PhilGEPS Philippine Government Electronic Procurement System — Central Portal for Philippine Government Procurement Oppurtunities

Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number	13214627
Procuring Entity	PALAWAN STATE UNIVERSITY
Title	CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS
Area of Delivery	Palawan

Solicitation Number:	PSU-INFRA-2026-005
Trade Agreement:	Implementing Rules and Regulations
Procurement Mode:	Public Bidding
Classification:	Civil Works
Category:	Construction Projects
Approved Budget for the Contract:	PHP 15,000,000.00
Delivery Period:	210 Day/s
Client Agency:	
Contact Person:	LILYBETH JOY MAE AGUM CUYO Administrative Officer V / Procurement Office Tiniguiban Heights, Puerto Princesa City Palawan Philippines 5300 63-48-4330488 upo@psu.palawan.edu.ph

Status	**Active**
Associated Components	20
Bid Supplements	0
Document Request List	1
Date Published	27/08/2026
Last Updated / Time	27/08/2026 00:00 AM
Closing Date / Time	15/09/2026 09:00 AM

Description

Please see attached files

Pre-bid Conference

Date	Time	Venue
03/09/2026	1:00:00 PM	Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300

Created by	LILYBETH JOY MAE AGUM CUYO
Date Created	26/08/2026

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Republic of the Philippines
PALAWAN STATE UNIVERSITY
Bids and Awards Committee
Puerto Princesa City

PALAWAN STATE UNIVERSITY • BIDS AND AWARDS COMMITTEE •
OFFICIAL RELEASE
NO.: 059
DATE: 08-27-26
BY:

Invitation to Bid: *CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS*

The ***PALAWAN STATE UNIVERSITY***, through the *FUND 101, FY 2026 intends* to apply the sum of *P15,000,000.00 being* the Approved Budget for the Contract (ABC) to payments under the contract **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS** *and* ***[PSU-INFRA-2026-005].*** Bids received in excess of the ABC shall be automatically rejected at bid opening.

1. The ***PALAWAN STATE UNIVERSITY*** now invite bids for the above Procurement Project. Completion of the Works is required for *210 CD*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

2. Bidding will be conducted through competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the IRR, otherwise known as the "New Government Procurement Act (NGPA)".

3. Interested Bidders may obtain further information from ***PALAWAN STATE UNIVERSITY*** and inspect the Bidding Documents at the address *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300. From 8:00 AM TO 7:00 PM Monday to Thursday.*

4. A complete set of Bidding Documents may be acquired by interested bidders on ***August 27, 2026 starting 8:00 AM to 7:00 PM (Monday to Thursday) until 09:00 AM September 15, 2026*** *from* given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of* ***Twenty -Five Thousand (25,000.00)***. It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the PALAWAN STATE UNIVERSITY, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

5. The *PALAWAN STATE UNIVERSITY will* hold a Pre-Bid Conference ***September 03, 2026, 1:00 PM*** at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* which shall be open to prospective bidders.

6. Bids must be duly received by the BAC Secretariat through manual submission at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* on or ***before 09 o'clock in the morning*** on ***September 15, 2026***. Late bids shall not be accepted.

7. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

8. Bid opening shall be on ***10: 00 AM*** *on* ***September 15, 2026.*** at *Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300.* Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Republic of the Philippines
PALAWAN STATE UNIVERSITY
Bids and Awards Committee
Puerto Princesa City

PALAWAN STATE UNIVERSITY
OFFICIAL RELEASE
NO.: 059
DATE: 08-27-26
BY:
BIDS AND AWARDS COMMITTEE

9. The ***Head of the Procuring Entity (HOPE),*** *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 Section 70 of R.A. No. 12009, without thereby incurring any liability to the affected bidder or bidders.*

10. For further information, please refer to:

MR. FRANCISCO III O. BALUYUT
a. *Office of the Bids and Awards Committee*
b. *Ground floor, Administration Building, Palawan State University*
c. *Puerto Princesa City, 5300*
d. *procurement@psu.palawan.edu.ph*
e. *09394619011*

27 August 2026

DR. MAILA N. LUCERO
BAC Chairperson for Infra

PHILIPPINE BIDDING DOCUMENTS

Government of the
Republic of the Philippines

Procurement of INFRASTRUCTURE PROJECTS

First Edition
May 2025

Preface

These Philippine Bidding Documents (PBD) for the procurement of Infrastructure Projects (hereinafter referred to also as the "Works") through *[Competitive Bidding, Limited Source Bidding, or Competitive Dialogue*[1]*]* have been prepared by the Government of the Philippines (GoP) for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the Government, including government-owned and/or -controlled corporations (GOCC), government financial institutions (GFI), state universities and colleges (SUC), local government units (LGU), and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory[2] use in projects that are financed in whole or in part by the GoP or any foreign government/foreign or international financing institution in accordance with the provisions of the Implementing Rules and Regulations (IRR) of Republic Act No. 12009 (RA No. 12009).

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

The Bidding Documents shall clearly and adequately define, among others: (a) the objectives, scope, and expected outputs and/or results of the proposed contract; (b) the eligibility requirements of Bidders; (c) the expected contract duration; and (d) the obligations, duties, and/or functions of the winning bidder.

In order to simplify the preparation of the Bidding Documents for each procurement, the PBD groups the provisions that are intended to be used unchanged in Section II. Instructions to Bidders (ITB) and in Section IV. General Conditions of Contract (GCC). Data and provisions specific to each procurement and contract should be included in Section III. Bid Data Sheet (BDS); Section V. Special Conditions of Contract (SCC); Section VI. Specifications; Section VII. Drawings; and Section VIII. Bill of Quantities. The forms to be used are provided in Section IX. Philippine Bidding Documents Related Forms.

Prudence must be exercised to check the relevance of the provisions of the PBD against the requirements of the specific Works to be procured. In addition, each Section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents, except for the notes introducing Section IX. Philippine Bidding Documents Related Forms, where the information is useful for the Bidder. The following general directions should be observed when using the documents:

a) All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.

b) Specific details, such as the "name of the Procuring Entity" and "address for proposal submission," should be furnished in the BDS and SCC. The final documents should contain neither blank spaces nor options.

---

[1] For Second Stage of Competitive Dialogue under Section 29.4.2 of IRR of RA No. 12009.

[2] Unless the Treaty or International or Executive Agreement expressly provides use of foreign government/foreign or international financing institution procurement guidelines.

c) This Preface and the footnotes, or notes in italics included in the Invitation to Bid, BDS, SCC, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow. The Bidding Documents should not contain footnotes except Section IX. Philippine Bidding Documents Related Forms since these provide important guidance to Bidders.

d) The cover page should be modified as required to identify the Bidding Documents and date of issue.

e) The Project title page should be modified as required to identify the Project title and number, name and address of the Procuring Entity.

f) If modifications must be made to the bidding requirements, they can be presented in the BDS. Modifications for specific Project or Contract details should be provided in the SCC as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the BDS or SCC, these terms shall be printed in bold type face on Section II. Instructions to Bidders, and Section IV. General Conditions of Contract, respectively. To facilitate easy reference and completion, clauses from the BDS and SCC shall appear in bold type face in Sections II and IV, respectively.

Republic of the Philippines

PALAWAN STATE UNIVERSITY

Procurement of INFRASTRUCTURE PROJECTS

CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS with an ABC of Php 15,000,000.00 FY 2026, FROM FUND 101, *[PSU-INFRA-2026-005]*

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

ADR – Alternative Dispute Resolution.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

COS – Contract of Service.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

GCC - General Conditions of Contract.

GFI – Government Financial Institution.

GOCC – Government-Owned and/or –Controlled Corporation.

GoP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

HoPE – Head of Procuring Entity.

JO – Job Order.

IRR – Implementing Rules and Regulations.

ITB – Instructions to Bidders.

LCB- Lowest Calculated Bid.

LCRB – Lowest Calculated Responsive Bid.

LGUs – Local Government Units.

LoC – Line of Credit

MAB – Most Advantageous Bid.

MARB – Most Advantageous Responsive Bid.

MEARB – Most Economically Advantageous Responsive Bid.

MYCA – Multi-Year Contracting Authority.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

PSA – Philippine Statistics Authority.

RA No. – Republic Act Number.

SARB – Single Advantageous and Responsive Bid.

SCC - Special Conditions of Contract.

SCRB – Single Calculated and Responsive Bid.

SEARB – Single Economically Advantageous Responsive Bid.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

SRRB – Single Rated and Responsive Bid.

UN – United Nations.

Definition of Terms

Bid – a signed offer, proposal, or quotation submitted by a supplier, manufacturer, distributor, contractor, consultant, or service provider in response to the requirements of the Procuring Entity as stated in the Bidding Documents. (IRR of RA No. 12009, Section 5[c]).

Bidder – a supplier, manufacturer, distributor, contractor, consultant, and service provider, whether public or private, who submits a Bid in response to the requirements of the Procuring Entity as stated in the Bidding Documents. (IRR of RA No. 12009, Section 5[d]).

Bidding Documents – the documents issued by the Procuring Entity as the basis for Bids, furnishing all information necessary to prospective bidder to prepare a Bid for the Goods, Infrastructure Projects, and Consulting Services required by the Procuring Entity. (IRR of RA No. 12009, Section 5[e])

Bill of Quantities – a list of the specific items of the Work and their corresponding unit prices, lump sums, and/or provisional sums.

Consulting Services – services for Infrastructure Projects and other types of projects or activities of the government requiring adequate external technical and professional expertise that are beyond the capability or capacity of the government to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (IRR of RA No. 12009, Section 5[i]).

Contract – the agreement entered into between the Procuring Entity and the Contractor to execute, complete, and maintain the Works and as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contract Price – the price stated in the Notice of Award and thereafter to be paid by the Procuring Entity to the Contractor for the execution of the Works in accordance with this Contract.

Contract Time Extension (CTE) – the allowable period for the Contractor to complete the Works in addition to the original Completion Date stated in this Contract.

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

Days – refers to calendar days; months to calendar months.

Dayworks – varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.

Defect – any part of the Works not completed in accordance with the Contract.

Defects Liability Certificate – the certificate issued by the Procuring Entity upon correction of defects by the Contractor.

Defects Liability Period – the one (1) year period between contract completion and final acceptance within which the Contractor assumes the responsibility to undertake the repair of any damage to the Works at its own expense.

