ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

PHILIPPINE BIDDING DOCUMENTS

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

Sixth Edition
July 2020

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CONSTRUCTION OF MULTI-PURPOSE BUILDING/
GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY
UNIVERSITY - MIAGAO CAMPUS
(ISAT U MC INFRA-2025-09-22)

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BAGONG PILIPINAS

Invitation to Bid for the CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY – MIAGAO CAMPUS

1. The **Iloilo Science and Technology University – Miagao Campus**, through FY 2025-**Trust Fund** intends to apply the sum of **FOUR MILLION PESOS ONLY (Php 4,000,000.00)** as the Approved Budget of Contract (ABC) to payments under the contract for the **Construction of Multi-Purpose Building/Gymnasium of Iloilo Science and Technology University – Miagao Campus** with Project Reference No. **ISAT U MC-INFRA-2025-09-22**. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The **ISAT U Miagao Campus** invites bidders for the above procurement project. Delivery of Services is required within **120 Calendar Days upon the receipt of the Notice to Proceed**. Bidders should have completed within the **last five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in *Section II (Instructions to Bidders).*

3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the RA 12009 or the New Government Procurement Act".

4. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

5. Interested bidders may obtain further information from **ISAT U Miagao Campus** and inspect the Bidding Documents at the address given below during **office hours from 7:30 am to 4:00 pm.**

6. A complete set of Bidding Documents may be acquired by interested bidders on **September 29, 2025 – October 7, 2025,** in the address stated below 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) only.** It may also be downloaded free of charge from the website of the Philippine Government Electronics 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 abovementioned deadline.

7. The **ISAT U Miagao Campus** shall allow the bidder to present its proof of payment for the fee by emailing a copy of the official receipt at miagao.bac@isatu.edu.ph or presentation of the official receipt in person.

8. The **ISAT U Miagao Campus** will hold a Pre-Bid Conference **at 1:00 PM, on September 26, 2025** at the **BAC Conference Room of ISAT U Miagao Campus and via videoconferencing application** which shall be open to prospective bidders. All interested bidders are advised to contact the BAC Secretariat through email or landline, in advance or prior to the scheduled procurement activity for the Google application meeting.

9. Bids must be duly received by the BAC Secretariat through manual submission at the address below on or before, **October 8, 2025 at 5:00 PM**. Late bids shall not be accepted. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 17.

10. Bid opening shall be on **October 9, 2025** at **1:00 PM** at the **BAC Conference Room of ISAT U Miagao Campus and via videoconferencing application.** Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

    We kindly enjoin bidders of the requirement to have at least one (1) representative physically present/virtually during the Bid Opening at the ISAT U Miagao Campus, Igtuba, Miagao Campus. It is important to note that submitted bids without a representative during the Bid Opening will still be evaluated. However, please be aware that if any questions or clarifications arise from the BAC, bidders who did not have a representative present will not permitted to contest or provide further input.

11. **The ISAT U Miagao Campus** 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 64 and 70 of the IRR of RA 12009, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

    MS. WENEFREDA N. NOLADA
    BAC Secretariat Section
    ISAT U – Miagao Campus
    Igtuba, Miagao, Iloilo
    Tel No.: 315-8164 loc 121
    Email: miagao.bac@isatu.edu.ph
    Fax: (033) 315-9755
    Website: www.miagao.isatu.edu.ph
    FB Page: Bac Isatu Miagao Campus

SOLIMAR F. MORADAS, DIT
BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **Iloilo Science and Technology University - Miagao Campus** wishes to receive Bids for the **Construction of Multi-Purpose Building/Gymnasium of Iloilo Science and Technology University – Miagao Campus** with Project Identification Number **ISAT U MC-INFRA-2025-09-22.**

The Procurement Project referred to herein as the "Project" is composed **one (1) lot**, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **FY 2025** in the amount of **Four Million Pesos Only** (**Php 4,000,000.00).**

2.2. The source of funding is:

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.

ISAT U Miagao Campus required the bidder to use the prescribe form or template of the Program of Works and Bill of Quantities. Likewise, it is required to provide a detailed estimate which includes labor and equipment.

ISAT U Miagao Campus requesting the Bidder to use the **A4** size of bond paper in all 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

The Procuring Entity has prescribed that:

b. <u>Subcontracting is not allowed.</u>

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 stated below as indicated in paragraph 7 of the **IB.**

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in ***Section IX (Checklist of Technical and Financial Documents)***.

10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.

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

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

11. Documents Comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in ***Section IX (Checklist of Technical and Financial Documents)***. If possible, all financial documents or forms should be entered computerized.

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 **120 Calendar Days.** 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.

ISAT U Miagao Campus is requesting for additional two (2) hard copies of the Bid which shall be marked as "Copy 1" and "Copy 2". (Please see attached "Annex A").

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 8 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**.

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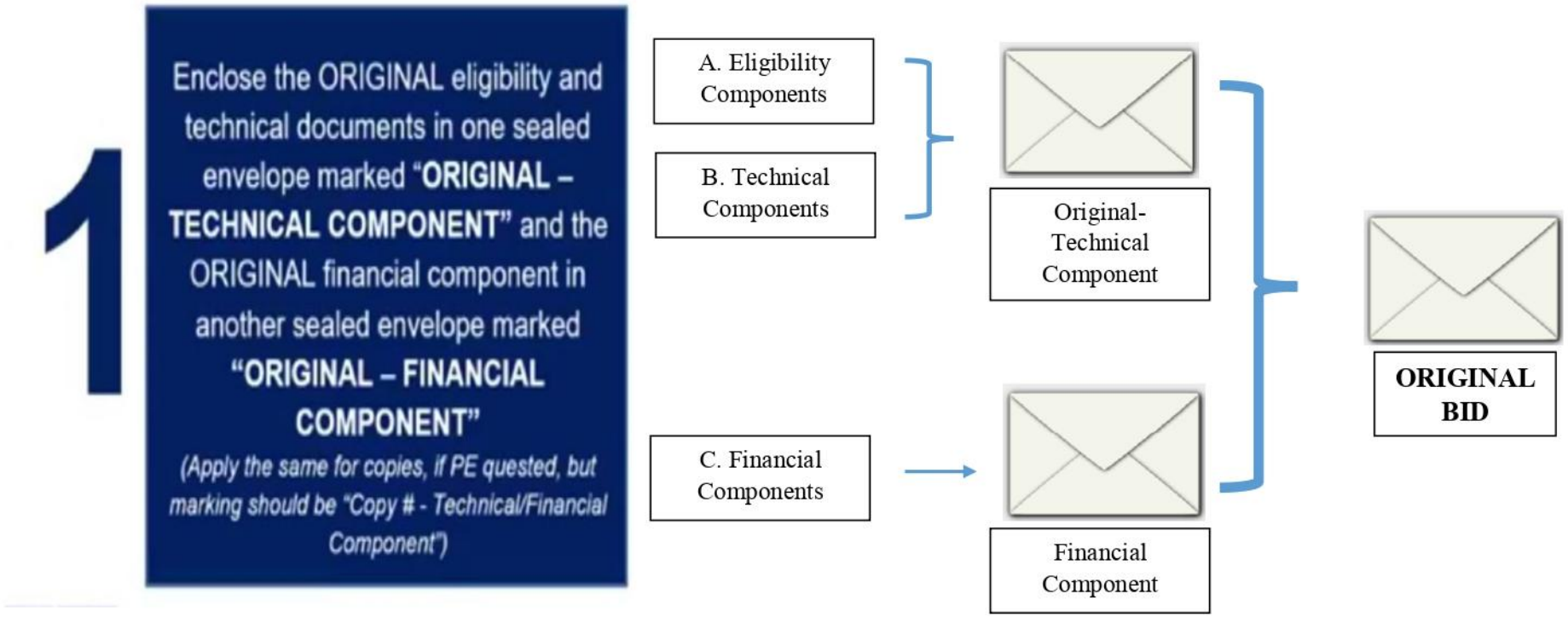
SEALING AND MARKING OF BIDS "Annex A"



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SEALING AND MARKING OF BIDS "Annex A"

2 Seal both envelopes in an outer envelope marked **"ORIGINAL BID"**

(Apply the same for copies, if PE requested, but marking should be "Copy # of Original Bid")

3 The ORIGINAL Technical/Financial Envelope and the COPY Envelopes, if any, shall be CONTAINED in **ONE ENVELOPE**

ORIGINAL BID

COPY 1

COPY 2

MAIN ENVELOPE

Republic of the Philippines
Iloilo Science and Technology University
Miagao Campus
Miagao, Iloilo
Trunkline: (+6333) 315-8164 | Telefax: (+6333) 315-9755
https://www.miagao.isatu.edu.ph

SEALING AND MARKING OF BIDS "Annex A"

Sample:

CONSTRUCTION OF MULTI-PURPOSE BUILDING/ GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY – MIAGAO CAMPUS

Project Reference No. ISAT U MC-INFRA-2025-09-22

Company Name

Address

OFFICE OF THE BIDS AND AWARDS COMMITTEE

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY

Miagao Campus

Section III. 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: **Construction of Multi-Purpose Building/Gymnasium of Iloilo Science and Technology University – Miagao Campus**
7.1	Subcontracting is not allowed. **No further instructions.**
10.4	The key personnel must meet the required minimum years of experience set below: Key Personnel — General Experience — Relevant Experience Architect — 5 years minimum — Construction Project Project Engineers — 5 years minimum — Construction Project Materials Engineers — 5 years minimum — Construction Project Foreman — 5 years minimum — Construction Project
10.5	The minimum major equipment requirements are the following: **Project Duration 120 calendar days upon the receipt of the Notice to Proceed** To Supply necessary materials, provision of labor, equipment and all necessary work for the project as specified with plans and scope of work
12	**No further instructions.**
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than **Php 80,000.00**, if bid security is in cash, casier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than **Php 200,000.00**, if bid security is in Surety Bond.
17	Online Submission is **NOT** allowed. **No further instructions.**
19.2	Partial bids are **NOT** allowed. **No further instructions.**
20	Not applicable. **No further instructions.**
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

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 Cash or Cashier's or Manager's Check issued by a bank pursuant to Section 68.4 of the IRR of RA No. 12009.

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. From the time project construction commenced up to final acceptance, the contractor shall assume full responsibility for the following:

a. Any damage or destruction of the works except those occasioned by force majeure; and
b. Safety, protection, security, and convenience of its personnel, third parties, and the public at large, as well as the works, equipment, installation and the like to be affected by its construction work.

7.2. One (1) year from project completion up to final acceptance or the defects liability period:

a. The contractor shall undertake the repair works, at its own expense, of any damage to the infrastructure on account of the use of materials of inferior quality, defects in the construction, or due to any violation of the terms of the contract, within ninety (90) calendar days from the time the HoPE has issued an order to undertake repair. In case of failure or refusal to comply with this mandate, the Procuring Entity shall undertake such repair works and shall be entitled to full reimbursement of expenses incurred therein upon demand.
b. The defects liability period shall be covered by the performance security of the contractor required in Section 68 of this IRR, which shall guarantee that the contractor performs its responsibilities stated in the immediately preceding Section. If the contractor fails to comply with its obligations under Section 90.2.2 (a) of this IRR, the Procuring Entity shall forfeit its performance security, subject its properties to attachment or garnishment proceedings, and may impose the appropriate penalty under Sections 99, 100, and 101 of this IRR. All payables of the GoP in its favor shall be offset to recover the costs.

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

GCC Clause	
2	**Completion of the Works by Section/Sectional completion does not apply.**
4.1	Condition does not apply, project site is turned over to contractor in full upon issuance of NTP until completion of the project.
6	Certificate of Site Inspection issued by PDAS Office.
7.2	Condition does not apply, Defects liability period is 1 year after Certificate of Acceptance. (only for new construction)
10	Day works.
11.1	Not applicable, Program of Works and Bill of Quantities are already included in Bid Documents and form part of the contract.
11.2	**No further instructions.**
13	15% of the total Contract Price, shall be released upon mobilization of manpower and equipment.
14	Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	Not applicable.
15.2	Not applicable.

Section VI. Specifications

SPECIFICATIONS

PROJECT: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/ GYMNASIUM OF ILOILO SCIENCE & TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**

LOCATION: **Brgy. Igtuba, Miag-ao, Iloilo**

GENERAL REQUIREMENTS

All works to be done shall be with first class workmanship and shall conform to plans and Specifications. All materials to be used shall be of good quality and properly inspected by the authorized representative or the Engineer In-Charge. The Provincial Engineer is reserved the right to rescind terminate, suspend the contract if he deems necessary and to the best interest of the Government. The contractor shall be liable for all damages that will occur during the construction of the project.

SCOPE OF WORKS

The works include furnishing of labor, materials, tools, equipment and other incidentals necessary to complete the project such as: Permits & Clearances, Project Billboard & Signboard, Site Works, Structural Concrete, Reinforcing Steel, Formworks & Falseworks, Roof & Roof Framing Works, Painting Works, Plumbing Works, & Electrical Works.

B.3 OTHER GENERAL REQUIREMENTS

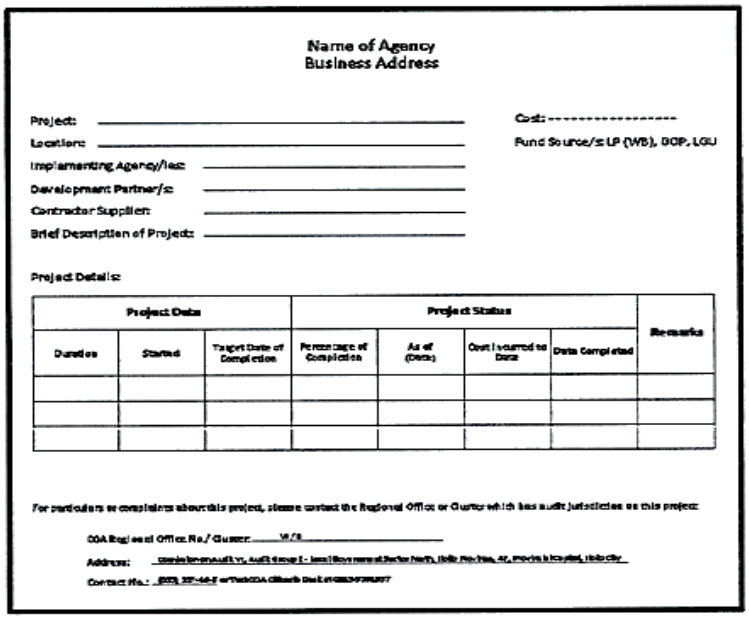
Provide necessary permits and licenses required for the Construction of Multi-Purpose Building/ Gymnasium of Iloilo Science & Technology University – Miag-ao Campus

B.5 PROJECT BILLBOARD/ SIGN BOARD

The Contractor shall ensure that the project site is identified with information billboard which shall be erected at the beginning and ending of the proposed subproject.

The layout of the billboard below shall accord to the specifications pursuant to the Commission on Audit (COA) Circular No. 2013-004 issued on January 30, 2013

COA BILLBOARD



Name of Agency
Business Address

Project: _____
Location: _____
Implementing Agency/ies: _____
Development Partner/s: _____
Contractor Supplier: _____
Brief Description of Project: _____

Cost: ----------
Fund Source/s: LP (WB), GOP, LGU

Project Details:

Project Data			Project Status				Remarks
Duration	Started	Target Date of Completion	Percentage of Completion	As of (Date)	Cost Incurred to Date	Date Completed	

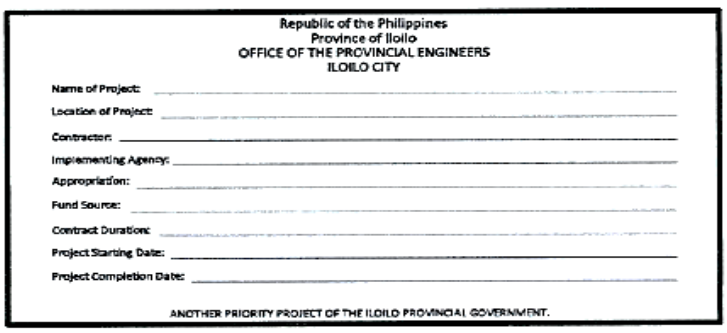
For particulars or complaints about this project, please contact the Regional Office or Cluster which has audit jurisdiction on this project:

COA Regional Office No./ Cluster: _____

Address: _____

Contact No.: _____

PEO BILLBOARD



Republic of the Philippines
Province of Iloilo
OFFICE OF THE PROVINCIAL ENGINEERS
ILOILO CITY

Name of Project: _____
Location of Project: _____
Contractor: _____
Implementing Agency: _____
Appropriation: _____
Fund Source: _____
Contract Duration: _____
Project Starting Date: _____
Project Completion Date: _____

ANOTHER PRIORITY PROJECT OF THE ILOILO PROVINCIAL GOVERNMENT.

SPECIFICATIONS

The billboard's specifications shall conform to the following requirements:

a. Tarpaulin, white, 8ft x 8ft (COA) and 4ft x 8ft (PEO);
b. Resolution: 70 dpi;
c. Font: Helvetica;
d. Font Size: Main Information – 3";
e. Sub-information – 1";
f. Font Color: Black;
g. Suitable Frame: Rigid wood or steel frame with post; and,
h. Posting: Outside display at the project location after award has been made.

Measurement

The supply and erection of Project Billboard shall be in accordance with provisions of this specification and shall be measured for payment.

Basis of Payment

Payment shall be in accordance with all the cost associated with the compliance of this specification and shall be included in the Contractor's bid price. No additional or separate payment will be made in this regard as well as for the maintenance of the billboard.

Pay Item Number	Description	Unit of Measurement
B.5	Project Billboard	Each

I. SITEWORKS

A. Clearing & Grubbing

The Engineer will establish the limits of work and designate all trees, shrubs, plants and other thing to remain. The Contractor shall preserve all objects designated to remain. All surface objects and all trees, stirrups, roots and other protruding obstructions, not designated to remain, shall be cleared and/or grubbed, including mowed as required as directed by the Engineer..

B. Layout and Staking

Layout and staking shall be to the lengths indicated bearing values reflected in the plan. The contractor shall monitor the area being staked within the vicinity as shown in the plan to prevent miscalculations or errors during actual construction. The project – in – charge shall see to it that correct and proper execution is being undertaken.

C. Structure Excavation

The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer. All structural excavations shall extend a sufficient distance from the walls & footings to allow for proper erection & dismantling of forms, for installation of service & for inspection. All excavation shall be inspected & approved before pouring any concrete, laying underground services for placing select fill materials. The elevations of the bottoms of footings, as shown on the Plans, shall be considered as approximate only and the Engineer may order, in writing, such changes in dimensions or elevations of footings as may be deemed necessary, to secure a satisfactory foundation.

D. Embankment from Structure Excavation/ E. Embankment from Borrow

Embankments and backfills shall contain no muck, peat, sod, roots or other deleterious matter. Rocks, broken concrete or other solid, bulky materials shall not be placed in embankment areas where piling is to be placed or driven. Common fill materials include gravel, crushed stone, sand and other engineered fill materials.

The fill material is spread in layers over the prepared area. Each layer should be of uniform thickness and adequately compacted before adding the next layer. Proper compaction is essential to ensure stability and prevent future settling. After the structural fill is in place, a settlement period is observed. Embankment of earth material shall be placed in horizontal layers not exceeding 200 mm, loose measurement, and shall be compacted as specified before the next layer is placed. However, thicker layer maybe placed if vibratory roller with high compactive effort is used provided that density requirement is attained and as approved by the Engineer.

