



Government of the Republic of the Philippines

DAVAO DEL SUR STATE COLLEGE

PHILIPPINE BIDDING DOCUMENTS

**PROCUREMENT OF INFRASTRUCTURE
PROJECTS**

For the

ESTABLISHMENT OF TURN-IN GATE

**Sixth Edition
July 2020**

Preface

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

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

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

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

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

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

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

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

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

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

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

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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



Invitation to Bid for Establishment Of Turn-in Gate

1. The **Davao del Sur State College**, through the **Fund 164 2024** intends to apply the sum of **Two Million One Hundred Thousand Pesos only (Php 2,100,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for **Establishment of Turn-in Gate/ DSSCPSU 2024-04-06**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **Davao del Sur State College** now invites bids for the above Procurement Project. Completion of the Works is required within **150 calendar days from receipt of the Notice to Proceed**. 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 **Davao del Sur State College** and inspect the Bidding Documents at the address given below from **08:00 A.M to 05:00 P.M (Monday to Friday)** except holidays.
5. A complete set of Bidding Documents may be acquired by interested bidders on **April 15 to May 08, 2024** from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (Php 5,000.00)*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees either in person or through e-mail.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids in any of the following payments options:

- Over-the-counter payment at DSSC-Cashier’s office, Brgy. Matti, Digos City, Davao del Sur;
- Over-the-counter deposit at Land Bank of the Philippines (LBP) Account No. – 0332-1103-57.


Prior to payment, bidders are advised to coordinate first with the BAC Secretariat through mobile phone at (+63)951 822 5510 for the issuance of the “Payment Order” and instructions.

6. The **Davao del Sur State College** will hold a Pre-Bid Conference¹ on **April 24, 2024; 01:00 P.M.** at **Davao del Sur State College, Brgy. Matti, Digos City, Davao del Sur** and/or through videoconferencing/webcasting *via Zoom*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before **May 08, 2024; 01:00 P.M.** Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. Bid opening shall be on **May 08, 2024; 01:00 P.M** at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Davao del Sur State College** 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:

RACHEL R. YONTING, LPT
PSU Head/BAC Secretariat
DSSC, Brgy. Matti, Digos City, Davao del Sur
Mobile No. 09518225510
E-mail Address: psu@dssc.edu.ph
Website: <https://www.dssc.edu.ph/>

12. You may visit the following websites:

For downloading of Bidding Documents:
<https://www.dssc.edu.ph/administration/procurement/bac-posting>


SIVERLYN M. CAMPOSANO, Ph.D.
Chairperson, Bids and Awards Committee

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, **Davao del Sur State College** invites Bids for the **Establishment of Turn-in Gate**, with Project Identification Number **DSSCPSU 2024-04-06**.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **FY 2024** in the amount of **Four Million Twenty Thousand Pesos only (Php 2,100,000.00)**.

2.2. The source of funding is:

a. Corporate Operating Budget.

3. Bidding Requirements

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

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

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

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

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

5. Eligible Bidders

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

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.
- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

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

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

- 7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.

- 7.2. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

- 7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid 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:*
 - a. Philippine Pesos.

15. Bid Security

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

- 15.2. The Bid and bid security shall be valid until *[indicate date]*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

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

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

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

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

Bid Data Sheet

ITB Clause																			
5.2	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p>Establishment of Turn-In Gate</p>																		
7.1	Subcontracting is not allowed.																		
10.3	Prospective Bidder should possess a valid PCAB license. Minimum category requirement for this Project is license category C & D or size range																		
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <ul style="list-style-type: none"> – Project Engineer Shall be a Licensed Civil/Architect with sufficient knowledge and background in architectural/interior works and design, w/ atleast two (2) years of experience in similar projects. – Electrical Engineer The Electrical Engineer must be a registered Electrical Engineer with at least two (2) years in lighting, power distribution and preferably knowledgeable in developments in emergent efficient lighting technologies and energy management. – Safety Officer The safety officer must be an accredited safety practitioner by the Department of Labor and Employment (DOLE) and has undergone the prescribed 40-hour Construction Safety and Health Training (COSH). 																		
10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">EQUIPMENT</th> <th style="text-align: center;">NO. OF UNITS (of at least)</th> </tr> </thead> <tbody> <tr> <td>One Bagger Cement Mixer</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Welding Machine</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Bar Cutter</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Bar Bender</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Electric Hand Drill</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Backhoe</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Dump Truck</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Plate Compactor</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	EQUIPMENT	NO. OF UNITS (of at least)	One Bagger Cement Mixer	1	Welding Machine	1	Bar Cutter	1	Bar Bender	1	Electric Hand Drill	1	Backhoe	1	Dump Truck	1	Plate Compactor	1
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One Bagger Cement Mixer	1																		
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Electric Hand Drill	1																		
Backhoe	1																		
Dump Truck	1																		
Plate Compactor	1																		
12	Alternative bid is not allowed																		
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:																		

	<p>a. The amount of not less than Php 42,000.00, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than Php 105,000.00, if bid security is in Surety Bond.</p>
19.2	Partial bids are not allowed
20	Bidders must submit latest and updated tax returns filed through the Electronic Filing and Payments System (EFPS).
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. **Scope of Contract**

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

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

2. **Sectional Completion of Works**

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

3. **Possession of Site**

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

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

4. **The Contractor's Obligations**

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

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

5. **Performance Security**

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

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

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

11. Program of Work

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

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

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

GCC Clause	
2	<i>Not Applicable</i>
4.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor upon receipt of Notice to Proceed.
6	The site investigation reports are: <i>None</i>
7.2	The warranty shall cover one (1) year from the date of issuance of the Certificate of Completion by the Procuring Entity
10	No further instructions
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within 7 calendar days of delivery of the Notice of Award.
11.2	No further instruction
13	The amount of the advance payment shall not exceed 15% of the total contract price and schedule of payment.
14	Materials and equipment delivered on the site but not completely installed or put in place shall not be included for payment.
15.1	No further instructions
15.2	No further instructions

Section VI. Specifications

Notes on Specifications

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

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

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

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

Sample Clause: Equivalency of Standards and Codes

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

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

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



NAME : ESTABLISHMENT OF TURN-IN GATE

LOCATION: DAVAO DEL SUR STATE COLLEGE CAMPUS

SCOPE OF WORK

OTHER GENERAL REQUIREMENT

- Secure occupancy/building permits and other clearances.
- Submit signed and sealed plans. **(9 copies)**
- Site clearing and preparation.
- Install project billboards.
- Mobilization/Demobilization.
- Install temporary fencing/cordon/barrier.
- Submit signed and sealed as built plans. **(9 copies)**

CONSTRUCTION SAFETY AND HEALTH

- Ensure compliance with DOLE criteria for construction safety and health.
- Ensure that all workers to always wear PPEs. (Safety helmets, shoes, gloves, vest, and harness)

EARTHWORKS

- Removal of existing structures and obstruction.
- Structural Excavation (footing, footing tie beam, wall footings, column, slab on fill and stairs).
(Refer to plan)
- Install batter boards and scaffolding.
- Embankment. **(Refer to plan)**
- Gravel fill. **(Refer to plan)**

PLAIN AND REINFORCED CONCRETE WORK

- Cutting and bending of deformed bars for footings, wall footing, columns, and slab on fill.
(Refer to plan)
- Fabricate column, footing tie beam and footing forms.
- Install deformed bar reinforcements on footings, footing tie beams, columns, and slab on fill.
- Concrete pouring on footings, columns, and slab on fill. (Structural Concrete: 20.7MPa Compressive Strength at 28 days)





TERMITE CONTROL WORKS

- Apply soil poisoning to building area.

MASONRY WORKS

- Cutting and bending deformed bars for concrete hollow blocks.
- Laying of concrete hollow blocks (non load bearing).
- Cement Plastering works.