Drawings – graphical presentations of the Works. They include all supplementary details, shop drawings, calculations, and other information provided or approved for the execution of this Contract.

Effective Date of the Contract – the date indicated in the contract. However, the Contractor shall commence performance of its obligations only upon receipt of the Notice to Proceed.

Foreign-funded Procurement or Foreign-Assisted Project – refers to the acquisition of Goods, Consulting Services, and the contracting for Infrastructure Projects by the Government of the Philippines which are wholly or partly funded by foreign loans or grants pursuant to a Treaty or International or Executive Agreement.

Funding Source – Organization named in the SCC.

Goods – refer to (i) all items, supplies, and materials, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity; or (ii) general support services which pertain to all types of services except Consulting Services and Infrastructure Projects, such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services. Personnel Services or individual COS or JO engagements do not fall under this definition; (IRR of RA No. 12009, Section 5[n]).

Infrastructure Projects – include the construction, improvement, rehabilitation, demolition, repair, restoration, or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as “civil works” or “works;” (IRR of RA No. 12009, Section 5[r]).

Lot – refers to one or more infrastructure projects that are grouped or bundled together based on factors, such as scope, location, or other relevant parameters, as determined by the End-User or Implementing Unit of the Procuring Entity. Each lot is distinct within the project and may be awarded as a separate contract.

MARB – refers to the award criteria in the procurement of Infrastructure where the considerations for the award of contract are the eligibility of the bidder, the responsiveness of its bid to the technical requirements, and the most advantageous bid in reference to the highest rated offer based on the quality component of the bid.

Materials – refer to all supplies, including consumables, used by the Contractor for incorporation in the Works.

MEARB – refers to the award criteria in the procurement of Infrastructure where the considerations for the award of contract are the eligibility of the bidder, the responsiveness of its bid to the technical requirements, and the determination of the most economically advantageous bid in reference to the quality-price ratio allocated to the technical and financial components of the bid.

Notice to Proceed – refers to a written notice issued by the Procuring Entity to the Contractor requiring the latter to begin the commencement of the work not later than a specified or determinable date.

Online submission – pertains to the submission of the bid for Infrastructure Projects and the bid envelopes containing the technical and financial components of the bid through electronic means or through the electronic bidding facility of the PhilGEPS, once available.

Permanent Works – refer to all permanent structures and all other project features and facilities required to be constructed and completed in accordance with this Contract which shall be delivered to the Procuring Entity, and which shall remain at the Site after the removal of all Temporary Works.

Plant – refers to the machinery, apparatus, and the like intended to form an integral part of the Permanent Works.

Procuring Entity - the organization acquiring the Infrastructure Project, as named in the SCC.

Project – refers to a specific or identified procurement covering Goods, Infrastructure Projects or Consulting Services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the Procuring Entity's Annual Procurement Plan.

Program of Work – refers to the big-picture plan and comprehensive schedule that details construction-related tasks to ensure the timely and efficient delivery of the project.

Site Investigation Reports – refers to those that were included in the Bidding Documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.

Slippage – refers to a delay in work execution occurring when actual accomplishment falls below the target as measured by the difference between the scheduled and actual accomplishment of the Work by the Contractor as established from the work schedule. This is actually described as a percentage of the whole Works.

Simple Infrastructure Projects – refers to construction, improvement, rehabilitation, demolition, repair, restoration, or maintenance of structures, technical facilities and systems with an Approved Budget for the Contract (ABC) not exceeding Ten Million Pesos (PhP 10,000,000.00) built at the community level for the sustenance of lives and livelihoods of the population living in a community and built according to the needs and aspirations of the community population.

Verified Report – the report submitted by the Implementing Unit to the HoPE setting forth its findings as to the existence of grounds or causes for termination and explicitly stating its recommendation for the issuance of a Notice to Terminate.

Section I. Invitation to Bid

Notes on the Invitation to Bid

The Invitation to Bid provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The Invitation to Bid shall be:

a) In line with the principles of transparency and competitiveness and to ensure the widest possible dissemination thereof, all invitations to bid shall be published continuously by the Procuring Entity, for seven (7) calendar days on the Philippine Government Electronic Procurement System (PhilGEPS) website, in any conspicuous place reserved for this purpose in the premises of the Procuring Entity, and on the website or social media platforms of the Procuring Entity, if available, or such other channels as may be authorized by the Government Procurement Policy Board (GPPB), and the website prescribed by the foreign government/foreign or international financing institution, if applicable; and
b) For justifiable reasons, Procuring Entities that cannot publish procurement opportunities on its website, social media platform, or such other channels authorized by the GPPB shall publish its invitation to bid, at least once, in a newspaper of general nationwide circulation.

Apart from the essential items listed in the Bidding Documents, the Invitation to Bid should also indicate the following:

a) The availability of the Bidding Documents, which shall be commence from the time the Invitation to Bid is first published until the deadline for submission and continue until the deadline for submission and receipt of bids;
b) The place where the Bidding Documents may be acquired or the website where it may be downloaded;
c) The deadline for the submission and receipt of bids;
d) The procurement strategy/ies; and
e) The bid award criterion/criteria. (*e.g.*, the application of a margin of preference in bid evaluation)

The Invitation to Bid should be incorporated into the Bidding Documents. The information contained in the Invitation to Bid must conform to the Bidding Documents, particularly to the relevant information in the BDS.

Invitation to Bid*: CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS*

The ***PALAWAN STATE UNIVERSITY*,** through the *FUND 101, FY 2026 intends* to apply the sum of *P15,000,000.00 being* the Approved Budget for the Contract (ABC) to payments under the contract **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS** *and **[PSU-INFRA-2026-005]*.** Bids received in excess of the ABC shall be automatically rejected at bid opening.

1. The ***PALAWAN STATE UNIVERSITY*** now invite bids for the above Procurement Project. Completion of the Works is required for *210 CD*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

2. Bidding will be conducted through competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the IRR, otherwise known as the "New Government Procurement Act (NGPA)".

3. Interested Bidders may obtain further information from ***PALAWAN STATE UNIVERSITY*** and inspect the Bidding Documents at the address *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300. From 8:00 AM TO 7:00 PM Monday to Thursday.*

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5. The *PALAWAN STATE UNIVERSITY will* hold a Pre-Bid Conference ***September 03, 2026, 1:00 PM*** at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* which shall be open to prospective bidders.

6. Bids must be duly received by the BAC Secretariat through manual submission at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* on or ***before 09 o'clock in the morning*** on ***September 15, 2026***. Late bids shall not be accepted.

7. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

8. Bid opening shall be on ***10: 00 AM*** *on* ***September 15, 2026.*** at *Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300.* Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

9. The ***Head of the Procuring Entity (HOPE),*** *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 Section 70 of R.A. No. 12009, without thereby incurring any liability to the affected bidder or bidders.*

10. For further information, please refer to:

MR. FRANCISCO III O. BALUYUT
a. *Office of the Bids and Awards Committee*
b. *Ground floor, Administration Building, Palawan State University*
c. *Puerto Princesa City, 5300*
d. *procurement@psu.palawan.edu.ph*
e. *09394619011*

27 August 2026

DR. MAILA N. LUCERO
BAC Chairperson for Infra

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

This Section contains provisions that shall not be changed or modified. Any amendment shall be reflected in Section III. Bid Data Sheet which consists of provisions that supplement, amend, or specify in detail information or requirements included in this Section and which are specific to each procurement.

Matters governing performance of the Contractor, payments under the contract, or those affecting the risks, rights, and obligations of the parties under the contract are not normally included in this Section, but rather under Section IV. General Conditions of Contract (GCC), and/or Section V. Special Conditions of Contract (SCC). If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, prudence must be exercised to avoid contradictions between clauses dealing with the same matter.

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A. General

1) Scope of Bid

1.1 The Procuring Entity named in the **BDS**, invites Bids for the [insert Procurement Project], with Project Identification Number [indicate number].

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

1.2 The winning Bidder will be expected to complete the Works by the intended completion date specified in **SCC** Clause 1.1.

2) Source of Funds

The Procuring Entity has a budget or received funds from the Funding Source named in the **BDS**, and in the amount indicated in the **BDS**. It intends to apply part of the funds received for this Project to cover eligible payments under the contract.

3) Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

3.1 Unless otherwise specified in the **BDS**, the Procuring Entity, as well as Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. In pursuance of this policy, the Procuring Entity:

a) defines, for purposes of this provision, the following terms under existing laws, rules, and regulations:

i) "corrupt practice" means an act by which officials in the public or private sectors improperly and unlawfully enrich themselves, others, or induce others to do so, by misusing the position in which they are placed, and includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; entering, on behalf of the government, into any contract or transaction manifestly and grossly disadvantageous to the same, whether or not the public officer profited or will profit thereby, and similar acts as provided in RA No. 3019.

ii) "fraudulent practice" means a misrepresentation of facts for purposes of influencing a procurement process or the execution of a contract to the detriment of the Procuring Entity, which includes collusive practices among Bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the Procuring Entity of the benefits of free and open competition.

iii) "collusive practices" means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Procuring Entity, designed to establish bid prices at artificial, non-competitive levels.

iv) "coercive practices" means harming or threatening to harm, directly or indirectly, persons, or their property to influence their

participation in a procurement process, or affect the execution of a contract;

v) "obstructive practice" is

a) deliberately destroying, falsifying, altering or concealing of evidence material to an administrative proceedings or investigation or making false statements to investigators in order to materially impede an administrative proceedings or investigation of the Procuring Entity or any foreign government/foreign or international financing institution relative to allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent the latter from disclosing its knowledge of matters relevant to the administrative proceedings or from pursuing such proceedings or investigation; or

b) acts intended to materially impede the exercise of the inspection and audit rights of the Procuring Entity or any foreign government/foreign or international financing institution herein.

b) Undertakes to reject a proposal for award upon *prima facie* determination that the Bidder recommended for award has engaged in any of the prohibited practices mentioned in this Clause for purposes of competing for the contract.

3.2 Further, the Procuring Entity will seek to impose the maximum civil, administrative, and/or criminal penalties available under the applicable laws on individuals and organizations deemed to be involved in any of the practices mentioned in **ITB** Clause 4.

3.3 Furthermore, the Funding Source and the Procuring Entity reserve the right to inspect and audit records and accounts of a Bidder or Contractor in the bidding for and performance of a contract themselves or through independent auditors as reflected in the **GCC** Clause 36.

