



REPUBLIC OF THE PHILIPPINES
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
BUNAWAN, AGUSAN DEL SUR

BIDDING DOCUMENTS

Procurement

of

CONSTRUCTION OF RDEC

FOOD INNOVATION

CENTER

Sixth Edition
July 2020

Preface

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

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

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

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

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

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

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

TABLE OF CONTENTS

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

7.	Warranty.....	24
8.	Liability of the Contractor.....	24
9.	Termination for Other Causes.....	24
10.	Dayworks	25
11.	Program of Work.....	25
12.	Instructions, Inspections and Audits	25
13.	Advance Payment.....	25
14.	Progress Payments	25
15.	Operating and Maintenance Manuals.....	26
	Section V. Special Conditions of Contract.....	27
	Section VI. Specifications	30
	Section VII. Drawings.....	32
	Section VIII. Bill of Quantities	45
	Section IX. Checklist of Technical and Financial Documents	48

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.



REPUBLIC OF THE PHILIPPINES
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
Bunawan, Agusan del Sur

INVITATION TO BID FOR

Procurement of Construction of RDEC Food Innovation Center

1. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)*, through the *General Appropriations Act (GAA) 2021* intends to apply the sum of *Twenty-Seven Million Six Hundred Eleven Thousand Five Hundred Sixty Pesos (Php 27,611,560.00)* being the Approved Budget for the Contract (ABC) to payments under the contract for *Procurement of Construction of RDEC Food Innovation Center*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* now invites bids for the above Procurement Project. Completion of the Works is required *240 Calendar Days*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* and inspect the Bidding Documents at the address given below from *Monday to Friday 8:00am to 5:00pm*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *December 19, 2020* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of *Php 25,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees through in person or through electronic means using the following Bank Details:

Account Name: **ASSCAT Fund 164**
Account Number: **0972-1162-54**
Branch: **Land Bank of the Philippines San Francisco, Agusan del Sur**

6. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* will hold a Pre-Bid Conference¹ on *December 28, 2020, 10:00 o'clock in the morning* at the *Conference Room, Administration Building, ASSCAT, Bunawan, Agusan del Sur* and/or through video conferencing *via Zoom Video Conferencing*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below or through online or electronic submission as indicated below, on or before *January 11, 2021 at 9:00 am*. 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 *January 11, 2021 at 10:00 am* at the *Conference Room, Administration Building, ASSCAT, Bunawan, Agusan del Sur* and/or *via Zoom Video Conferencing*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. Interested Bidders may submit their bidding documents via electronic means on or before *January 11, 2021 at 9:00 o'clock in the morning* provided that the submitted e-documents uses a two-factor security procedure consisting of an archive format compression and password protection to ensure the security, integrity and confidentiality of the bids submitted. The passwords for accessing the file will be disclosed by the Bidders only during the actual bid opening schedule on *January 11, 2021 at 10:00 o'clock in the morning (GPPB Resolution No. 09-2020, Item 4.2)*.

Further, bidders are still required to submit their bidding documents in three (3) hard copies (1 Original and 2 Certified True Copies) via hand-carry or via courier. Said documents must be sent to the following address:

Receiver's Name: **ASSCAT Bids and Awards Committee (BAC)**
 Receiver's Address: **Administration Building, ASSCAT, San Teodoro, Bunawan, Agusan del Sur**
 Contact Numbers: **Smart 0910-3356-268 (Call and Text)**
Globe 0917-1497-698 (Call Only)

For more information, queries and clarifications, the BAC Secretariat can be reached through the following:

E-mail Address: **asscat_bac@yahoo.com**
 Mobile Numbers: **Smart 0910-3356-268 (Call and Text)**
Globe 0917-1497-698 (Call Only)

11. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016

revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

LEOLYN MAE P. JUSAY
Chair, BAC Secretariat
Procurement Office
ASSCAT, Bunawan, Agusan del Sur
09103356268/09171497698

13. You may visit the following websites:

For downloading of Bidding Documents, please visit ***asscat.edu.ph***

For online bid submission, please email to ***asscat_bac@yahoo.com***

October 29, 2020

(sgd) BELEN S. DELA PEÑA, Ph.D.
BAC Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* invites Bids for the *Procurement of Construction of RDEC Food Innovation Center*, with Project Identification Number 2021-007.

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 2021 in the amount of *Twenty-Seven Million Six Hundred Eleven Thousand Five Hundred Sixty Pesos (Php 27,611,560.00)*.

2.2. The source of funding is:

[If an early procurement activity, select one and delete others:]

a. NGA, the National Expenditure Program.

3. Bidding Requirements

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

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

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

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

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and

obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA’s CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

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

5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

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

7. Subcontracts

7.1. The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

7.1. 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 notarized Affidavit of Site Inspection released from the Physical Plant Office is required. Schedule of Site Inspection will be after the Prebid Conference and before the scheduled Opening of Bids.
- 10.4. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.5. 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**.
- 10.6. 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 for 120 calendar days from the receipt of the 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

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

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

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.

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

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall

submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

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

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	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>Earthworks, Concrete works, reinforcing steel, masonry, tileworks, painting works, plumbing works, electrical works, doors and window, ceiling works, steel works, railings, roofing and slope protection structure.</i>															
7.1	<i>[Specify the portions of Works and the maximum percentage allowed to be subcontracted, which shall not be significant or material components of the Project as determined by the Procuring Entity.]</i>															
10.3	<i>[Specify if another Contractor license or permit is required.]</i>															
10.4	The key personnel must meet the required minimum years of experience set below: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Key Personnel</u></th> <th style="text-align: left;"><u>General Experience</u></th> <th style="text-align: left;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td>Project Manager-</td> <td>3 yrs.</td> <td></td> </tr> <tr> <td>Project Engineer-</td> <td>2 yrs.</td> <td></td> </tr> <tr> <td>Material Engineer-</td> <td>1 yr.</td> <td></td> </tr> <tr> <td>Foreman</td> <td>1 yr.</td> <td></td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Manager-	3 yrs.		Project Engineer-	2 yrs.		Material Engineer-	1 yr.		Foreman	1 yr.	
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>														
Project Manager-	3 yrs.															
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10.5	The minimum major equipment requirements are the following: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Capacity</u></th> <th style="text-align: left;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>Dump truck</td> <td>6 cu.m</td> <td>3 units</td> </tr> <tr> <td>Dozer</td> <td></td> <td>1 unit</td> </tr> <tr> <td>Road Compactor</td> <td>2 tonner</td> <td>1 unit</td> </tr> <tr> <td>Concrete Mixer</td> <td>1 bagger</td> <td>2 units</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Dump truck	6 cu.m	3 units	Dozer		1 unit	Road Compactor	2 tonner	1 unit	Concrete Mixer	1 bagger	2 units
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>														
Dump truck	6 cu.m	3 units														
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Concrete Mixer	1 bagger	2 units														
12	<i>[Insert Value Engineering clause if allowed.]</i>															
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than <i>two percent (2%) of ABC</i>, 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 <i>five percent (5%) of ABC</i>, if bid security is in Surety Bond. 															
19.2	Partial bids are not allowed.															
20	<i>[List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.]</i>															
21	The following documents shall be submitted by the winning BIDDER within ten (10) calendar days from receipt of the Notice of Award (NOA): a) Construction Schedule and S-curve; b) Manpower Schedule;															

	<p>c) Construction Methods;</p> <p>d) Equipment utilization schedule;</p> <p>e) Construction Safety and Health Program approved by the Department of Labor and Employment; evidence of submission as received by DOLE is acceptable).</p> <p>f) Program Evaluation and Review Technique (PERT)/Critical Path Method (CPM).</p>
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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**

4.1. 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.

4.2. 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>[If different dates are specified for completion of the Works by section, i.e. “sectional completion,” these dates should be listed here.]</i>
4.1	<i>[Specify the schedule of delivery of the possession of the site to the Contractor, whether full or in part.]</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
10	<p><i>[Select one, delete the other:]</i></p> <p style="padding-left: 40px;">a. Dayworks are applicable at the rate shown in the Contractor’s original Bid.</p> <p style="padding-left: 40px;">b. No dayworks are applicable to the contract.</p>
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> .

	The date by which “as built” drawings are required is <i>[date]</i> .
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .

Section VI. Specifications

Notes on Specifications

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

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

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

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

Sample Clause: Equivalency of Standards and Codes

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


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

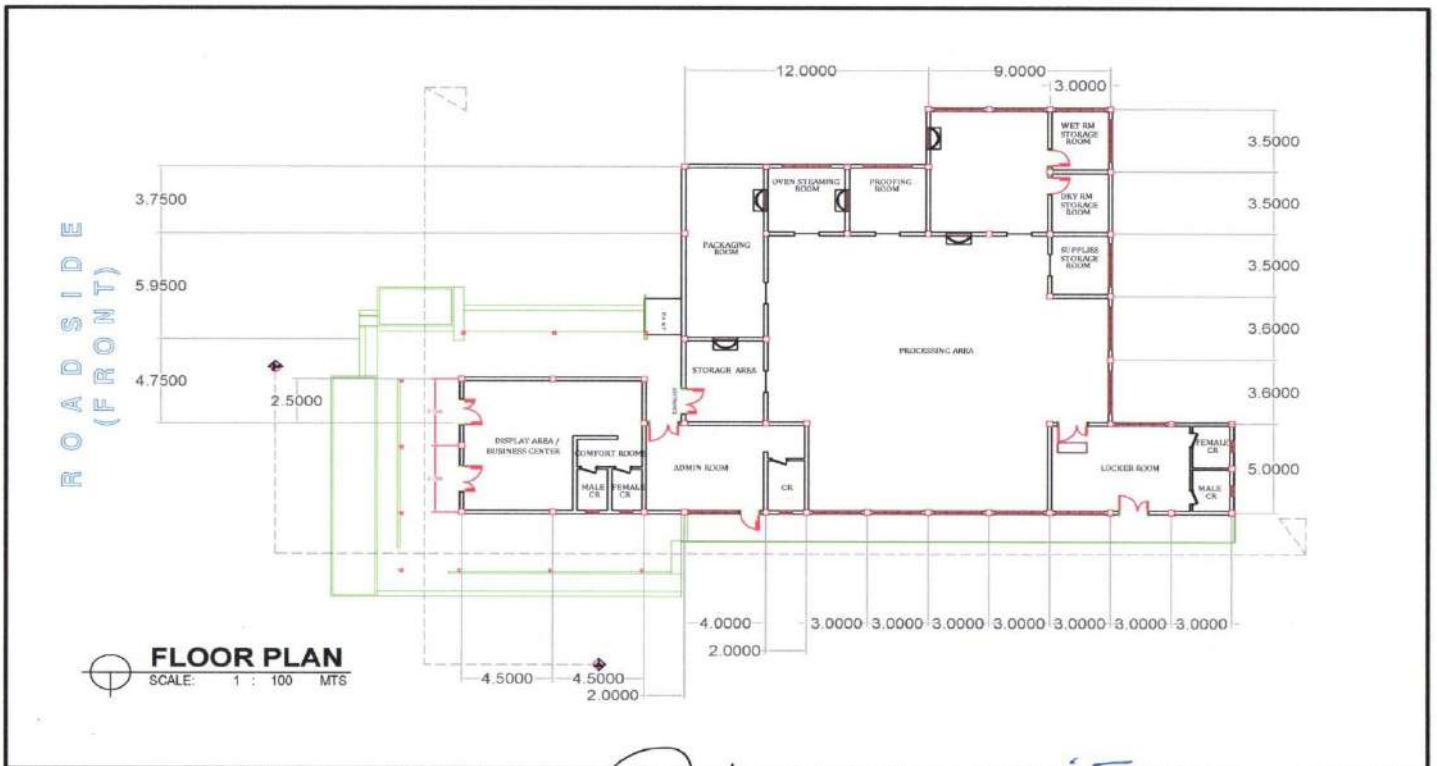
These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.