FABRICATED MATERIALS AND HARDWARE

- Install sliding type windows (reflective glass) on powder coated aluminum frames.
- Install Kiln dried wooden panel doors with lever type doorknob on stainless steel jambs. **(Refer to plan)**

FINISHING WORKS

- Install scaffolding for ceiling works.
- Install metal ceiling framings e.g., wall angle, double metal furring, carrying channel.
- Plaster all concrete hollow blocks uniformly and without bumps. As to size refer to the plan.
- Install 60x60cm glazed Tile **(Refer to Plan)**
- Install Aluminum Tile Trim on doors and windows openings.
- Install Aluminum Step Nosing on all steps.
- Use Tile Adhesive as binder.
- Use Tile Grout (same color of tiles) for sealing of all connections/joints.

PAINTING WORKS

- Apply primer for all steel e.g., purlins, rectangular tube, angle bar, base plate, flat bar, plain round bar.
- Apply concrete neutralizer on all concrete surfaces.
- Apply concrete primer on all fiber cement board waling and fascia frame.
- Apply cast to hide surface imperfections and hair line cracks minimum of three (3) coats.
- Apply minimum of two (2) coats of topcoat elastomeric paint.
- Apply skim coat (white powder).
- Apply industrial finish paint.
- Apply a clear topcoat.
- Apply paint on all wooden doors and steel doorjamb.
- Fill all imperfections, knots, cracks and apply paint on all wooden doors and door jamb.



ROOF FRAMING AND ROOFING WORKS

- Fabricate, install, and apply primer, minimum of 2 coats for all steel components as shown on the plan and details.
- Install pre-painted LONG SPAN rib type roofing sheets. **(Refer to plan)**
- Install pre-painted pre-molded G.I. gutter.
- Apply roof sealant whenever necessary.

STRUCTURAL STEEL WORKS

- Structural steel works. **(Refer to plan)**

PLUMBING WORKS

- Install downspouts. **(Refer to plan)**

ELECTRICAL WORKS

- Install all electrical roughing-in and wirings. **(Refer to Electrical Plan)**
- Install all lightings, switches, convenience outlets, provisions and panel boards with circuit breakers. **(Refer to Electrical Plan)**


Prepared by:


ENGR. CARLOS ANDRIAN S. VILLANUEVA
 PPDME STAFF

Checked/ Reviewed by:


ENGR. CLARA A. ACEBES
 PPDME DIRECTOR

Recommending Approval:


LUCIANO D. NASIBOG JR., DBA
 VP FOR ADMIN AND FINANCE

Approved by:


AUGIE S. FUENTES, Ph.D.
 COLLEGE PRESIDENT

Section VII. Drawings

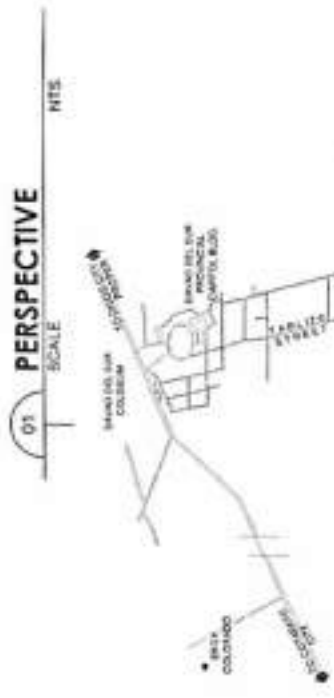
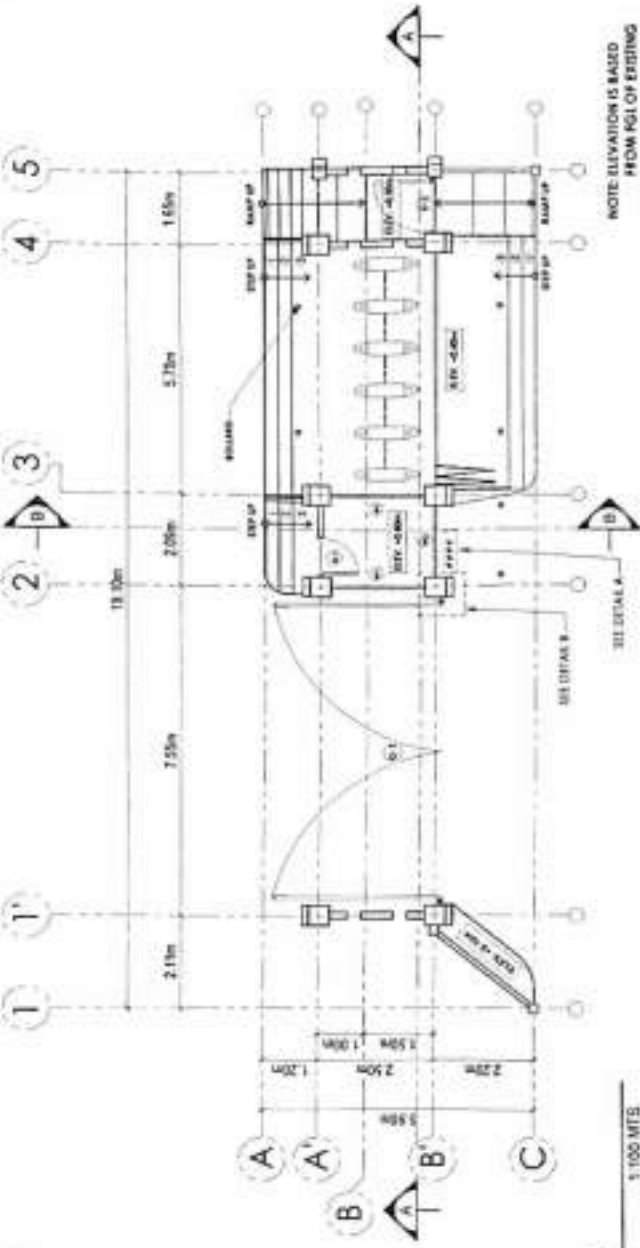


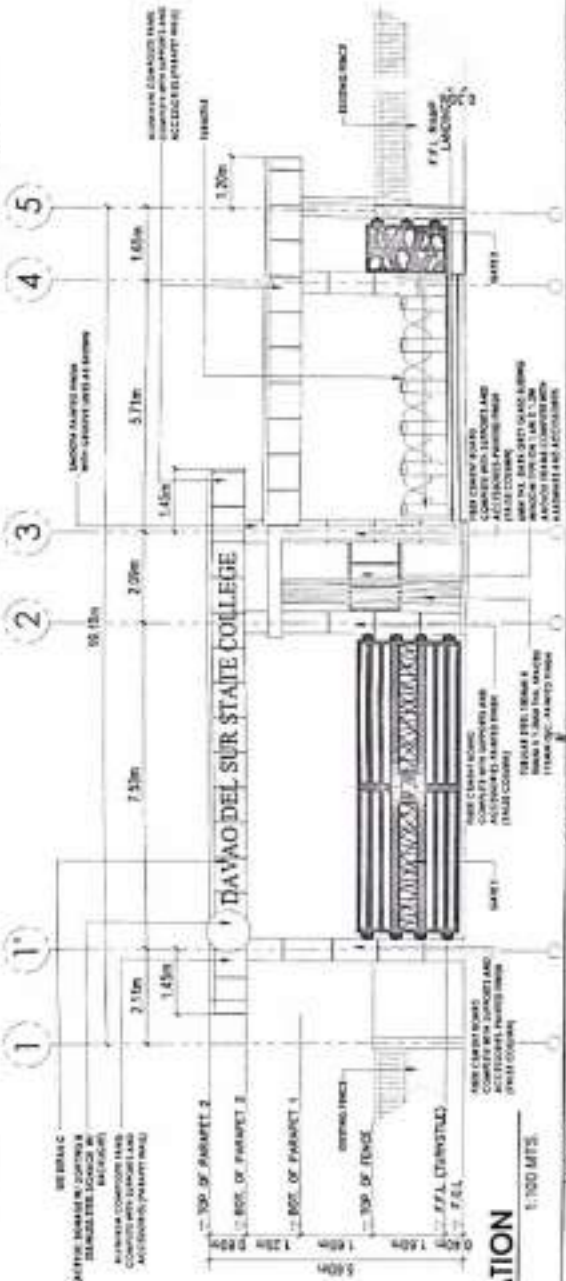
TABLE OF CONTENTS		SHEET CONTENTS	
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	PERMISIVE		OFFICE OF THE ENGINEER DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS MUNICIPALITY OF DAVAO CITY
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8.2	LOCATION PLAN		
8.3	FLOOR PLAN		LAND USE & ZONING
8.4	ROOF PLAN		
8.5	MECHANICAL/ELECTRICAL		
8.6	STRUCTURAL		LINE & GRADE
8.7	LANDSCAPE ARCHITECTURE		
8.8	CONSTRUCTION		
8.9	GENERAL CONTRACT		ARCHITECTURAL
8.10	MECHANICAL/ELECTRICAL		
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8.18	MECHANICAL/ELECTRICAL		ELECTRICAL
8.19	MECHANICAL/ELECTRICAL		
8.20	MECHANICAL/ELECTRICAL		