4) Conflict of Interest

4.1 All Bidders found to have conflicting interests shall be disqualified to participate in the procurement at hand, without prejudice to the imposition of appropriate administrative, civil, and criminal sanctions. A Bidder may be considered to have conflicting interests with another Bidder in any of the events described in paragraphs (a) through (c) and a general conflict of interest in any of the circumstances set out in paragraphs (d) through (f) below:

a) A Bidder has controlling shareholders or beneficial owners in common with another Bidder;

b) A Bidder receives or has received any direct or indirect subsidy from any other Bidder;

c) A bidder has the same legally authorized representative as that of another Bidder for purposes of this Bid;

d) A bidder has a relationship, directly or through third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder or influence the decisions of the Procuring Entity regarding this bidding process. This may include a firm or an organization that lends, or temporarily seconds, its personnel to firms or organizations that are engaged in consulting services for the preparation related to procurement for or implementation of the project if the personnel would be involved in any capacity on the same project;

e) A bidder who participated as a consultant in the preparation of the design or technical specifications of the goods and related services that are the subject of the bid; or

f) A bidder who lends, or temporarily seconds, its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.

4.2 All Bidding Documents shall be accompanied by an Omnibus Sworn Statement of the Bidder that it is not related, by consanguinity or affinity up to the third civil degree, to the HoPE, Procurement Agent (if engaged), the head of the Project Management Office (PMO), the End-User or Implementing Unit or any members of the Bids and Awards Committee (BAC), Technical Working Group (TWG), and BAC Secretariat.[3]

4.3 The Bidder shall also disclose the ultimate beneficial ownership of the entity it represents. Failure to comply shall be a ground for the automatic disqualification of the bid in consonance with Section 59 of the IRR. For this reason, relationship to the aforementioned persons within the third civil degree of consanguinity or affinity shall automatically disqualify the Bidder from participating in the procurement of contracts of the Procuring Entity notwithstanding the act of such persons inhibiting themselves from the procurement process. This Clause shall apply to the following persons and affiliates:

a) In the case of individuals or sole proprietorships, to the Bidders and their spouses;

b) In the case of partnerships, to the partnership itself and its partners;

c) In the case of cooperatives, to the cooperative itself and members of the board of directors, general manager or chief executive officer;

d) In the case of a partnership, joint venture, or consortium, to the entity itself, its members or partners, as well as any person or entity that is a member of a blacklisted partnership, joint venture, or consortium; and

e) In the case of corporations, a single stockholder, together with their relatives up to the third civil degree of consanguinity or affinity, and their assignees, holding at least twenty percent (20%) of the shares therein, its chairperson and president, shall be blacklisted after they have been

[3] Section 81.1 of the IRR.

determined to hold the same controlling interest in a previously blacklisted corporation or in two corporations that have been blacklisted; the corporations of which they are part shall also be blacklisted.

5) Eligible Bidders

5.1 Only Bids found to be legally, technically, and financially eligible will be evaluated. For procurement of Infrastructure Projects, the following persons shall be eligible to participate in this bidding:

a) Duly licensed Filipino citizens or sole proprietorships;

b) Partnerships duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the interest belongs to citizens of the Philippines;

c) Corporations duly organized under the laws of the Philippines, and of which at least sixty percent (60%) of the outstanding capital stock belongs to citizens of the Philippines;

d) Cooperatives duly organized under the laws of the Philippines; and

e) Persons or entities forming themselves into a Joint Venture (JV), i.e., a group of two (2) or more persons or entities that intend to be jointly and severally responsible or liable for a particular contract; Provided, however, that in accordance with relevant laws, rules, and regulations, Filipino ownership or interest of the joint venture concerned shall be at least sixty percent (60%); Provided, further, that joint ventures in which Filipino ownership or interest is less than sixty percent (60%) may be eligible where the structures to be built require the application of techniques or technologies which are not adequately possessed by a person or entity meeting the sixty percent (60%) Filipino ownership requirement; Provided, furthermore, that in the latter case, Filipino ownership or interest shall not be less than twenty-five percent (25%). For this purpose, Filipino ownership or interest shall be based on the contributions of each of the member of the joint venture as specified in their Joint Venture Agreement (JVA); Provided, finally, that the primary purpose of each member of the joint venture must be similar or related to the requirement of the project to be bid out.

5.2 The Procuring Entity may also invite foreign bidders when provided for under any Treaty or International or Executive Agreement as specified in the **BDS**.

5.3 In accordance with RA No. 4566 or the “Contractors' License Law” as amended by RA No. 11711 or “An Act Further Amending Republic Act No. 4566”, the persons or entities enumerated in Section 52 of the IRR may participate in the procurement of Infrastructure Projects if it has been issued a license by the Philippine Contractors Accreditation Board (PCAB) to engage or act as a contractor.

5.4 The Bidder must have completed an SLCC that is similar to the procurement project to be bid, and whose value must be equivalent to at least fifty percent (50%) of the ABC, adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price indices; Provided, that any change to the fifty

percent (50%) requirement may be allowed, subject to the recommendation of the Procuring Entity, which shall be submitted to the GPPB for consideration; Provided, further, that contractors under Small A and Small B categories without similar experience on the procurement project to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost of their registration based on the guidelines as prescribed by the PCAB.

For foreign-funded procurement, the GoP and the foreign government, or foreign or international financing institution may agree on another track record requirement, as specified in the **BDS**.

Moreover, a contract shall be considered similar to the procurement project if it has the same major categories of work. The Procuring Entity may clarify in the Bidding Documents what is regarded as major categories of work, guided by the principle of proportionality and Fit-for-Purpose approach.

5.5 The SLCC shall be supported by an Owner's Certificate of Final Acceptance issued by the project owner other than the Contractor, or a final rating of at least Satisfactory in the Constructors Performance Evaluation System (CPES), or a similar performance and monitoring system. In the case of contracts with the private sector, an equivalent document shall be submitted.

5.6 The computation of a bidder's NFCC must be at least equal to the ABC to be bid, calculated as follows:

> NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the procurement project to be bid; Provided, That a different formula may be adopted subject to the recommendation of the Procuring Entity, which shall be submitted to the GPPB for consideration.

The value of the domestic bidder's current assets and current liabilities shall be based on the latest AFS submitted to the BIR.

For purposes of computing the foreign bidders' NFCC, the value of the current assets and current liabilities shall be based on their latest AFS prepared in accordance with international financial reporting standards.

6) Bidder's Responsibilities

6.1 The Bidder or its duly authorized representative shall submit a sworn statement in the form prescribed in Section IX. Philippine Bidding Documents Related Forms as required in **ITB** Clause 12.1(h)(iv).

6.2 Before submitting their bids, the Bidders are deemed to be knowledgeable of all existing laws, decrees, ordinances, acts and regulations of the Philippines which may affect this Project in any way.

6.3 The Bidder undertook the following responsibilities:

a) Took steps to carefully examine and ensure full understanding and comprehension of the Bidding Document, its requirements, clauses, and provisions;

b) Acknowledged all conditions, local or otherwise, affecting the implementation of the contract;

c) Made an estimate of the facilities available and needed for the contract to be bid, if any;

d) Complied with its responsibility to inquire or secure Supplemental Bid Bulletin(s);

e) Ensured that it is not "blacklisted" or barred from bidding by the Government of the Philippines (GoP) or any of its agencies, offices, corporations, or LGUs, including foreign government, or foreign/ international financing institutions whose blacklisting rules have been recognized by the GPPB; by itself or by reason of its relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity;

f) Ensured that each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and that all statements and information provided therein are true and correct;

g) Authorized the HoPE or its duly authorized representative/s to verify all the documents submitted;

h) Ensured that the signatory 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, to sign, and execute the ensuing contract, accompanied by the duly notarized Special Power of Attorney, Board or Partnership Resolution, or Secretary's Certificate, whichever is applicable;

i) Complied with the disclosure provision under Section 81 and 82 of RA No. 12009 and its IRR in relation to other provisions of RA No. 3019;

j) Complied with existing labor laws and standards. Moreover, the Bidder undertakes to:

   i) Ensure the entitlement of workers to wages, hours of work, safety and health and other prevailing conditions of work as established by national laws, rules and regulations; or Collective Bargaining Agreement (CBA) or arbitration award, if and when applicable.

      In case there is a finding by the Procuring Entity or the Department of Labor and Employment (DOLE) of underpayment or non-payment of workers' wages and wage-related benefits, the Bidder agrees that the performance security or portion of the contract amount shall be withheld in favor of the complaining workers pursuant to appropriate provisions of RA No. 12009, without prejudice to the institution of appropriate actions under the Labor Code, as amended, and other social legislations;

   ii) Comply with Occupational Safety and Health Standards (OSHS) and correct deficiencies, if any.

In case of imminent danger, injury or death of the worker, the Bidder undertakes to suspend contract implementation pending clearance to resume from the DOLE Regional Office, in compliance with the Work Stoppage Order; and

iii) Inform the workers of their conditions of work, labor clauses under the contract specifying wages, hours of work and other benefits under prevailing national laws, rules and regulations; or CBA or arbitration award, if and when applicable, through posting in two (2) conspicuous places in the establishment's premises.

k) Ensured that it did not give or pay, directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity;

l) Examined all instructions, forms, terms, and specifications in the Bidding Documents;

m) Determined and complied with all matters pertaining to the contract to be bid, including but not limited to: (i) the location and the nature of the contract, project, or work; (ii) climatic conditions; (iii) transportation facilities; (iv) 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 (v) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work; and

n) Ensured that all information in the Bidding Documents, including bid or supplemental bid bulletin(s) issued, are correct and consistent. The Procuring Entity shall not assume any responsibility regarding erroneous interpretations or conclusions by the prospective or eligible Bidder out of the data furnished by the Procuring Entity.

Failure to observe any of the above responsibilities shall be at the risk of the Bidder concerned;

6.4 The Bidder, by the act of submitting its bid, shall be deemed to have inspected the site, determined the general characteristics of the contract works and the conditions for this Project and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

6.5 Further, the Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring Entity shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

In case of failure of bidding, the Bidding Documents fee may be applied in the re-bidding for the same Project.

6.6 Furthermore, the Bidder should be aware that the Procuring Entity will accept bids only from those that have paid the applicable fee for the Bidding Documents at the office indicated in the Invitation to Bid.