F. Gravel Bedding

Provide 100mm thick gravel bedding prior to the pouring of structures exposed to ground and must be compacted properly.

G. Disposal of Surplus Materials

Any excess materials remaining after completion of the earthwork shall be disposed of by hauling and spreading in nearby spoil areas as designated. Excavated material deposited in spoil areas shall be graded to a uniform surface.

II. STRUCTURAL CONCRETE
III. REINFORCING STEEL
IV. FORMWORKS AND FALSEWORKS

A. Structural Concrete (Class A)

PART 1 – GENERAL

Unless otherwise specified herein, concrete work shall conform to the requirements of the ACI Building Code. Full cooperation shall be given other trades to install embedded items. Provisions shall be made for setting items not placed in the forms. Before concrete is placed, embedded items shall have been inspected and tested for concrete aggregates and other materials shall have been done.

PART 2 – MATERIALS

2.1 FORMS

a. Design, erect, support, brace, and maintain form work so it will produce correctly aligned concrete and safety support vertical and lateral loads which might be applied until such loads can be supported safety by the concrete structure.
b. Construct forms to the exact sizes, shapes, lines and dimensions as required to obtain accurate alignment, location, grades, and level and plumb work in the finish structure.
c. Use plywood, metal, or surfaced lumber form for all exposed concrete work.

2.2. REINFORCEMENT

A. All reinforcing bars shall be deformed as per plan and shall be new and free from rust, oil, defects, grease, or kinks they shall conform to the requirements of ASTM A GIS.
   1. Reinforcements shall have minimum yield strength of 276 MPa.

2.3 CONCRETE

A. Comply with the following as minimum:
   1. Portland cement: ASTM C 150, TYPE I
   2. Aggregate, coarse: well graded, clean, hand particles of gravel or crushed rock, ASTMC 33, with maximum size nor larger than 1/5 of the narrowest dimension between the forms not larger than ¾ of the minimum clear spacing between reinforcing bars nor larger than 2.3 centimeters in diameter.
   3. Aggregate, fine: Natural washed sand of hard and durable particles varying from fine to particles passing a No.4 standard scene.
   4. Water clean and free from injurious amounts oil, acid, alkali, salt, or organic materials or other deleterious substance.

B. Provide concrete with a minimum 28-day compressive cylinder strength with following:

Foundation	21 MPa
Suspended Slab.	21 MPa
Beams, girders, columns	21 MPa

C. All concrete tests, as may be required by the owner or Civil Engineer, shall conform to the requirements of ASTMC 39; Steel tests shall conform to ASTM A 50. Cost of any tests shall be at the expense of the Contractor. Slump tests shall be obtained from at least. Three standard cylinder sample and shall conform to ACI 613.

PROPORTIONS AND MIXING

Proportions of all materials entering into the concrete shall be as follows:

Class		Cement	:	Sand	:	Gravel
Class "A"	-	1	:	2	:	3

2.4 OTHER MATERIALS

Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the approval of the Engineer.

PART 3 – EXECUTION

3.1 CONDITIONS

Examine the areas and the conditions under which work will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until the conditions are unsatisfactory.

3.2 FORMS

A. All girders, beams, and centering shall be on at least 2.5 centimeters in all directions.
B. Forms and shoring shall not be removed until concrete is adequately set and strong enough to withstand anticipated loading and in no case less than seven days after pouring.
C. Forms and shoring may be removed earlier than specified provided that test samples of concrete are taken and are shown to be adequately strong to carry safely dead load and construction live load.

3.3 EMBEDDED ITEMS

A. Do not embed piping, other than electrical conduit, in structural concrete.
   1. Locate conduit to maintain maximum strength of the concrete.
   2. Increase the thickness of the concrete if the outside diameter of the conduit exceeds 30% of the thickness of the concrete.
B. Set bolts, inserts, and other required items in the concrete, accurately secured so they will not be displaced, and in the precise locations needed.

3.4 MIXING CONCRETE

A. The preparation of aggregates to cement for any concrete shall be such as to produce a mixture which will work readily into the corners and angles of the forms and around reinforcements with the method of placing employed in the work, but without permitting the materials to segregate or excess free water to collect on the surface. The weight of the fine aggregates shall not be less than 30% or greater than 50% of the total.
B. Measurement of materials for ready mixed concrete shall conform to ASTM C 94.
C. Measure aggregates by weight within 1-% accuracy. Verify randomly that cement conforms to 40 kilograms per pack. Measure water by weight to within 1.5-% accuracy.
D. Water content shall not exceed 24 to 27 liters per bag of cement slump in centimeters corresponding to non-air entrained concrete shall be as follows:
   1. Columns and end supported beams girders & slabs.....2.5 min.-10 max
   2. Walls & thin vertical sections.....2.5 min.-10 max
   3. Footings bedded slabs & cantilevered beams & slabs...7.5 min.- 7.5 max.
E. No hand mixing shall be allowed except in case of emergency such as mixer breakdown during pouring operations, and shall stop at the first allowed construction joint. All concrete shall be machine mixed for at least 1-½ minutes.
F. Mixer must be of sufficient size and type which will ensure a uniform distribution of materials throughout the mass it must be equipped with a device for accurately measuring and controlling the amount of mixing water in each batch.
G. The first batch of concrete materials placed in the mixer shall contain sufficient excess cement, sand, and water to coat the inside of the drum without reducing the content of the mix to be discharged.
H. Revamping of concrete shall not be permitted.

3.6 PLACING CONCRETE

A. Preparation
   1. Remove foreign matter accumulated in the forms.
   2. Rigidly close openings left in the frame work.
   3. Wet wood forms sufficiently to tighten up cracks; wet other material sufficiently to maintain workability of the concrete.
   4. Use only clean tools.
B. Conveying
   1. Perform concrete placing at such a rate that concrete which is being integrated with fresh concrete is still plastic.
   2. Deposit concrete in its final position without segregation, rehandling, or flowing. Place concrete with buggies, buckets or wheelbarrows. No chutes shall be allowed except to transfer concrete from the mixer to the buggies and shall not exceed six meters in total length.
   3. Do not place concrete with a free fall of more than 1-½ meters, except when approved sheet metal conduits, pipes or elephant trunks are employed. These conveyers, when used, shall be kept full of concrete and the ends kept buried in the newly placed concrete as pouring progresses.
   4. Do not use concrete which becomes non- plastic or unworkable, or does not meet required quality control limits, or has been contaminated with foreign materials remove rejected concrete from the job site.
C. Placing of Concrete
   1. Deposit concrete in horizontal layers not deeper than 60 centimeters, and avoid inclined construction joints.
   2. Deposit concrete in its final position within three hours from the time of mixing, after which it will be rejected.
   3. Deposit and consolidate concrete slabs in a continuous operation, within limits of construction joints, unit the placing of a panel or a section is completed.

4. Bring slab surfaces to the correct level with a straightedge, and then strike off.
5. Use bull floats to smooth the surface, leaving the surface free from bumps and hollows.
6. Do not sprinkle water on the plastic surface. Do not disturb the slab surface prior to start of finishing operations.

3.7 CONSOLIDATION

A. General:

1. Consolidate each layer of concrete immediately after placing; by use of concrete vibrators supplemented by hand spading, rodding, or tamping.
2. Do not allow pouring without the use of vibrators. Avoid segregation due to over vibration. Do not use vibrators to transport or spread concrete inside the forms.
3. Stop vibration when mixture ceases to decrease in volume. When possible, concreting shall be continuous until the section is complete.

3.8 CONSTRUCTION JOINTS

A. General:

1. When stoppage of concreting operation occurs for any reason place construction joints either horizontally or vertically and provide with shear keys and dowels to develop bond.
2. Clean the surface of the poured concrete against which fresh concrete is to be deposited of all laitance and expose aggregates before concreting is resumed. Coat surface thoroughly with cement grout.

3.9 CURING CONCRETE

A. General

1. Cure concrete by keeping concrete continuously moist for at least one week after placing. Floors and vertical surfaces maybe sprayed with an approved preparation to related evaporation of water provide such spraying is not objectionable because of subsequent finish.
2. Calcium chloride shall not be allowed in any concrete mix.

3.10 REMEDIAL WORK

A. Complete repair on concrete imperfections within twenty-four hours after removal of forms. Neatly remove pins from exposed surfaces. Concrete that is damaged or honeycombed must be removed to reach concrete and replaced with the dry-pack mortar, or concrete as hereinafter specified. Where large bulges and abrupt irregularities protrude, the protrusions shall be removed by grinding.

B. Use dry-pack filling for holes whose width is less than its depth, for holes left by removal of fasteners from the ends of form tie-rods, for grout and pipe recesses, and for narrow slots cut for repairing of cracks. Do not use dry pack for filling behind reinforcements or for filling holes that extend completely through the concrete.

C. Use motor filling placed under pressure by a motor gun for holes too wide for dry-pack filling and too shallow for concrete filling and not deeper than the far side of the reinforcement nearest to the surface.

Use concrete filling for holes extending entirely through the concrete, for holes greater in area than 1,000 square centimeters and deeper than 10 centimeters, and for holes, which extend beyond the reinforcements.

B. Reinforcing Steel

A. Description

This Item shall consist of furnishing, bending, fabricating and placing of steel reinforcement of the type, size, shape and grade required in accordance with this Specification and in conformity with the requirements shown on the Plans or as directed by the Engineer.

B. Construction Requirements

1. Order Lists

Before materials are ordered, all order list and bending diagrams shall be furnished by the Contractor, for approval of the Engineer. The approval of order lists and bending diagrams by the Engineer shall in no way relieve the Contractor of responsibility for the correctness of such lists and diagrams. Any expense incident to the revisions of materials furnished in accordance with such lists and diagrams to make them comply with the Plans shall be borne by the Contractor.

2. Protection of Material

Steel reinforcement shall be stored above the surface of the ground upon platform, skids, or other supports and shall be protected as far as practicable from mechanical injury and surface deterioration caused by exposure to conditions producing rust. When placed in the work, reinforcement shall be free from dirt, detrimental rust, loose scale, paint, grease oil, or other foreign materials. Reinforcement shall be free from injurious defects such as cracks and laminations. Rust, surface seams, surface irregularities or mill

scale will not be cause for rejection, provided the minimum dimensions, cross sectional area and tensile properties of a hand wire brushed specimen meets the physical requirements for the size and grade of steel specified.

3. Bending

All reinforcing bars requiring bending shall be cold-bent to the shapes shown on the Plans or as required by the Engineer. Bars shall be bent around a circular pin having the following diameters (D) in relation to the nominal diameter of the bard (d):

Nominal Diameter, d, mm	Pin Diameter (D)
10 to 20	6d
25 to 28	8d
32 and greater	10d

Bend and hooks in stirrups or ties may be bent to the diameter of the principal bar enclosed therein.

4. Placing and Fastening

All steel reinforcement shall be accurately place in the position show on the Plans or as required by the Engineer and firmly held there during the placing and settling of the concrete. Bars shall be tied at all intersections except where spacing is less than 300 mm in each direction, in which case, alternate intersections shall be tied. Ties shall be fastened on the inside.

Distance from the forms shall be maintained by means of stays, blocks, ties, hangers, or other approved supports, so that it does not vary from the positions indicated on the Plans by more than 6mm. blocks for holding reinforcement from contact with the forms shall be precast mortar blocks of approved shapes and dimensions. Layers of bars shall be separated by precast mortar block or by other equally suitable devices. The use of pebbles, pieces of broken stone or brick, metal pipe and wooden blocks shall not be permitted. Uncles otherwise shown on the Plans or as required by the Engineer, the minimum distance between bars shall be 40 mm. Reinforcement in any member shall be placed and the inspected and approved by the Engineer before placing of concrete begins. Concrete placed in violation of this provision may be rejected and removal may be required. If fabric reinforcement is shipped in rolls, it shall be straightened before being placed. Bundled bars shall be tied together at not more than 1.8 m intervals.

5. Splicing

All reinforcement shall be furnished in the full lengths indicated on the Plans. Splicing of bars, except where shown on the Plans, will not be permitted without the written approval of the Engineer. Splices shall be staggered as far as possible and with a minimum separation of not less than 40 bar diameters. Not more than one-third of the bars may be spliced in the same cross-section, except where shown on the Plans.

Unless otherwise on the Plans, bars shall be lapped a minimum distance of:

Splice Type	Grade 280 (40)	Grade 420 (60)	But not less than
Tension	24 bar dia	36 bar dia	300 mm
Compression	20 bar dia	24 bar dia	300 mm

In lapped splices, the bars shall be placed in contact and wired together. Lapped splices will not be permitted at locations where the concrete section is insufficient to provide minimum clear distance of one and one-third the maximum size of coarse aggregate between the splice and the nearest adjacent bar. Welding of reinforcing steel shall be done only if detailed on the Plans or if authorized by the Engineer in writing. Spiral reinforcement shall be spliced by lapping at least on and a half turns or by butt welding unless otherwise shown on the Plans.

6. Lapping of Bar Mat

Sheets of mesh or bar mat reinforcement shall overlap each other sufficiently to maintain a uniform strength and shall be securely fastened at the ends and edges. The overlap shall not be less than one mesh in width.

C. Method of Measurement

The quantity of reinforcing steel to be paid for will be the final quantity placed and accepted in the completed structure.

No allowance will be made for tie-wires, separators, wire chairs and other material used in fastening the reinforcing steel in place. If bars are substituted upon the Contractor's request and approved by the Engineer and as a result thereof more steel is used than specified, only the mass specified shall be measured for payment.

No measurement or payment will be made for splices added by the Contractor unless directed or approved by the Engineer.

When there is no item for reinforcing steel in the Bill of Quantities, costs will be considered as incidental to the other items in the Bill of Quantities.

V. ROOF FRAMING AND ROOFING WORKS

GENERAL

All materials shall be of kind and size specified on the plans. All works shall be performed and computed in accordance with the generally accepted and modern practice of steel works. Use materials as specified in the plan. All welding shall be done by approved, competent, experienced and fully qualified welders. Surfaces to be welded shall be smooth, uniform and free from tears and other defects which would adversely affect the quality of the weld. The contractor shall remove and replace or correct as instructed, welds found to be defective or deficient and shall also replace all methods found to produce inferior results with methods that will produce satisfactory work.

MATERIALS

1. Roof Framing

a. 2 ½" Ø x 6m G.I. Pipe Schedule 40
b. 2" Ø x 6m G.I. Pipe Schedule 40
c. 1 ½" Ø x 6m G.I. Pipe Schedule 40
d. 1" Ø x 6m G.I. Pipe Schedule 40
e. 3" x 3" x 6mm thk x 6m Angle Bar
f. 2" x 2" x 6mm thk x 6m Angle Bar
g. 1 ½" x 1 ½" x 6mm thk x 6m Angle Bar
h. 1" x 1" x 6mm thk x 6m Angle Bar
i. 2" x 6" x 2mm thk x 6m C-Purlins
j. 2.0mm thk 2" x 6" x 6m Rectangular Tube
k. 20mm Ø Deformed RSB, Grade 40
l. 16mm Ø Plain RSB
m. 12mm Ø Plain RSB
n. 10mm Ø Plain RSB
o. 16mm thk Steel Plate
p. 12mm thk Steel Plate
q. 5/8" Stainless Anchor Bolts with Nuts & Washers
r. 16mm Ø Turnbuckles
s. Welding Rod
t. Consumables - Oxygen, Acetylene, Grinding Disc, Sanding Paper etc.

2. Roofing

a. 0.50mm thk G.I. Curvature Pre-painted Long Span Roofing
b. 0.50mm thk G.I. Pre-painted End Flashing
c. 0.50mm thk G.I. Pre-painted Gutter
d. 0.50mm thk. Pre-Painted False Gutter
e. 0.50mm thk. Plain G.I. Sheet
f. 2.0mm x 4' x 8' Plain G.I. Sheet
g. 6mm Ø J-Bolt with Felt & Cyclonic Washers

Provide other materials, not specifically described but required for a complete and proper installation as sealed by the Contractor subject to the approval of the Engineer.

(See plan for dimension and details)

SPECIFICATIONS

VI. ARCHITECTURAL WORKS

A. Painting Works

Concrete and Metal Surfaces

General

All painting materials shall meet the requirements of standard specifications and subject for the approval by the supervising engineer. All paints shall be delivered at the jobsite in the original containers with label intact and seals unbroken. The paint shall dry to smooth uniform finish free from roughness, unevenness and other imperfections.

Scope

All painting materials shall meet the requirements of standard specifications and subject for the approval by the supervising engineer. All paints shall be delivered at the jobsite in the original containers with label intact and seals unbroken. The paint shall dry to smooth uniform finish free from roughness, unevenness and other imperfections.

1. Surface Examination – No exterior paint or interior finish shall be done under condition which may jeopardize the quality or appearance of painting or finish.
2. Preparation – all surface to receive paint should be cleaned and in proper condition. Wood works shall be sandpapered and dusted clean. All knot holes, pitch pockets, or sappy portions shall be shellacked or sealed with knot sealer. Nail holes, cracks, or defects shall be carefully puttied after the first coat with putty bleaching color of the stain or paint.
3. Interior Woodwork – wood finish shall be sandpapered between coats, Cracks, holes, or plaster imperfections shall be filled with patching plaster and smoothed off to match adjoining surfaces,
4. Plaster or masonry – masonry or plaster shall be completely dried before any sealer or paint is applied. After the primer-sealer coat is dried, all visible suction spots shall be toughed up before the succeeding coats are applied. Work should not be continued until after all spots have been sealed. In the presence of high alkali conditions, surfaces should be washed to neutralized alkali.
5. Metals – metals shall be clean, dry and free from mill scale and rust. Remove all grease and oil from the surface. Unprimed galvanized metal shall be washed with metal etching solution and allowed to dry before applying a primer.
6. Concrete surface – the surface shall be wire-brushed clean. Glazed surfaces and those with traces of patching compound shall be sandpapered or acid etched before applying a primer.

Painting works shall also be applied to masonry works, new cabinet doors and cabinets.

This Item shall consist of furnishing all paints, enamels varnishes and other products to be used including labor, tools and equipment required as shown on the Plans and in accordance with these Specifications. The color finish shall conform to the standard colors of the facility as per specified.

The contractor prior to commencement of the work shall examine the surfaces to be applied with paints, enamels, varnishes, lacquers, sanding sealers and other related products in order not to jeopardize the quality and appearance of painting or finishing work.

In addition, the Contractor shall undertake the following:

1. Voids, cracks, and all other kinds of defects, shall be repaired with proper patching materials and finished flush with the surrounding surfaces.
2. All hardware shall be protected or removed prior to painting and varnishing operations.
3. Upon completion of the work, all staging, scaffoldings and paint containers shall be removed and disposed.
4. Paint drips, oil, or stains on adjacent surfaces shall be removed and the entire job left clean and acceptable to the Project in-charge.

APPLICATION

Concrete Surfaces

1. Seal with one coat of Epoxy penetrating sealer by brush or roller and let dry for 5-24 hours
   Options:
   a. For Plain Finish without Aggregates, proceed to step 2 & 3.
   b. For Non-Skid Finish, broadcast anti-skid additive on still wet epoxy penetrating sealer at 1 kg/sq. m and let it dry overnight. When dry, dust-off excess additives then proceed to step 3
   c. For Plain Finish with Aggregates, add aggregates on the self levelling epoxy floor paint mixture at ratio of 3:1:1 by volume (Base: Hardener: Aggregates). Apply by trowel or squeegee. While still wet, finish off with a spiked roller to remove air bubbles and level-off at the same time.
2. When necessary, putty hollow surfaces with Epoxy patching compound with mix ratio of 1:1 (Base: Hardener) by volume.
3. Finish with one coat of Self Levelling Epoxy Floor paint by trowel or squeegee. While still wet, finish off with spiked roller to remove air bubbles and level-off at the same time. Let dry overnight.