	<p>ESTABLISHMENT OF TURN IN GATE LOCATION: BARANGAY SAN ENRIQUE COLLEGE CAMPUS, BAY MAYORALDA CITY, DAVAO CITY</p>	<p>APPROVED BY <i>[Signature]</i> ENGR. CARLOS B. FERNANDEZ PROJECT ENGINEER</p>	<p>NO. INDICATED</p>
<p>PROJECT TITLE</p>		<p>DATE</p>	
<p>PROJECT NO.</p>		<p>SCALE</p>	
<p>PROJECT NO.</p>		<p>SCALE</p>	



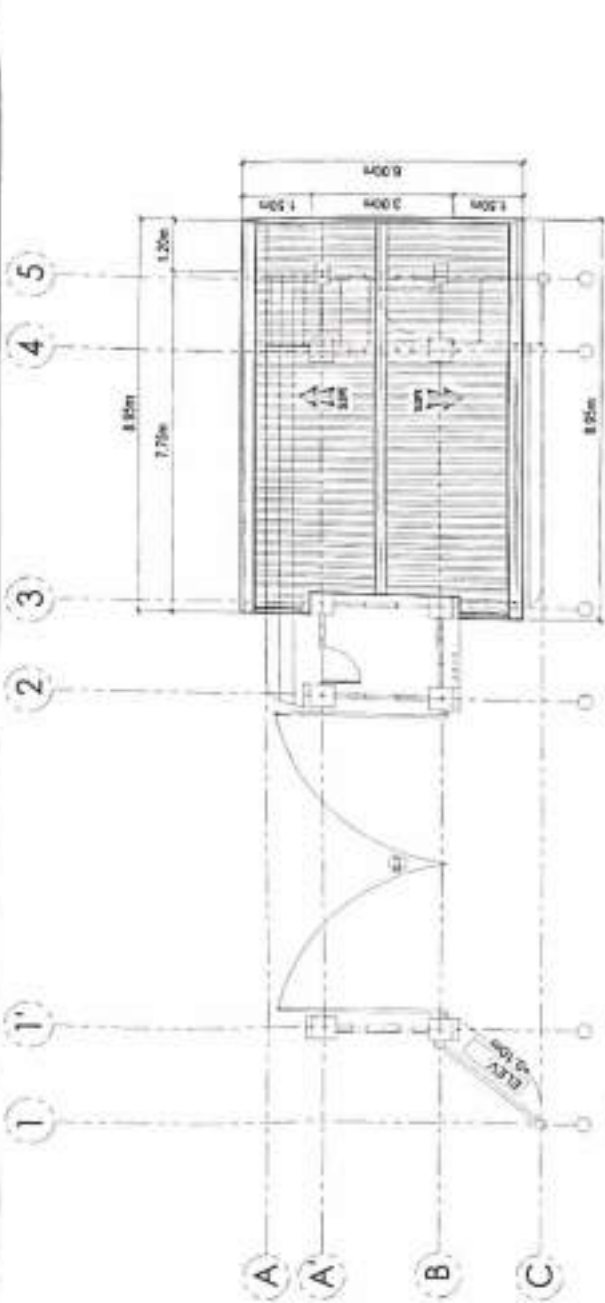
01 FLOOR PLAN
SCALE 1:100 MTS

NOTE: ELEVATION IS BASED FROM FGL OF EXISTING CDNC. ROAD

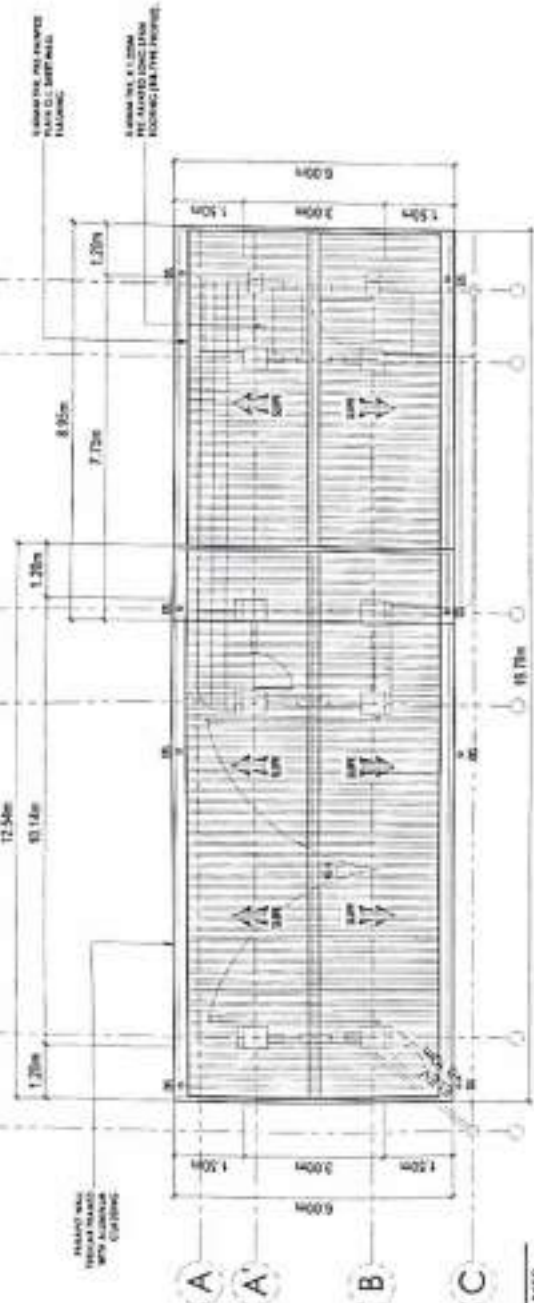


02 FRONT ELEVATION
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PROJECT TITLE: DAVAO DEL SUR STATE COLLEGE	DATE: 12/10/2019	SCALE: AS SHOWN
DESIGNED BY: ENGR. CARLOS A. VILLALBA	CHECKED BY: ENGR. DANILA ADRIE	DATE: 12/10/2019
APPROVED BY: ENGR. DANILA ADRIE	DATE: 12/10/2019	SCALE: AS SHOWN
PROJECT NO: 12/10/2019	PROJECT NO: 12/10/2019	PROJECT NO: 12/10/2019