7) Origin of Goods and Services

Unless otherwise indicated in the **BDS**, there is no restriction on the origin of Goods, or Contracting of Works or Services other than those prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations.

8) Subcontracts

8.1 Unless otherwise specified in the **BDS**, the Bidder may subcontract portions of the Works to an extent as may be approved by the HoPE and as stated in the **BDS**. However, the subcontracted portion shall not exceed fifty (50%), or a different percentage of the ABC, on a per project basis, as approved by the GPPB.

8.2 Subcontracting of any portion of the Project shall not relieve the Bidder from any liability or obligation that may arise from the contract.

8.3 Subcontractors must meet the eligibility criteria as stated in the **BDS** and shall submit the same eligibility documents as the general contractor. Failure of a subcontractor to meet the eligibility criteria does not affect the eligibility of the general contractor for the procurement project. In such case, the portion intended to be subcontracted to the ineligible subcontractor shall be assumed by the general contractor.

8.4 Subcontracting arrangement, if allowed, including the time of submission of the eligibility documents of the subcontractor, shall be disclosed in the **BDS.**

B. Contents of Bidding Documents

9) Pre-Bid Conference

9.1 If so specified in the **BDS**, a pre-bid conference shall be held either at the Procuring Entity's physical address and/or online through videoconferencing, webcasting, or similar technology, or a combination thereof, on the date indicated therein, to clarify and address the Bidders' questions on the technical and financial components of this Project.

9.2 The pre-bid conference shall be held at least twelve (12) calendar days before the deadline for the submission of and receipt of bids, but not earlier than seven (7) calendar days from the posting of the invitation to bid and other bidding documents on the PhilGEPS website.

9.3 Bidders are highly encouraged to attend the pre-bid conference to fully understand the Procuring Entity's requirements. While non-attendance of the Bidder will in no way prejudice its bid, the Bidder is deemed to know any changes and/or amendments to the Bidding Documents, as may be provided in the Supplemental Bid Bulletin.

The proceedings of the pre-bid conference shall be recorded, and the corresponding minutes shall be prepared not later than five (5) calendar days after the pre-bid conference. The minutes shall be made available to prospective Bidders not later than five (5) days upon written request.

9.4 Decisions of the BAC amending any provision of the Bidding Documents shall be issued in writing through a Supplemental Bid Bulletin at least seven (7) calendar days before the deadline for the submission and receipt of bids.

10) Clarification and Amendment of Bidding Documents

10.1 Prospective bidders may request for clarification(s) on and/or interpretation of any part of the Bidding Documents. Such a request must be in writing and submitted to the BAC of the Procuring Entity at the address or electronic mail indicated in the **BDS** or through the electronic bidding facility of PhilGEPS, as may be applicable, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10.2 The BAC shall respond to the said request by issuing a Supplemental Bid Bulletin duly signed by the BAC Chairperson. It shall be made available to all those who have properly secured the Bidding Documents, at least seven (7) calendar days before the deadline for the submission and receipt of Bids.

10.3 Supplemental Bid Bulletins may also be issued upon the Procuring Entity's initiative for purposes of clarifying or modifying any provision of the Bidding Documents not later than seven (7) calendar days before the deadline for the submission and receipt of Bids. Any modification to the Bidding Documents shall be identified as an amendment.

10.4 Any Supplemental Bid Bulletin issued by the BAC shall also be posted on the PhilGEPS website, in any conspicuous place in the premises of the Procuring Entity, and on the website or social media platforms of the Procuring Entity, if available, or such other channels as may be authorized by the GPPB. It shall be the responsibility of all prospective bidders, including those who have properly secured the Bidding Documents, to inquire and secure Supplemental Bid Bulletins that may be issued by the BAC. However, Bidders who have submitted bids before the issuance of the Supplemental Bid Bulletin must be accordingly informed by the BAC, and be allowed to modify or withdraw their bids prior to the deadline for the submission and receipt of bids in accordance with ITB Clause 21.

C. Preparation of Bids

11) Language of Bids

The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country. The Bidder shall cause the authentication of the translated documents and shall be authenticated by the appropriate Philippine foreign service establishment or post or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. However, for Contracting Parties to the Apostille Convention, the documents shall be authenticated through an apostille by the Competent Authority, as defined in Section 20.2.9.2 of the IRR, except for countries identified by the DFA that will still require legalization (red ribbon) by the relevant Embassy or Consulate. The English translation shall govern, for purposes of interpretation of the bid.

12) Documents Comprising the Bid: Technical and Financial Components

12.1 The first bid envelope shall contain the following technical documents, including the eligibility documents:

a) PhilGEPS Certificate of Registration (Platinum Membership) in accordance with Section 20 of the IRR;

b) PCAB License and Registration, in case of Joint Venture (JV);

c) Statement 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;

d) Statement of the Bidder's SLCC, in accordance with **ITB** Clause 5.5.

The SLCC shall be supported by an Owner's Certificate of Final Acceptance issued by the project owner other than the Contractor, or a final rating of at least satisfactory in the CPES, or a similar performance and monitoring system. In case of contracts with the private sector, an equivalent document shall be submitted;

e) NFCC computation in accordance with **ITB** Clause 5.6;

f) Joint Venture Agreement (JVA), if applicable;

g) Bid Security in the prescribed form and amount in accordance with **ITB** Clause 16, and validity period under **ITB** Clause 15;

h) Project Requirements, which shall include the following:

i) Organizational chart of the personnel to be deployed for the procurement project to be bid;

ii) List of Contractor's personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the procurement project to be bid, with their complete qualifications and experience data. These personnel must meet the required minimum years of experience set in the **BDS**;

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

iv) Omnibus Sworn Statement in accordance with Section 54.3 of the IRR.

12.2 The second bid envelope shall contain the Financial Bid Form, which includes the bid prices and the bill of quantities, in accordance with **ITB** Clauses 13.1.

12.3 Whenever necessary, modifications may be made to the foregoing provisions specifically for major and specialized procurement to suit the particular needs of the Procuring Entity, subject to the approval of the GPPB.

12.4 All bids that exceed the ABC shall not be accepted. Unless otherwise indicated in the **BDS**, for foreign-funded procurement, the ABC shall be applied as the ceiling to bid prices provided the following conditions are met:

a) Bidding Documents are obtainable free of charge on a freely accessible website. If payment of Bidding Documents is required by the Procuring Entity, payment could be made upon the submission of bids.

b) The Procuring Entity has procedures in place to ensure that the ABC is based on recent estimates made by the engineer or the responsible unit of the Procuring Entity and that the estimates are based on adequate detailed engineering and reflect the quality, supervision and risk, and inflationary factors, as well as prevailing market prices, associated with the types of works or goods to be procured.

c) The Procuring Entity has trained cost estimators on estimating prices and analyzing bid variances. In the case of Infrastructure Projects, the Procuring Entity must also have trained quantity surveyors.

d) The Procuring Entity has established a system to monitor and report bid prices relative to ABC and engineer's or Procuring Entity's estimate.

e) The Procuring Entity has established a monitoring and evaluation system for contract implementation to provide feedback on actual total costs of goods and works.

However, the GoP and the foreign government, or foreign or international financing institutions may agree to waive the foregoing conditions.

13) Bid Prices

13.1 The contract shall be for the whole Works, as described in the Bidding Documents, based on the priced Bill of Quantities submitted by the Bidder.

13.2 The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. In case partial bids are allowed in the ITB, bids not addressing or providing all of the required items in the Bidding Documents including, where applicable, the Bill of Quantities, shall be considered non-responsive and shall be automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a zero (0) or a dash (-) for the said item would mean that it is being offered for free to the Government, except those required by law or regulations to be provided for.

13.3 For the given scope of work in the contract as awarded, all bid prices shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as specified in GCC Clause 45.

14) Bid Currencies

14.1 All bid prices shall be quoted in Philippine Peso unless otherwise provided in the **BDS**. 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 Daily Reference Exchange Rate Bulletin on the day of the bid opening.[4]

14.2 If so allowed in accordance with **ITB** Clause 14.1, the Procuring Entity, for purposes of bid evaluation and comparing the bid prices, will convert the currencies in which the bid price is expressed to Philippine Peso at the foreign exchange rates.

14.3 Unless otherwise specified in the **BDS**, payment of the contract price shall be made in Philippine Peso.

15) Bid Validity

15.1 Bids shall remain valid for the period specified in the **BDS** which shall not exceed one hundred twenty (120) calendar days from the date of the opening of bids.

15.2 Should it become necessary to extend the validity of the bids and the bid securities beyond one hundred twenty (120) calendar days, the Procuring Entity concerned shall request in writing all those who submitted bids for such extension before the expiration date therefor. Bidders, however, shall have the right to refuse to grant such extension without forfeiting their Bid Security.

16) Bid Security

16.1 The Bidder, at its option, shall submit a Bid Security in the form and amount as stated in the **BDS**, which may include the following:

Form of Bid Security	**Amount of Bid Security (Not less than the required Percentage of the ABC)**
(a) Cash or cashier's/manager's check issued by a bank. *For biddings conducted by LGUs, the Cashier's or Manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.*	Two percent (2%)
(b) Bank draft/guarantee or irrevocable Letter of Credit issued by a bank; Provided, however, that it shall be confirmed or authenticated by a local bank, if issued by a foreign bank.	Five percent (5%)

[4] RA No. 8183 or "An Act to Assure Uniform Value to Philippine Coin and Currency."

For biddings conducted by LGUs, the Bank Draft/ Guarantee, or irrevocable letter of credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument.	
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance on as authorized to issue such security.	Five percent (5%)
(d) Bid Securing Declaration	Not Applicable

The Bid Security shall be denominated in Philippine Peso and posted in favor of the Procuring Entity.

16.2 The Bid Security should be valid for the period specified in the **BDS**. Any bid not accompanied by an acceptable Bid Security shall be considered as non-responsive and rejected by the Procuring Entity.

16.3 In no case shall the Bid Security be returned later than the expiration of the bid validity period indicated in the Bidding Documents, unless it has been extended in accordance with Section 57.2 of the IRR. In case the bidder is required to extend its bid validity, the bidder may, at its discretion, substitute a Bid Securing Declaration for the extended period as a replacement of its Bid Security; Provided, that the option to substitute is indicated in the **BDS.**

16.4 Upon signing and execution of the contract, pursuant to **ITB** Clause 29, and the posting of the performance security pursuant to **ITB** Clause 30, the Bid Security of the successful Bidder's Bid Security will be discharged, but in no case later than its validity period as indicated in **ITB** Clause 15.