VII. PLUMBING WORKS

A. GENERAL

1. All work shall be done under the direct supervision of a licensed plumber and a strict accordance with this specification and for the methods as prescribed by the National Plumbing Code of the Philippines.

B. PRODUCTS

MATERIALS

a. 4" Ø PVC Sanitary Pipe S1000
b. 4" Ø PVC Sanitary Elbow 90°
c. 4" Stainless Gutter Dome Strainer
d. Consumables (Teflon Tape, Coupling, etc.)

OTHER MATERIALS

Provide other materials, not specifically described but required for a complete and proper installation as selected by the Contractor subject to the approval of the Architect.

C. EXECUTION

1. SURFACE CONDITIONS

a. Examine the areas and conditions under which work will be performed. Correct conditions detrimental to timely and proper completion of the work.

2. PLUMBING SYSTEM LAYOUT

a. Layout the plumbing system in careful coordination with the Drawings, determining proper elevations for all components of the system and using only the minimum number of bends to produce a satisfactory functioning system.
b. Follow the general layout shown on the Drawings in all cases except where other work may interfere.
c. Layout pipes to fall within partition, wall, or roof cavities, and to not require furring other than as shown on the Drawings.

3. INSTALLATION OF PIPING AND EQUIPMENT

A. General:

1. Proceed as rapidly as the building construction will permit.
2. Thoroughly clean items before installation. Cap pipe openings to exclude dirt until fixtures are installed and final connections have been made.
3. Cut pipe accurately, and work into place without springing or forcing, properly cleaning windows, doors, and other openings. Excessive cutting or other weakening of the building will not be required.
4. Show no tool marks or threads on exposed plated, polished, or enameled connections from fixtures. Tape all finished surfaces to prevent damage during construction.
5. Make changes in directions with fittings; make changes in main sizes with eccentric reducing fittings. Unless otherwise noted, install water supply and return piping with straight side of eccentric fittings at the top of the pipe.
6. Run horizontal sanitary and storm drainage piping at a uniform grade of ¼ "per ft., unless otherwise noted. Run horizontal water piping with an adequate pitch upwards in direction of flow to complete drainage.
7. Provide sufficient swing joint, ball joints, expansion loops, and devices necessary for a flexible piping system, whether or not shown on the Drawings.
8. Support piping independently at pumps and similar locations, so that weight of pipe will not be supported by the equipment.
9. Pipe the drains from pump glands, drip pans, relief valves, air vents, and similar locations, to spill over an open sight drain, or other acceptable discharge point, and terminate with a plain end unthreaded pipe 6" above the drain.
10. Provide union and shut off valves suitably locked to facilitate maintenance and removal of equipment and apparatus.

A. Equipment access:

1. Install piping equipment, and accessories to permit access for maintenance. Relocate items as necessary to provide such access, and without additional cost to the Owner.
2. Provide access doors where valves, motors or equipment requiring access for maintenance are located on walls or chases or above ceilings. Coordinate location of access doors with other trades as required.

SPECIFICATIONS

VIII. ELECTRICAL WORKS

SCOPE OF WORK

The works include furnishing of labor, materials, tools, equipment and other incidentals necessary to complete the project such as: Electrical works

a. The work under this section consists of furnishing of labor, materials, equipment, Tools and all incidentals to complete and make ready for operating the electric Power and Lighting System as indicated in the electrical plans for the project, in accordance with the drawing, specifications and contract.

b. The work shall include the furnishing and installation of the following, each complete and in proper operating condition unless otherwise stated in this specification.

1. Furnishing and installing all necessary feeder, sub-feeder and branch circuit wires and cables necessary with corresponding sizes as indicated in electrical plans.

2. Furnishing and installing all necessary electrical wiring devices such as utilization outlets, wall switches, and receptacle all complete with their proper cover plates.

3. Furnishing and installing all necessary pull boxes, junction boxes, utility boxes and other type of box as site condition requires and /or as indicated in the plan.

c. All work hereunder, shall comply with the latest edition of the Philippine Electrical Code Part I, the rules and regulation of the Local Electric Ordinance of the locality, the rules and regulation of local government authorities and with the Republic Act 7920 as applied or enforced in the projects locality.

d. All installation work shall be done under the direct supervision of a duly licensed Registered Electrical Engineer as provided or employed by the contractor. Electricians undertaking the actual installation shall be as trained and certified by TESDA.

e. With respect to the rules and regulation of the local electric company, it shall be the contractor's responsibility to verify the point of service entrance and other requirement necessary from the utility company for service connection.

2.0 PRODUCTS

2.1 CONDUITS, FITTINGS AND BOXES

All wiring running under floor, underground and through concrete ceiling or concrete partitions shall be thick wall rigid uPVC pipe conduits.

Wiring and installation through wooden double wall partition and inside ceiling shall be in rigid uPVC Flexible conduit or rigid upvc conduit.

In all cases the wiring installation shall be concealed from view.

Conduit shall not be less than 20mm diameter or as indicated in the plan.

All conduits' fittings shall be of the same brand with the conduit. Proper connection between conduits shall be observed by using PVC solvent cement

Utility and junction boxes shall be PVC, heavy duty and deep type with the same brand of the conduits. Whenever necessary pull boxes shall be provided even not indicated in the plan.

Pull boxes and wire gutters as site condition would require its installation shall be gauge #18 and painted with gray epoxy primer finished in enamel gray paint. Sizes shall be subject for approval by the Electrical Engineer.

All junction boxes, square boxes and pull boxes shall be provided with corresponding and appropriate cover.

All convenience outlet and switches shall be flush mounted and properly embedded to the wall.

Mounting heights shall be as follows:

C.O. and auxiliary outlet---------- 450mm AFFL
Lighting Control Switches----------1250mm AFFL
Panelboard ----------1800mm AFFL
Solar Lights ----------as indicated in design drawing
ALL OTHER HEIGHTS------- Verify to the Project In charge

All service entrance equipment such as panelboards shall be properly grounded in accordance with the provision of Philippine Electrical Code.

SPECIFICATIONS

2.2 WIRES AND CABLES

a. Minimum homerun size of wire shall be 3.5 sq. mm for lighting and power lines.

b. Unless otherwise specified in the specifications or shown in the drawings, copper and thermoplastic heat insulated type "THHN" wires shall be used to all branch circuit conductors. Wires shall be as recommended by the Electrical Engineer.

c. Service voltage shall be single phase, two wires, 230V, 60 hertz system. Conductor tap shall be heavy duty, all brass and copper split bolt type solderless connectors and are tightened to the maximum mechanical strength and insulate with rubber friction tapes to ensure an insulation of the conductors they join.

d. Branch circuit splicing and tapping for lighting and power junction and utility boxes shall be done using rubber tape and must be overlay by electrical plastic tape to limit moisture penetration.

e. No splicing shall be permitted inside the conduits. Unless otherwise site condition requires such splicing, proper boxes shall be provided.

f. Branch circuit homeruns shall not be combined in the same raceway and raceway for auxiliary line shall not contain power lines.

2.3 LIGHTING FIXTURES

All lighting fixtures shall be brand new, LED and in the same type as indicated in the plan. Location for each must be properly followed.

Emergency light shall be LED, single convenience outlet shall be provided in each as a power source.

3.0 TEST AND ADJUSTMENTS

After the installation have been completed and when the system is ready for operation, insulation resistance testing and continuity test shall be conducted by a competent and experienced engineer to be furnished by the contactor in the presence of Owner or its authorized representative. These tests shall demonstrate the insulation level of the wirings detecting any presence of grounded installations and short circuits. The contractor shall also furnish all the instruments such as multi-tester and insulation resistance tester to enable to carry out a comprehensive test of the equipment and system.

Prepared by:

JHOAN B. TORILLA
Engineer I - CDS

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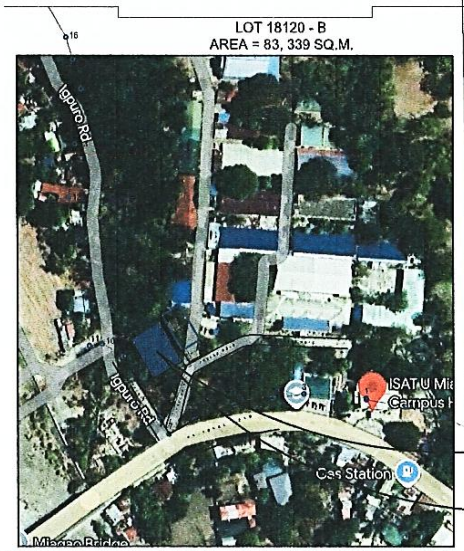
VICINITY MAP
Scale: NOT DRAWN TO SCALE

PROJECT LOCATION



THIS SITE

SITE DEVELOPMENT PLAN
Scale: NOT DRAWN TO SCALE

ARCHITECT'S PERSPECTIVE

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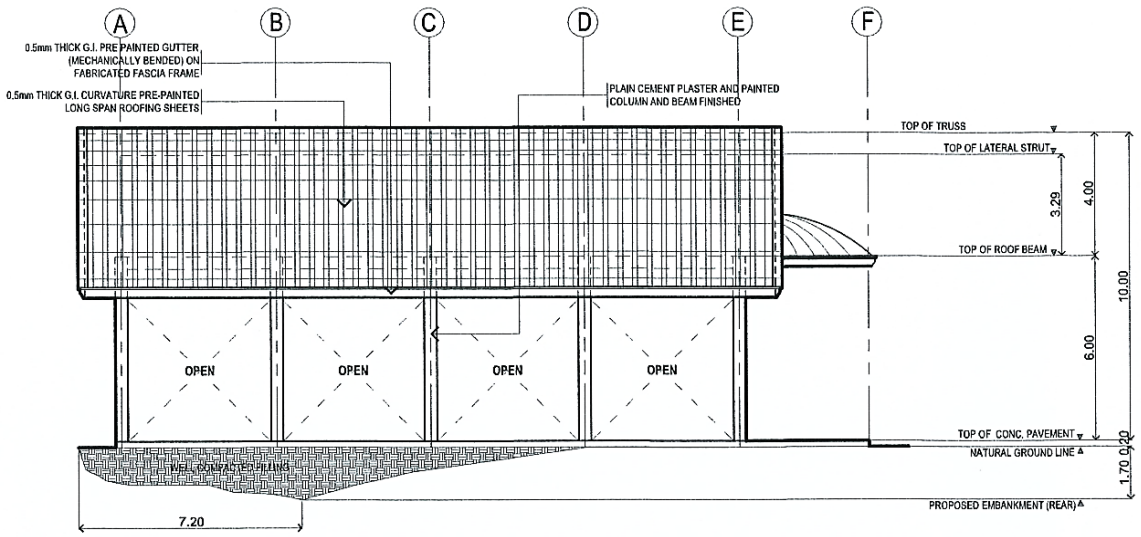

FRONT & REAR ELEVATION

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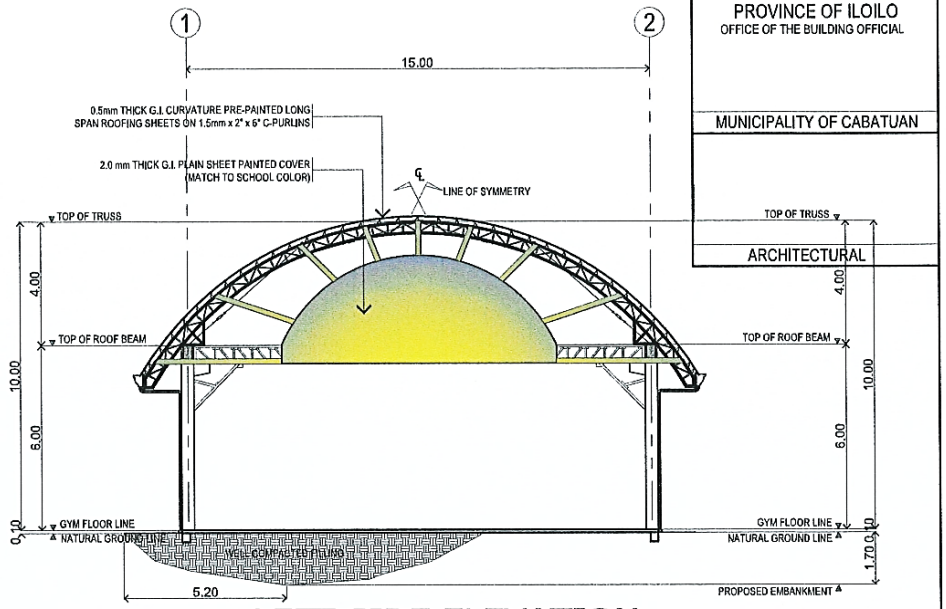

LEFT SIDE ELEVATION

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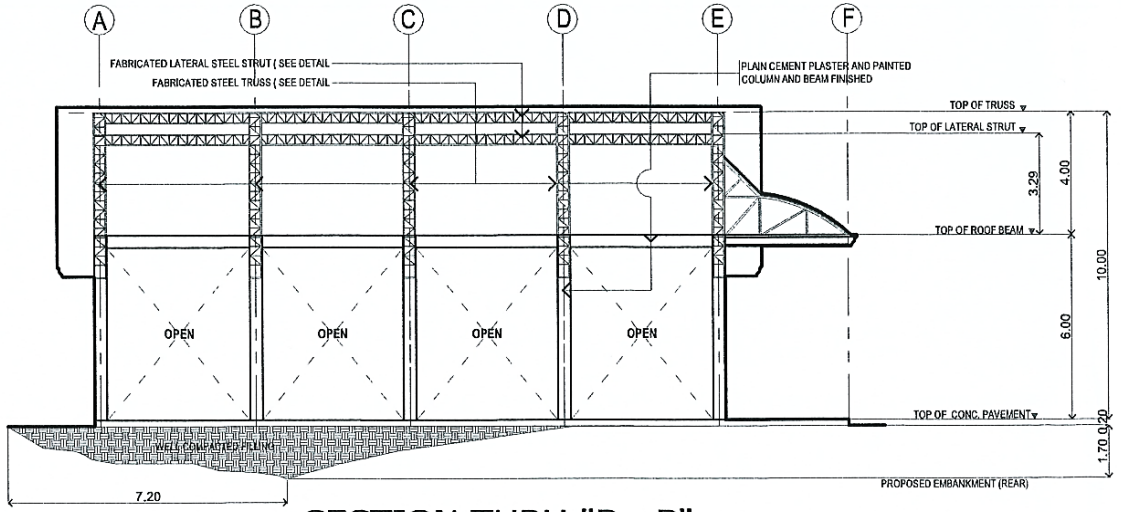

SECTION THRU "B - B"

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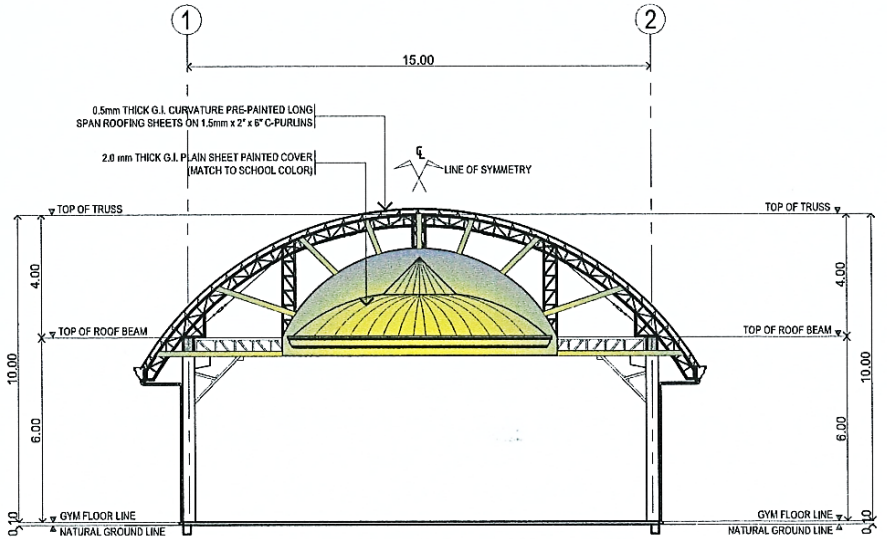

RIGHT SIDE ELEVATION

Scale: 1:100 MTS.

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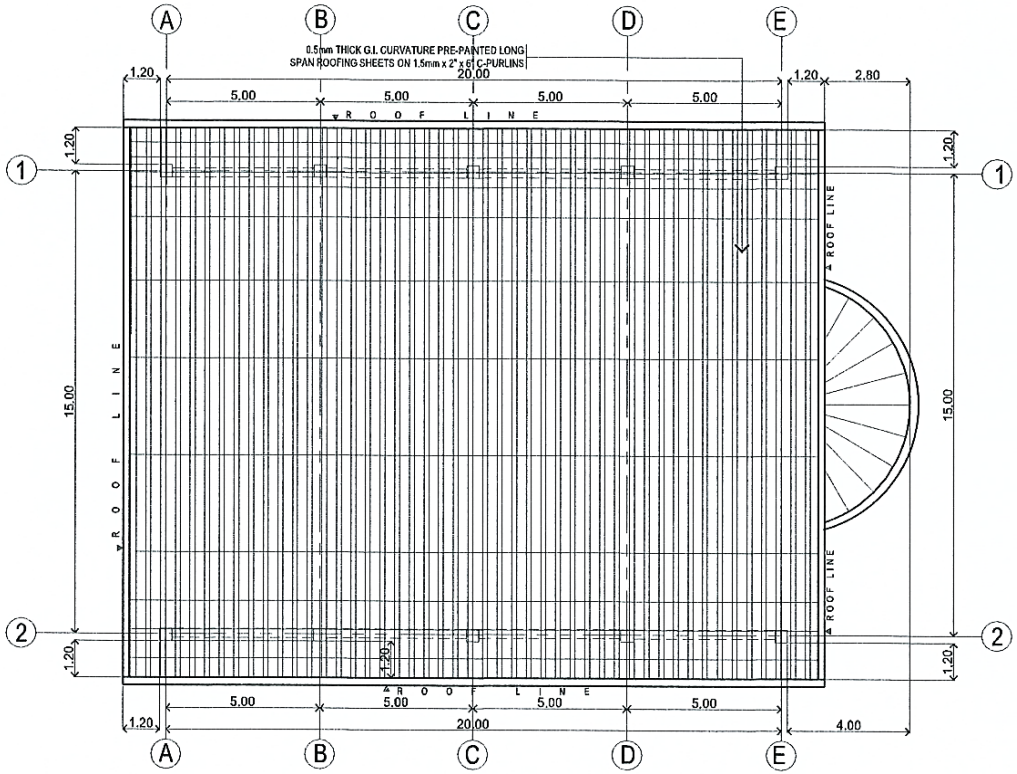

ROOF PLAN
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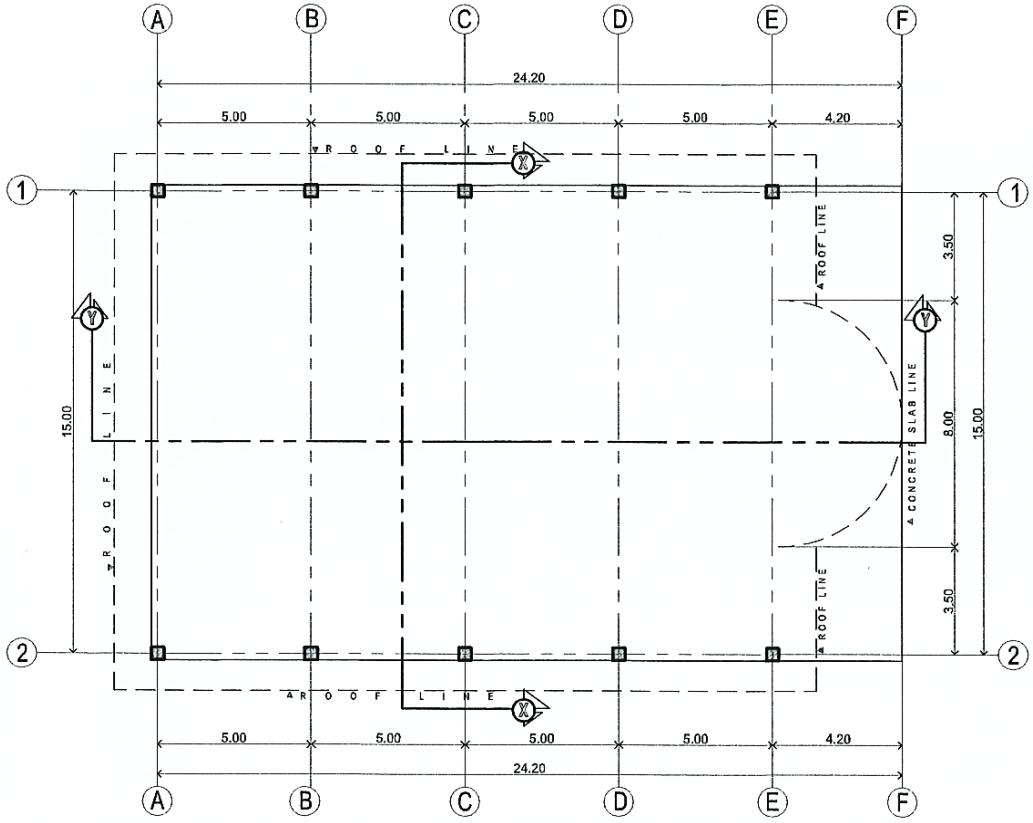

FLOOR PLAN
Scale: 1:100 MTS.