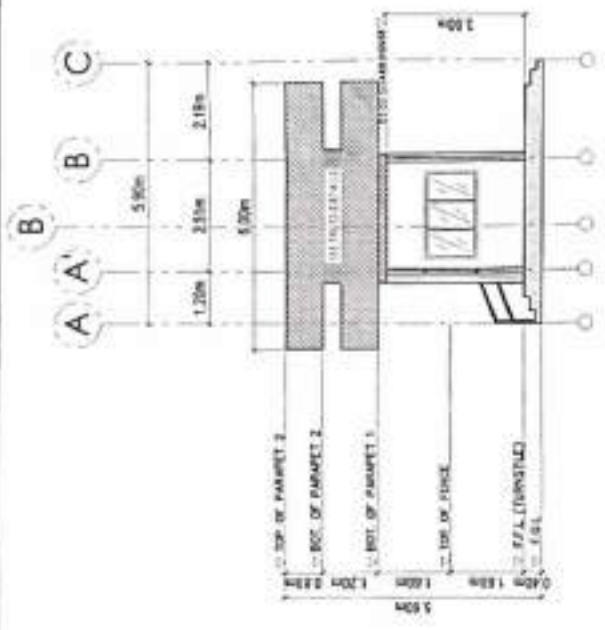


01 ROOF PLAN-1
SCALE 1:100 MTS

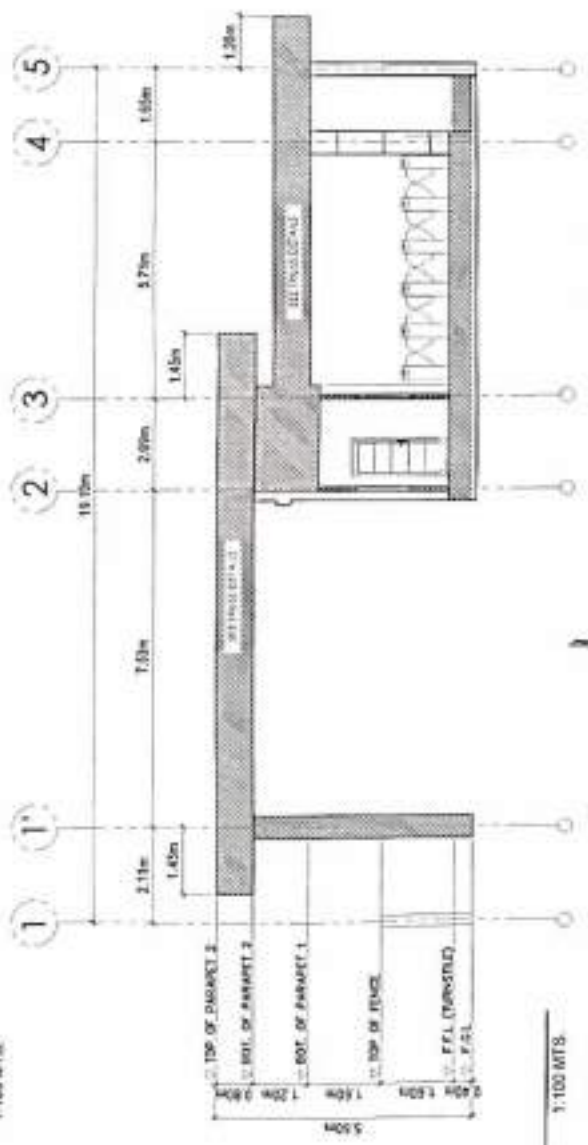


02 ROOF PLAN-2
SCALE 1:100 MTS

COLLEGE: 1.000	PROJECT: 101	DESIGNED BY: [Signature]	CHECKED AND VERIFIED BY: [Signature]	ISSUED BY: [Signature]	SHEET CONTENTS:	DATE: 11/19
ESTABLISHMENT OF PUNJAB GATE LUDHIANA DISTRICT, 141001 STATE COLLEGE CAMPUS BRIDGE MUTU, BOBBI CITY, ONACCELUM		ESTER CHAMLA ADDRESS [Address]		AS ASSOCIATES		



01 SECTION B
SCALE 1:100 MTS.

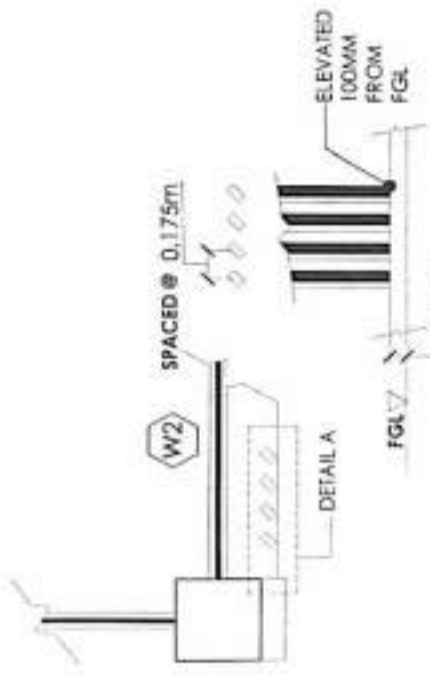


02 SECTION A
SCALE 1:100 MTS.

	ESTABLISHMENT OF TURNIK GATE LOCATION: MANJALUR, MANJALUR STATE COLLEGE CAMPUS, MANJALUR MPTL, SOUTH CITY, MANJALUR, LK	PROJECT NAME: TURNIK AND FENCE	SHEET NO.: 48 INDICATED
	DESIGNER AND REVIEWER: ENGR. CAROLINA K. KULASEKARA P. 10/17/19	APPROVED BY: ENGR. CHARLA AGRIWAS P. 10/17/19	SHEET CONTENTS: AS INDICATED