16.5 The Bid Security may be forfeited based on any of the following grounds, as provided under Rule VIII, X, XI, and XXI of the IRR:

a) If a Bidder:

i) With the Lowest Calculated Responsive Bid (LCRB), Most Economically Advantageous Responsive Bid (MEARB), Most Advantageous Responsive Bid (MARB), Single Calculated and Responsive Bid (SCRB), Single Economically Advantageous Responsive Bid (SEARB), or Single Advantageous Responsive Bid (SARB) withdraws, fails, refuses or is unable to: (i) submit the documents required under Section 66.5 of the IRR; (ii) enter into contract with the Procuring Entity; or (iii) post the required performance security within the period stipulated in the IRR and in accordance with **ITB** Clause 30;

ii) Causes the delay, without justifiable cause, of the screening for eligibility, opening of bids, evaluation and post evaluation of Bids, and awarding of contracts;

iii) Refuses to clarify or validate in writing its bid during post-qualification within a period of seven (7) calendar days from receipt of the request for clarification;

iv) Withdraws a bid, or refuses to accept an award, or refuses or fails to enter into contract with the Procuring Entity without justifiable cause, after the approval of the HoPE for having been the declared LCRB or MEARB, as the case may be;

v) Refuses or fails to furnish performance security within the prescribed time;

vi) Commits of three (3) or more of any of the acts imposed with suspension, as provided under Section 99 of the IRR;

vii) Uses force, fraudulent machinations, coercion, undue influence or pressure on any member of the BAC or any officer or employee of the Procuring Entity to take a particular action for its own favor or gain, or to the advantage of a particular bidder;

viii) Colludes with one (1) or more bidders and submitting different bids as if they were bona fide, when they knew that one or more of them was so much higher than the other that it could not be honestly accepted and that the contract will surely be awarded to the pre-arranged lowest bid;

ix) Maliciously submits different bids through two (2) or more persons, corporations, partnerships, or any other business entity in which it has interest, to create the appearance of competition that does not in fact exist so as to be declared as the winning bidder;

x) Enters into an agreement with other bidder/s which call upon one to refrain from bidding for procurement contracts, or which call for withdrawal of bids already submitted, or which are otherwise intended to secure an undue advantage to any of the bidders;

xi) Fails to faithfully disclose its relationship, regardless of the time of its discovery, with the HoPE, members of the BAC, the TWG, and the BAC Secretariat, the head of the PMO or the End-User or Implementing Unit, and the project consultants of the Procuring Entity, or of the procurement agent, whichever is applicable, by consanguinity or affinity up to the third civil degree pursuant to Section 81 of the IRR;

xii) Submits beneficial ownership information containing false entries;

xiii) Allows the use of one's name or uses the name of another for purposes of public bidding;

xiv) Submits eligibility requirements and bids containing false information or falsified documents or the concealment of such

information that will materially alter the outcome of eligibility screening or any stage of the procurement;

xv) Accesses the contents of any Bid submitted to the Procuring Entity before the opening of bids, without authorization;

xvi) Has any documented attempt to unduly influence the outcome of the bidding;

xv) Employs schemes which stifle or suppress any procurement activity; or

xvi) Commits a third offense imposed with blacklisting under the Act by the same Procuring Entity, or a combination of three (3) violations imposed with blacklisting by the Procuring Entity and other Procuring Entities, as posted on the GPPB portal;

b) If a Winning Bidder:

i) Conducts poor performance or unsatisfactory quality and/or progress of work. Poor performance shall be as follows:

i.i) Negative slippage of fifteen percent (15%) and above within the critical path of the project due entirely to the fault or negligence of the winning bidder; or

i.ii) Non-compliance of the materials and workmanship with the approved specifications arising from the fault or negligence of the winning bidder.

ii) In case it is determined prima facie that the winning bidder has engaged, before or during the implementation of the contract, in the following unlawful deeds and behaviors relative to contract acquisition and implementation:

ii.i) Corrupt, fraudulent, collusive and coercive practices;

ii.ii) Drawing up or using forged documents; or

ii.iii) Using adulterated materials, means or methods, or engaging in production contrary to rules of science or trade.

iii) Assigns or subcontracts the contract or any part thereof or substituting key personnel named in the proposal without prior written approval by the Procuring Entity;

iv) Willfully or deliberately abandons or does not perform the project or contract by the winning bidder resulting in substantial breach thereof without lawful and/or just cause;

v) Has its contract terminated due to its default or unlawful acts; or

vi) Fails to comply with the provision on warranty that requires to repair any noted defect or damage to the Infrastructure Project

due to the use of materials of inferior quality within ninety (90) calendar days from the issuance of the order by the HoPE to undertake such repairs.

17) Format and Signing of Bids

17.1 Bidders shall submit their bids through their duly authorized representative using the appropriate forms provided in Section IX. Philippine Bidding Documents Related Forms on or before the deadline specified in the **ITB** Clause 19 in two (2) separate sealed bid envelopes which shall be submitted simultaneously, whether through manual or online submission. The first shall contain the technical component of the bid, including the eligibility requirements under **ITB** Clause 12, and the second shall contain the financial component of the bid.

17.2 Forms as mentioned in **ITB** Clause 17.1 must be completed without any alterations to their format. No substitute form shall be accepted.

17.3 Each and every page of the Bid Form, including the Bill of Quantities, under Section IX hereof, shall be signed by the duly authorized representative/s of the Bidder. Failure to do so shall be a ground for the rejection of the bid.

17.4 Any insertions, erasures, or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the Bidder.

18) Sealing and Marking of Bids

18.1 Bidders shall enclose their technical documents described in **ITB** Clause 12 in one sealed envelope marked “TECHNICAL COMPONENT,”, and the financial component in another sealed envelope marked “FINANCIAL COMPONENT,”, sealing them all in an outer envelope marked “BID.”

18.2 The Bid shall be typed or written in ink and shall be signed by the Bidder or its duly authorized representative/s.

18.3 All envelopes shall:

a) contain the name of the contract to be bid in capital letters;

b) bear the name and address of the Bidder in capital letters;

c) be addressed to the Procuring Entity’s BAC in accordance with **ITB** Clause 18.1;

d) bear the specific identification of this bidding process indicated in the **ITB** Clause 1.1; and

e) bear a warning “DO NOT OPEN BEFORE…” the date and time for the opening of bids, in accordance with **ITB** Clause 19.

18.4 For manually submitted bid envelopes that are not properly sealed and marked, as required in the Bidding Documents, the same shall be accepted; Provided, That the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. On the other hand, unsealed or unmarked

bid envelopes, or bids that cannot be opened or corrupted in case of online submission, shall be rejected.

The BAC shall assume no responsibility for misplaced or lost contents of the improperly sealed or marked bid, or for its premature opening.

D. Submission and Opening of Bids

19) Deadline for Submission of Bids

Bids must be received by the Procuring Entity's BAC at the address indicated in the **Invitation to Bid,** or through the e-bidding facility of the PhilGEPS, on or before the date and time indicated in the **BDS**.

20) Late Bids

Bids, including the eligibility requirements, submitted after the deadline shall be rejected by the BAC. The BAC shall record in the Minutes of the Meeting the submission and opening of bids, the Bidder's name, its representative, and the time the late bid was submitted.

21) Modification and Withdrawal of Bids

21.1 Bidders may modify their bids before the deadline for the submission and receipt of bids.

a) For manual submission and receipt of bids, the Bidders shall not be allowed to retrieve their original bid, but shall only be allowed to submit the bid modification by sending another bid, equally sealed, properly identified, linked to its original bid, and marked as a "modification," thereof, and stamped "received" by the BAC. Bid modifications received after the applicable deadline shall not be considered and shall be returned to the bidder unopened.

b) For online submission of bids, the Bidders shall not be allowed to retrieve their original Bid, but shall only be allowed to submit the bid modification, send another Bid equally secured, properly identified labelled as a "modification" of the one previously submitted. The time indicated in the latest bid receipt page generated shall be the official time of submission. Bids modification submitted after the applicable deadline shall not be accepted.

21.2 Bidders may withdraw their bids in writing before the deadline for submission and receipt of bids. Withdrawal of bids after the applicable deadline shall be subject to appropriate sanctions as prescribed in the IRR.

Bidders may also express their intention not to participate in the bidding in writing, which should be received by the BAC before the deadline for submission and receipt of bids. Bidders that withdraw their bids shall no longer be allowed to submit another bid for the same contract, directly or indirectly.

21.3 No bid may be modified after the deadline for submission and receipt of bids. Further, no bid may be withdrawn in the interval between the deadline for submission and receipt of bids, and the expiration of bid validity specified by the Bidder in the Financial Bid Form. Withdrawal of bid during this interval shall

result in the forfeiture of the Bidder's Bid Security pursuant to **ITB** Clause 16.5, and the imposition of administrative sanctions as prescribed by RA No. 12009 and without prejudice to the imposition of civil and criminal sanctions as provided under applicable laws.

Alternative Bids shall be rejected. For this purpose, Alternative Bid shall pertain to an offer made by a bidder in addition or as a substitute to its original bid, which may be included as part of its original bid or submitted separately. A bid with options shall likewise be considered an Alternative Bid regardless of whether said bid proposal is contained in a single envelope or submitted in two (2) or more separate bid envelopes.

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.

Each Bidder shall submit only one Bid, either individually or as a partner in a JV. A Bidder who submits or participates in more than one bid (other than as a subcontractor if a subcontractor is permitted to participate in more than one bid) will cause all the proposals with the Bidder's participation to be disqualified. This shall be without prejudice to any applicable criminal, civil and administrative penalties that may be imposed upon the persons and entities concerned.

22) Opening and Preliminary Examination of Bids

22.1 The BAC shall open the bids in public, immediately after the deadline for submission and receipt of bids, as specified in the **BDS**. In case the Bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the submitted Bids and reschedule the opening of Bids on the next working day or at the soonest possible time, through the issuance of a Notice of Postponement to be posted on the PhilGEPS website and the website of the Procuring Entity concerned.

