bid Securing Declaration (must be in prescribed form, 15 days)		
E. Cash Flow by quarter and payment schedule (check mathematical computation against the bid amount)		



No.

PROCUREMENT MANAGEMENT OFFICE

BIDS AWARDS COMMITTEE

Office:
 Mobile Nos: 0905-229-0526/0908-332-2024 (Goods), 0948-768-5848 (Infra)
 Website: www.davaodelsur.gov.ph/pgc-bac
 Telefax: (082) 553-9579
 Email Add: bac.davaodelsur2@gmail.com/sbacelavaodelsur@gmail.com

9 Steps Towards the Sun

TWG – CHECKLIST FOR POST QUALIFICATION

IB. No.		
Name of Project:		
Contractor:		
TECHNICAL DOCUMENTS:		
1. Not a Blacklisted Contractor per GPPB Website	FINDINGS	REMARKS
2. Registration certificate from SEC, Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives must be valid (Company Name and Validity)		
3. Mayor's/ Business permit must be valid (Company Name and Validity)		
4. Tax Clearance must be valid (Company Name and Validity)		
5. PhilGEPs Registration (Platinum Membership) must be valid (Company Name and Validity)		
6. Valid Philippine Contractors Accreditation Board or Special PCAB License in case of Joint Ventures (PCAB)		
7. Statement of all on-going government and private contracts including awarded but not yet started <ul style="list-style-type: none"> A. Complete attachments <ul style="list-style-type: none"> i. Notice of Award ii. Contract iii. Notice to Proceed iv. Contract Extension, if any; v. Statement of Work Accomplishment duly signed by the Procuring Entity B. Evaluate the projects, if any; <ul style="list-style-type: none"> i. Verify Target Date of Completion ii. Must not incur Negative Slippage of more than fifteen percent (15%) in any one project or a negative slippage of more than ten percent (10%) in each two (2) or more contracts. C. Verification of on-going projects via DPWH portal 		
8. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid for the last (3) years, and whose value, adjusted to current prices using the PSA consumer price indices, must be at least fifty percent (50%) of the ABC to be bid: Provided, however, that contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.		
Must be supported with the following:		
A. Contract / Purchase Order		
B. Certificate of Completion / Acceptance or Inspection Report or Official Receipt		
C. Validate Contractors/Constructors Performance Evaluation System (CPES) in DPWH website.		



PROCUREMENT MANAGEMENT OFFICE BIDS AND AWARDS COMMITTEE

Mobile Nos. 0905-229-0526/0908-332-2024 (Goods), 0948-768-5848 (Infra)
Telefax: (082) 553-9579
Website: www.davaodelsur.gov.ph/pgo-bac
Email Add: bac.davaodelsur2@gmail.com/fbac.davaodelsur@gmail.com



9. Omnibus Sworn Statement must be in prescribed form (1 to 9) and duly notarized		
10. Net Financial Contracting Capacity (N FCC) must be reconciled with the Audited Financial Statements		
11. Income Tax Return as of 2020		
12. Business Tax Return Quarterly or Monthly as of 2021		
13. Construction Methods must conform with the approved plan		
14. Construction schedule and S-Curve must conform with the prescribed contract duration and the bid amount		
15. PERT-CPM must conform with the contract duration		
16. Manpower Utilization must conform with the POW		
17. Equipment Utilization must conform with the POW		
18. Duly Notarized Affidavit of Site Inspection		
19. Duly Notarized Compliance to Existing Labor Laws and Standards		