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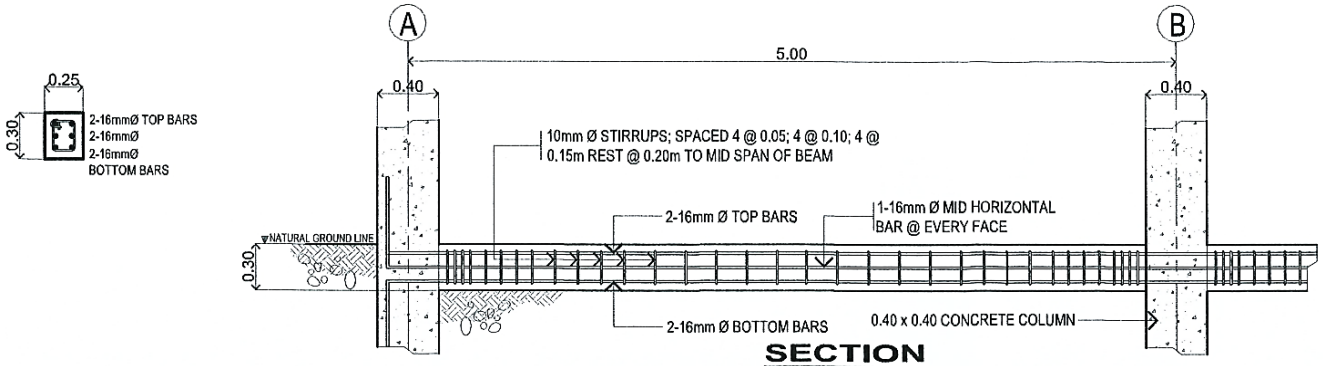

SECTION

FOOTING TIE BEAM DETAIL

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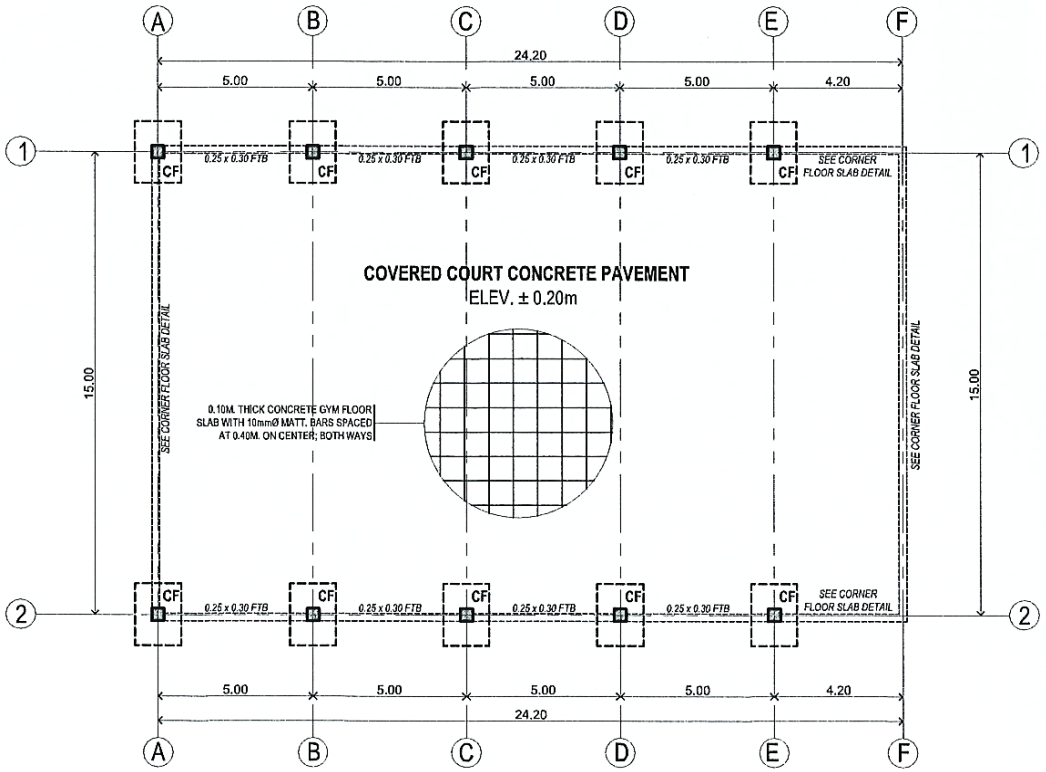

FOUNDATION PLAN

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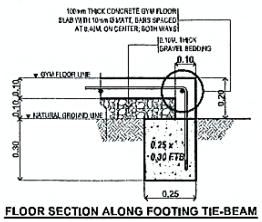
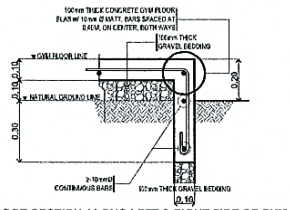


FLOOR SECTION ALONG FOOTING TIE-BEAM



FLOOR SECTION ALONG LEFT & RIGHT SIDE OF GYM

CORNER FLOOR SLAB DETAIL

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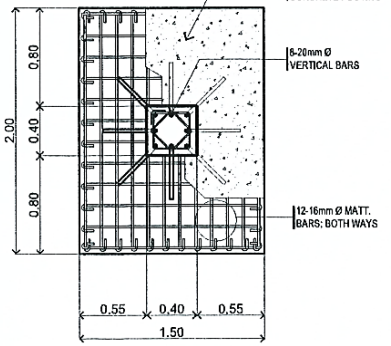
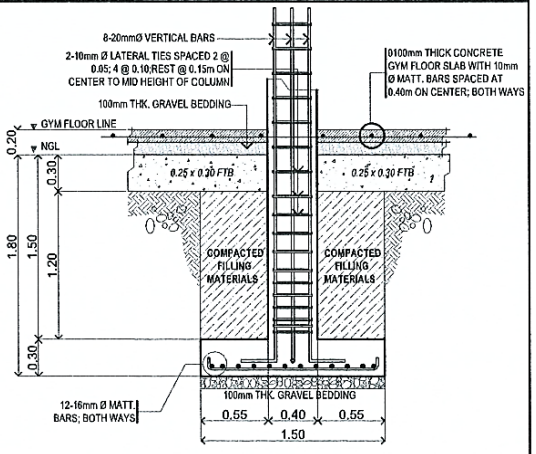


PLAN



SECTION

COLUMN FOOTING DETAIL (CF)

Scale: 1:25 MTS.

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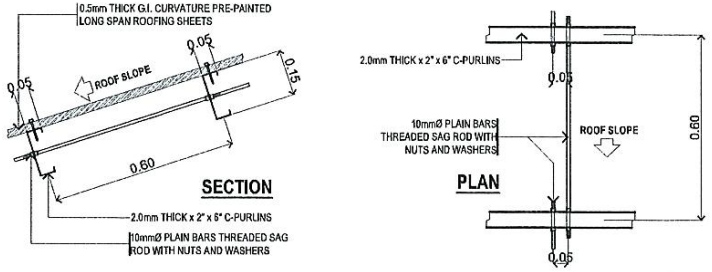
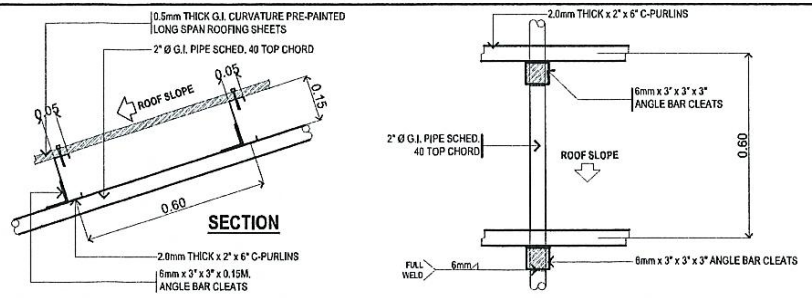


PURLINS & SAG ROD CONNECTION DETAIL

Scale: 1:10 MTS.



PURLINS & TOP CHORD CONNECTION DETAIL

Scale: 1:10 MTS.

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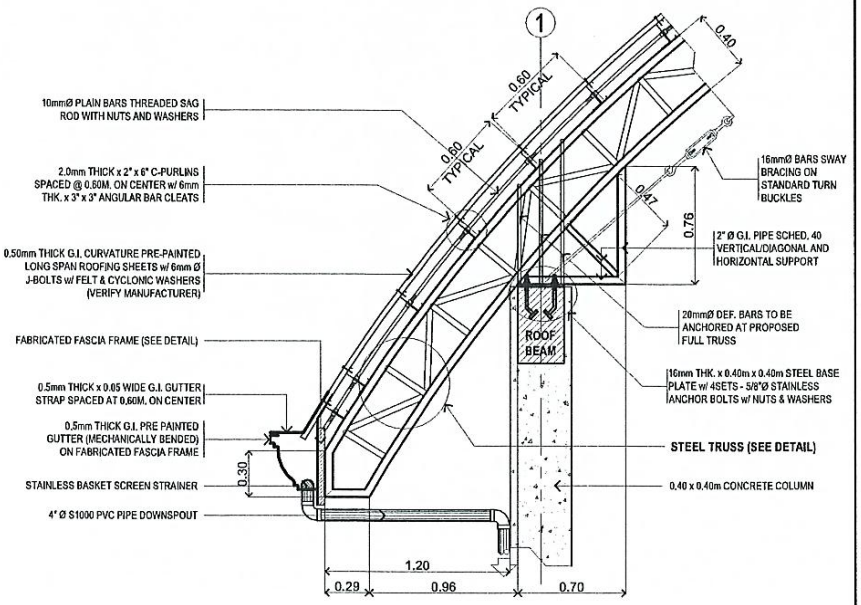

TYPICAL ROOF EAVES DETAIL

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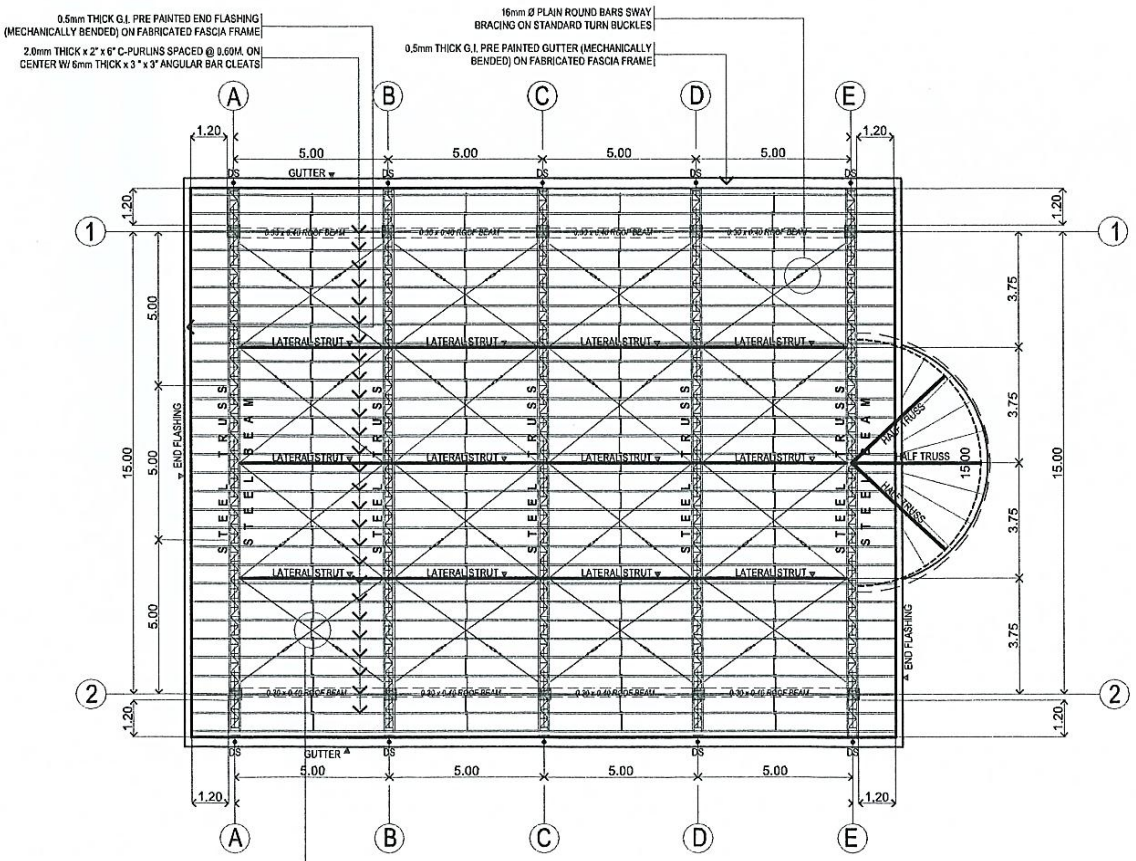

ROOF FRAMING PLAN

Scale: 1:100 MTS.

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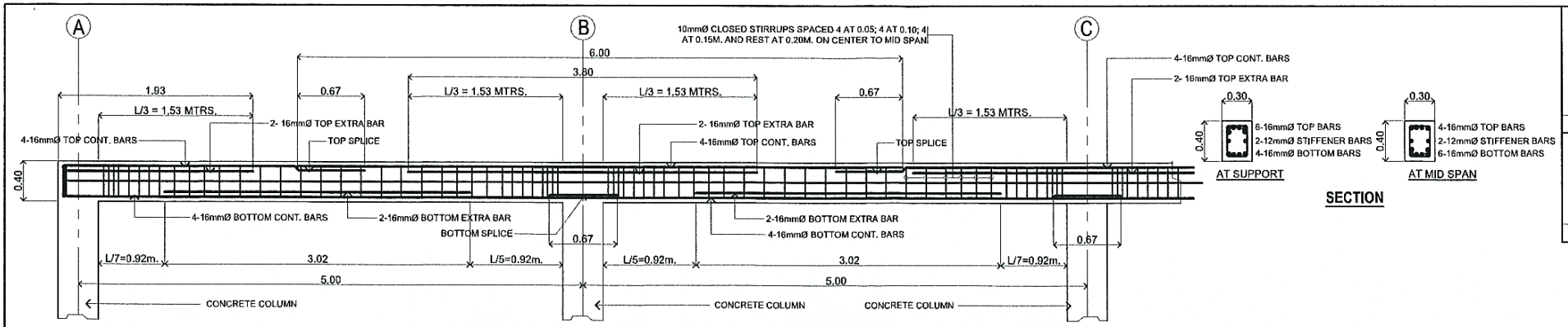
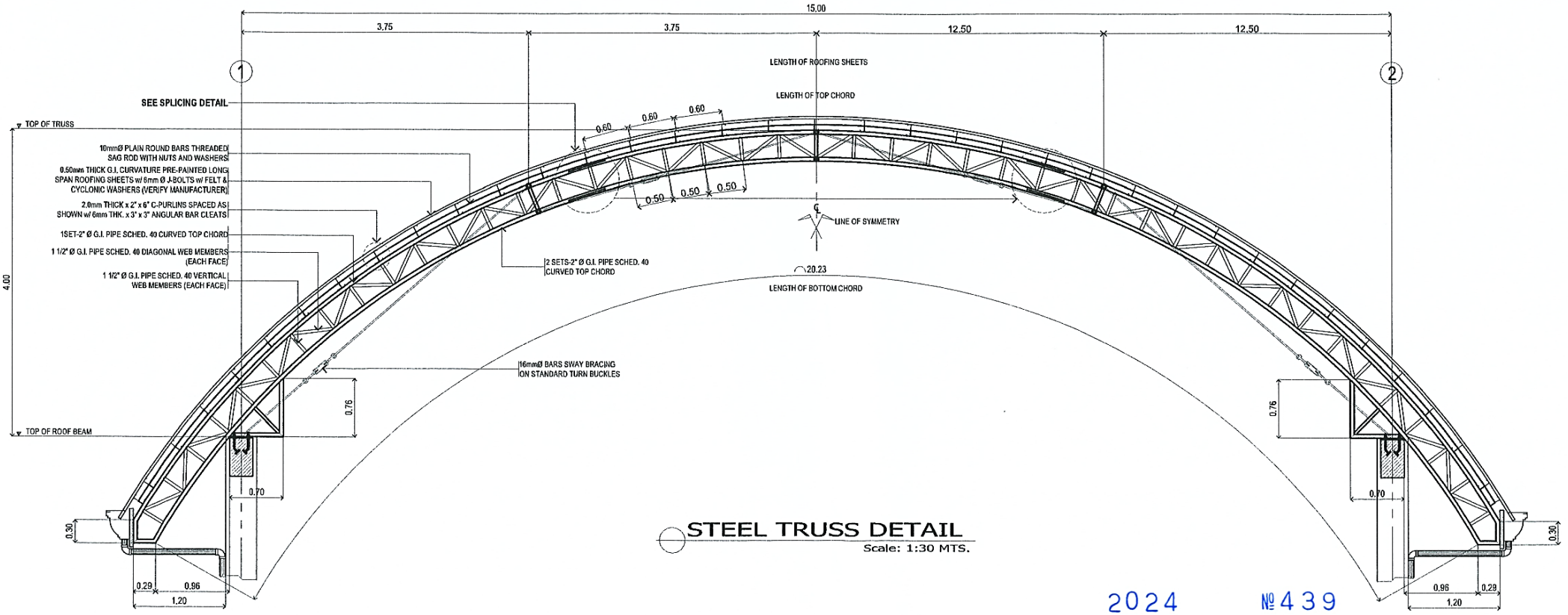


SECTION

DETAIL SECTION/ELEVATION OF ROOF BEAM

Scale: 1:25 MTS.