22.2 The manner of opening of the bids for Infrastructure Projects shall depend on the award criterion to be adopted, as follows:

a) For LCRB and MEARB, the BAC shall open the technical and financial proposals on the same day; and

b) For MARB, only the technical proposals shall be opened while the financial proposals shall remain unopened and shall be kept securely by the BAC until the specified time of their opening as indicated in the **BDS**. Only the financial proposals of the bidders who have met the highest technical score for MAB shall be opened.

22.3 The Procuring Entity shall prepare the minutes of the proceedings of the bid opening that shall include, as a minimum: (a) names of Bidders, their bid price (per lot, if applicable, and/or including discount, if any), bid security, findings of preliminary examination, and whether there is a withdrawal or modification; and (b) attendance sheet. The BAC members shall sign the abstract of bids as read.

22.4 The Bidders or their duly authorized representatives may attend the opening of bids. The BAC shall ensure the integrity, security, and confidentiality of all

submitted bids. The Abstract of bids, as read, and the minutes of the bid opening shall be made available to the public, upon written request and payment of a specified fee to recover the cost of materials.

22.5 To ensure transparency and accurate representation of the bid submission, the BAC Secretariat shall notify in writing all bidders whose bids it has received through mail at its PhilGEPS-registered physical address or official e-mail address. The said notice shall be issued within seven (7) calendar days from the date of the bid opening.

E. Evaluation and Comparison of Bids

23) Process to be Confidential

23.1 Members of the BAC, its staff and personnel, Secretariat, and TWG, as well as Observers, are prohibited from making or accepting any communication with any bidder regarding the evaluation of their bids until the issuance of the Notice of Award, unless otherwise allowed in the case of **ITB** Clause 24.

23.2 Any effort by a Bidder to influence the Procuring Entity in the Procuring Entity's decision in respect of bid evaluation, bid comparison or contract award will result in the rejection of the bid.

24) Clarification of Bids

To assist in the evaluation, comparison, and post-qualification of the bids, the Procuring Entity may ask in writing any Bidder for a clarification of its bid. All responses to requests for clarification shall be in writing. Any clarification submitted by a Bidder in respect to its bid that is not in response to the request of the Procuring Entity shall not be considered.

25) Detailed Evaluation and Comparison of Bids

25.1 The Procuring Entity's evaluation of bids shall be based on the bid price quoted in the Bid Form, which includes the Bill of Quantities.

25.2 The Procuring Entity will undertake the detailed evaluation and comparison of the bids which have passed the opening and preliminary examination of bids, pursuant to **ITB** Clause 22, to determine the Lowest Calculated Bid (LCB), Most Economically Advantageous Bid (MEAB), and Most Advantageous Bid (MAB).

25.3 The award criterion shall be determined as follows:

a) For LCB:

i) The detailed evaluation of the financial component of the bids, to establish the correct calculated prices of the bids; and

ii) The ranking of the total bid prices as so calculated from the lowest to highest, where the bid with the lowest price shall be identified as the LCB.

b) For MEAB, the BAC shall evaluate the quality and price proposals to determine the MEAB using the following steps:

i) The quality proposal together with the price proposal shall be considered in the evaluation of bids. The quality proposals shall be evaluated first using the criteria in the **BDS**. The price proposals of the bids that meet the minimum quality score shall then be opened.

ii) The price and quality proposals shall be given corresponding weights with the price proposal given a minimum weight of fifteen percent (15%) up to a maximum of forty percent (40%). The weight of the quality criteria shall be adjusted accordingly such that their total weight in percent together with the weight given to the price proposal shall be equal to one hundred percent (100%).

iii) To further promote green public procurement, the sustainability of materials or structures with green specifications shall be given greater weight in the evaluation of bids. As approved by the BAC, the exact weights shall be indicated in the **BDS.** The BAC shall rank the bidders in descending order based on the combined numerical ratings of their quality and price proposals. The bidder with the best overall score using the quality-price ratio shall be referred to as the MEAB.

iv) The HoPE shall approve or disapprove the recommendations of the BAC within two (2) calendar days after receipt of the results of the evaluation from the BAC.

The quality component shall be assessed on the basis of criteria with corresponding numerical weights indicated in the **BDS**, which may include qualitative, environmental, or social aspects linked to the subject matter of the contract. These may include any or a combination of the following:

a) Quality and technical merit, including technical competence and a credible track record;

b) Aesthetic and functional design and characteristics;

c) Approach and methodology;

d) Accessibility;

e) Tools and equipment;

f) Social, environmental, economic, and innovative characteristics;

g) Organization, qualification, and experience of employees or staff assigned to perform the contract;

h) Ongoing contracts and work commitments; or

i) Other relevant criteria in relation to the subject Infrastructure Projects to be procured.

c) For MAB

i) The BAC shall evaluate the quality proposals to determine the MAB using the quality components. The quality components shall be

assessed on the basis of the criteria with corresponding numerical weights indicated in the **BDS** to determine the bidder with the highest technical rating.

ii) The second bid envelope of the bidder obtaining the highest technical rating shall be opened. If the financial proposal is equal to or lower than the ABC, the bid shall be accepted and determined as the MAB; otherwise, the same shall be rejected and the bidder will be disqualified.

25.4 In order to eliminate bias in evaluating the quality proposals, it is recommended that the highest and lowest scores for each bidder for each criterion shall not be considered in determining the average scores of the bidders, except when the evaluation is conducted in a collegial manner.

25.5 The BAC shall immediately conduct a detailed evaluation of all bids using non-discretionary criteria in considering the following:

a) Completeness of the bid. Unless the **BDS** allows partial bids, bids not addressing or providing all of the required items in the BDS shall be considered non-responsive and, thus, automatically disqualified.

However, when no price or a zero (0) or a dash (-) is indicated in a required item in the bid form, the same shall be construed that it is being offered for free to the Government, except those required by law or regulations to be provided for; and

b) Arithmetical corrections. The BAC shall consider computational errors and omissions to enable proper comparison of all eligible bids. It may also consider bid correction if expressly allowed in the **BDS**. Any adjustment shall be calculated in monetary terms to determine the calculated prices.

25.6 Based on the detailed evaluation of bids, those that comply with the above-mentioned requirements shall be ranked in the ascending order of their total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications, to identify the LCB, MEAB, or MAB. Total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications, which exceed the ABC shall not be considered, unless otherwise indicated in the **BDS**.

25.7 The BAC shall evaluate all bids on an equal footing to ensure fair and competitive bid comparison. For this purpose, all bidders shall be required to include in their bids the cost of all taxes, such as, but not limited to, value-added tax (VAT), income tax, local taxes, and other fiscal levies and duties. Such bids, including said taxes, shall be the basis for the bid evaluation and comparison.

25.8 If so indicated pursuant to **ITB** Clause 1.1, bids may be submitted for individual lots, or for any combination thereof, provided that all bids and combinations of bids 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 prices quoted shall correspond to all of the requirements specified for each lot. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately. The basis for evaluation of lots is specified in **BDS** Clause 25.5 (a).

26) Post - Qualification

26.1 The BAC shall determine to its satisfaction whether the Bidder that is evaluated as having submitted the LCB, MEAB, or MAB, as the case may be, complies with and is responsive to all the requirements and conditions specified in **ITB** Clauses 5 and 12. The Bidder, within a non-extendible period of five (5) calendar days from receipt of notice from the BAC that it submitted the LCB, MEAB, or MAB, shall submit all the eligibility documents supporting its PhilGEPS Certificate of Registration (Platinum Membership), its latest income and business tax returns filed for the preceding quarter which should not be earlier than two (2) quarters from the date of submission and receipt of bid, and other appropriate licenses and permits required by law and stated in the **BDS**.

26.2 Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the Bidder for award; Provided, That in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the Bid Security.

26.3 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted pursuant to **ITB** Clause 12, as well as other information as the Procuring Entity deems necessary and appropriate, using a non-discretionary "pass/fail" criterion, which shall be completed within a period of twelve (12) calendar days.

26.4 If the BAC determines that the bidder with the LCB, MEAB, or MAB passes all the criteria for post-qualification, it shall declare the said bid as the LCRB, MEARB, MARB, SCB, SEAB, or Single Advantageous Bid (SAB) and recommend to the HoPE the award of contract to the said bidder at its submitted bid price or its calculated bid price, whichever is lower or, in the case of quality-based evaluation procedure, submitted bid price or its negotiated price, whichever is lower.

If, however, the BAC determines that the bidder with the LCB, MEAB, MAB, SCB, SEAB, or SAB fails to meet the post-qualification criteria, it shall immediately notify the Bidder in writing of its post-disqualification and the grounds for such determination.[5]

26.5 Immediately after the BAC has notified the first bidder of its post-disqualification, and notwithstanding any pending request for reconsideration thereof, the BAC shall initiate and complete the same post-qualification process on the bidder with the second LCB, MEAB, or MAB. If the second bidder passes the post-qualification and provided that the request for reconsideration of the first bidder has been denied, the second bidder shall be post-qualified as the bidder with the LCB, MEAB, or MAB.

26.6 If the second bidder, however, fails the post-qualification, the procedure for post-qualification shall be repeated for the bidder with the next LCB, MEAB, or MAB and so on, until the LCRB, MEARB, or MARB, as the case may be, is determined for award, subject to the procedure of Notice and Execution of Award.

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[5] Sec 63.5 of the IRR.

26.7 Within a period not exceeding ten (10) calendar days from the determination by the BAC of the LCRB, MEARB, MARB, SCRB, SEARB, or SARB and the recommendation to award the contract, the HoPE or its duly authorized representative shall approve or disapprove the said recommendation.

26.8 In case of approval, the HoPE or its duly authorized representative shall immediately issue the Notice of Award to the bidder with the LCRB, MEARB, MARB, SCRB, SEARB, or SARB, as the case may be.

In the event that the approving authority shall disapprove the resolution on the award of the contract, such disapproval shall be based only on valid, reasonable, and justifiable grounds as enumerated under Section 70 of the IRR to be expressed in writing. A copy of the decision disapproving the resolution shall be furnished to the BAC and the bidder.

27) Reservation Clause

27.1 Notwithstanding the eligibility or post-qualification of a bidder and without incurring any liability, the HoPE or its duly authorized representative at any stage of the procurement, reserves the right to review its qualifications, reject any and all bids, declare a failure of bidding or not award the contract in the following situations:

a) If it has reasonable grounds to believe that a misrepresentation has been made by the said bidder; or

b) If it has reasonable grounds to believe that there has been a change in the bidder's capability to undertake the project from the time it submitted its eligibility requirements.