Section VII. Drawings

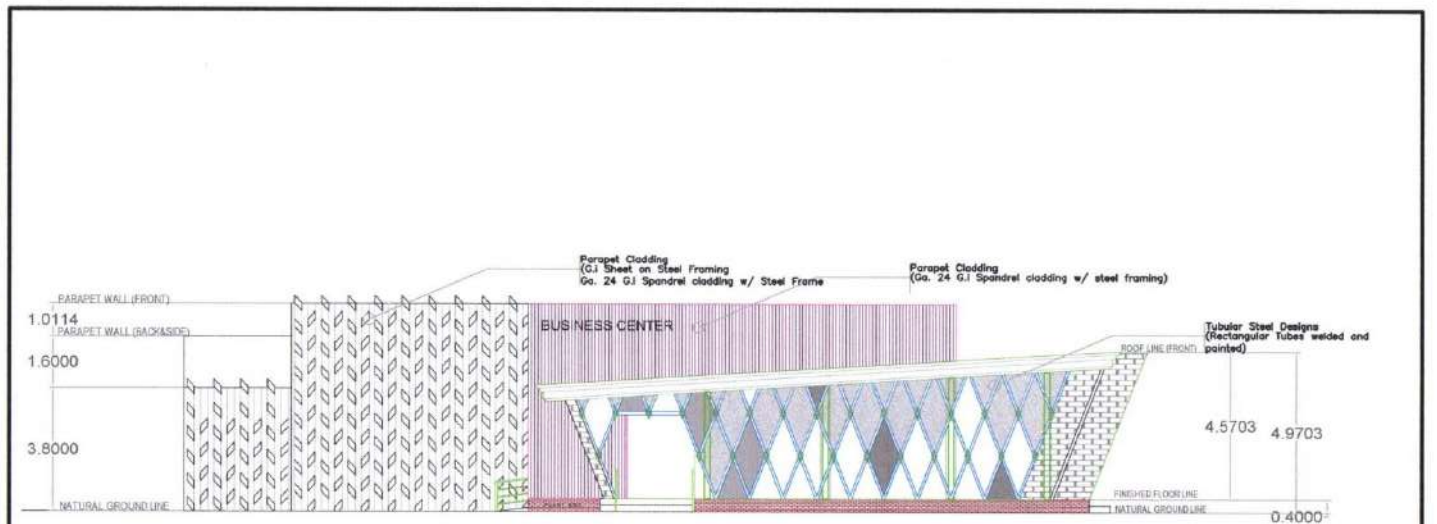


PERSPECTIVE

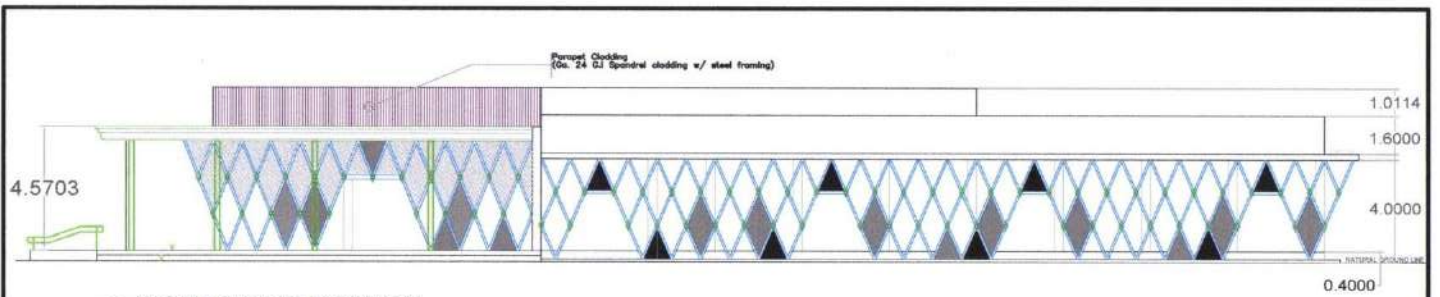
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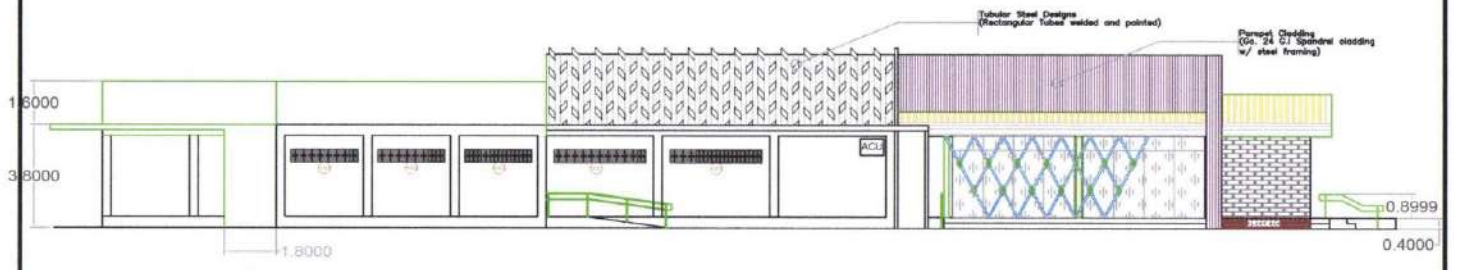
CRAFTED BY: ISMAEL C. DE LA PEÑA, JR. <small>Staff Architect, Office of Physical Facilities</small>	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGARDO, C.E. <small>Project Engineer</small>	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TEOCORO, BAYANAN, ADOGAN DEL SUR PROJECT OWNER: SENAR RO. SA. STATE COLLEGE OF AGRICULTURE TERMILO	REVIEWED BY: RAM B. CALDECO, C.E. <small>Director, Infrastructure and Other Physical Facilities</small>	RECOMMENDING APPROVAL: GLENN ANILLA <small>VP for Administration, Finance and Planning</small>	APPROVED BY: JOY C. ESTRADA <small>COLLEGE PRESIDENT</small>	SHEET CONTENT: FLOOR PLAN	SHEET NO.: 2 24
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CRAFTED BY: ISMAEL C. DE LA PEÑA, JR. <small>Staff Architect, Office of Physical Facilities</small>	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGARDO, C.E. <small>Project Engineer</small>	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TEOCORO, BAYANAN, ADOGAN DEL SUR PROJECT OWNER: SENAR RO. SA. STATE COLLEGE OF AGRICULTURE TERMILO	REVIEWED BY: RAM B. CALDECO, C.E. <small>Director, Infrastructure and Other Physical Facilities</small>	RECOMMENDING APPROVAL: GLENN ANILLA <small>VP for Administration, Finance and Planning</small>	APPROVED BY: JOY C. ESTRADA <small>COLLEGE PRESIDENT</small>	SHEET CONTENT: FRONT ELEVATION	SHEET NO.: 3 24
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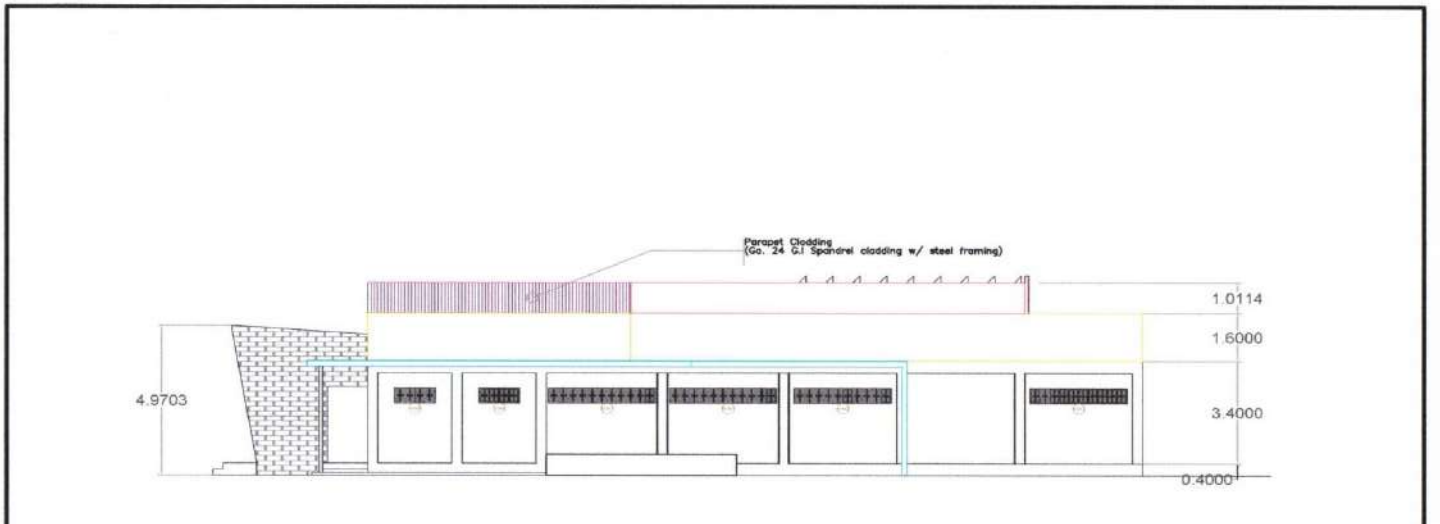