STEEL TRUSS DETAIL

Scale: 1:30 MTS.

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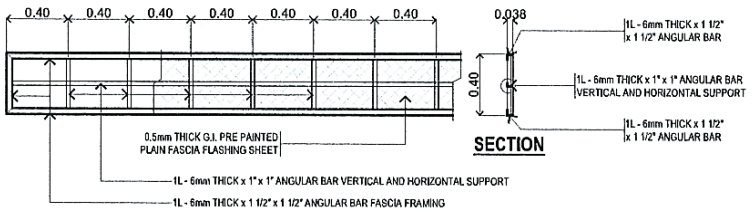

TYPICAL FASCIA FRAME DETAIL

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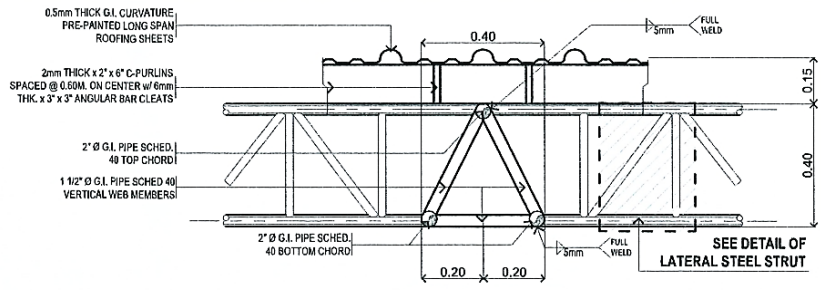

TYPICAL SECTION

STEEL TRUSS CROSS SECTION

Scale: 1:10 MTS.

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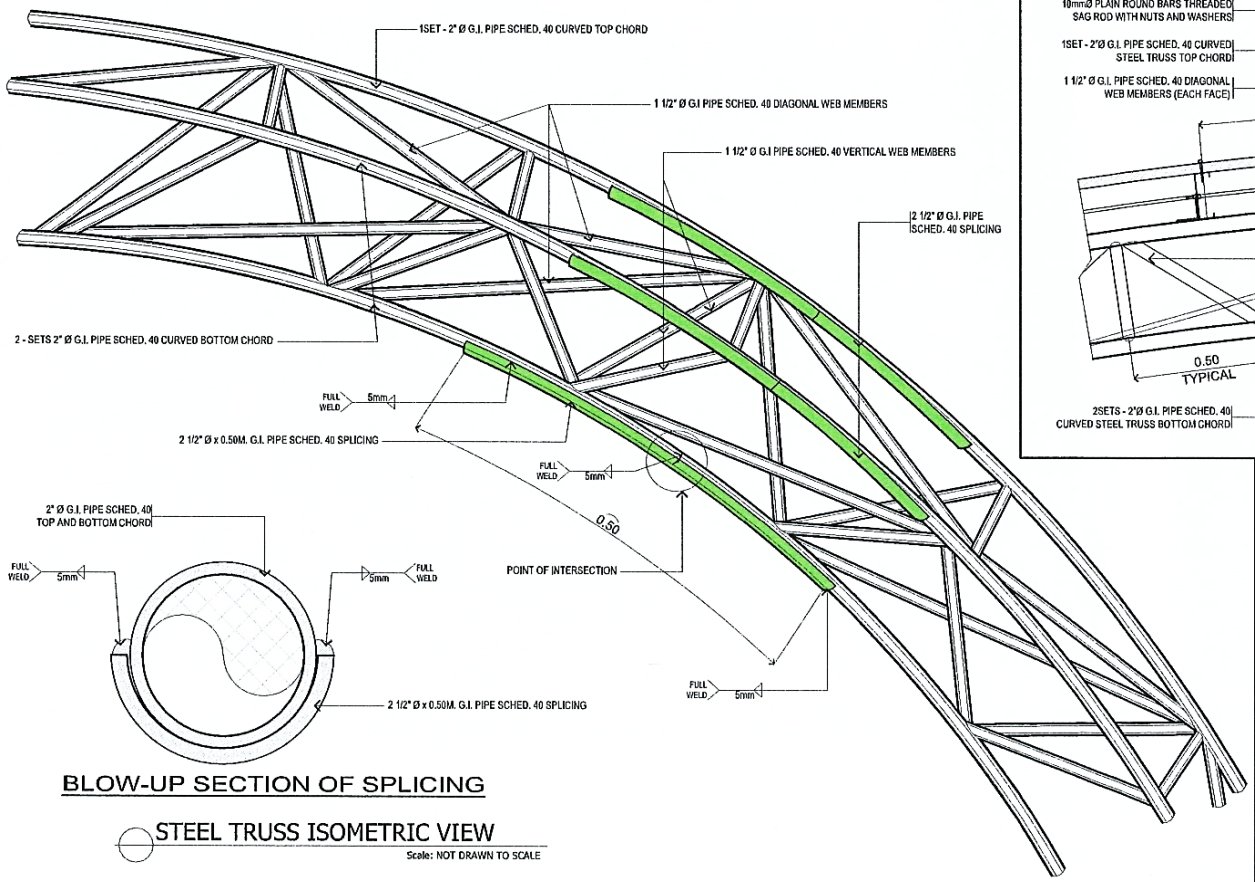
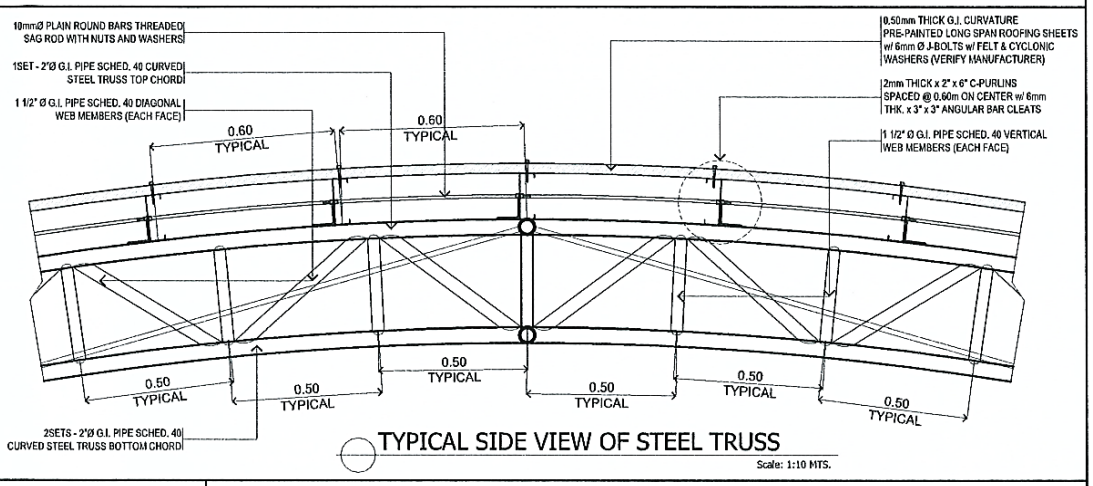


STEEL TRUSS ISOMETRIC VIEW

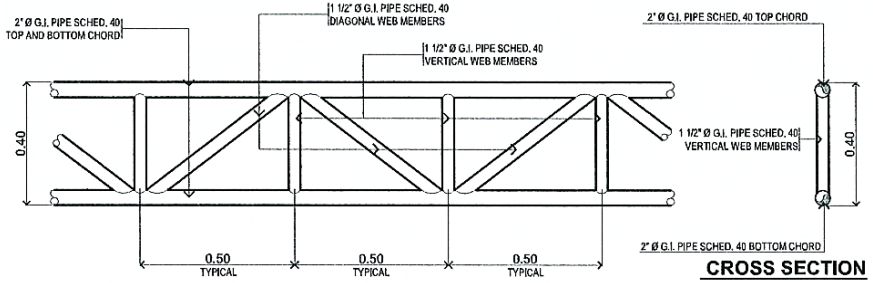
Scale: NOT DRAWN TO SCALE

BLOW-UP SECTION OF SPLICING



TYPICAL SIDE VIEW OF STEEL TRUSS

Scale: 1:10 MTS.



CROSS SECTION

LATERAL STEEL STRUT DETAIL

Scale: 1:10 MTS.

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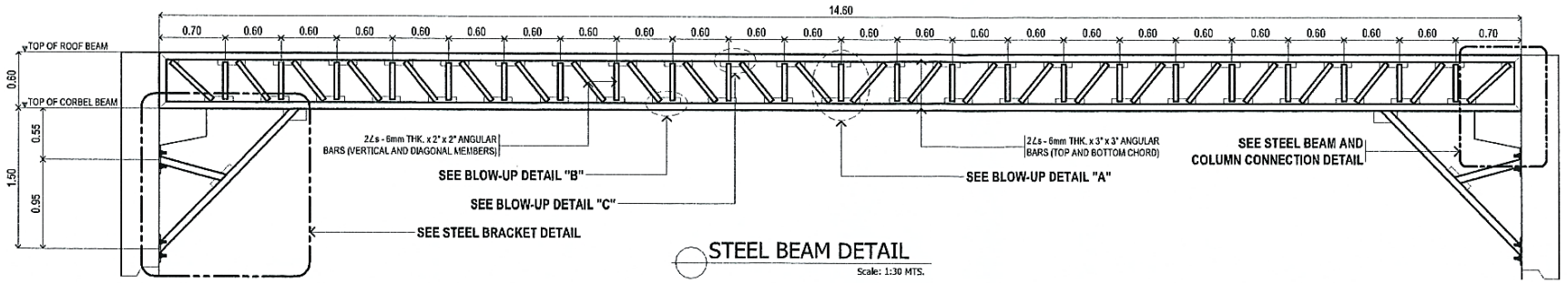
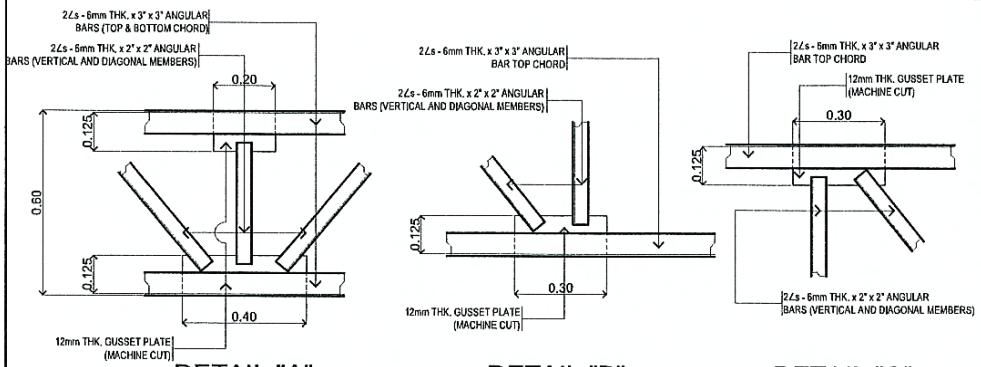


STEEL BEAM DETAIL
Scale: 1:30 MTS.



BLOW-UP DETAIL
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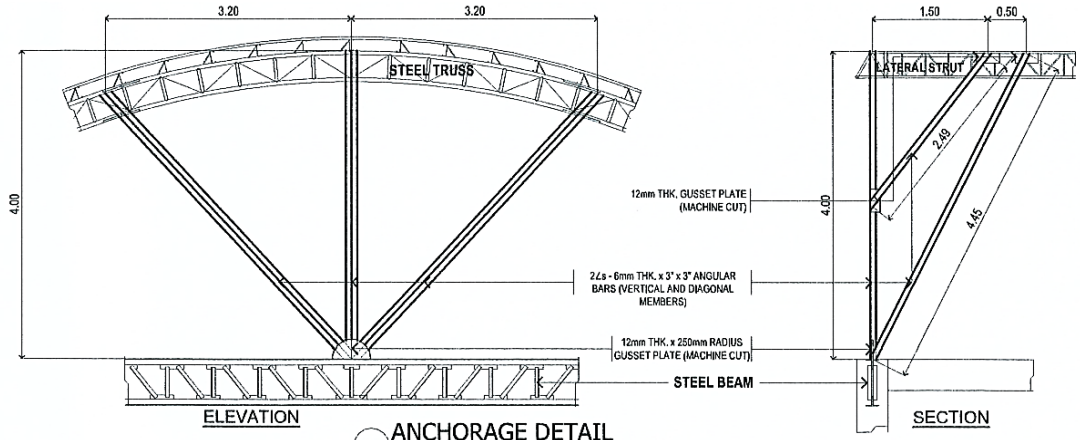

ANCHORAGE DETAIL
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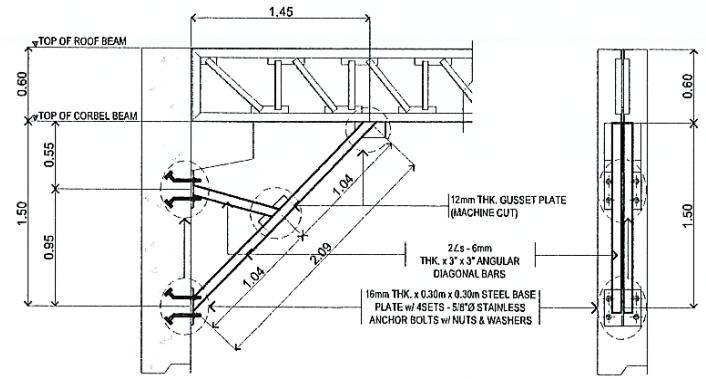

STEEL BRACKET DETAIL
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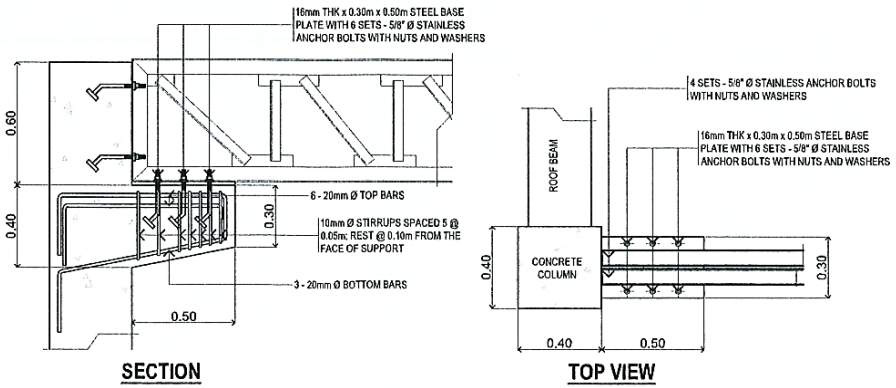

STEEL BEAM AND COLUMN CONNECTION DETAIL
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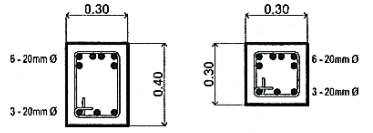

CORBEL SECTION DETAIL
Scale: 1:15 MTS.

2024 №439

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REPUBLIC OF THE PHILIPPINES PROVINCE OF ILOILO PROVINCIAL ENGINEERS OFFICE PLANNING, PROGRAMMING AND QUALITY CONTROL DIVISION 4TH FLOOR, NIPC, BONIFACIO DRIVE, ILOILO CITY	CONSTRUCTION OF MULTI-PURPOSE BUILDING/ GYMNASIUM OF ILOILO SCIENCE & TECHNOLOGY UNIVERSITY- MIAG-AO CAMPUS (ADOPTED FROM DPWH STANDARD PLAN) BRGY. IGTUBA, MIAG - AO, ILOILO	JEZA JOY B. LAMOSTE DRAFTSMAN II - JOSS	JOSE MELSUS RODNEY S. VELEZ ARCHITECT II - PEO	ERIK PAULO. NORDESTA ENGINEER III - OIC - PQC DIVISION, COI# 243-O, 5/2024	ROMEO C. ANDIG, MEE PROVINCIAL ENGINEER	RAUL N. BANIAS, MD, MPA PROVINCIAL ADMINISTRATOR	S - 5 8 - 12

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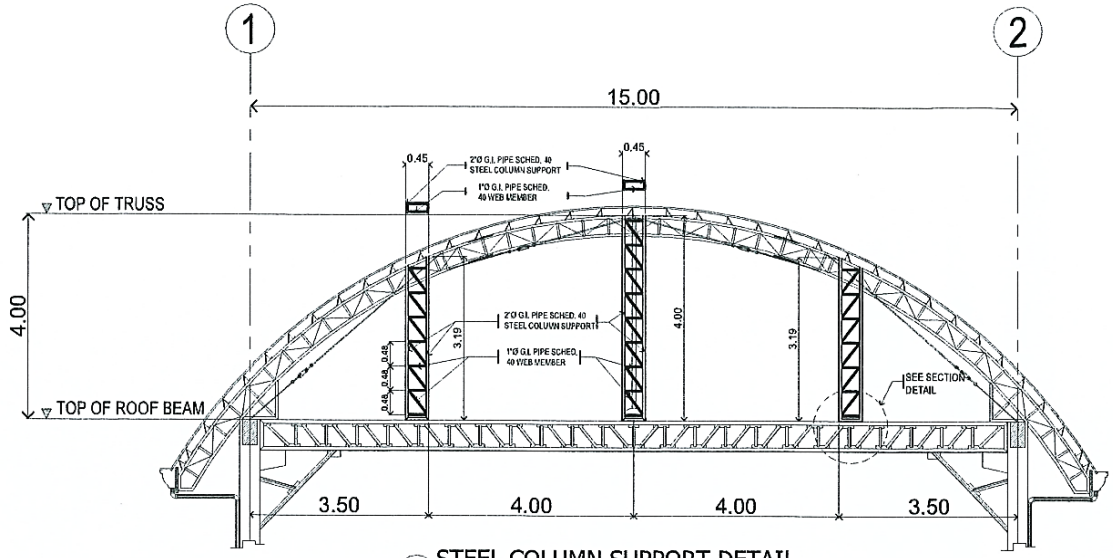
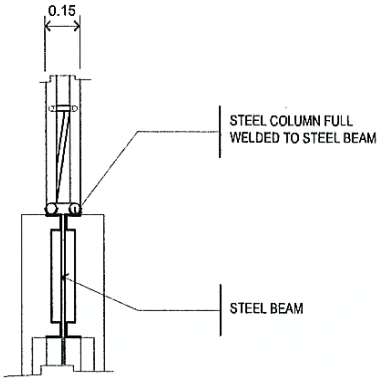
OFFICE OF THE BUILDING OFFICIAL

MUNICIPALITY OF CABATUAN

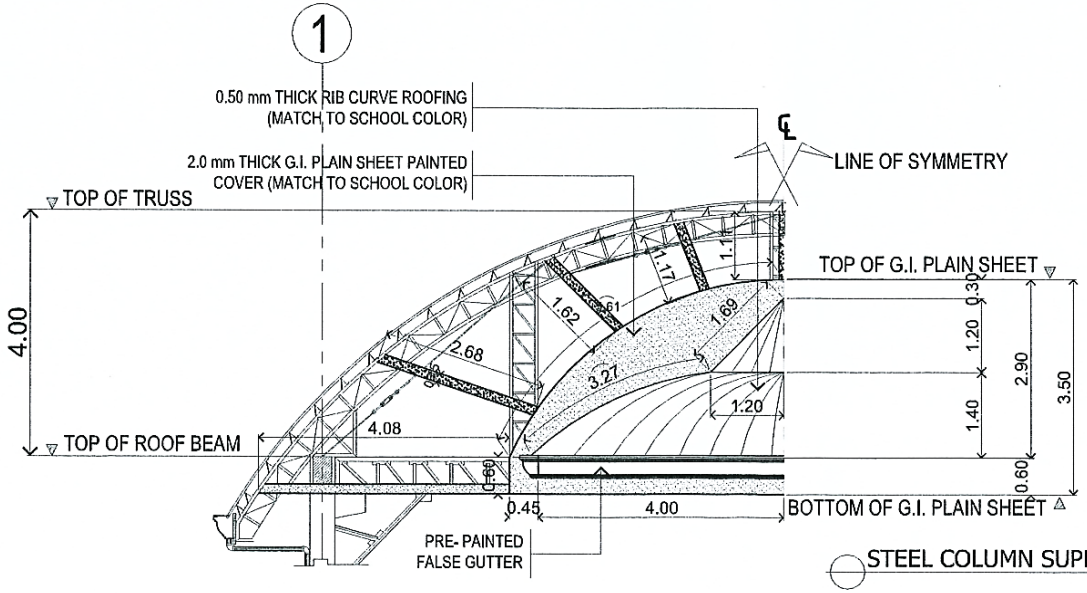
STRUCTURAL



STEEL COLUMN SUPPORT DETAIL
Scale: 1:60 MTS.