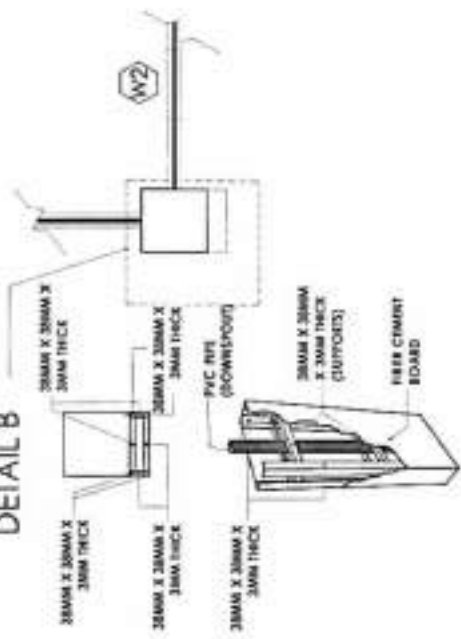


01 PARAPET WALL DETAIL SCALE 1:100 MTS.



02 DETAIL A SCALE 1:100 MTS.

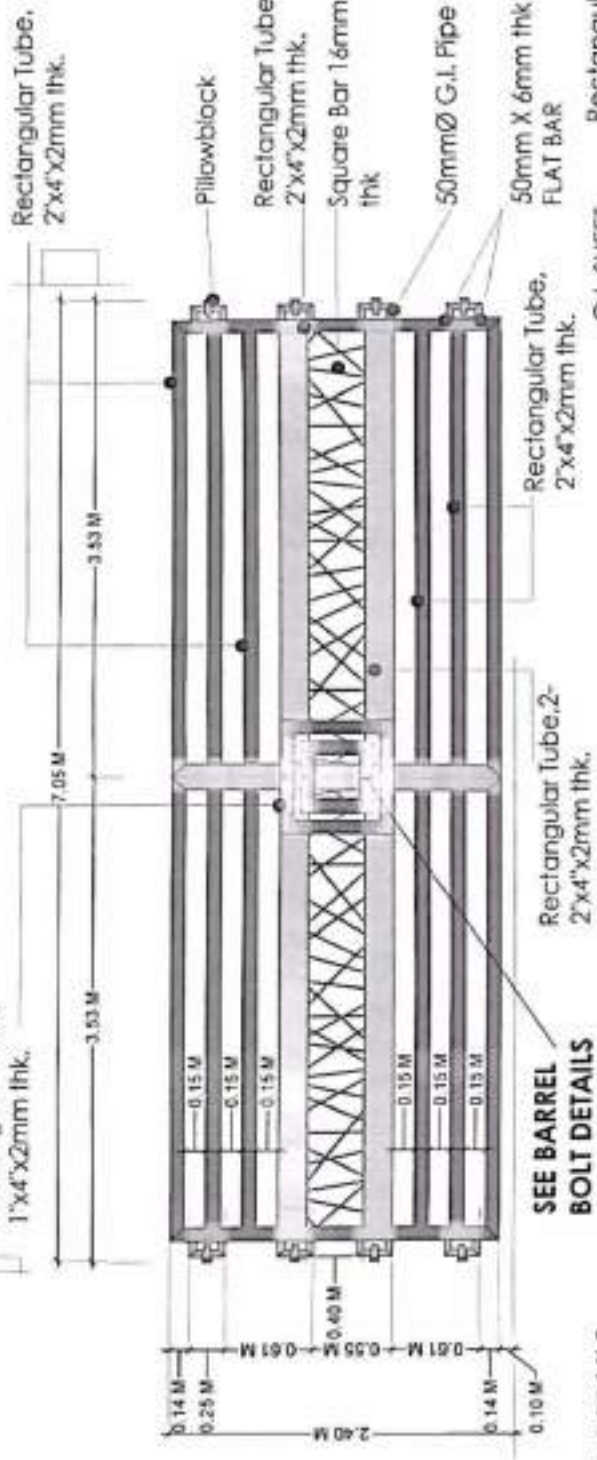
DETAIL B



03 DETAIL B SCALE 1:100 MTS.

	PREPARED BY: ENGR. CLARA ACEBRE 1988-1992	CHECKED BY: 	DESIGNED BY: ENGR. CAROLINA DELA CRUZ 1988-1992	SUPERVISOR: ALVARO R. DELA CRUZ	PROJECT NO.: 4.8 1115
DIVISION OF PUBLIC WORKS DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OFFICE OF THE CHIEF ENGINEER 1201 DR. JOSE P. DELA CRUZ BLVD., MANILA	PROJECT TITLE: REPAIR AND MAINTENANCE OF PARAPET WALLS AT DAVAO DEL SUR STATE COLLEGE CAMPUS BLDG. 1000, DAVAO DEL SUR CITY	DATE: 10/10/2023	DRAWN BY: ENGR. CLARA ACEBRE	CHECKED BY: ENGR. CLARA ACEBRE	PROJECT NO.: 4.8 1115

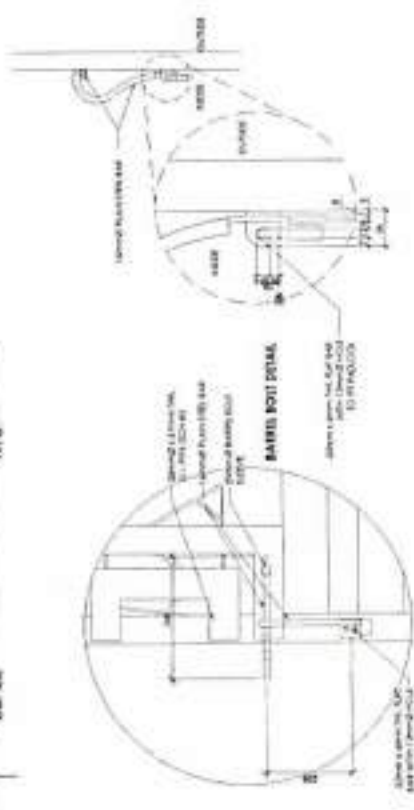
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 7.05 M
 3.53 M
 3.53 M



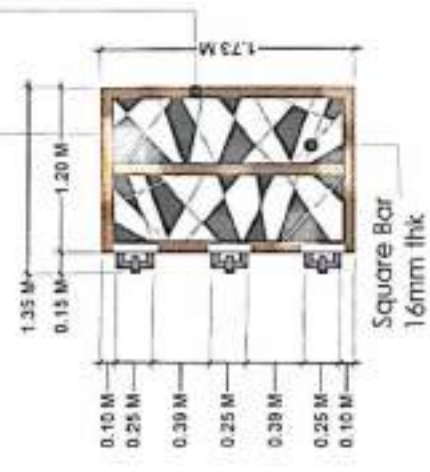
SEE BARREL BOLT DETAILS

01 GATE 1 DETAILS
SCALE NTS

Rectangular Tube, 2"x4"x2mm thk.
 Pillowblock
 Rectangular Tube, 2"x4"x2mm thk.
 Square Bar 16mm thk
 50mm Ø G.I. Pipe
 50mm X 6mm thk FLAT BAR
 Rectangular Tube, 2"x4"x2mm thk.
 G.I. SHEET (GAUGE 14)
 Rectangular Tube, 2"x4"x2mm thk.



02 BARREL BOLT DETAILS
SCALE NTS



03 GATE 2 DETAILS
SCALE NTS

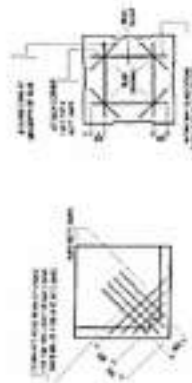
	ENGINEER ENGR. CLARA A. SOBIECH PUNJAB UNIVERSITY OF ENGINEERING AND TECHNOLOGY RAJOURI CAMPUS RAJOURI DISTRICT RAJOURI PUNJAB PAKISTAN	ARCHITECT ARCHITECTS PUNJAB PUNJAB UNIVERSITY OF ENGINEERING AND TECHNOLOGY RAJOURI CAMPUS RAJOURI DISTRICT RAJOURI PUNJAB PAKISTAN	SURVEYOR AS REQUIRED	SHEET NO.
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GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.

NO.	DESCRIPTION	UNIT	QUANTITY
1	CONCRETE	m ³	100.00
2	STEEL REINFORCEMENT	kg	5000.00
3	FORMWORK	m ²	2000.00
4	PAINT	kg	100.00
5	LABOR	man-days	1000.00

2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



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NO.	DESCRIPTION	UNIT	QUANTITY
6	CONCRETE	m ³	150.00
7	STEEL REINFORCEMENT	kg	7500.00
8	FORMWORK	m ²	3000.00
9	PAINT	kg	150.00
10	LABOR	man-days	1500.00

5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.

NO.	DESCRIPTION	UNIT	QUANTITY
11	CONCRETE	m ³	200.00
12	STEEL REINFORCEMENT	kg	10000.00
13	FORMWORK	m ²	4000.00
14	PAINT	kg	200.00
15	LABOR	man-days	2000.00

8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



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10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.