RIGHT SIDE ELEVATION
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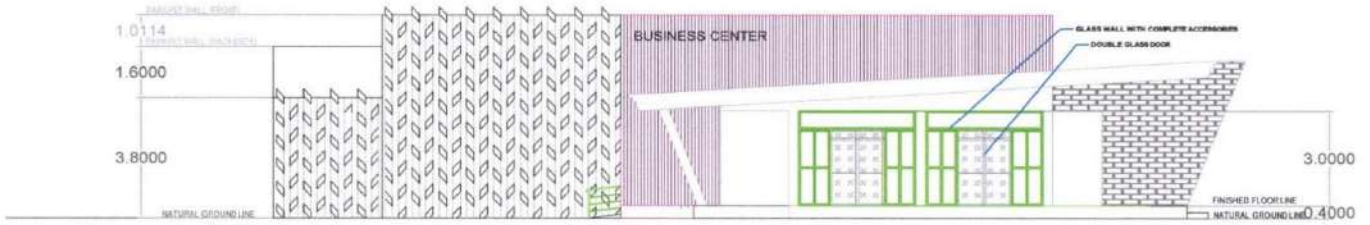
LEFT SIDE ELEVATION
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DRAFTED BY: ISMAEL C. LA PERA, JR. Staff Architect - Civil/Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGASID, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TEODORO, BUNAWAN, AGLUANE DEL SUR PROJECT OWNER: KAGAMING SAN ISTATE COLLEGE OF AGRICULTURE AND MECHANICAL ENGINEERING	REVIEWED BY: RAM E. CALDEO, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENE S. NALLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPISTRANO COLLEGE PRESIDENT	SHEET CONTENT: RIGHT SIDE ELEVATION LEFT SIDE ELEVATION	SHEET NO.: 4 24
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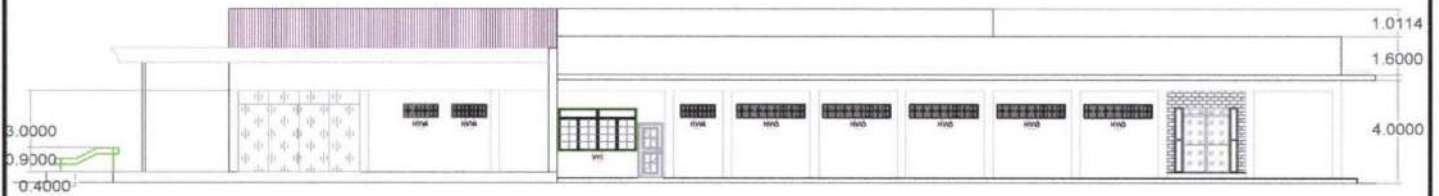


REAR ELEVATION
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DRAFTED BY: ISMAEL C. LA PERA, JR. Staff Architect - Civil/Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGASID, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TEODORO, BUNAWAN, AGLUANE DEL SUR PROJECT OWNER: KAGAMING SAN ISTATE COLLEGE OF AGRICULTURE AND MECHANICAL ENGINEERING	REVIEWED BY: RAM E. CALDEO, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENE S. NALLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPISTRANO COLLEGE PRESIDENT	SHEET CONTENT: REAR ELEVATION	SHEET NO.: 5 24
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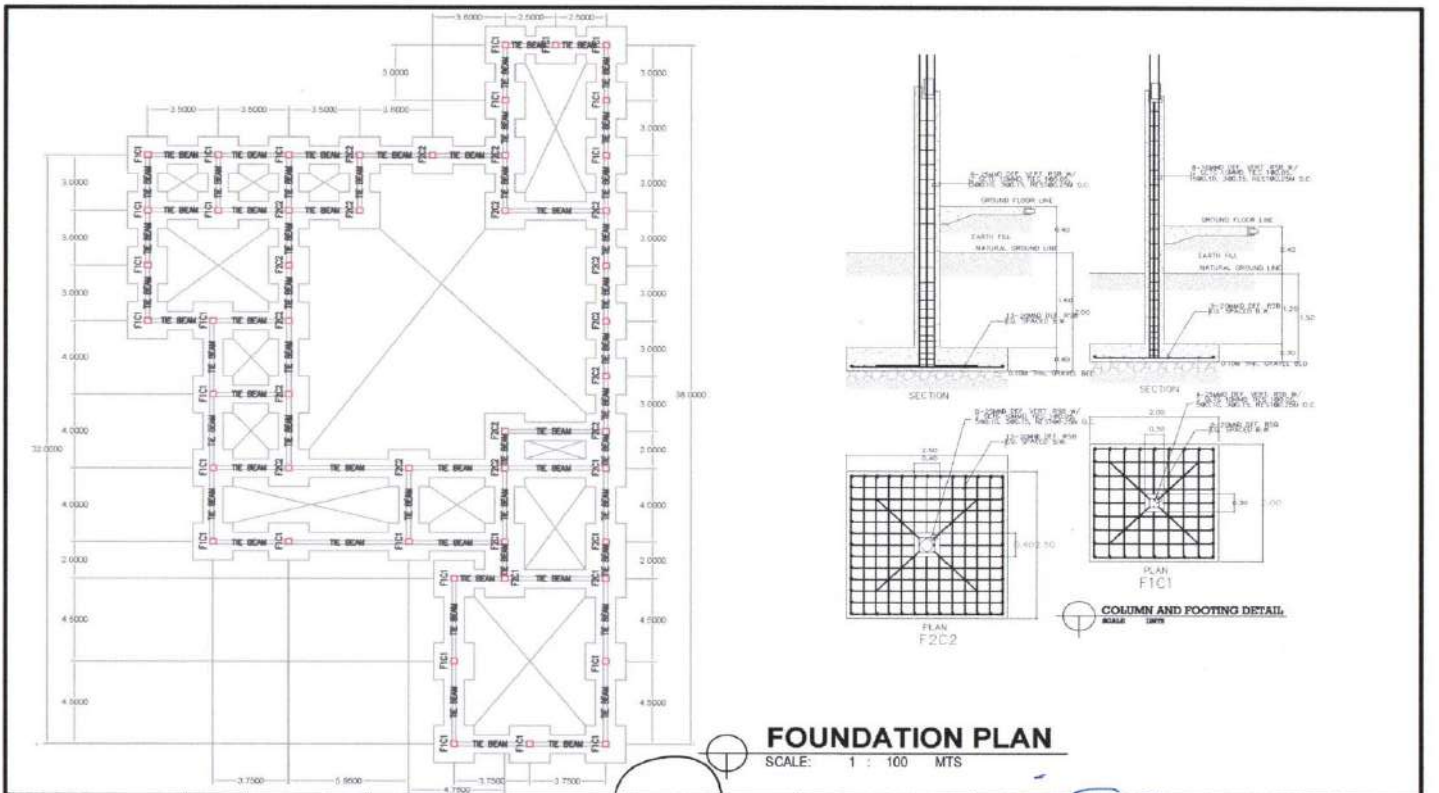