CONNECTION DETAIL
Scale: 1:15 MTS.



STEEL COLUMN SUPPORT DETAIL
Scale: 1:50 MTS.

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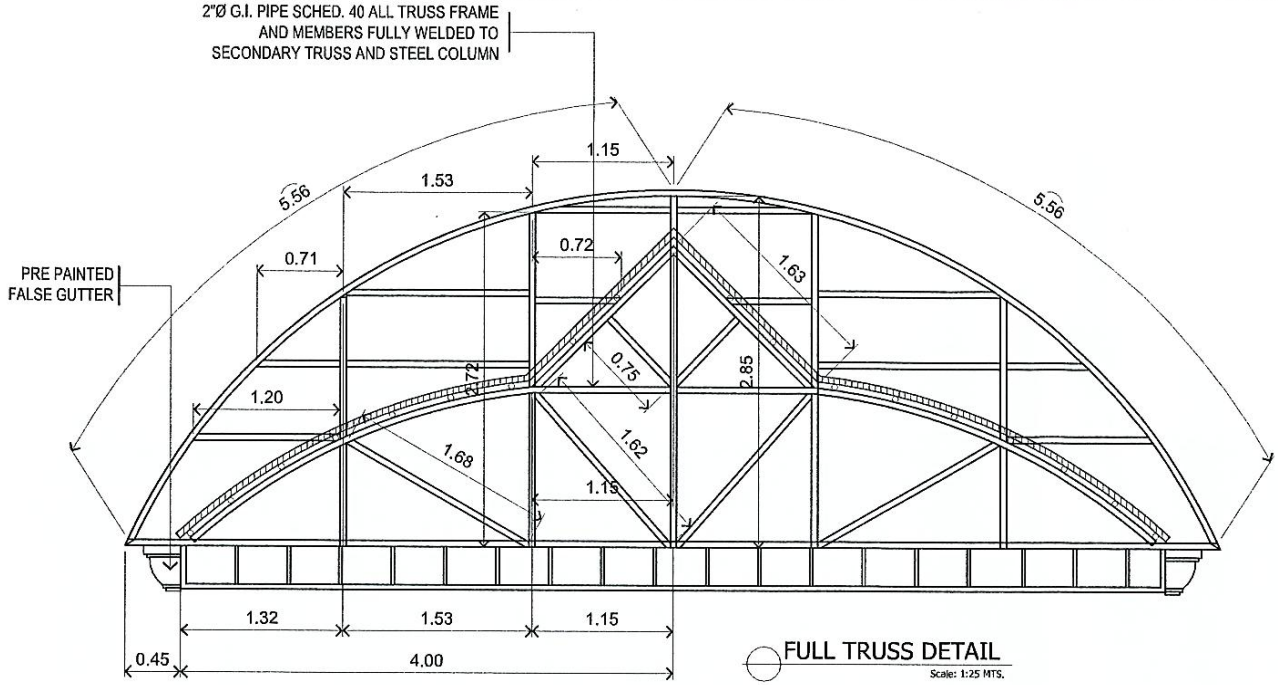
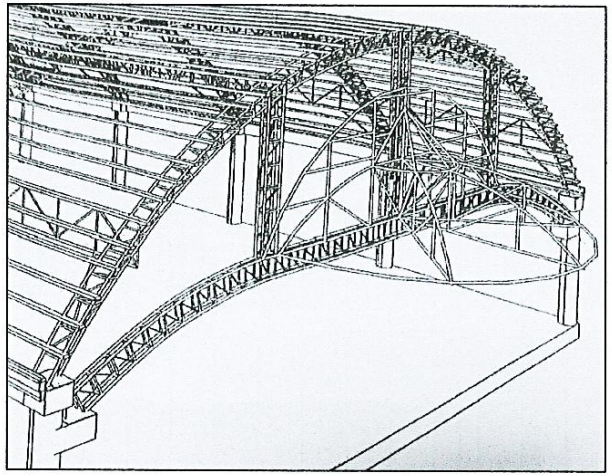
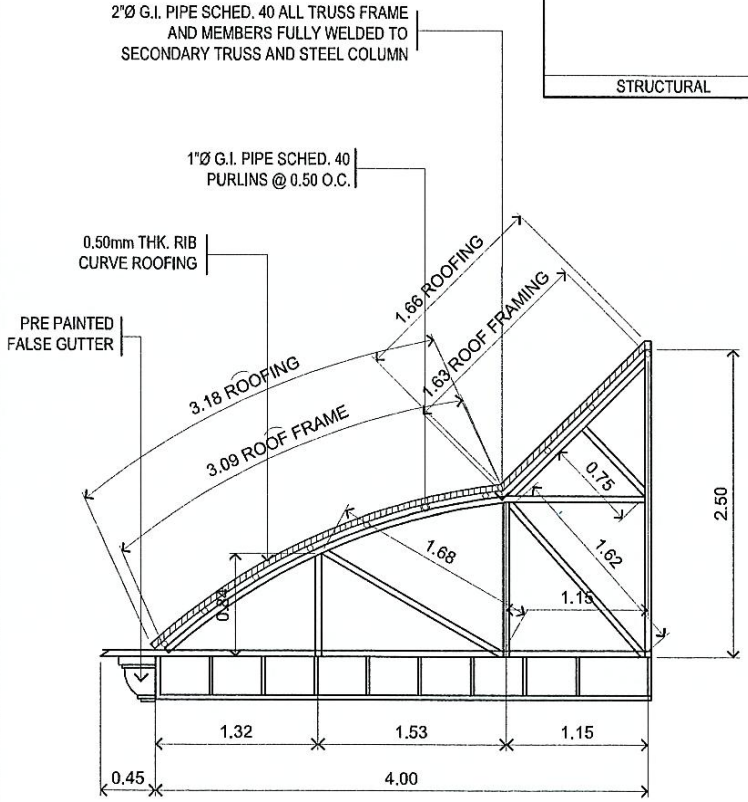


FULL TRUSS DETAIL
Scale: 1:25 MTS.



ISOMETRIC VIEW DETAIL
Scale: N.O.T.S.



HALF TRUSS DETAIL
Scale: 1:25 MTS.

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2024 · №439

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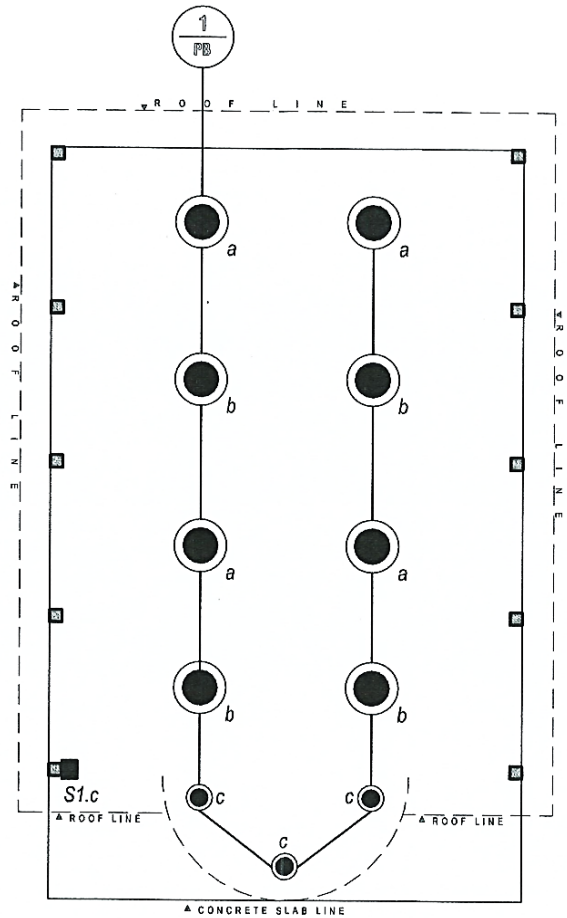
NOTE:
SWITCHING CONTROL AND DISTRIBUTION PANEL BOARD TO BE INSTALLED IN EXISTING SCHOOL BUILDING



LIGHTING LAY OUT
Scale: 1:100 MTS.

SPECIFICATIONS:

1. ALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE. IT SHALL COMPLY WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE OF THE LOCAL ELECTRICAL POWER COMPANY.
2. ALL MATERIALS, EQUIPMENT AND SUPPLIES SHALL BE BRAND NEW IN EXCELLENT QUALITY, FREE FROM DEFECTS AND OF PROVEN ACCEPTABILITY FOR THE PURPOSE INTENDED.
3. ELECTRIC SERVICE SHALL BE OVERHEAD, 230 VOLTS, 1PHASE, 60Hz.
4. PROVIDE ADEQUATE AND EFFECTIVE GROUNDING SYSTEM.
5. TYPES OF WIRING SHALL BE CONCEALED ON WALLS AND CEILING FOR LIGHTING & POWER LOADS, SWITCHES AND CONVENIENCE OUTLETS SHALL BE AT 1250MM& 450MM RESPECTIVELY ABOVE FINISHED FLOOR LINE.
6. ALL INSTALLATION WORKS HEREIN SHALL BE DULY SUPERVISE BY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.
7. ALL MATERIALS AND EQUIPMENT TO BE USED SHALL BE BRAND NEW AND APPROVED FOR THAT PURPOSE.
8. CONDUCTORS SHALL BE WIRED CONTINUOUSLY FROM OUTLET TO OUTLET AND NO SPLICES SHALL BE MADE EXCEPT IN PULL BOXES PROVIDED FOR THE PURPOSE.
9. THE MINIMUM SIZE OF CONDUCTOR SHALL BE 2.0 SQ.MM. FOR LIGHTING AND 3.5 SQ.MM. FOR THE POWER. HOMERUN CIRCUITS FOR LIGHTING IS 3.5 SQ.MM. THHN AND MINIMUM CIRCUIT FOR GROUNDING IS 2.0 SQ.MM. THHN,

GENERAL NOTES:

1. SERVICE ENTRANCE SHALL BE FED FROM EXISTING POWER SUPPLY.
2. SIZE OF BRANCH CIRCUITS SHALL BE AS INDICATED IN THE SCHEDULE OF LOADS.
3. MOUNTING HEIGHT FOR THE FOLLOWING SHALL BE:
   PANEL BOARD ..... 1800mm AFFL
   SWITCHES ..... 1250mm AFFL
   CONVENIENCE OUTLET ..... 450mm AFFL

LEGENDS:

- SERVICE ENTRANCE
- EARTH
- DISTRIBUTION PANEL BOARD
- CIRCUIT LINE
- CIRCUIT HOMERUN
- CIRCUIT BREAKER
- a — 100W HIGH BAY LED LIGHTING FIXTURE (LETTER DENOTES SWITCHING CONTROL)

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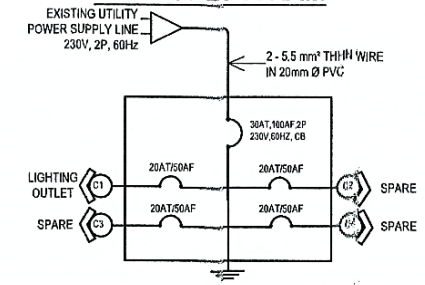
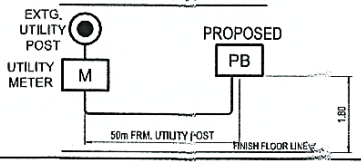
ALIMODIAN

ELECTRICAL

CIRCUIT DIAGRAM



RISER DIAGRAM



LOAD SCHEDULE

CKT No.	LOAD DESCRIPTIONS	VOLT (V)	POLE (P)	TRIP (AT)	FRAME (AF)	LOAD (VA)	AMPERE RATINGS AB	BC	CA	NUMBER and SIZES OF WIRES	CONDUIT
1	8 - 100W HIGHBAY 3-18W DOWNLIGHT LIGHTING FIXTURE	230	2	20	50	854	3.71			2 - 3.5mm²	20mmØ
2	SPARE	230	2	20	50						
3	SPARE	230	2	20	50						
4	SPARE	230	2	20	50						
	TOTAL	230	2	30	100	800	3.71			2 - 5.5mm²	20mmØ

DESIGN ANALYSIS

CKT 1
I=800VA/230V = 3.48 AMPERE
AMPACITY = 3.48 x 1.25 = 4.35 A
USE: 2-3.5 mm2 THHN WIRE
IN 20mmø CONDUIT

TOTAL CONNECTED LOAD:
VA TOTAL = 854VA
SERVICE ENTRANCE CONDUCTOR:
TOTAL FULL LOAD CURRENT (IFL)
IFL = 854/230 = 3.71 AMPERES

AMPACITY = IFL x 1.25
= 3.71 x 1.25 = 4.64 A
USE: 2 - 5.5 mm2 THHN
in 20mmø CONDUIT
USE: 30AT/100AF,230V,2P,60HZ

VD = (2*L*R*I)/1000
VD = (2*50*4.07*3.71/1000
VD = 1.51 V
%VD = (1.51/230)*100%
%VD=0.66 %

2024 №439

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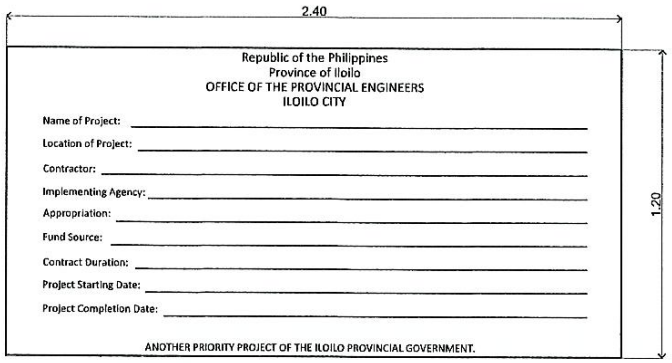
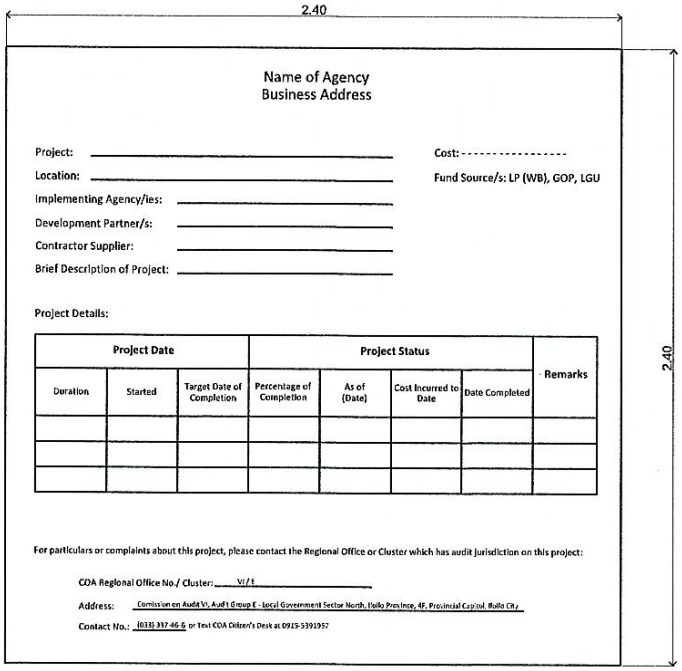


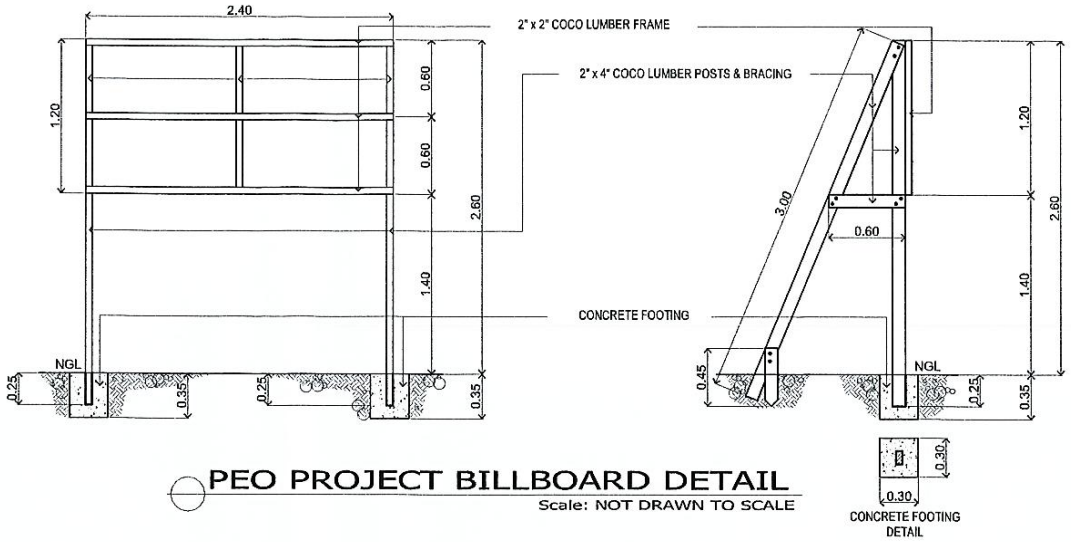
PEO PROJECT BILLBOARD DETAIL

Scale: NOT DRAWN TO SCALE



COA PROJECT BILLBOARD DETAIL

Scale: NOT DRAWN TO SCALE



PEO PROJECT BILLBOARD DETAIL

Scale: NOT DRAWN TO SCALE

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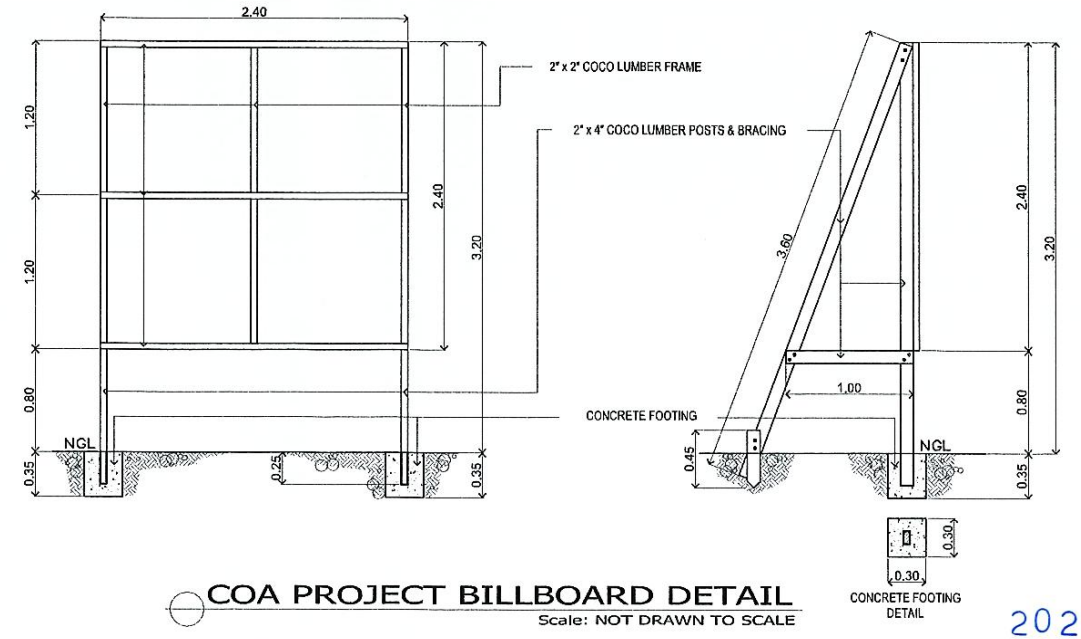
MUNICIPALITY OF CABATUAN