NO.	DESCRIPTION	UNIT	QUANTITY
16	CONCRETE	m ³	250.00
17	STEEL REINFORCEMENT	kg	12500.00
18	FORMWORK	m ²	5000.00
19	PAINT	kg	250.00
20	LABOR	man-days	2500.00

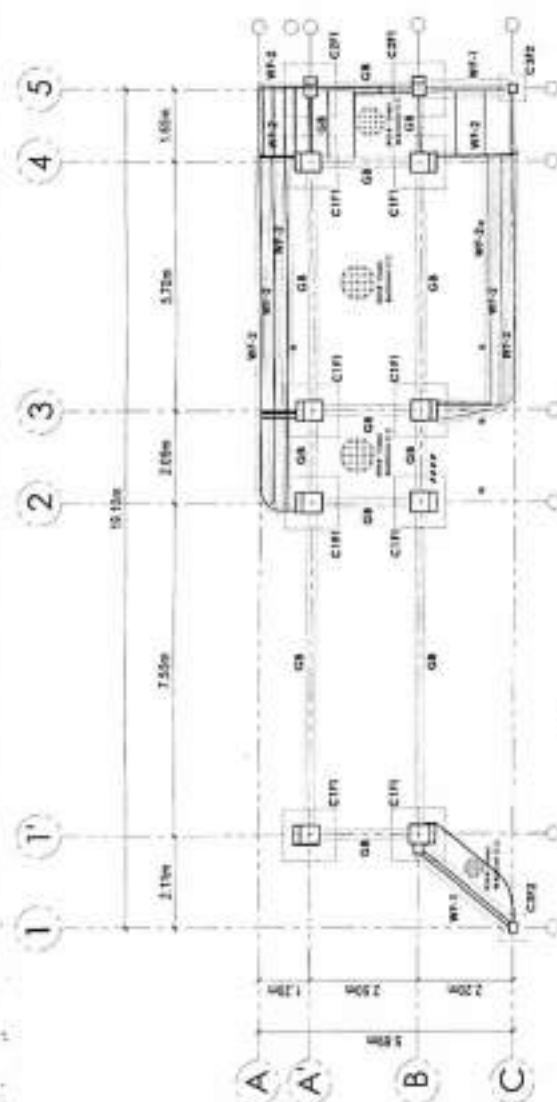
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.P. CODES AND STANDARDS PUBLISHED BY THE BUREAU OF METEOROLOGY, GEOLOGICAL AND MINING SURVEY, DEPARTMENT OF MINERAL RESOURCES AND TECHNICAL EDUCATION, MANILA.



 ENGINEERING COUNCIL OF THE PHILIPPINES	PROJECT TITLE: ESTABLISHMENT OF TURN-A-WAY JUNCTION, BARANGAY SAN ISIDRO, DISTRICT OF CALAPA, BAYAN MARIKINA CITY, QUEZON PROVINCE	CHECKED AND DESIGNED BY:  ENGR. DANILLO S. ALARCON	APPROVED BY:  ENGR. DANILLO S. ALARCON
		SHEET NO. 44	SHEET CONTENT: 44 HOURS



01 FOUNDATION PLAN
SCALE 1:100 MTS.



SCHEDULE OF FOOTING FOUNDATION

MARK	FOOTING DIMENSIONS		REINFORCEMENT BARS				EMBEDMENT (mm)	REMARKS
	THICKNESS T (mm)	WIDTH W (mm)	BAR DIAMETER (mm)	LENGTH L (mm)	TOP BARS	BOTTOM BARS		
F1	300	1000	10	1000	ALONG W	ALONG L	150	200
F2	300	800	10	800	-	3-10mm dia. 2-10mm dia.	150	200

INTERNAL REINFORCEMENT: N=20T @ 100MM X 100MM
N=40T @ 100MM X 100MM

SCHEDULE OF FOOTING RE-BEAM

MARK	LONGITUDINAL REINFORCEMENT BARS				SPACING DIMENSIONS		REMARKS
	BAR DIAMETER (mm)	LEFT SUPPORT	MIDSPAN	RIGHT SUPPORT	SPACED (mm)	SPACING	
R1	10	1	2	1	10	1000 @ 100MM (100MM @ 100MM @ 100MM)	AC 300

INTERNAL REINFORCEMENT: N=20T @ 100MM X 100MM
N=40T @ 100MM X 100MM

SCHEDULE OF REINFORCED CONCRETE COLUMN

MARK	COLUMN DIMENSIONS		REINFORCEMENT	REMARKS
	SECTION	HEIGHT		
C1	300	3000	4-10T @ 100MM	200
C2	300	3000	4-10T @ 100MM	200

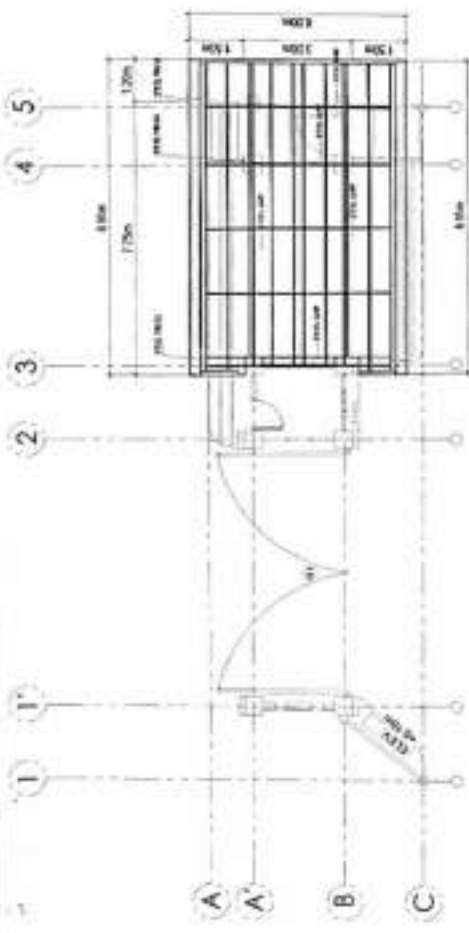
DEPARTMENT OF SURVEYING AND MAPPING
 UNIVERSITY OF THE PHILIPPINES DILIMAN
 QUEZON CITY, PHILIPPINES