SECTION A ELEVATION
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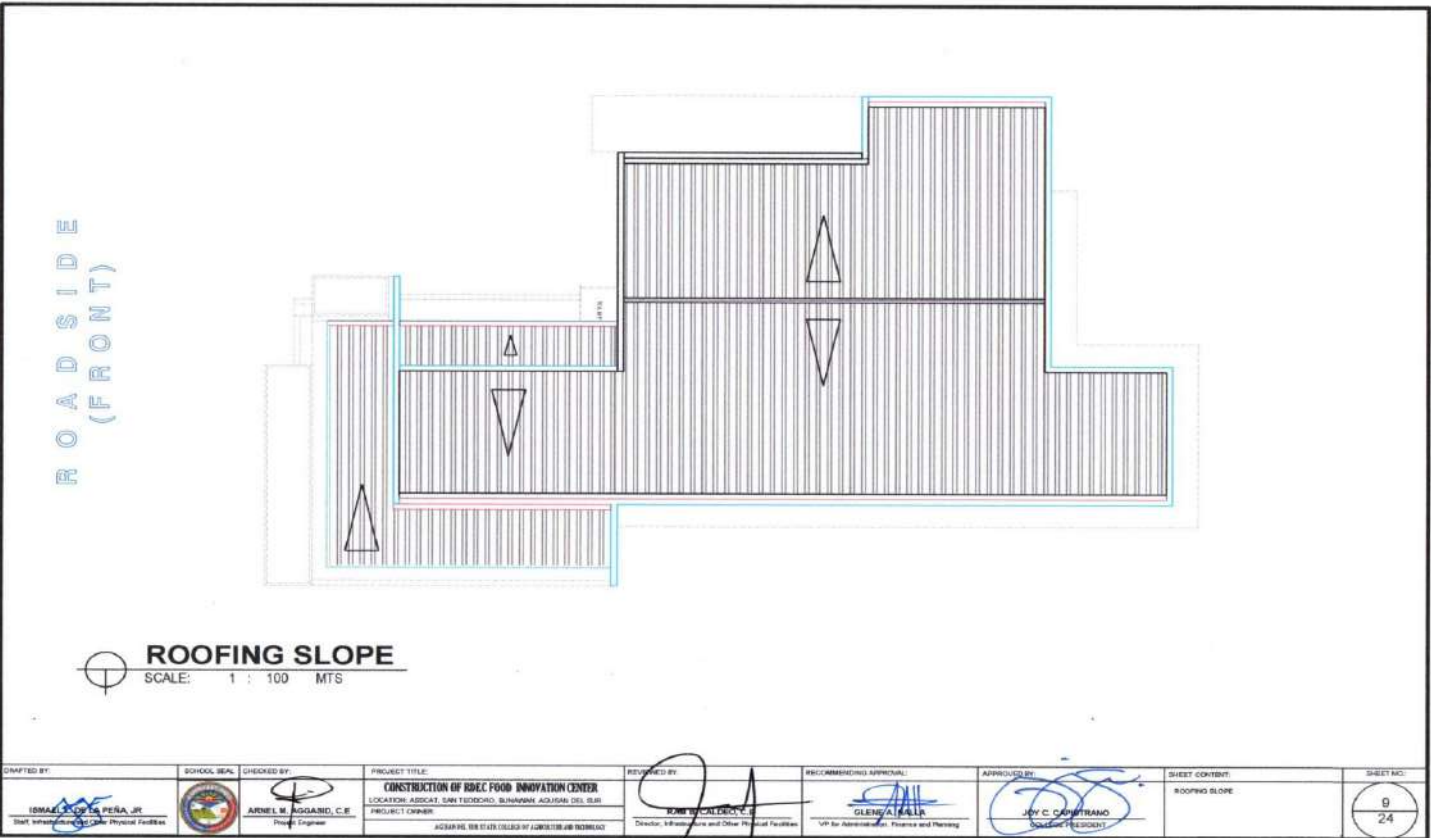
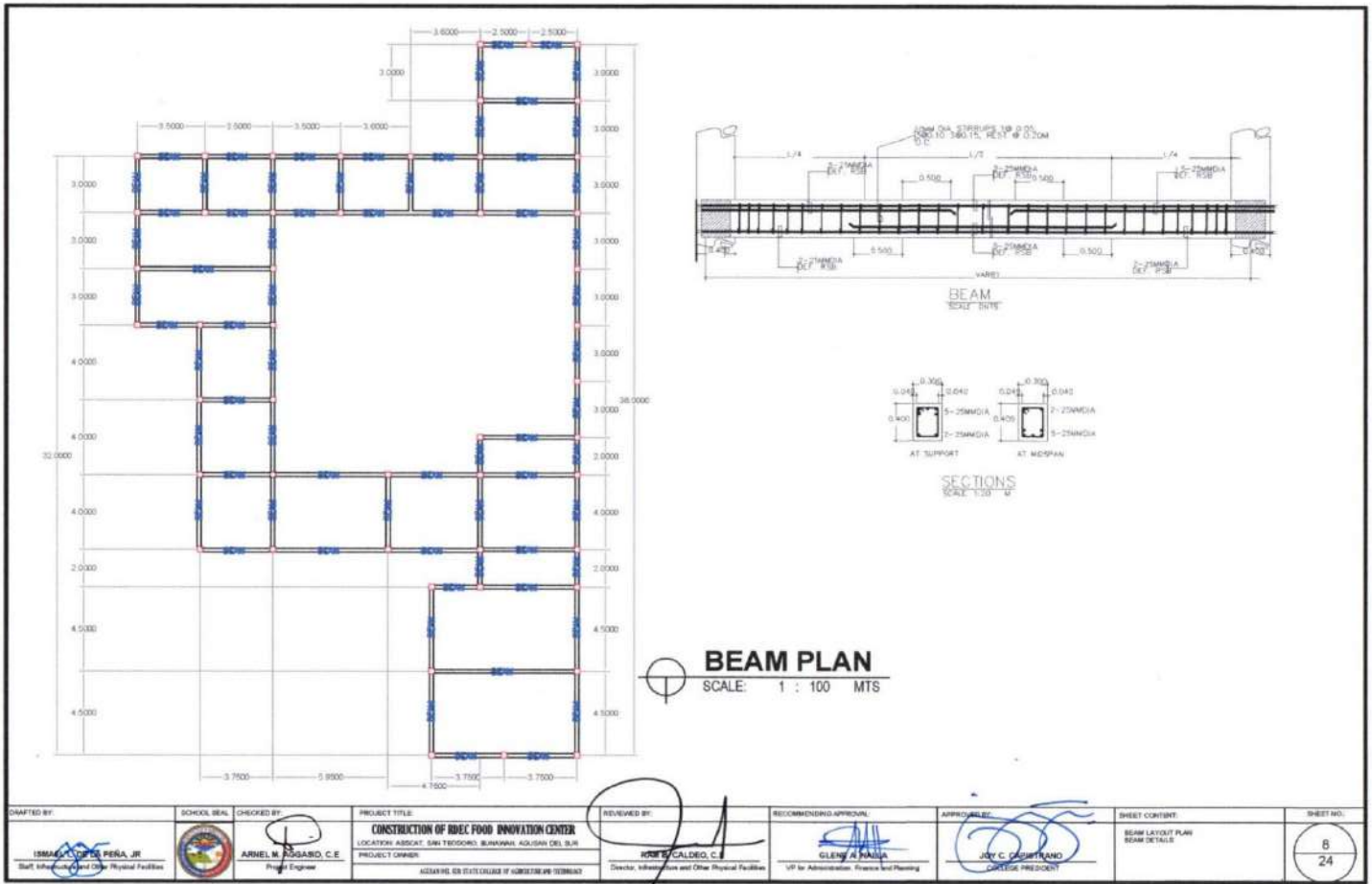
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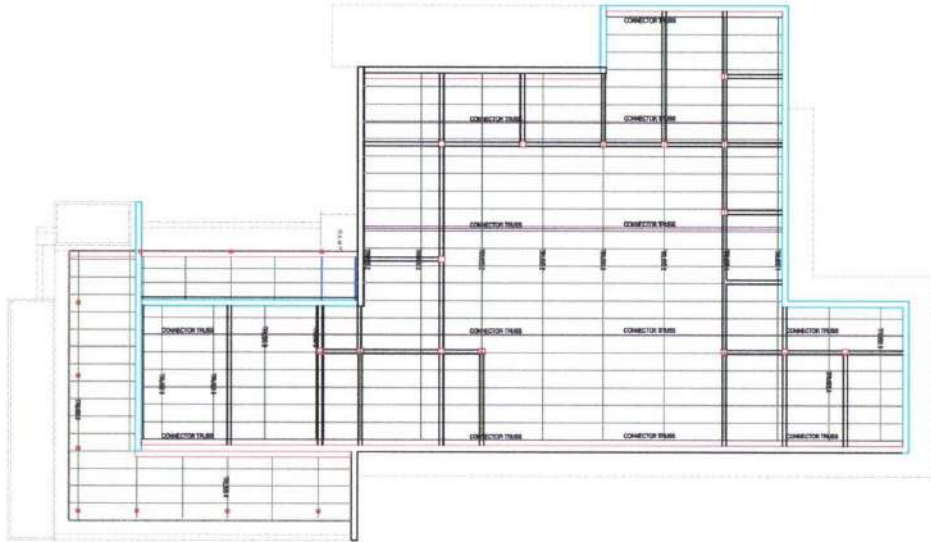
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FOUNDATION PLAN
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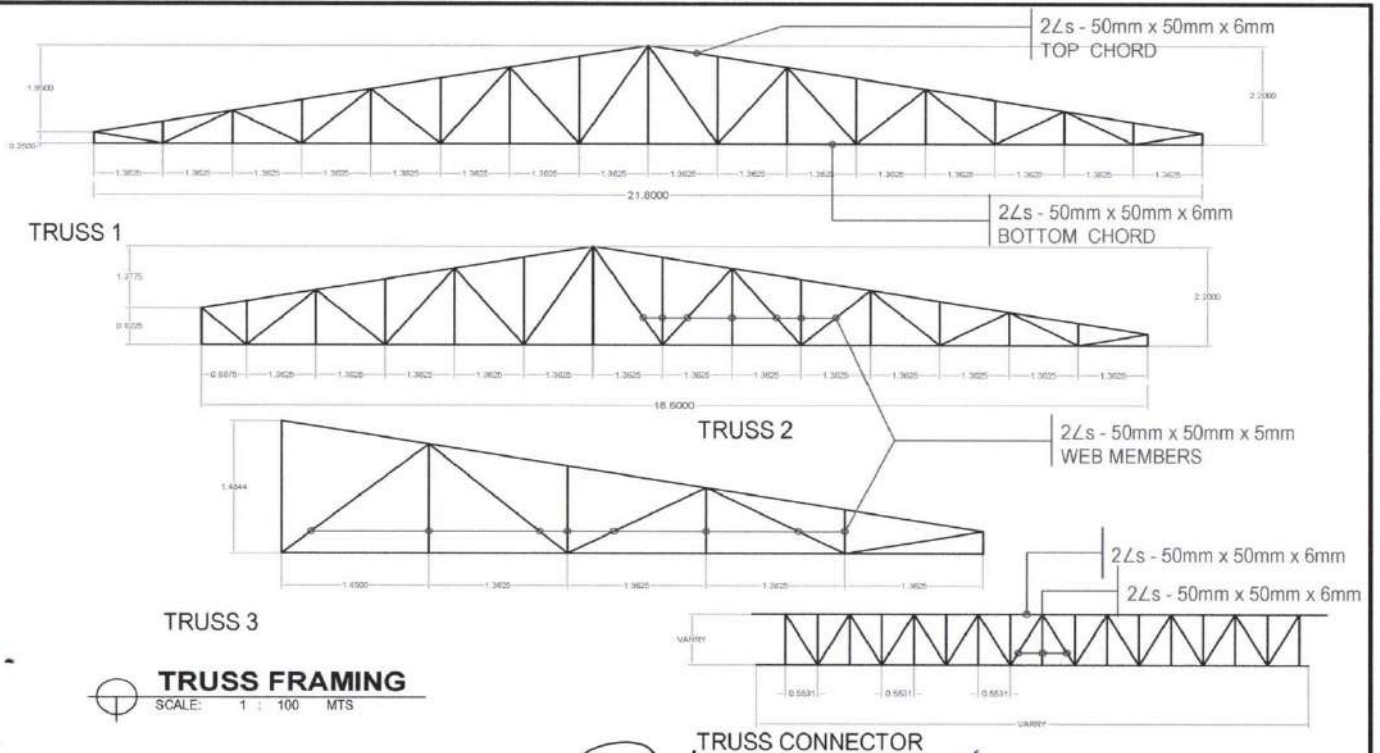
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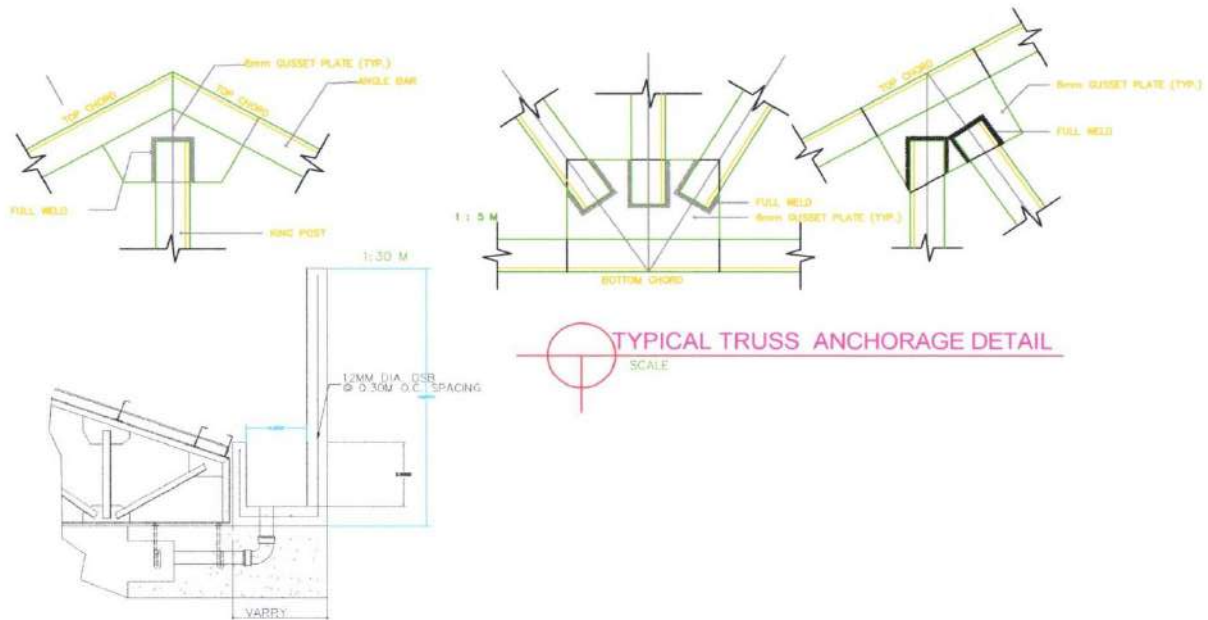
ROOFING FRAMING
SCALE: 1 : 100 MTS