ARCHITECTURAL



COA PROJECT BILLBOARD DETAIL

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APPROVED BUDGET FOR THE CONTRACT

CONSTRUCTION OF MULTI-PURPOSE BUILDING/ GYMNASIUM OF ILOILO SCIENCE & TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS

Brgy. Igtuba, Miag-ao, Iloilo

ITEN NO.	DESCRIPTION	QTY.	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT (%)		TOTAL	MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6) 13.64%	(7) 10%	(B) 23.64%	(9) (5) x (8)	(10) (5) + (9) x (5%)	(11) (9)* (10)	(12) (5) + (11)	(13)
B.3	PERMITS AND CLEARANCES	1.00	l.s.									
B.5	PROJECT SIGN BOARD/ BILLBOARD	2.00	each									
I.	SITE WORKS	1.00	lot									
II.	STRUCTURAL CONCRETE	67.35	cu.m.									
III.	REINFORCING STEEL	7,200.99	kgs.									
IV.	FORMWORKS & FALSEWORKS	200.76	sq.m.									
V.	ROOF AND ROOF FRAMING WORKS	1.00	lot									
VI.	PAINTING WORKS	946.30	sq.m.									
VII.	PLUMBING WORKS	1.00	lot									
VIII.	ELECTRICAL WORKS	1.00	l0t									
GRAND TOTAL												

Submitted by:

Contractor/Bidder

Owner/Representative

Address

Date

PROVINCE OF ILOILO
OFFICE OF THE PROVINCIALENGINEER

INDIVIDUAL PROJECT PROGRAM

Name of Project : CONSTRUCTION OF MULTI-PURPOSE BUILDING/ GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS

Scheme of Work Permits and Clearances, Project Signboard/ Billboard, Siteworks, Structural Concrete, Reinforcing Steel, Formworks and Falseworks, Roof and Roof Framing Works, PaintingWorks, Plumbing Works, and Electrical Works

Location of Project : Brgy.Igtuba,Miag-ao, Iloilo

Appropriation: P 4,000,000.00

Appropriation Act:

Project No.-

Type of Work to be Constructed			% of TOTAL	Desirable startingdate:	
				No. of working days to complete:	
B.3	PERMITSAND CLEARANCES	P		Manpower/ Equipment Requirements	
B.5	PROJECT SIGNBOARD/ BILLBOARD	P		1	Construction Foreman
I.	SITE WORKS	P		3	Skilled/Unsk.illedLaborer
II.	STRUCTURAL CONCRETE	P		4	Backhoe
III.	REINFORCING STEEL	P		5	Plate Compactor
IV.	FORMWORKS & FALSEWORKS	P		6	One-Baimer Mixer
V.	ROOF ANDROOFFRAMING WORKS	P		7	Bar Cutter
VI.	PAINTINGWORKS	P		8	Bar8ender
VII.	PLUMBING WORKS	P		9	Mullitester
VIII	. ELECTRICAL WORKS	P		10	Concrete Vibrator
				11	Welding Machine
				12	Cutting Outfit
TOTAL		P			

SPEC's ITEM NO.	Description	Unit	Qty	Unit Cost	Amount
B.3	*PERMITS ANDCLEARANCES*	l.s.	1.00		P
B.5	*PROJECT SIGN BOARD I BILLBOARD*	each	2.00		P
I.	*SITE WORKS*	lot	1.00		P
II.	*STRUCTURAL CONCRETE*	cu.m.	67.35		P
III.	*REINFORCING STEEL*	kgs.	7,200.99		
IV.	*FORMWORKS &FALSEWORKS*	sq.m.	200.76		
V.	*ROOF ANDROOF FRAMING WORKS*	lot	1.00		
VI.	*PAINTING WORKS*	sq.m.	946.30		
VII.	*PLUMBING WORKS*	lot	1.00		
VIII.	*ELECTRICAL WORKS*	lot	1.00		

BREAKDOWN OFESTIMATEDEXPENDITURES		**% of TOTAL**	**Sub-TOTAL**	**P**
1. labor (Man-days)	P		**Total Direct**	
2. Materials	P		**Cost**	**P**
3. Rentals of Equipments/Fuel	P			
4. Fuels, Oils, and SpareParts	P		OCM	
5. Moo. & Demob.	P		Cont. Profit	
6. Admin Cost	P		Cont. Tax	
7. OCM	P		Eng'g(Supervision)	
8. Cont. Profit	P		Admin Cost	
9. Conl Tax	P		**Total Estimated Cost**	**P**
10. Engineering				
TOTAL	P -			

Submitted by:

Contractor/Bidder

Owner/Representative

Address

Date

PROJECT NAME : **CONSTRUCTION OF NULTI-PURPOSE BUILOING/ GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**

LOCATION **Brgy. Igtuba, Miag-ao, Iloilo**

SUMMARY					
ItemNo.	**Description**	**Labor**	**Equipment**	**Materials**	**Total**
B.3	***PERMITS AND CLEARANCES***				
B.5	***PROJECT* SIGN *BOARD / BILLBOARD***				
I.	**SITE WORKS**				
	A. Clearing & Grubbing				
	B. Layoul and Staking				
	C. Structure Excavation				
	D. Embankment from Structure Excavation				
	E. Embankment from Borrow				
	F. Gravel Bedding				
II.	**ATRUCTURAL CONCRETE**				
III.	***REINFORCING STEEL***				
IV.	***FORMWORKS & FALSEWORKS***				
V.	***ROOF AND ROOF FRAMING* WORKS**				
	A. Roof Framing Works				
	B. Roofing Works				
VI.	***PAINTItNG WORKS***				
VII.	***PLUMBING WORKS***				
VIII.	***ELECTRICAL WORKS***				
OVERALL TOTAL					

Submitted by:

Contractor/Bidder

Owner/Representative

Address

Date

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST

B.3 PERMITS AND CLEARANCES

Qty = 1.00 l.s.

Materials:

1. Zoning Fee

a) Locational Clearance Filing Fee		P
b) Zoning Certification		P

2. Fire Code Taxes/ Fees

a) Fire Codes Const. Tax (0.10% of Total Amount of Vertical Works)		P
b) Fire Safety Inspection Fee (15% of Zoning Fee)		P
c) Filing Fees for SEC		P
d) Other Fees		P
		P

TOTAL FOR ITEM B.3 **P**

B.5 PROJECT SIGN BOARD/ BILLBOARD

Qty = 2.00 each

Materials:

1.00	pc	4'x8' tarpaulin (Printed)	P	/pc	P
1.00	pc	8'x8' Tarpaulin (Printed)	P	/pc	P
3.00	sheet	1/4"x4'x8' Marine Plywood	P	/sheet	P
9.00	pcs	2"x4"x12' Coco Lumber	P	/pc	P
9.00	pcs	2"x 2"x10' Coco Lumber	P	/pc	P
2.00	kgs	Assorted Nails	P	/kg	P
2.00	bags	Portland Cement	P	/bag	P
0.50	m^3	Mixed Gravel	P	/m^3	P
					P

Labor:

1.00	Construction Foreman	P	/day for 1 day	P
1.00	Skilled Laborer	P	/day for 1 day	P
2.00	Unskilled Laborer	P	/day for 1 day	P
		P		P

TOTAL FOR ITEM B.5 **P**

I. SITE WORKS

Qty = 1.00 lot

A. Clearing & Grubbing

Qty = 1.00 lot

Labor:

1.00	Construction Foreman	P	/day for 1 day	P
6.00	Unskilled Laborer	P	/day for 1 day	P

Equiment Rental:

Minon Tools (10% of Labor Cost)	P
	P

Sub - Total for A ***P***

B. Layout and Staking

Qty = 117.60 ln.m.

Materials

33.00	pcs.	2"x3"x12' Coco Lumber	P	/pc.	P
17.00	pcs.	2"x2"x12' Coco Lumber	P	/pc.	P

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
	7.00	pcs.	Assorted Nails	P /kg	P
	7.00	pcs.	1/8"x20m Nylon String	P /roll	P
				Sub-total	P
Labor:					
	1	Construction Foreman		P /day for 1 day	P
	1	Skilled labor		P /day for 1 day	P
	2	Unskilled Labor		P /day for 1 day	P
				Sub-total	P
				Sub - Total for B	**P**
C. Structure Excavation					
		Qty	**=** **61.18** **cu.m.**		
Labor:					
	1.00	Construction Foreman		P /day for 6 days	P
	8.00	Unskilled Laborer		P /day for 6 days	P
					P
Equipment Rental					
		Minor Tools (10% of Labor Cost)			P
					P
				Sub - Total for C	**P**
D. Embankment from Structure Excavation					
		Qty	**=** **47.83** **cu.m.**		
Labor:					
	1.00	Construction Foreman		P /day for 2 days	P
	8.00	Unskilled Laborer		P /day for 2 days	P
					P
Equipment Rental:					
	1.00	Plate Compactor		P /day for 2 days	P
		Minor Tools (10% of Labor Cost)			P
					P
				Sub - Total for D	**P**
E. Embarkment from Borrow					
		Qty	**=** **153.15** **cu.m.**		
Materials					
	154.00	m^3	Filling Materials		
				P /m^3	P
					P
Labor:					
	1.00	Construction Foreman		P /day for 2 days	P
	3.00	Unskilled Labor		P /day for 2 days	P
					P
Equipment Rental					
	1.00	Pale Compactor		P /day for 2 days	P
	1.00	Backhoe		P /day for 2 days	P
		Minor Tools (10% of Labor Cost)			P
					P
				Sub - Total for E	**P**
F. Gravel Bedding					
		Qty	**=** **42.63** **cu.m.**		
Materials:					
	43.00	m^3	Screen Gravel	P /m^3	P
					P

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST

Labor:

1.00	Construction Foreman	P		/day for 5 days	P	
4.00	Unskilled Laborer	P		/day for 5 days	P	
					P	

Equipment Rental

1.00	Plate Compactor	P		/day for 3 days	P	

Sub - Total for F **P**

TOTAL FOR ITEM I **P**

II. STRUCTURAL CONCRETE

Qty = 67.35 cu.m.

Materials:

674.00	bags	Portland Cement (Type I)	P		/bag	P
34.00	m³	Washed Sand	P		/m³	P
68.00	m³	Screened Gravel	P		/m³	P
						P

Labor:

1.00	Construction Foreman	P		/day for 10 days	P	
4.00	Skilled Laborer	P		/day for 10 days	P	
10.00	Unskilled Laborer	P		/day for 10 days	P	
					P	

Equipment Rental

1.00	One Bagger Mixer	P	1,376.00	/day for 10 days	P	
1.00	Concrete Vibrator	P	730.00	/day for 10 days	P	
					P	

TOTAL FOR ITEM II **P**

III. REINFORCEMENT STEEL

Qty = 7,200.99 kgs.

Materials.

142.00	pcs.	20mmØx6m Deformed RSB, Grade 40	P		/pc	P
213.00	pcs.	16mmØx6m Deformed RSB, Grade 40	P		/pc	P
16.00	pcs.	12mmØx6m Deformed RSB, Grade 40	P		/pc	P
810.00	pcs.	10mmØx6m Deformed RSB, Grade 40	P		/pc	P
98.00	kgs.	#16 G.I. Tie Wire	P		/pc	P
						P

Labor:

1.00	Construction Foreman	P		/day for 9 days	P	
3.00	Skilled Laborer	P		/day for 9 days	P	
12.00	Unskilled Laborer	P		/day for 9 days	P	
					P	

Equipment Rental:

1.00	Bar Bender	P		/day for 5 days	P	
1.00	Bar Cutter	P		/day for 5 days		
	Minor Tools	P			P	
					P	

TOTAL ITEM FOR III P

IV. FORMWORKS & FALSEWORKS

Qty = 200.76 kgs.

Materials:

35.00	sheets	1/4"x4"x8' Ordinary Plywood	P		/sheets	P

ITEM	QTY	UNIT	DESCRIPTION		UNIT COST	TOTAL COST
	92.00	pcs.	2"x3"x12' Coco Lumber	P	/pc	P
	50.00	pcs.	2"x2"x12' Coco Lumber	P	/pc	P
	1.00	lot	Consumables (bamboo poles, tie wires, CWN, etc.)	P	/lot	P
						P
	Labor:					
	Installation:					
	1.00		Construction Foreman	P	/day for 4 days	P
	2.00		Skilled Laborer	P	/day for 4 days	P
	4.00		Unskilled Laborer	P	/day for 4 days	P
	Stripping:					
	1.00		Construction Foreman	P	/day for 2 days	P
	6.00		Unskilled Laborer	P	/day for 2 days	P
						P
	Rental Equipment:					
			Minor Tools (10% of Total Labor Costs)			P
						P
					TOTAL ITEM FOR IV	P
V.	**ROOF AND ROOF FRAMING WORKS**					
		Qty	**=**	**1.00**	**lot**	
	A. Roof Framing Works					
		Qty	**=**	**502.24**	**sq.m.**	
	Materials					
	5.00	pcs.	2 1/2" Ø x 6m G.I Pipe Schedule 40	P	/pc.	P
	106.00	pcs.	2" Ø x 6m G.I. Pipe Schedule 40	P	/pc.	P
	134.00	pcs.	1 1/2" Ø G.I. Pipe schedule 40	P	/pc.	P
	36.00	pcs.	1" Ø x G.I. Pipe Schedule 40	P	/pc.	P
	51.00	pcs.	3" x 3" x 6mm th.x 6mm Angle Bar	P	/pc.	P
	25.00	pcs.	2" x 2" x 6mm thk. X 6m Angle Bar	P	/pc.	P
	16.00	pcs.	1 1/2" x 1 1/2" x 6mm thk. 6m Angle Bar	P	/pc.	P
	16.00	pcs.	1" x 1" x 6mm thk. 6m Angle Bar	P	/pc.	P
	143.00	pcs.	2" x 6" x 2mm thk. X 6m C - Purlins	P	/pc.	P
	19.00	pcs.	2.00mm thk. 2" x 6" x 6m Rectangular Tube	P	/pc.	P
	6.00	pcs.	20mm Ø 6m Deformed RSB, Grade 40	P	/pc.	P
	34.00	pcs.	16mm Ø Plain RSB	P	/pc.	P
	2.00	pcs.	12mm Ø Plain RSB	P	/pc.	P
	16.00	pcs.	10mm Ø Plain RSB	P	/pc.	P
	2.00	sheets	16mm thk. Steel Plate	P	/sheet	P
	2.00	sheets	12mm thk. Steel Plate	P	/sheet	P
	112.00	pcs.	5/8" Stainless Anchor Bolts w/ Nuts & Washers	P	/pcs.	P
	32.00	pcs.	16mm Ø Standard Turnbuckles	P	/pcs.	P
	17.00	boxes	Welding Rod	P	/box	P
	1.00	lot	Consumables - 5% of Material Cost (Acetylene, Oxygen), Grinding Disc, sanding paper etc.	P	/lot	P
						P
	Labor:					
	Fabrication					
	1.00		Construction Foreman	P	/ day for 26 days	P
	4.00		Skilled Laborer	P	/ day for 26 days	P
	8.00		Unskilled Laborer	P	/ day for 26 days	P
	Erection					
	3.00		Skilled Laborer	P	/ day for 13 days	P
	3.00		Unskilled Laborer	P	/ day for 13 days	P
						P

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST

Equipment Rental

1.00	Welding Machine	P	/day for 20 days	P
1.00	Cutting Outfit	P	/day for 6 days	P
	Minor Tools			P
				P
			Total for A	**P**

B. Roofing Works

Qty = 502.24 sq.m.