PREPARED BY:
 ENGR. CARLOS S. VELASCO
 PROJECT ENGINEER

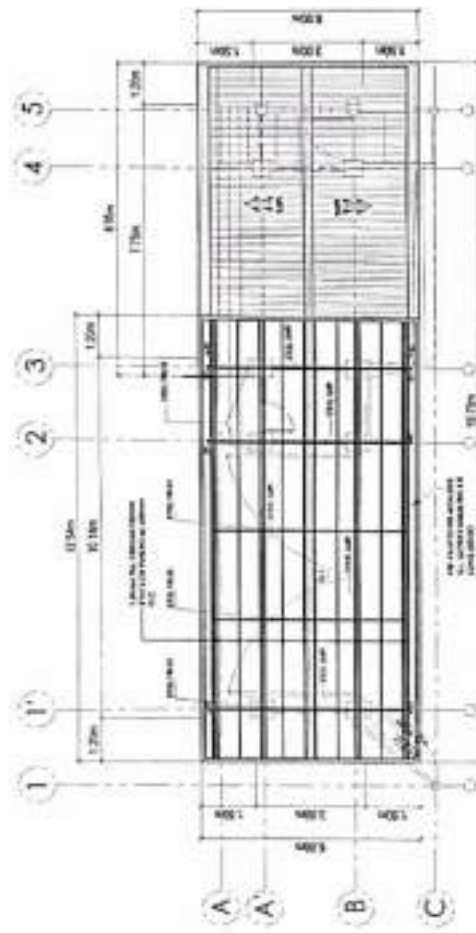
CHECKED BY:
 ENGR. CLARA S. ACEBES
 PROJECT ENGINEER

APPROVED BY:
 ENGR. R. M. REYES, P.E.
 ASSESSOR

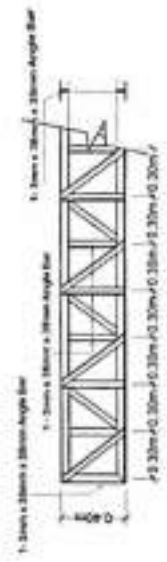
DATE: 01/15/2024



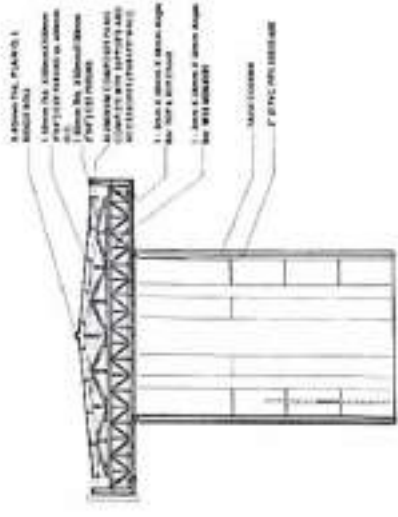
01 ROOF FRAMING PLAN 1
SCALE 1:125 MTS



02 ROOF FRAMING PLAN 2
SCALE 1:125 MTS



03 TYPICAL GIRT DETAILS
SCALE NTS



04 TRUSS SECTION DETAIL
SCALE NTS

PREPARED BY: ENGR. CAROLINA ALLENDA PROJECT: PORT			CHECKED BY: ENGR. CAROLINA ALLENDA PROJECT: PORT			APPROVED BY: ENGR. CAROLINA ALLENDA PROJECT: PORT			DATE: 03/20/2024
ESTABLISHMENT OF RAIN-A-GATE LOCATION: BARCELONA, BAYVIEW, CALABARZON MAIN ENGINEER: DR. JAMES DE VERA			PROJECT: PORT			PROJECT: PORT			PROJECT: PORT

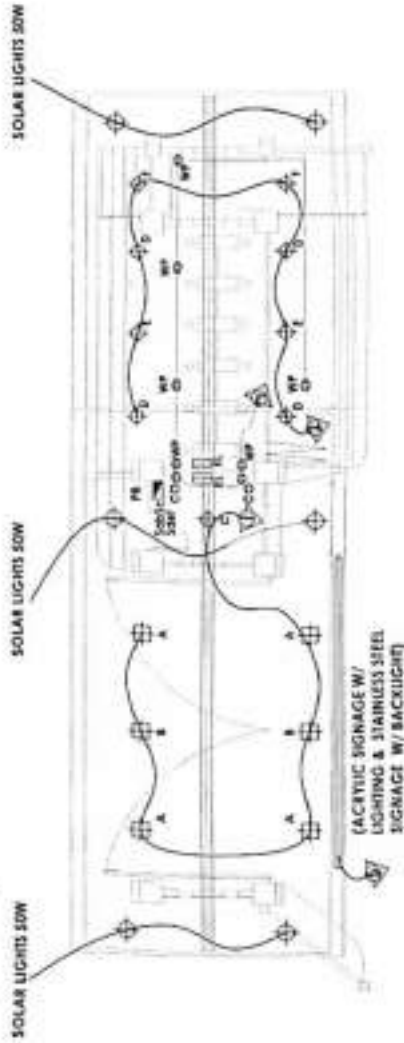
ELECTRICAL NOTES AND SPECIFICATIONS:

- ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) I.E. THE RULES AND REGULATIONS OF THE LOCAL EMPLOYING AUTHORITIES AND THE LOCAL POWER COMPANY
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE IMMEDIATE SUPERVISION OF A DAILY LICENSED AND REGISTERED ELECTRICAL PRACTITIONER
- THE ELECTRICAL SERVICE POWER SHALL BE THREE PHASE, 3-WIRE, 230 VAC AND 60-HERTZ.
- ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THIN" UNLESS OTHERWISE INDICATED IN THIS PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3-WIRE AND INSULATED FOR 600 VOLTS. THE SMALLEST RACEWAY SHALL BE 3-WIRE AND INSULATED FOR 600 VOLTS. THE SMALLEST RACEWAY SHALL BE 10 mm Ø TRADE-NOMINAL
- ALL OUTLETS SHALL BE GALVANIZED DAUNGE NO. 18 "DEEP" TYPE WITH FACTORY ANKOR-OUTS
- ALL MATERIALS TO BE USED SHALL BE BRAND-NEW AND APPROVED TYPE FOR PARTICULAR LOCATION AND PURPOSE OF USAGE
- GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE (PEC) REQUIREMENTS
- MOUNTING HEIGHTS FROM FINISH FLOOR LEVEL SHALL BE AS FOLLOWS:

- LIGHTING SWITCHES 1.37 meters above finish floor line
- CONVENIENCE OUTLETS 0.30 meters above finish floor line
- PANEL BOARD 1.80 meters above finish floor line
- FLOWMETER 1.50 meters above finish floor line

ELECTRICAL LEGEND:

- ⊕ LIGHTING OUTLET
- ⊕ CONVENIENCE OUTLET
- ⊕ AC CONVENIENCE OUTLET
- ⊕ CIRCUIT HOMERUN (AS INDICATED)
- ⊕ PANEL BOARD
- ⊕ CIRCUIT BREAKER (AS INDICATED)
- ⊕ FLOWMETER METER
- ⊕ SERVICE ENTRANCE
- ⊕ GROUNDING SYSTEM
- ⊕ SWITCH LINE
- ⊕ POWER LINE
- S1 ONE GANG LED ILLUMINATED SWITCH
- S2 TWO GANG LED ILLUMINATED SWITCH
- S3W TWO GANG LED ILLUMINATED SWITCH
- SCF TWO GANG LED ILLUMINATED SWITCH
- EL - EMERGENCY LIGHT
- LED STRIP LIGHT
- WALL MOUNTED LAMP

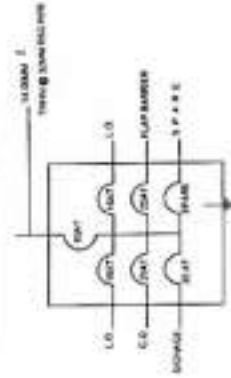


ELECTRICAL LAY-OUT PLAN

SCALE: 1:10

SET NO.	DESCRIPTION	# OF OUTLETS	WAMP OUTLET	TOTAL VA	CURRENT	MCB	WIRE	PIPE
EXT 1	L.O	1	100	300	3.15	16.41	1.5MM ²	15MM
EXT 2	L.O	6	100	600	3.63	16.41	1.5MM ²	15MM
EXT 3	C.O	6	300	1800	13.05	20.47	3.5MM ²	18MM
EXT 4	PUMP BARBERS	6	600	3600	16.34	22.47	5.0MM ²	18MM
EXT 5	SIGNAGE	1	2000	2000	9.09	16.41	3.5MM ²	15MM
EXT 6	S.P.A.R.E		2000	2000	9.09			
				54.46	43		14MM ²	25MM

RISER DIAGRAM



PROJECT TITLE	PROJECT NO.	DATE	SCALE
ESTABLISHMENT OF TRAINING CENTER LOCATED: BARCELON, BARCELON, CEBU CITY, PHILIPPINES MAY 2020 (BY: BARCELON, CEBU CITY)	NO. 1234	10/10/2020	1:10
DESIGNER	APPROVED BY	DATE	
PROJECT CHIEF / ELECTRICAL ENGINEER	PROJECT CHIEF / ELECTRICAL ENGINEER	10/10/2020	
PROJECT NO.	DATE	SCALE	
1234	10/10/2020	1:10	

A. GENERAL CONDITIONS

THE WORKS COVERED UNDER THIS CONTRACT SHALL INCLUDE ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THE BUILDING AS SHOWN ON THE DRAWING AND AS SPECIFIED HEREIN. AFTER ALL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A LICENSED PLUMBER SPECIFIED AND OF THE METHODS AS PRESCRIBED BY THE NATIONAL PLUMBING CODE OF THE PHILIPPINES.

B. DRAWING AND SPECIFICATIONS

THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSIDERED COMPLETIVE, ANYTHING NOT SHOWN ON THE PLANS BUT ORDERED SHALL BE PART OF THE WORK.