DRAFTED BY: ISMAR P. DE LA PEÑA, JR. Staff Architect - Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGABID, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TORO, BUNRANG, AGUSAN DEL SUR PROJECT OWNER: AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND FISHERIES	REVIEWED BY: RABEL SACDEN, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENE A. NALLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPRIBIANO LOCAL GOVERNMENT	SHEET CONTENT: ROOF FRAMING PLAN	SHEET NO.: 10 24
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TRUSS FRAMING
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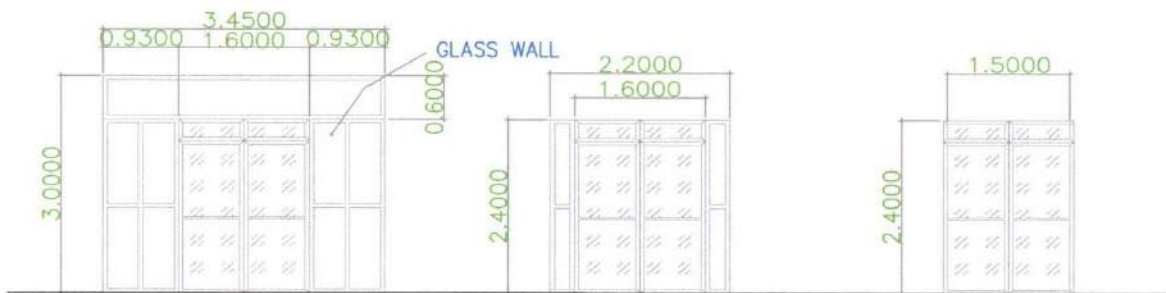
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TYPICAL TRUSS ANCHORAGE DETAIL
SCALE



DRAFTED BY: ISMAEL D. LA PERA, JR. Staff, Information and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGUIRRE, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF IDEC FOOD INNOVATION CENTER LOCATION: ABRICAT, SAN TEODORO, BUNRANGAL, AGUSAN DEL SUR PROJECT OWNER: AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY	REVIEWED BY: RAMON B. CALDEO, C.E. Director, Information and Other Physical Facilities	RECOMMENDING APPROVAL: GLENGA BALAJA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CASTRILLANO COLLEGE PRESIDENT	SHEET CONTENT: TRUSS ANCHORAGE CONCRETE GIRDER DETAILS	SHEET NO.: 12 24
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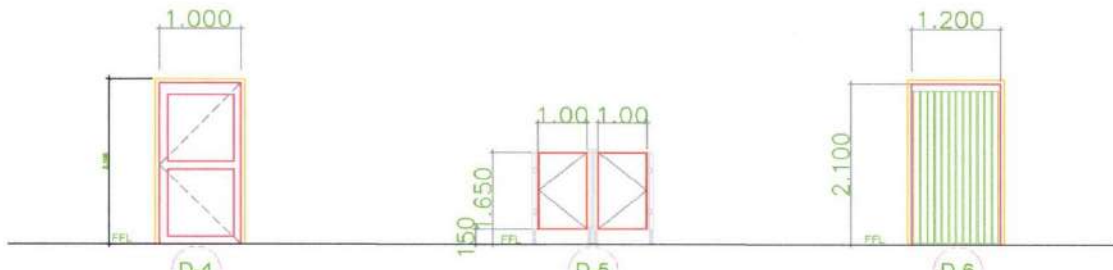
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1.60 X 2.40 DOUBLE GLASS DOOR
ON GLASS WALL ON 6MM THICK
CLEAR GLASS ON TUBULAR
ALUMINUM FRAME AND ACC.
2 UNITS

D-2
2.20 X 2.40 DOUBLE GLASS DOOR
ON GLASS WALL ON 6MM THICK
CLEAR GLASS ON TUBULAR
ALUMINUM FRAME AND ACC.
3 UNITS

D-3
1.50 X 2.40 DOUBLE GLASS DOOR
ON 6MM THICK CLEAR GLASS ON
TUBULAR ALUMINUM FRAME AND
ACC.
1 UNIT

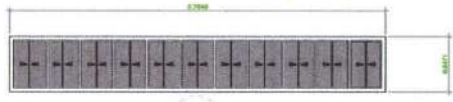
WINDOW DETAILS
SCALE: DN15

DRAFTED BY: ISMAEL D. LA PERA, JR. Staff, Information and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGUIRRE, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF IDEC FOOD INNOVATION CENTER LOCATION: ABRICAT, SAN TEODORO, BUNRANGAL, AGUSAN DEL SUR PROJECT OWNER: AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY	REVIEWED BY: RAMON B. CALDEO, C.E. Director, Information and Other Physical Facilities	RECOMMENDING APPROVAL: GLENGA BALAJA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CASTRILLANO COLLEGE PRESIDENT	SHEET CONTENT: WINDOW DETAILS	SHEET NO.: 13 24
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D-4
1.00 X 2.10 SWING DOOR WITH 6MM THICK SMOKE FILM GLASS ON TUBULAR ALUMINUM FRAME

3 UNITS



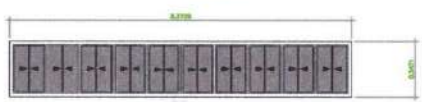
HW1

3.7049 X 0.5471 SLIDING GLASS WINDOW WITH MOSQUITO SCREEN ON ALUMINUM FRAME

4 UNITS

D-5
2-0.60 X 1.60 PHENOLIC DOORS AND PARTITION WITH COMPLETE ACCESSORIES

5 UNITS



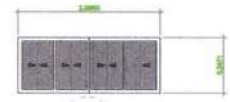
HW2

3.3730 X 0.5471 SLIDING GLASS WINDOW WITH MOSQUITO SCREEN ON ALUMINUM FRAME

2 UNITS

D-6
1.00 X 2.10 DOOR WITH CLEAR PLASTIC CURTAIN WITH ACCESSORIES ON TUBULAR ALUMINUM FRAME

6 UNITS

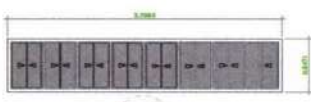


HW4

2.0000 X 0.5471 SLIDING GLASS WINDOW WITH MOSQUITO SCREEN ON ALUMINUM FRAME

5 UNITS

DRAFTED BY: ISMAR B. PERA, JR Staff, School of Architecture and Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. ROSARIO, C.E Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSOCIAT. SAN TEOCICO, BUNAMUNI, AGUSAN DEL SUR PROJECT OWNER: AGUSAN DEL SUR STATE COLLEGE OF HUMANITIES AND TECHNOLOGY	REVIEWED BY: RAM B. CALDEO, C.E Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENVA ANGLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPISTRANO CHAIRMAN, RDEC	SHEET CONTENT:	SHEET NO.: 14 24
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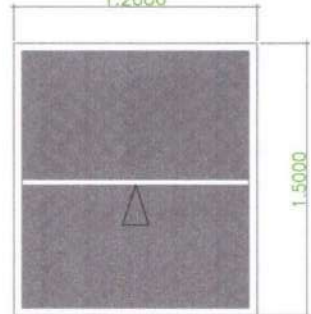