Materials

503.00	ln.m.	0.50mm thk. G.I. Curvature Pre-painted Long Span Roofing	P	/ln.m.	P
21.00	pcs.	0.50mm thk. Pre-painted G.I. End Flashing	P	/pc.	P
22.00	pcs.	0.50mm thk. Pre-painted G.I. Pre-painted Gutter	P	/pc.	P
6.00	pcs.	0.50mm thk. Pre-painted False Gutter	P	/pc.	P
1.00	sheet	0.50mm Plain G.I. Sheet 3' x 8'	P	/sheet	P
12.00	sheet	2.0mm x 4' x 8' Plain G.I sheet	P	/sheet	P
5,030.00	pcs.	6mm Ø J-Bolt w/ Felt & Cyclonic Washers	P	/pc.	P
					P

Labor:

1.00	Construction Foreman	P	/day for 11 days	P
2.00	Skilled Laborer	P	/day for 11 days	P
5.00	Unskilled Laborer	P	/day for 11 days	P
				P

Equipment Rental:

Minor Tools		P
		P
	Total for B	**P**
	TOTAL ITEM for V	**P**

VI. PAINTING WORKS

Qty	=	155.20	sq.m.	*Concrete Surfaces*
	=	791.10	sq.m.	*Metal Surfaces*
		946.30	**sq.m.**	

Materials:

8.00	gals.	Concrete Neutralizer	P	/gal.	P
7.00	gals.	Concrete Primer/Sealer	P	/gal.	P
12.00	gals.	Semi-Gloss Latex	P	/gal.	P
32.00	gals.	Red Oxide Primer (Epoxy)	P	/gal.	P
50.00	gals.	Enamel Paint	P	/gal.	P
1.00	lot	Consumables (paint brushes, steel brushes, rags, newspaper, paint thinner, etc.)	P	/lot	P
					P

Labor:

1.00	Construction Foreman	P	/day for 11 days	P
2.00	Skilled Labor	P	/day for 11 days	P
4.00	Unskilled Labor	P	/day for 11 days	P
				P

Equipment Rental:

Minor Tools		P
		P
	TOTAL ITEM for VI	**P**

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST

VII. PLUMBING WORKS

Qty = 1.00 lot

Materials:

21.00	pcs.	4" Ø PVC Sanitary Pipe S1000	P	/pc.	P
30.00	pcs.	4" Ø PVC Sanitary Elbow 90º	P	/pc.	P
10.00	pcs.	4" Stainless Gutter Done Strainer	P	/pc.	P
1.00	lot	Consumables (teflon tape, coupling, etc.)	P	/pc.	P
					P

Labor:

1.00	Construction Foreman	P	/day for 3 days	P
1.00	Skilled Labor	P	/day for 3 days	P
2.00	Unskilled Labor	P	/day for 3 days	P
				P

Equipment Rental:

Minor Tools		P
		P

TOTAL ITEM for VII P

VIII. ELECTRICAL WORKS

Qty = 1.00 lot

Materials:

A. Panel Board

1.00	unit	Main:30AT/100AF 2P 250Vac, 10 (10KAIC)	P	/unit	P
		Branches:			
1.00	pc.	20AT/50AF, 2P MCB, 250Vac, 10KIC, Bolt-On	P	/pc	P
1.00	unit	4 Holes for 1Ø main in NEMA1 Enclosure Wall Surface Mounted 20KA Bus Bracing	P	/unit	P
				Total of A	P

B. Lightning Fixtures

8.00	pcs.	100W LED, Highbay Lightning	P	/pc.	P
3.00	pcs.	18W LED Downlight	P	/pc.	P
				Total for B	P

C. Wires & Cables

60.00	pcs.	5.5 mm² THW/THWN cooper win	P	/meter	P
1.00	pcs.	3.5 mm² THW/THWN cooper win	P	/roll	P
				Total for C	P

D. Condults & Fittings

1.00	set	Weatherhand Entrance Cap 20Ø	P	/set	P
10.00	lengths	20mmØ Electrical PVC pipr	P	/lengths	P
1.00	roll	20mmØ Flexible Conduit	P	/roll	P
				Total of D	P

E. Wiring Devices

1.00	sets	Two Gang Switch White Modern Series 16A	P	/set	P
1.00	sets	One Gang Switch White Modern Series 16 A	P	/set	P
				Total of E	P

F. Boxes & Pull Boxes with Cover

3.00	pcs.	PVC utility box	P	/pc	P
1.00	pcs.	PVC Junction Box	P	/pc	P
11.00	pcs.	Octagonal Box	P	/pc	P
				Total for F	P

G. Miscellaneous & Consumables

1.00	lot	PVC electrical tape, rubber tapes, PVC elbow, PVC tees, tie wires, solvent cement, expansion bolts adaptors & locknuts, solderless connector and etc.	P	*Total of G*	P
				Material Cost	P

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
	Labor:				
	1.00	Construction Foreman	P	/day for 6 days	P
	1.00	Skilled Laborer	P	/day for 6 days	P
	2.00	Unskilled Laborer	P	/day for 6 days	P
				Labor Cost	P
	Equipment Rental				
	1.00	Multitester	P	/day for 1 day	P
				Equipment Cost	**P**
				Total Material Cost	P
				Total Labor	P
				Total Equipment	P
				TOTAL ITEM for VIII	**P**
				TOTAL AMOUNT	**P**

Submitted by:

Contractor/Bidder

Owner/Representative

Address

Date

Section IX. Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
or

☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
and

☐ (c) Mayor's or Business Permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and

☐ (d) Tax Clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

☐ (e) 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**

☐ (f) 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**

☐ (g) 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**

☐ (h) 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**

(i) 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**

☐ (j) 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

☐ (k) 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 forms the date of bid submission; **and**

☐ (l) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

☐ (m) 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

☐ (n) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

☐ (o) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (p) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; **and**

☐ (q) Cash Flow by Quarter.

Other documents under technical specifications

1. Construction Schedule and S-curve
2. Manpower Utilization Schedule
3. Construction Method
4. Equipment Utilization Schedule
5. Affidavit of Site Inspection
6. Construction Safety and Health Program
7. PERT/CPM or other acceptable tools of project scheduling for infrastructure projects

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

List of all Ongoing Government and Private Cosntruction Contracts including contracts awarded but not yet started

Business Name: _____
Business Address: _____

Name of Contract/ Location Project Cost	a. Owner's Name b.Address c.Telephone Nos.	Nature of Work	Contractor's Role		a.Date Awarded: b.Date Started: c.Date of Completion:	% of Accomplishment		Value of Outstanding Works
			Description	%		Planned	Actual	
Government:								
Private:								
						Total Cost		

Note: this statement shall be supported with:
1. Notice of Award and/or Contract
2. Notice to proceed issued by the Owner
3. Certificate of Accomplishments signed by the Owner or Project Engineer

Submitted by: _____
(Printed Name and signature)
Designation: _____
Date: _____

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Maigao, Iloilo

BIDS AND AWARDS COMMITTEE

Statement of all Completed Government & Private Construction Contracts which are similar in nature

Contract Reference Number: _____
Business Name: _____
Business Address: _____

Name of Contract/Location Project Cost	a. Owner's Name b.Address c.Telephone Nos.	Nature of Work	Contractor's Role		a.Amount of Award b.Amount of Completion c.Duration	a.Date Awarded: b.Contract Effectivity c.Date Completed
			Description	%		
Government:						
Private:						

Note: this statement shall be supported with:

1. Contract
2. CPES rating sheets and/or Certificate of Completion
3. Certificate of Acceptance

Submitted by: _____
(Printed Name and signature)
Designation: _____
Date: _____

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Maigao, Iloilo

BIDS AND AWARDS COMMITTEE

Statement identifying the bidder's Sinlge Largest Completed Contract (SLCC) similar to the Contract to be Bid within the last five (5) years

Business Name: _____
Business Address: _____

Name of Contract	a. Owner's Name b.Address c.Telephone Nos.	Nature of Work	Contractor's Role		a.Amount of Award b.Amount of Completion c.Duration	a.Date Awarded: b.Contract Effectivity c.Date Completed
			Description	%		
Government:						
Private:						

Note: this statement shall be supported with:

1. Contract
2. CPES rating sheets and/or Certificate of Completion
3. Certificate of Acceptance

Submitted by: _____
(Printed Name and signature)
Designation: _____
Date: _____

Bid Securing Declaration Form

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

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

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

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

    a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
    b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
    c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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

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

[Jurat]

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

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-22**
Name of the contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the Contract: **ISATU - Miagao Campus, Miagao, Iloilo**

Contractor's Organizational Chart for the Contract

Submit copy of the Organizational Chart that the contractor intends to use to execute the Contract if awarded to him. Indicate in the chart the names of the Project Manager, Project Engineers, Materials Engineer and Foreman, and other key Engineering Personnel.

Attached the required Organizational Chart for the Contract as stated above.

1 This organizational chart should represent the Contractor's Organization "required for the Project, and not the organizational chart of the entire firm.
2 The Bidders shall comply with the submitted sample form SF-INFR-46 for each of such key personnel.
3 Each such nominated engineer/key personnel shall comply with and submit sample forms SF-INFR-47 and SF-INFR-48.
4 All these are required to be in the Technical Envelope of the Bidder.

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Statement of Availability of Personnel and Equipment

_____
Date

DR. RAMON N. EMMANUEL, JR.
Campus Administrator
ISAT U - Miagao Campus, Miagao, Iloilo

Attention: **The Chairperson**
Bids and Awards Committee

Dear Sir/Madame:

In compliance with the requirements of the Iloilo Science and Technology University - Miagao Campus BAC for the bidding for the **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**, we certify that has in its employ key personnel, such as Project Manager, Project Engineers, Materials Engineer and Foreman, who maybe enaged for the execution of the said contract.

Further, we likewise certify the availability of equipment that _____(name of bidder)_____ own has under lease, and/or has under purchase agreements, that may be used for the construction contracts.

Very truly yours,

_____
Name Representative of Bidder

_____
Position

_____
Name of the Bidder

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-22**
Name of the Contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/ GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the Contract: **ISAT U - Miagao Campus, Miagao, Iloilo**

Qualification of Key Personnel Proposed to be Assigned to the contract

Business Name :
Business Address :

	Project Manager/Engineer	Materials Engineer	Foreman	Construction Safety and Health Personnel	Other positions deemed required by the applicant for this project
1 Name					
2 Address					
3 Date of Birth					
4 Employed since					
5 Experience					
6 Previous Employment					
7 Education					
8 PRC License					

Minimum Requirements : Project Manager / Engineer
: Materials Engineer
: Construction Safety & Health Officer
: Foreman
:

Note: : Attached individual resume and PRC License of the (professional) personnel.

Submitted by :
Printed Name & Signature
Designation :
Date :

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAGAO CAMPUS
Miagao, Iloilo
BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-22**
Name of Contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the Contract: **ISAT U - Miagao Campus**

KEY PERSONNEL
(FORMAT OF BIO- DATA)

Give the detailed information of the following personnel who are scheduled to be assigned as full-time field staff for the project:

- Authorized Managing Officer / Representative
- Sustained Technical Employee

1 Name : _____
2 Date of Birth : _____
3 Nationality : _____
4 Education and Degrees : _____
5 Specialty
6 Registration
7 Length of Service with the Firm : _____ Year from _____(months) _____ year
to _____(months) _____ year
8 Years of Experience : _____
9 If Item 7 is less than ten (10) years, give name and length of service with previous employers for a ten (10) years period (attached additional sheet/s, if necessary:

Name and Address of Employer	Length of Service			
_____	_____ years(s)	from	_____	to _____
_____	_____ years(s)	from	_____	to _____

10 Experience
This should cover the past ten (10) years of experience. (Attached as many pages as necessary to show involvement of personnel in projects using the format below)

1 Name : _____
2 Name and Address of Owner : _____
3 Name and Address of the Owner's Engineer (consultant) : _____
4 Indicate the Features of Project (Particulars of the project components and any other particulars interest connected with the project) _____
5 Contract Amount Expressed in Philippine Currency : _____
6 Position : _____
7 Structures for which the Employee was responsible _____
8 Assignment Period : from _____ (Months) _____ (years)
to _____ (Months) _____ (years)

Name and signature of employee

It is hereby certified that the above personnel can be assigned to this project, if the contract is awarded to our company.

_____ _____
(Place and Date) (The Authorized Representative)

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARD COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-22**
Name of Contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the contract: **ISAT U - Miagao Campus, Miagao, Iloilo**

List of Equipment, Owned or Leased and/or under Purchase Agreements, Pledged to the proposed Project

Business Name: _____
Business Address: _____

signation	Model/year	Capacity/Performance/Size	Plate No.	Motor No./ Body No.	Location	Condition	Proof of Ownership
A. Owned							
i							
ii							
iii							
iv							
v							
B. Leased							
i							
ii							
iii							
iv							
v							
C. Under the Purchase Agreement							
i							
ii							
iii							
iv							
v							

List of minimum equipment required for the project:

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

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-2**
Project: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the Contract: **ISAT U - Miagao Campus, Maigao, Iloilo**
Subject: Financial Document for Eligibility Check

A. The values of the bidder's current assets and current liabilities shall be based on the data submitted to the BIR, through its Electronic Filling and Payment System (EFPS).

B. The computation of the prospective biddr's NFCC must be at least equal to the ABC the project to be bid calculated as follows:

		Year 20___
1	Total Assets	
2	Current Assets	
3	Total Liabilities	
4	Current Liabilities	
5	Net Worth (1 - 3)	
6	Net Working Capital (2 - 4)	

B. The Net Financing Contracting Capacity (NFCC) based on the above data is computed as follows:
NFCC = [(current Asset minus current liabilities)(15)] minus value of all outstanding or uncompleted portion of the projects undergoing contracts including awarded contracts yet to be started coinciding with the contract to be bid.
NFCC = P _____
K = 15 for a contract duration of one year or less, 15 for more than one year up to two years and 20 for more than two years.
or
Commitment from a licensed bank to extend to it a credit line if awarded the contract in the amount of at least 10% of the proposed project to be bid.

Name of Bank:_____ Amount:_____

Herewith attached are certified true copies of the financial statements based on the data submitted to the BIR, through its Electronicfilling and Payment System. (EFPS) for the immediately preceding year and the certificate of commitment from a licensed bank to extend a credit line.

Submitted by:

_____
Name of Firm/Contractor

_____
Signature of Authorized Representative
Date:_____

NOTE:

1. If partnership or joint venture, each Partner or Member of firm of Joint Venture shall submit the above requirements.

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

JOINT VENTURE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

That this JOINT VENTURE AGREEMENT is entered into By and Between _____ of legal age, _____, owner/proprietor of _____ and a resident of
(Civil Status)
_____.

- and -

_____ ,of legal age, _____, owner/proprietor of
(Status)
_____ a resident of _____.

THAT both parties agree to join together their manpower, equipment, and what is need to facilitate the Joint Venture to participate in the Eligibility, Bidding and Undertaking of the here-under stated project to be conducted by the Iloilo Science and Technology University - Miagao Campus.

NAME OF PROJECT	CONTRACT AMOUNT

That both parties agree to be jointly and severally liable for the entire assignment.

That both parties agree that_____ and/or _____ shall be the Official Represenatative of the Joint Venture, and is granted full power and authority to do, execute and perfom any and all acts necessary and/or to represent the Joint Venture in the bidding as fully and effectively and the Joint Venture may do and if personally present with full power of substitution and revocation.

THAT this Joint Venture Agreement shall remain in effect only for the above stated Projects unit terminated by both parties.

Done this _____day of _____, in the year of our Lord.

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

AUTHORITY OF SIGNATORY
SPECIAL POWER OF ATTORNEY

I, _____ , President of _____ a corporation incorporated under the laws of _____ with its registered Office _____, by virtue of Board Resolution No. _____ dated and lawful _____ has made, constituted and appointed _____ true attorney, for its and its name, place and stead, to do, execute and perform any and all acts necessary and/or represent _____ in the bidding of _____ _____ as fully and effectively as corporation might do if personally present with full power of subsitution and revocation and hereby confirming all that said representative shall lawfully do or cause to be done by virtue hereof.

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

Signed in the Presence of:

_____ _____

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)
QUEZON CITY) SS.
BEFORE ME, a Notary Public for and in Quezon City, Philippines, this _____ day of _____, 20_____, personally appeared:

NAME	CTC NO.	ISSUED AT/ON
_____	_____	_____
_____	_____	_____

known to me and know to be the same person who executed the foregoing instrument consisting of _____ ( ) pages, including the page whereon theacknowledgements is written and acknowledged before me that the same is his free and voluntary act and deed and that of the corporation he represents.

WITNESS MY HAND AND NOTARIAL SEAL, at the place and on the date first above written.

Notary Public:
Until 31 December 20_____
PTR No. _____
Issued at _____
Issued On _____
TIN

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Maigao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

AUTHORITY OF SIGNATORY
SECRETARY'S CERTIFICATE

(For Corporation)

I,_____ a duly elected and qualified Corporate Secretary of_____
(name of representative) (name of the company)
a corporation duly organized and existing under and by virtue of the law of the _____,
DO HEREBY, that:

I am familiar with the facts herein certified and duly authorized to certify the same:

At the regular meeting of the Board of Directors of the said Corporation duly convened and held on _____ _____ at which meeting a quorum was present and acting throughout, the following resolutions were approved and the same have not been annulled, revoked and ammended in any way whatever and are in full force and effect on the date hereof:

RESOLVED, that _____ be, as it hereby _____
(Name of the Company)
authorized to participate in the bidding of the project:

_____
by the Iloilo Science and Technology University - Miagao Campus; and that if awarded the Contract shall enter into a contract with the Iloilo Science and Technology University - Miagao Campus; and in connection therewith hereby appoints _____ acting as duly authorized and designated representative
(name of the authorized representative)
of _____ are effectively as the _____
(Name of the company) (Name of the company)
might do if personally present with full power of substitution and revocation and hereby satisfying and confirming all that my said representative shall lawfully do or cause to be done by virtue thereof;

RESOLVED FURTHER THAT, the _____hereby authorizes its President to:
(1) execute a waiver of jurisdiction whereby the _____ hereby submits
(Name of the Bidder/Company)
itself to the jurisdiction of the Philippine Government and hereby waives its right to question the jurisdiction of the Philippine Courts; (2) execute a waiver that the _____ shall not
(Name of the Bidder/Company)
seek and obtain writ of injunctions or prohibition or restraining order against the AFP or any other agency in connection with this Contract to prevent and restrain the bidding procedures related thereto, the negotiating of and award of a contract to a successful bidder; and the carrying out of the awarded contract.

WITNESS the signature of the undersigned as such officer of the said _____ _____ this day of _____, 20____.

_____
CORPORATE SECRETARY

ACKNOWLEDGEMENT

SUBSRIBED AND SWORN to before me this _____ day of _____, 20_____ affiant exhibited to me his/her Community Tax Certificate No. _____ issued on _____ at _____, Philippines.

WITNESS MY HAND AND NOTARIAL SEAL, at the place and on the date first above written.

Notary Public:

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-22**
Name of the Contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the contrct: **ISAT U - Miagao Campus, Miagao, Iloilo**

CONSTRUCTION SCHEDULE AND S-CURVE

		1				2				3				4				5				6				7				8				9				10				11				12			
Item No.	Description	Month				Month				Month				Month				Month				Month				Month				Month				Month				Month				Month				Month			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Submitted by:

_____
Name of the Representative of the Bidder

Date: _____

_____
Position

_____
Name of the Bidder

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference No.: **ISAT U MC-INFRA-2025-09-22**
Name of the Project: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of Contract: **ISAT U - Miagao Campus, Miagao, Iloilo**

MANPOWER UTILIZATION SCHEDULE

Category	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Contractor's Name:	Name of the Procuring Entity:						Contract Name:					

Submitted by:

Name of the Representative of the Bidder
Position
Name of the Bidder

Date: _____

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Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC-INFRA-2025-09-22**
Name of the Contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the Contract: **ISAT U - Miagao Campus, Miagao, Iloilo**

OUTLINE
NARRATIVE DESCRIPTION
OF
CONSTRUCTION METHODS

1.0 INTRODUCTION

Refer to Bidding etc.

2.0 BRIEF DESCRIPTION OF CONTRACT WORKS

State General features of contract works. Use tables as necessary.

3.0 CONSTRUCTION METHODS AND PROCEDURES

3.1 Methodology or General Approach

State general approach in construction in terms of use of equipment-intensive or labor based methods, any special techniques, methods or procedures to ensure completion on time and quality of construction, financing the project, etc.

3.2 Program of Work

CPM, Progress Bar Schedule and Development Schedules submitted

3.3 Financial program

3.4 Cash flow schedules, provision for working capital, schedule of receipts, etc.

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
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BIDS AND AWARDS COMMITTEE

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Name of the Project: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of Contract: **ISAT U - Miagao Campus, Miagao, Iloilo**

EQUIPMENT UTILIZATION SCHEDULE

Category/Equipment	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Contractor's Name:	Name of the Procuring Entity:						Contract Name:					

Submitted by:

Name of the Representative of the Bidder
Position
Name of the Bidder

Date: _____

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: [name and address of Procuring Entity]

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

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract];*

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;

d. The discounts offered and the methodology for their application are: *[insert information]*;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties],* which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof

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[1] currently based on GPPB Resolution No. 09-2020

included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity*].*

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

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____

ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY
Miagao Campus
Miagao, Iloilo

BIDS AND AWARDS COMMITTEE

Contract Reference Number: **ISAT U MC INFRA-2025-09-22**
Name of the Contract: **CONSTRUCTION OF MULTI-PURPOSE BUILDING/GYMNASIUM OF ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY - MIAG-AO CAMPUS**
Location of the contract: **ISAT U - Miagao Campus, Miagao, Iloilo**

CASH FLOW BY QUARTER OR PAYMENT SCHEDULE

PARTICULAR	% WT.	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
ACCOMPLISHMENT					
CASH FLOW					
CUMULATIVE ACCOMPLISHMENT					
CUMULATIVE CASH FLOW					

Submitted by:

_____
Nameof the Representative of Bidder:

Date: _____

Position: _____
Name of Bidder: _____

Republic of the Philippines

gppb

Government Procurement Policy Board