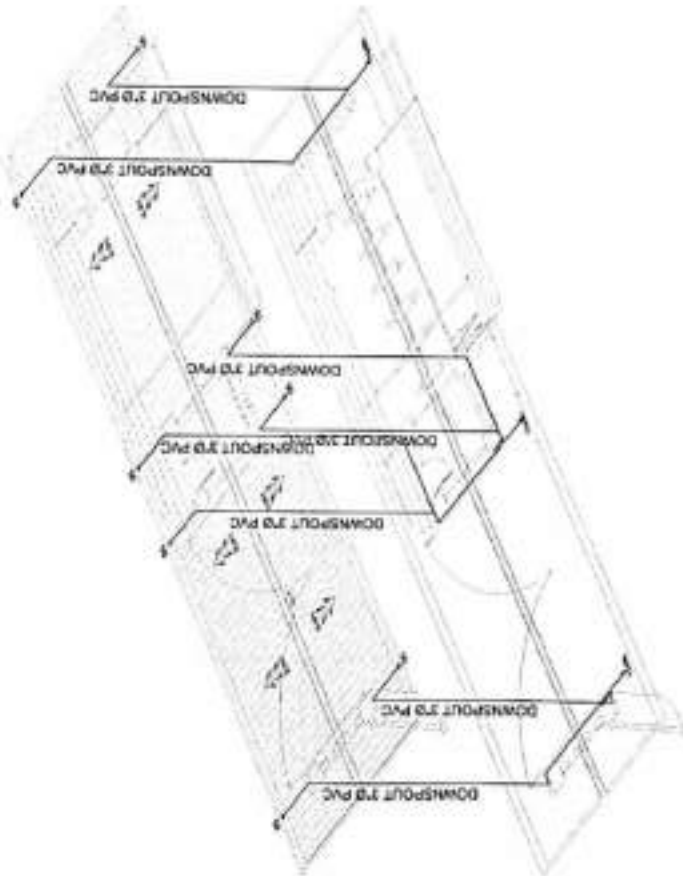
C. ALTERATION OF PLANS AND CHANGE OF MATERIALS

NO ALTERATION ON THE PLAN AND CHANGE OF MATERIALS SHALL BE MADE WITHOUT THE FIRST CONSULTING THE ENGINEER OR ARCHITECT IN CHARGE. GOOD AND PROPER ENGINEERING PRACTICES SHALL BE THE GUIDELINES FOR THE CONSTRUCTION OF UNEXPECTED ITEMS OF WORK.

D. PLUMBING NOTES

ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES AND FOLLOWING THE LOCAL AND INTERNATIONAL STANDARDS AND REGULATIONS. THE DRAWINGS AND SPECIFICATIONS SHALL BE NEUTRAL TO THE LIABILITY OF ANY OCCUPANCY. WORK SHALL BE WITH YOUR APPROVAL OF THE ARCHITECT AND ENGINEER. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH, AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS REFERRED BY THE CONTRACTOR. MINIMUM SLOPE FOR SEWER AND DRAIN LINES SHALL BE 2% UNLESS OTHERWISE INDICATED. USE 50mm PVC PIPES FOR SINKS, FLOOR DRAINS, AND VENTILATION. USE 100mm PVC PIPES FOR MAIN LINES AND WATER CLOSETS. PROVIDE AN AIR CHAMBER OF AT LEAST 150mm AT EVERY WATER SUPPLY BRANCH TO FITTINGS OR GROUP OF FITTINGS. ALL SEWER LINES, MAIN VENT STACKS, AND CIRCUIT VENTS SHALL BE UPVC PVPF SERIES 3000 BY "MILIKY" HIGH IMPACT.

NOTE: ALL MOUNTING HEIGHTS SHALL BE SUBJECT TO THE ARCHITECT OR ENGINEER'S APPROVAL.



D1 ISOMETRIC VIEW
SCALE NTS

	PROJECT TITLE: RENOVATION OF PLUMBING SYSTEM	SHEET NO.: PL-1
	SHEET COUNT: 10	IN CHARGE: [Signature]
PROJECT NO.: 153-2024-001	PROJECT LOCATION: UNIVERSITY OF CALABANGAN	PROJECT DATE: 2024-05-01
PROJECT OWNER: UNIVERSITY OF CALABANGAN	PROJECT MANAGER: [Signature]	PROJECT ENGINEER: [Signature]
PROJECT ADDRESS: UNIVERSITY OF CALABANGAN, CALABANGAN CITY, DENZON, ILOILO	PROJECT STATUS: UNDERWAY	PROJECT BUDGET: PHP 1,500,000
PROJECT CONTACT: PLUMBING DIVISION	PROJECT CONTACT PERSON: ENGR. CLARA A. SERRES	PROJECT CONTACT PHONE: 0917-123-4567

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

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

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

Signature Box

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

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



Name of the Project: ESTABLISHMENT OF TURN-IN GATE
 Location: DAVAO DEL SUR STATE COLLEGE CAMPUS
 Scope of Work: As per Item Number

BILL OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	Permits and Clearances	1.00	lt.		
2	Project Billboard / Signboard	1.00	ea.		
3	Occupational Safety and Health Program	1.00	lt.		
4	Mobilization / Demobilization	1.00	lt.		
5	Removal of Structures and Obstruction	1.00	lt.		
6	Structure Excavation, Common Soil	31.25	m3		
7	Embankment from Structure Excavation	23.29	m3		
8	Embankment From Borrow	22.21	m3		
9	Gravel fill	10.30	m3		
10	Structural Concrete for Wall Footing (Class A, 28 days)	4.42	m3		
11	Structural Concrete for Footing (Class A, 28 days)	4.54	m3		
12	Structural Concrete (Slab on fill), Class A, 28 days	5.47	m3		
13	Structural Concrete, Class A, 28 days (GRADE BEAM)	2.79	m3		
14	Structural Concrete for Column (Class A, 28 days)	10.35	m3		
15	Reinforcing Steel (Deformed), Grade 40	3249.56	kg		
16	Formworks and Falseworks	113.72	m2		
17	Soil Poisoning	5.00	liters		
18	CHB non load bearing (including Reinforcing Steel), 100 mm thk.	118.44	m2		
19	Cement Plaster Finish	187.92	m2		
20	Doors, Wood Panel	1.89	m2		
21	Aluminum Glass Windows, Sliding Type	2.76	m2		
22	Fake Columns, 3.5mm thk., Metal Frame, Fiber Board	30.16	m2		
23	Ceiling, 3.5mm thk., Metal Frame, Fiber Cement Board	138.94	m2		
24	Parapet, Metal Frame, 4.5mm thk. Hbar Cement Board	63.68	m2		
25	Glazed tiles and Trims	4.70	m2		
26	Painting Works	324.66	m2		
27	Painting Works, Steel	171.11	m2		
28	Prepainted Metal Sheets, above 0.427mm thk., Rib Type, Long Span	128.04	m2		
29	Fabricated Metal Roofing Accessory, Gauge 26, Ridge/Hip Rolls	21.50	m.m.		
30	Fabricated Metal Roofing Accessory, Gauge 26, Flashings	24.00	m.m.		
31	Fabricated Metal Roofing Accessory, Gutters	64.95	m.m.		
32	Structural Steel Truss	368.02	kg		
33	Structural Steel, Purlins	642.70	kg		
34	Structural Steel, GIRT	626.40	kg		
35	Gate	1.00	lt.		
36	Storm Drainage and Downspout	1.00	lt.		
37	Wires and Wiring Devices	1.00	lt.		
38	Panelboard with Main and Branch Breakers	1.00	lt.		
39	Lighting Fixtures and Lamps	1.00	lt.		
40	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	1.00	lt.		
				GRAND TOTAL	

Submitted by _____

Date: _____

 Name and Signature of the Bidder's Representative

 Position

 Name of the Bidder



Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- (d) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**
- (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid;
 - b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
 - c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

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

Class "B" Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

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