HW3

2.7093 X 0.5471 SLIDING GLASS WINDOW WITH MOSQUITO SCREEN ON ALUMINUM FRAME

9 UNITS

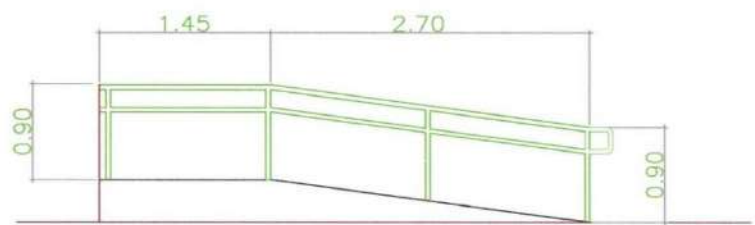
1.2000



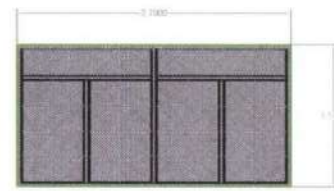
CW

1.2000 X 1.5000 SLIDING UP GLASS WINDOW WITH MOSQUITO SCREEN ON ALUMINUM FRAME

5 UNITS



RAILINGS DETAILS
SCALE: D N T S

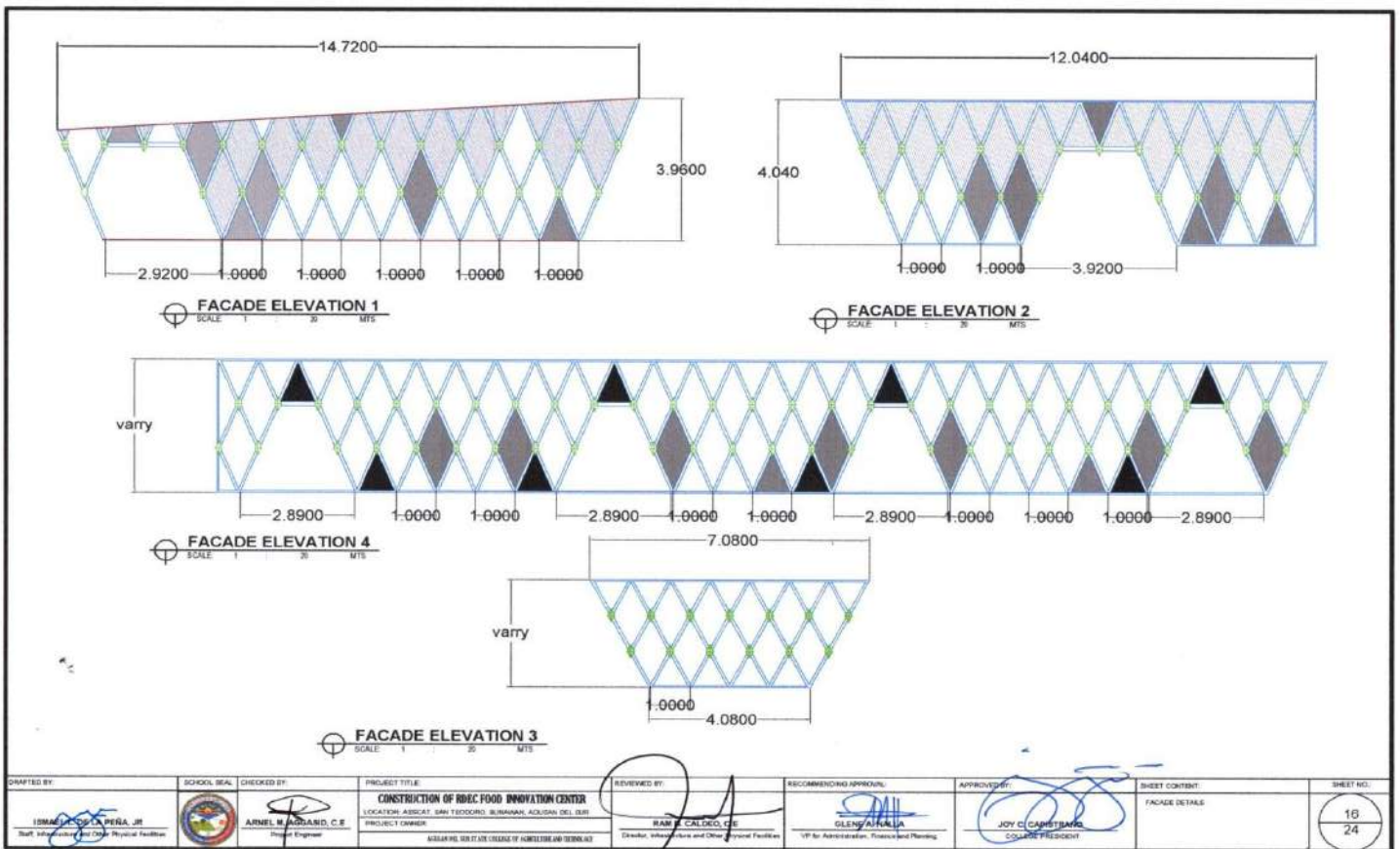


W1

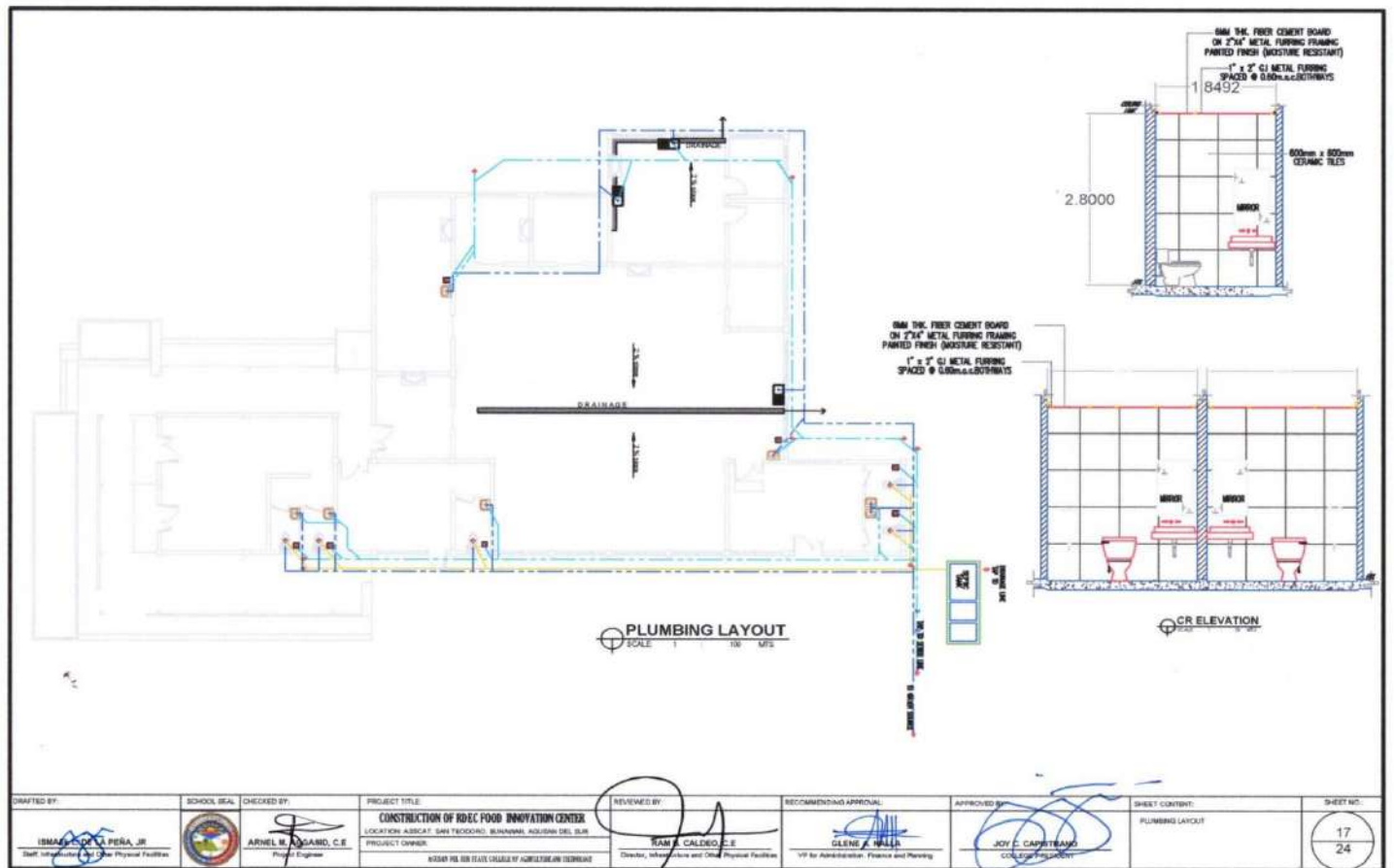
2.7000 X 1.5615 SLIDING GLASS WINDOW WITH MOSQUITO SCREEN ON ALUMINUM FRAME

1 UNIT

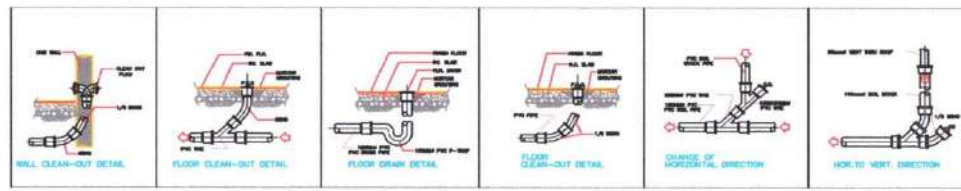
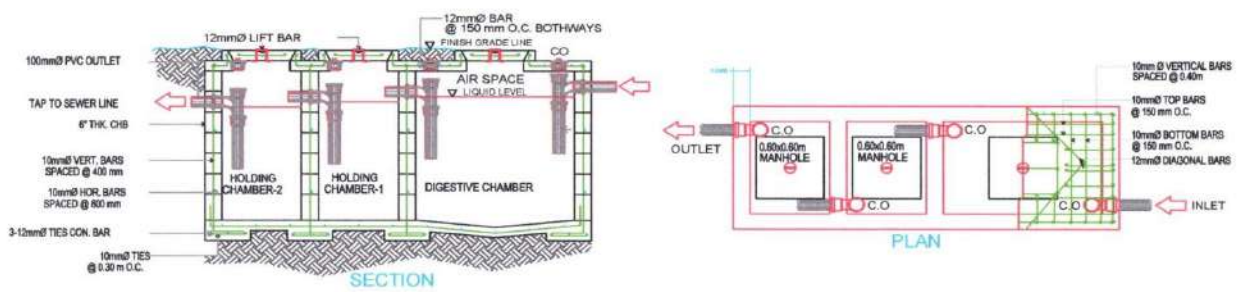
DRAFTED BY: ISMAR B. PERA, JR Staff, School of Architecture and Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. ROSARIO, C.E Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSOCIAT. SAN TEOCICO, BUNAMUNI, AGUSAN DEL SUR PROJECT OWNER: AGUSAN DEL SUR STATE COLLEGE OF HUMANITIES AND TECHNOLOGY	REVIEWED BY: RAM B. CALDEO, C.E Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENVA ANGLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPISTRANO CHAIRMAN, RDEC	SHEET CONTENT:	SHEET NO.: 15 24
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DRAFTED BY: ISMAR S. PERA, JR. Staff Information and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGUIRRE, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TEODORO, BUNRANG, AGUIGUA DEL SUR PROJECT OWNER: NORARIN COLLEGE OF AGRICULTURE AND FISHERIES	REVIEWED BY: RAMON CALDERON, C.E. Director, Information and Other Physical Facilities	RECOMMENDING APPROVAL: GLENN A. WALK VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPSTRANO COLLEGE PRESIDENT	SHEET CONTENT: FAÇADE DETAIL	SHEET NO.: 18 24
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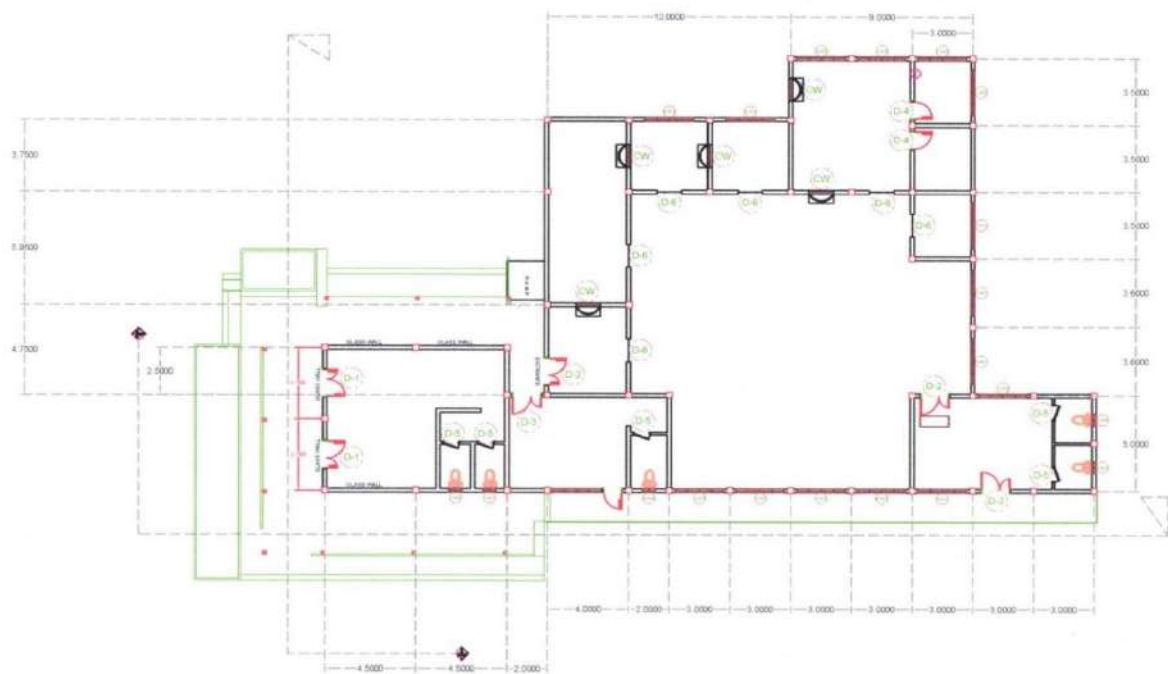


DRAFTED BY: ISMAR S. PERA, JR. Staff Information and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGUIRRE, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCAT, SAN TEODORO, BUNRANG, AGUIGUA DEL SUR PROJECT OWNER: NORARIN COLLEGE OF AGRICULTURE AND FISHERIES	REVIEWED BY: RAMON CALDERON, C.E. Director, Information and Other Physical Facilities	RECOMMENDING APPROVAL: GLENN A. WALK VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPSTRANO COLLEGE PRESIDENT	SHEET CONTENT: PLUMBING LAYOUT	SHEET NO.: 17 24
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DRAFTED BY: ISMAEL CALDERA JR. Staff, Infrastructure and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGUIAR, C.E. Project Engineer	PROJECT TITLE: LOCATION ASSOCAT. SAN TEODORO, BUNAWAN, AGUIGAN DEL SUR PROJECT OWNER: AGUIGAN STATE COLLEGE OF AGRICULTURE	REVIEWED BY: RAN B. CALDERO, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENN A. WALLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPSTRANO COLLEGE PRESIDENT	SHEET CONTENT: SEPTIC TANK DETAILS PLUMBING CONNECTION	SHEET NO.: 18 24
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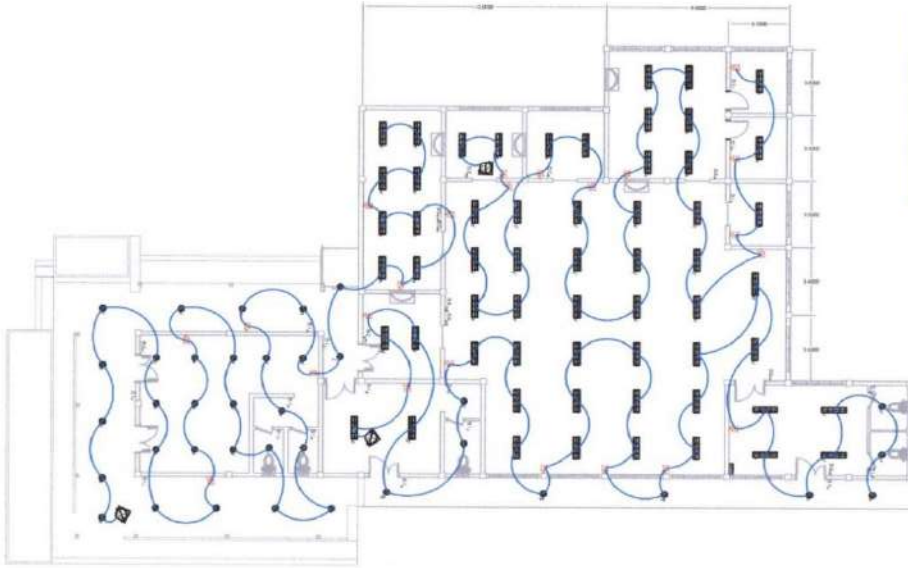
ROADSIDE (FRONT)



DOOR AND WINDOW SCHEDULE
SCALE: 1 : 100 MTS

DRAFTED BY: ISMAEL CALDERA JR. Staff, Infrastructure and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGUIAR, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION ASSOCAT. SAN TEODORO, BUNAWAN, AGUIGAN DEL SUR PROJECT OWNER: AGUIGAN STATE COLLEGE OF AGRICULTURE	REVIEWED BY: RAN B. CALDERO, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENN A. WALLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPSTRANO COLLEGE PRESIDENT	SHEET CONTENT: DOOR AND WINDOW SCHEDULE	SHEET NO.: 19 24
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ROADSIDE
(FRONT)

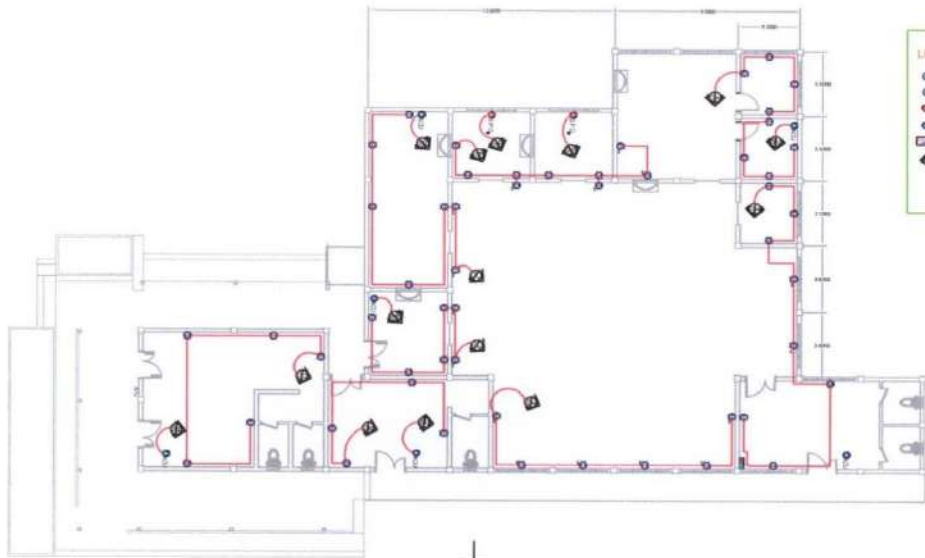


LEGEND AND SYMBOLS	
	1 FT x 4 FT SILVER POLYCARBONATE RECESSED HUNTER WITH 2 x 1 FT LED TUBE LIGHT
	4' DOWNLIGHT (RECESSED TYPE)
	LED EMERGENCY LIGHT
	PANEL BOARD (BOLT-ON TYPE)
	TWO GANG SWITCH
	TWO GANG SWITCH
	ONE GANG SWITCH
	HORIZONTAL

LIGHTING LAYOUT

DRAFTED BY: JIGGS FERMAN F. BENITO, E.E. Staff, Infrastructure and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGARIO, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCOT, SAN TEOCICO, BUNAWAN, AGLUJAN DEL SUR PROJECT OWNER: AGSANGS SA (STATE) COLLEGE OF AGRICULTURE AND TECHNOLOGY	REVIEWED BY: RAM B. CALDEC, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLEN A. ANILLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. ESTRADA COLLEGE PRESIDENT	SHEET CONTENT: LIGHTING LAYOUT	SHEET NO.: 20 24
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ROADSIDE
(FRONT)



LEGEND AND SYMBOLS	
	CONVENIENCE OUTLET
	WEATHER PROOF CONVENIENCE OUTLET
	SPECIAL PURPOSE OUTLET WITH LOCKING WIRE
	ACU SPLIT TYPE
	PANEL BOARD (BOLT-ON TYPE)
	HORIZONTAL

POWER LAYOUT

DRAFTED BY: JIGGS FERMAN F. BENITO, E.E. Staff, Infrastructure and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL M. AGGARIO, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASSCOT, SAN TEOCICO, BUNAWAN, AGLUJAN DEL SUR PROJECT OWNER: AGSANGS SA (STATE) COLLEGE OF AGRICULTURE AND TECHNOLOGY	REVIEWED BY: RAM B. CALDEC, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLEN A. ANILLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. ESTRADA COLLEGE PRESIDENT	SHEET CONTENT: POWER LAYOUT	SHEET NO.: 21 24
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SCHEDULE OF LOADS

DKT NO.	LOAD DESCRIPTION	VOLT	VA LOAD DKT	PHASE	AT	BY	SIZE OF WIRE AND CONDUIT
1	200W PV Tube Light (20' x 6' Recessed)	220V	440	1-Ø	15	3	3.5 mm ² THHN & 20mm Ø PVC
2	200W PV Tube Light (20' x 6' Recessed)	220V	440	1-Ø	15	3	3.5 mm ² THHN & 20mm Ø PVC
3	200W PV Tube Light (20' x 6' Recessed)	220V	440	1-Ø	15	3	3.5 mm ² THHN & 20mm Ø PVC
4	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
5	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
6	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
7	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
8	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
9	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
10	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
11	Convenience Outlet (Ø)	220V	144	1-Ø	20	2	2.5 mm ² THHN & 20mm Ø PVC
12	ACU 1.8 HP	220V	1380	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
13	Special Purpose Outlet	220V	300	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
14	Special Purpose Outlet	220V	450	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
15	ACU 2.8 HP	220V	256	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
16	ACU 2.5 HP	220V	194	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
17	ACU 2.8 HP	220V	256	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
18	ACU 2.8 HP	220V	256	1-Ø	30	2	2.5 mm ² THHN & 20mm Ø PVC
TOTAL			2610	1-Ø			USE: 3-10mm ² THHN in 40mm Ø PVC

LOAD COMPUTATION

COMPUTATION:
 GENERAL LIGHTING LOAD = 2560 VA
 SMALL APPLIANCE LOAD = 10,260 VA
 OTHER LOAD = 20,260 VA
TOTAL NET LOAD = 38,080 VA = 150.4 A

SIZE OF BREAKER:
 $150.4 (1.25) (1.25) (1.25) = 169.2 \text{ A Trip}$
 Use: 175 A MCCB Breaker, 110 KVAR Station

SIZE OF WIRE:
 $175.8 = 21.8 \text{ A}$
 Use: 2-100 mm² THHN CU. WIRE and 1-1.4 mm² THHN GROUND

SIZE OF TRANSFORMER:
 KVA = $1.25 (1.25) (1.25) = 3.5 \text{ KVA}$
 Use: 1-37.5 KVA Distribution transformer, 60 lbs.

VOLTAGE DROP CALCULATION

Using $\text{pf} = \cos \theta = 0.9$
 $\theta = 26.1^\circ$
 $V_D = \frac{2(150.4)(1.0)(1.0263) + 432(0.9)(1.0263)}{305}$
 $V_D = 1.556 \text{ V}$
 $\%V_D = \frac{1.556(220)}{220} = 1.556\%$
 $\%V_{D\%} = 1.556\%$
 $V_{D2} = \frac{(175.8)(1.0)(1.0263) + 432(0.9)(1.0263)}{305}$
 $V_{D2} = 2.552 \text{ V}$
 $\%V_{D2} = \frac{2.552(220)}{220} = 2.552\%$
 $\%V_{D2\%} = 1.1\%$
 $\%V_{D\text{TOTAL}} = 1.556 + 2.552 = 4.108\%$
 $\%V_{D\text{TOTAL}} = 1.0478 < 5\%$ (ACCEPTED)

SHORT CIRCUIT CALCULATION

CALCULATION:
 BASE POWER = 37.5 KVA
 BASE VOLTAGE = 220V
 $Z_{\text{SOURCE}} = 0.15 \text{ pu}$
 $Z_{\text{SERVICELINE}} = 1.063 + j0.05 (0.205)(20)$
 $Z_{\text{SERVICELINE}} = 1.0631 + j0.0334$
 $Z_{\text{SERVICELINE}} = 0.00531 - j0.5620 \text{ deg}$
 $Z_{\text{SERVICELINE}} = 0.00531 \angle (90.220) = 237.5 \text{ KVA}$
 $Z_{\text{SERVICELINE}} = 0.00411 \text{ pu}$
TOTAL IMPEDANCE per unit:
 $Z_{\text{TOTAL}} = 0.015 \text{ pu} + 0.00411 \text{ pu}$
 $Z_{\text{TOTAL}} = 0.01911 \text{ pu}$
 $I_{\text{SC}} = \frac{37.5 \text{ KVA}}{0.01911 \text{ pu}}$
 $I_{\text{SC}} = 1962.7 \text{ pu}$
 Fault current, 1 line:
 $I_{\text{SC}} = 52.9067 \times 37.5 \text{ KVA} (220V)$
 $I_{\text{SC}} = 915.5 \text{ A}$
 USE AT LEAST 10 KAIC FOR MAIN BREAKER.

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL GOVERNMENT.

3. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE PROJECT ENGINEER.

4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AT ALL TIMES.

5. ALL ELECTRICAL WORK SHALL BE PROTECTED AGAINST OVERHEATING AND SHORT CIRCUITS.

6. THE CONTRACTOR SHALL PROVIDE ADEQUATE LABELING FOR ALL ELECTRICAL EQUIPMENT.

7. THE CONTRACTOR SHALL MAINTAIN A NEAT AND ORDERLY WORK AREA AT ALL TIMES.

8. ALL ELECTRICAL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

9. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES.

10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL ELECTRICAL WORK.

SINGLE LINE DIAGRAM

DESIGNED BY:
JOS FERRAN F. BENTO, E.E.
Supt. Infrastructure and Other Physical Facilities

SCHOOL SEAL:

CHECKED BY:
ARNEL M. AGABIO, C.E.
Project Engineer

PROJECT TITLE:
CONSTRUCTION OF IDEC FOOD INNOVATION CENTER
LOCATION: ASSCAT, SAN TEODORO, BUNAWAN, AGUIGAN DEL SUR
PROJECT OWNER:
AGUIGAN DEL SUR COLLEGE OF AGRICULTURE AND FISHERIES

REVIEWED BY:
RABI M. CALDEO, C.E.
Director, Infrastructure and Other Physical Facilities

RECOMMENDING APPROVAL:
GLENN APALLA
VP for Administration, Finance and Planning

APPROVED BY:
JOY E. CASTRANO
CONTRACT ENGINEER

SHEET CONTENT:
SCHEDULE OF LOADS
LOAD COMPUTATION
VOLTAGE DROP CALCULATION
SHORT CIRCUIT CALCULATION
SINGLE LINE DIAGRAM

SHEET NO.:
22
24

LEGENDS AND SYMBOLS

- SMOKE DETECTOR
- MANUAL CALL POINT
- BSL
- FIRE ALARM CONTROL PANEL
- FIRE EXTINGUISHER WITH CABINET

FIRE ALARM LAYOUT

FIRE ALARM DIAGRAM

DESIGNED BY:
JOS FERRAN F. BENTO, E.E.
Supt. Infrastructure and Other Physical Facilities

SCHOOL SEAL:

CHECKED BY:
ARNEL M. AGABIO, C.E.
Project Engineer

PROJECT TITLE:
CONSTRUCTION OF IDEC FOOD INNOVATION CENTER
LOCATION: ASSCAT, SAN TEODORO, BUNAWAN, AGUIGAN DEL SUR
PROJECT OWNER:
AGUIGAN DEL SUR COLLEGE OF AGRICULTURE AND FISHERIES

REVIEWED BY:
RABI M. CALDEO, C.E.
Director, Infrastructure and Other Physical Facilities

RECOMMENDING APPROVAL:
GLENN APALLA
VP for Administration, Finance and Planning

APPROVED BY:
JOY E. CASTRANO
CONTRACT ENGINEER

SHEET CONTENT:
FIRE ALARM LAYOUT
FIRE ALARM DIAGRAM

SHEET NO.:
23
24

NOTES:-

1. THE FIRE ALARM SYSTEM SHALL BE INSTALLED, TESTED AND COMMISSIONED IN FULL COMPLIANCE WITH NFPA72
2. FIRE ALARM SYSTEM DETECTION FOR CEILING VOIDS SHALL BE PROVIDED AS PER THE REQUIREMENT OF NFPA72 AND TO LOCAL CIVIL DEFENSE REQUIREMENTS
3. LINE ISOLATORS SHALL BE PROVIDED TO ISOLATE THE LOOP WITHIN EACH FIRE ZONE WITH A MAXIMUM OF 15 SENSORS BETWEEN TWO LINE ISOLATORS.
4. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL THE REQUIRED CONTROL MODULES FOR MONITORING, CONTROL, APPLICATION AND INTERFACING WITH OTHER SYSTEM ALL IN ACCORDANCE WITH APPROVED CAUSE AND EFFECT LOGIC AND FIRE PHILOSOPHY.
5. ALL FIRE ALARM SYSTEM WIRING SHALL BE USING FIRE RESISTANT CABLE (FP200 OR EQUIVALENT). MINIMUM WIRE SIZE SHALL BE 1.5mm² HOWEVER EXACT WIRE SIZE SHALL BE SELECTED AS PER APPROVED VOLTAGE DROP CALCULATION.
6. FIRE ALARM SYSTEM EXTERNAL CABLING SHALL BE PVC INSULATED, SCREENED AND ARMoured CABLE, SIZE AND TYPE AS PER APPROVED VOLTAGE DROP CALCULATION AND SYSTEM MANUFACTURER RECOMMENDATIONS.
9. THE SCHEMATIC DIAGRAM SHOWN HERE IS INDICATIVE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL THE NECESSARY ACCESSORIES AND COMPONENTS IN ORDER TO PROVIDE A FULL FUNCTIONAL SYSTEM AS PER LOCAL AUTHORITY REQUIREMENTS AND TO THEIR APPROVAL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL SERVICES
9. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR CARRYING OUT ALL THE FIRE DETECTION SERVICES TO THE COMPLETE SATISFACTION AND FINAL ACCEPTANCE OF THE LOCAL CIVIL DEFENSE AUTHORITY AND SHALL INCLUDE IN HIS PRICING ALL ITEMS OF WORK NOT INDICATED ON THE DRAWINGS AND SPECIFICATION BUT ARE REQUIRED TO BE INSTALLED TO SATISFY THE REQUIREMENTS OF THE LOCAL CIVIL DEFENSE AUTHORITY.
10. ALL FIRE DETECTION SERVICES SHALL COMPLY WITH THE REGULATION AND REQUIREMENTS OF THE LOCAL CIVIL DEFENSE AUTHORITY LIFE OF SAFETY CODE, IN ADDITION TO WHAT IS SPECIFIED AND INDICATED ON THE DRAWINGS.
11. EXACT LOCATION OF SMOKE DETECTORS, AND CALL POINTS, ETC. SHALL BE COORDINATED ON SITE BASED ON FINAL FALSE CEILING LAYOUT, ARCHITECTURAL LAYOUT, OTHER SERVICES AND TO CONSULTANT'S APPROVAL.
12. CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN ALL SERVICES.

ITEM	QTY	STANDARD CURRENT (AMP)	ALARM EQUIPMENT (AMP)	TOTAL CURRENT (AMP)	TOTAL ALARM (VARS)
FIRE ALARM CONTROL PANEL	1	275	450	725	800
SMOKE DETECTOR	14	30	2.50	42.7	54.5
MANUAL CALL POINT	6	20	6.50	12.6	16.5
FIRE ALARM BELL	3	0	40	0	100
TOTAL				768.3	1071

CALCULATION
 Panel Capacity: 275 (max) + 300 = 575 Amp
 Alarm Capacity: 0.01 (100) + 0.005 (2000) = 0.015 Amp
 Total Capacity: 575 + 0.015 = 575.015 Amp
 575.015 x 1.25 = 718.77 Amp

RECOMMENDED BATTERY
 100 (100) Amp/24V



DRAFTED BY: JIGGS FERRAN F. BENITO, E.E. SMIT, Infrastructure and Other Physical Facilities	SCHOOL SEAL: 	CHECKED BY: ARNEL B. ROGAO, C.E. Project Engineer	PROJECT TITLE: CONSTRUCTION OF RDEC FOOD INNOVATION CENTER LOCATION: ASISAT, SAN TEOCORO, BULACAN, AGUSAN DEL SUR PROJECT OWNER: REGIONAL RICE GRANT (R2G) ADMINISTRATION BOARD	REVIEWED BY: RAMON CALDEO, C.E. Director, Infrastructure and Other Physical Facilities	RECOMMENDING APPROVAL: GLENN MALLA VP for Administration, Finance and Planning	APPROVED BY: JOY C. CAPISTRANO COMMODORUS	SHEET CONTENT: ELECTRICAL NOTES BATTERY SIZE CALCULATION	SHEET NO.: 24 24
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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.

Section VIII. Bill of Quantities

Construction of RDEC Food Innovation Center

Item No.	Scope of Work	Unit	Quantity	Unit Price	TOTAL
I	MOB./DEMOB.	LOT	1.00		
II	EARTHWORKS	SQ.M	1601.20		
III	CONCRETE WORKS	CU.M	323.67		
IV	REINFORCING STEEL	KGS.	65,216.96		
V	FORMS AND SCAFFOLDINGS	BD.FT	25,167.00		
VI	MASONRY WORKS	SQ.M	1349.40		
VII	TILEWORKS	SQ.M	625.30		

VIII	PAINTING WORKS	SQ.M	3505.59		
IX	PLUMBING WORKS	LOT	1.00		
X	ELECTRICAL WORKS	LOT	1.00		
XI	DOORS AND WINDOWS	LOT	1.00		
XII	CEILING WORKS	SQ.M	566.30		
XIII	STEEL WORKS (METAL CLADDING)	LOT	1.00		
XIV	STAINLESS STEEL RAILINGS	LOT	1.00		
XV	ROOFING WORKS	SQ.M	605.00		
XVI	SLOPE PROTECTION STRUCTURE (GABIONS)	CU.M	480		
SPL-1	PROJECT BILLBOARD	LOT	1.00		
SPL-2	BUILDING PERMIT	LOT	1.00		
SPL-3	STAINLESS STEEL SIGNAGE	LOT	1.00		

Amount in Words:

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

Technical Documents

- (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules;
and
- (h) Notarized Affidavit of Site Inspection
- (i) Philippine Contractors Accreditation Board (PCAB) License;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**
- (j) 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**
- (k) 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**
- (l) 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

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

Class "B" Documents

- (o) 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

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

Other documentary requirements under RA No. 9184

- (q) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (r) 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**
- (s) Cash Flow by Quarter.