Should such review uncover any misrepresentation made in the eligibility and bidding requirements, statements or documents, or any changes in the situation of the Bidder which will adversely affect its capability to undertake the Project so that it no longer meets the prescribed eligibility or bid evaluation criteria, the Procuring Entity shall consider the said Bidder as ineligible and disqualify it from participating further in the bidding process or being awarded the contract.

27.2 Based on the following grounds, the HoPE or its duly authorized representative reserves the right to reject any and all Bids, declare a Failure of Bidding at any time prior to the contract award, or not to award the contract, without thereby incurring any liability, and make no assurance that a contract shall be entered into as a result of the bidding:

a) If there is *prima facie* evidence of collusion between appropriate public officers or employees of the Procuring Entity, or between the BAC and any of the bidders, or if the collusion is between or among the bidders themselves, or between a bidder and a third party, including any act which restricts, suppresses or nullifies or tends to restrict, suppress or nullify competition or influences or tends to influence the bidding process;

b) If the BAC is found to have failed in complying with the applicable law or in following the prescribed bidding procedures; or

c) If there are any justifiable and reasonable ground where the award of the contract will not redound to the benefit of the government, in instances where (i) the physical and economic conditions have significantly changed so as to render the project no longer economically, financially or technically feasible as determined by the HoPE; (ii) the Project is no longer necessary as determined by the HoPE; and (iii) the source of funds for the Project has been withheld or reduced through no fault of the Procuring Entity.

F. Award of Contract

28) Contract Award

28.1 Subject to **ITB** Clause 26, the HoPE or its duly authorized representative shall award the contract to the Bidder whose bid has been determined to be the LCRB, MEARB, MARB, SCRB, SEARB, or SARB, as the case may be.

28.2 Prior to the expiration of the period of bid validity, the Procuring Entity shall notify the winning Bidder in writing that its bid has been accepted, through a Notice of Award duly received by the Bidder or its representative personally or by registered mail or electronically, receipt of which must be confirmed in writing within two (2) days by the Bidder with the LCRB, MEARB, MARB, SCRB, SEARB, or SARB, as applicable, and submitted personally or sent by registered mail or electronically to the Procuring Entity.

28.3 Within ten (10) calendar days from receipt by the winning bidder of the Notice of Award, the following conditions should be complied with before the contract may be awarded:

a) Submission of the following documents:

i) Valid JVA, if applicable;

ii) The SEC Certificate of Registration of the foreign corporation, if applicable; or

iii) Valid PCAB license and registration for the type and cost of the Project for foreign bidders when the Treaty or International or Executive Agreement expressly allows submission of such license and registration as a pre-condition to the Notice of Award.

b) Posting of the performance security in accordance with **ITB** Clause 30; and

c) Signing of the contract as provided in **ITB** Clause 29.

29) Signing of the Contract

29.1 Within ten (10) calendar days from receipt of the Notice of Award, the winning Bidder shall post the required performance security, sign and date the contract, and return it to the Procuring Entity.

29.2 The Procuring Entity shall enter into a contract with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.

29.3 The following documents shall form part of the contract:

a) Contract Agreement;

b) Bidding Documents;

c) Winning Bidder's bid, including the technical and financial proposals, and all other documents/statements submitted (*e.g.,* Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

d) Performance Security;

e) Notice of Award of Contract; and

f) Other contract documents that may be required by existing laws and/or specified in the **BDS**.

30) Performance Security

30.1 To guarantee the faithful performance by the winning bidder of its obligations under the contract, it shall post a performance security prior to the signing of the contract. Furthermore, the successful bidder shall be required to update the performance security posted before to the issuance of a variation order, if any.

30.2 Sectors enumerated under Section 76.1[6] of the IRR may be allowed to post Performance Securing Declaration (PSD) as specified in the **BDS.**

30.3 The performance security shall be in a form selected by the Procuring Entity in the amount indicated in the **BDS**, which shall not be less than the percentage of the total contract price in accordance with the following price schedule:

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[6] Section 76.1. *The GPPB, once data is available from relevant agencies, shall maintain a registry of entities belonging to the following sectors:*
a) Farmers as certified by the Department of Agriculture (DA);
b) Fisherfolk as certified by the Bureau of Fisheries and Aquatic Resources (BFAR);
c) Persons with disabilities as certified by the National Council for Disability Affairs (NCDA) pursuant to RA No. 7277, otherwise known as the Magna Carta for Disabled Persons, as amended;
d) Solo parents as certified by the Department of Social Welfare and Development (DSWD); e) Microenterprises and social enterprises as certified by the MSMED Council;
f) Startups, spin-offs, and other forms of entity involved in science, technology, and innovation activities as certified by the DTI, DICT, NIC or the Department of Science and Technology (DOST), as may be applicable;
g) Cooperatives duly registered with the CDA pursuant to RA No. 6938, otherwise known as the Cooperative Code of the Philippines, as amended; and
h) Other relevant sectors as may be determined by the GPPB to ensure inclusivity and diversity in the procurement process.

Form of Performance Security	Amount of Performance Security (Not less than the Percentage of the Total Contract Price)
a) Cash or Cashier's or Manager's check issued by a bank. *For biddings conducted by LGUs, the cashier's or manager's check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.*	Ten percent (10%)
b) Bank draft or guarantee or irrevocable Letter of Credit issued by a local bank. If issued by a foreign bank, it shall be confirmed or authenticated by a local bank.	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the IC as authorized to issue such security.	Thirty Percent (30%)

30.4 The performance security shall be denominated in Philippine Peso and posted in favor of the Procuring Entity, which shall be forfeited in the event it is established that the winning bidder is in default in any of its obligations under the contract.

31) Notice to Proceed

The Procuring Entity shall issue the Notice to Proceed to the winning Bidder not later than three (3) calendar days from the date of approval of the contract by the appropriate signatories. All notices called for by the terms of the contract shall be effective only at the time of receipt thereof by the successful Bidder.

32) Protest Mechanism

Decisions of the BAC in all stages of procurement may be protested to the HoPE in accordance with Section 83 of the IRR.

Section III. Bid Data Sheet

Notes on the Bid Data Sheet

This Section is intended to assist the Procuring Entity in providing specific information relative to corresponding clauses in the ITB included in Section II. Instructions to Bidders, and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS the information and requirements relevant to the circumstances of the Procuring Entity, including procurement processing details; the applicable rules regarding bid price and currency; and the bid evaluation criteria that will apply to the bids. In preparing Section III, the following aspects should be checked:

a) Information that specifies and complements provisions of

Invitation to Bid: ***CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS***

The ***PALAWAN STATE UNIVERSITY*****,** through the *FUND 101, FY 2026 intends* to apply the sum of *P15,000,000.00 being* the Approved Budget for the Contract (ABC) to payments under the contract **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS** *and* ***[PSU-INFRA-2026-005].*** Bids received in excess of the ABC shall be automatically rejected at bid opening.

11. The ***PALAWAN STATE UNIVERSITY*** now invite bids for the above Procurement Project. Completion of the Works is required for *210 CD*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

12. Bidding will be conducted through competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the IRR, otherwise known as the "New Government Procurement Act (NGPA)".

13. Interested Bidders may obtain further information from ***PALAWAN STATE UNIVERSITY*** and inspect the Bidding Documents at the address *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300. From 8:00 AM TO 7:00 PM Monday to Thursday.*

14. A complete set of Bidding Documents may be acquired by interested bidders on ***August 27, 2026 starting 8:00 AM to 7:00 PM (Monday to Thursday) until 09:00 AM September 15, 2026*** *from* given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of* ***Twenty -Five Thousand (25,000.00)***. It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the

website of the PALAWAN STATE UNIVERSITY, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

15. The *PALAWAN STATE UNIVERSITY will* hold a Pre-Bid Conference ***September 03, 2026, 1:00 PM*** at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* which shall be open to prospective bidders.

16. Bids must be duly received by the BAC Secretariat through manual submission at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* on or ***before 09 o'clock in the morning*** on ***September 15, 2026***. Late bids shall not be accepted.

17. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

18. Bid opening shall be on ***10: 00 AM*** *on* ***September 15, 2026.*** at *Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300.* Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

19. The ***Head of the Procuring Entity (HOPE),*** *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 Section 70 of R.A. No. 12009, without thereby incurring any liability to the affected bidder or bidders.*

20. For further information, please refer to:

MR. FRANCISCO III O. BALUYUT
a. *Office of the Bids and Awards Committee*
b. *Ground floor, Administration Building, Palawan State University*
c. *Puerto Princesa City, 5300*
d. *procurement@psu.palawan.edu.ph*
e. *09394619011*

27 August 2026

DR. MAILA N. LUCERO
BAC Chairperson for Infra

Section II. Instructions to Bidders must be incorporated; and

b) Amendments and/or supplements, if any, to provisions of

Invitation to Bid: ***CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS***

The ***PALAWAN STATE UNIVERSITY*****,** through the *FUND 101, FY 2026 intends* to apply the sum of *P15,000,000.00 being* the Approved Budget for the Contract (ABC) to payments under the contract **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS** *and* ***[PSU-INFRA-2026-005].*** Bids received in excess of the ABC shall be automatically rejected at bid opening.

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24. A complete set of Bidding Documents may be acquired by interested bidders on ***August 27, 2026 starting 8:00 AM to 7:00 PM (Monday to Thursday) until 09:00 AM September 15, 2026*** *from* given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of*

Twenty -Five Thousand (25,000.00). It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the PALAWAN STATE UNIVERSITY, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

25. The *PALAWAN STATE UNIVERSITY will* hold a Pre-Bid Conference ***September 03, 2026***, ***1:00 PM*** at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* which shall be open to prospective bidders.

26. Bids must be duly received by the BAC Secretariat through manual submission at *Procurement Office, Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300,* on or ***before 09 o'clock in the morning*** on ***September 15, 2026***. Late bids shall not be accepted.

27. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

28. Bid opening shall be on ***10: 00 AM*** *on* ***September 15, 2026.*** at *Ground Floor, Administration Building, Palawan State University, Puerto Princesa City, 5300.* Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

29. The ***Head of the Procuring Entity (HOPE),*** *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 Section 70 of R.A. No. 12009, without thereby incurring any liability to the affected bidder or bidders.*

30. For further information, please refer to:

MR. FRANCISCO III O. BALUYUT

a. *Office of the Bids and Awards Committee*
b. *Ground floor, Administration Building, Palawan State University*
c. *Puerto Princesa City, 5300*
d. *procurement@psu.palawan.edu.ph*
e. *09394619011*

27 August 2026

DR. MAILA N. LUCERO
BAC Chairperson for Infra

Section II. Instructions to Bidders as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

ITB Clause	
1.1	The Procuring Entity is *PALAWAN STATE UNIVERSITY* The Project title is **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS** The identification number of the Contract is ***PSU-INFRA-2026-005***
2	The Funding Source is: 2.1 The GOP through the source of funding as indicated below for ***FY 2026*** in the amount of **Php 15,000,000.00** 2.2 The source of funding is: NGA, the General Appropriations Act or Special Appropriations.
3.1	No further instructions.
5.2	Bidding is restricted to eligible bidders as defined in ITB Clause 5.2.
5.4	Contracts similar to the Project shall be those described as follows: Statement of Single Largest Completed Contract SLCC Similar to the Contract To be bid with an amount Equivalent to or at least 50% of the ABC within the last ten (10) years. The bidder must have completed an SLCC that is similar to the contract to be bid, and whose value, adjusted to current prices using the PSA consumer price indices, must be at least fifty percent (50%) of the ABC to be bid: *Provided, however*, that contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.
7	No further instructions.
8.1	*"*Subcontracting is not allowed.*"*
8.3	*"*Not applicable."
8.4	*"*Subcontracting is not allowed.*"*
9.1	The PALAWAN STATE UNIVERSITY will hold a Pre-Bid Conference **September 03, 2026, 1:00 PM** at Procurement Office, Ground Floor,

	Administration Building, Palawan State University, Puerto Princesa City, 5300, which shall be open to prospective bidders.
10.1	The Procuring Entity's address is at: • *MR. FRANCISCO III O. BALUYUT* • *Office of the Bids and Awards Committee* • *Ground floor, Administration Building, Palawan State University* • *Puerto Princesa City, 5300* • *procurement@psu.palawan.edu.ph* • *09394619011*
12.1(h)(ii)	The minimum work experience requirements for key personnel are the following: Key Personnel — General Experience — Relevant Experience 1. Project Manager — 2 years — Project Manager in a similar project 2. Project Engineer — 2 years — Project Engineer in a similar project 3. Materials Engineer — 2 years — Materials Engineer in a similar Project 4. Safety officer — 2 years — Safety Officer in a similar project 5. Foreman — 2 years — Foreman in a construction project
12.1(h)(iii)	The minimum major equipment requirements are the following: Equipment — Capacity — Number of Units Excavator Walk Behind Compactor Angle Grinder Welding Machine Gasoline Power Trowel (36") (Main Slab Finish) Portable Air Compressor (2HP) with spray gun and 15 air hose Bar Cutter 1 bagger mixer Concrete Vibrator Bar Bender
12.4	The ABC is ***Php 15,000,000.00*** *Any* bid with a financial component exceeding this amount shall not be accepted.
14.1	The bid prices shall be quoted in Philippine Peso.
14.3	Not applicable
15.1	Bids will be valid for *120 Calendar* days from bid opening.
16.1	The Bid Security shall be in the form of a Bid Securing Declaration, and choose at least two (2) from any of the following: The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:

	The amount of not less than Php 300,000.00 (2%) of Php 15,000,000.00, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit. The amount of not less than Php 750,000.00 (5%) of Php 15,000,000.00, if bid security is in Surety Bond.
16.2	The Bid Security shall be valid until *120 Calendar Days.*
16.3	*In case of extension of bid validity and bid security validity period,* Substitution of the bid security form is allowed. Bid Securing Declaration and the following forms may be used: *[choose at least two (2)]* a) Cash or Cashier's or Manager's Check issued by a Bank. b) Bank draft/guarantee or irrevocable Letter of Credit issued by a Bank: Provided, however, that it shall be confirmed or authenticated by a local Bank, if issued by a foreign bank. c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security."
19	The address for submission of bids is *at:* • *Office of the Bids and Awards Committee* • *Ground floor, Administration Building, Palawan State University* • *Puerto Princesa City, 5300* • *procurement@psu.palawan.edu.ph* • *09394619011* The deadline for submission of bids is Bid opening shall be on ***09: 00 AM on September 15, 2026,*** at *Ground Floor, Administration Building, Palawan State University.*
21.5	*No Value Engineering clause for this project*
22.1	The deadline for submission of bids is Bid opening shall be on ***09:00 AM on April 15, 2026*** at *Ground Floor, Administration Building, Palawan State University.*
22.2(b)	"Not applicable".

25.3 (b)(i)	The quality component shall be assessed on the basis of criteria with corresponding numerical weights, which may include qualitative, environmental, or social aspects linked to the subject matter of the contract. These may include any or a combination of the following: a) Quality and technical merit, including technical competence and a credible track record; b) Aesthetic and functional design and characteristics; c) Approach and methodology; d) Accessibility; e) Tools and equipment; f) Social, environmental, economic, and innovative characteristics; g) Organization, qualification, and experience of employees or staff assigned to perform the contract; h) Ongoing contracts and work commitments; i) After-sales service and technical assistance; j) Delivery conditions, such as delivery period and delivery process; k) Disposal measures; or l) Other relevant criteria in relation to the subject Goods or Infrastructure Projects to be procured.
25.3 (b)(iii)	*"Not applicable*
25.3(b)	*"Not applicable*
25.3 (c)(i)	*"Not applicable*
25.5 (a)	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
25.5 (b)	Bid correction is not allowed.
25.6	No further instructions.
26.1	*Specialty - Electrical Works is required if the Main Distribution Panel (MDP) is 200 AT and above.*

29.3(f)	*List 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* Program Evaluation and Review Technique (PERT), Critical Path Method (CPM) *or other acceptable tools of project scheduling.*
30.2	"Not applicable"
30.3	The Performance Security shall be in the form of: The amount of not less than **Php 1,500,000.00** ***10% of the Php*** **15,000,000.00***,* if performance security is in cashier's check.

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The GCC in Section IV, read in conjunction with the SCC in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

The GCC herein shall not be altered. Any changes and complementary information which may be needed shall be introduced only through the SCC in Section V.

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1) General Terms

In this Contract, the following terms shall be interpreted as indicated:

1.1 The **Intended Completion Date** refers to the date specified in the **SCC** when the Contractor is expected to have completed the Works. The intended Completion Date may be revised only by the Procuring Entity by issuing an extension of time or an acceleration order.

1.2 The **Procuring Entity** is the party who employs the Contractor to carry out the Works stated in the **SCC**.

1.3 The **Site** is the place provided by the Procuring Entity where the Works shall be executed and any other place or places which may be designated in the **SCC**, or notified to the Contractor by the Procuring Entity as forming part of the Site.

1.4 The **Start Date**, as specified in the **SCC**, is the date when the Contractor is obliged to commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.

1.5 **Work(s)** refer to the Permanent Works and Temporary Works to be executed by the Contractor in accordance with this Contract, including (i) the furnishing of all labor, materials, equipment and others incidental, necessary or convenient to the complete execution of the Works; (ii) the passing of any tests before acceptance by the Procuring Entity; (iii) and the carrying out of all duties and obligations of the Contractor imposed by this Contract as described in the **SCC.** In line with this, Temporary Works are works designed, constructed, and installed by the Contractor that are needed for construction or installation of the Permanent Works, which are subsequently removed.

2) Interpretation

2.1 In interpreting the Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of this Contract unless specifically defined. The Procuring Entity will provide instructions clarifying queries about the Conditions of Contract.

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

2.3 The documents forming this Contract shall be interpreted in the following order of priority:

a) Contract Agreement;

b) Bid Data Sheet;

c) Instructions to Bidders;

d) Addenda to the Bidding Documents;

e) Special Conditions of Contract;

f) General Conditions of Contract;

g) Specifications;

h) Bill of Quantities; and

i) Drawings.

3) Governing Language and Law

3.1 This Contract shall be interpreted in accordance with the laws of the Republic of the Philippines.

3.2 This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract. All correspondence and other documents pertaining to this Contract which are exchanged by the parties shall be written in English.

4) Communications

Communications between parties that are referred to in the Conditions shall be effective only if made in writing. A notice shall be effective only when it is received by the concerned party.

5) Possession of Site

5.1 On the date specified in the **SCC**, the Procuring Entity shall grant the Contractor possession of so much of the Site as may be required to enable it to proceed with 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 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.

5.2 If possession of a portion is not given by the date stated in the **SCC** Clause 1.3, 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 shall be in accordance with **GCC** Clause 44.

5.3 The Contractor shall bear all costs and charges for special or temporary right-of-way required by it in connection with access to the Site. The Contractor shall also provide at its own cost any additional facilities outside the Site required by it for purposes of the Works.

5.4 The Contractor shall allow the Procuring Entity and any person authorized by the Procuring Entity access to the Site and to any place where work in connection with this Contract is being carried out or is intended to be carried out.

6) The Contractor's Obligations

6.1 The Contractor shall carry out the Works properly and in accordance with this Contract. The Contractor shall provide all supervision, labor, Materials, Plant and Contractor's Equipment, which may be required. All Materials and Plant on Site shall be deemed to be the property of the Procuring Entity.

6.2 The Contractor shall commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program of Work submitted by the Contractor, as updated with the approval of the Procuring Entity, and complete them by the Intended Completion Date.

6.3 The Contractor shall be responsible for the safety of all activities on the Site.

6.4 The Contractor shall carry out all instructions of the Procuring Entity that comply with the applicable laws where the Site is located.

6.5 The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the **SCC**, 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.

6.6 If the Procuring Entity asks the Contractor to remove a member of the Contractor's staff or work force, for justifiable cause, the Contractor shall ensure that the person leaves the Site within seven (7) days and has no further connection with the Work in this Contract.

6.7 During Contract implementation, the Contractor and its subcontractors shall abide at all times by all labor laws, including child labor related enactments, and other relevant rules.

6.8 The Contractor shall submit to the Procuring Entity for consent the name and particulars of the person authorized to receive instructions on behalf of the Contractor.

6.9 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Procuring Entity between the dates given in the schedule of other contractors particularly when they shall require access to the Site. The Contractor shall also provide facilities and services for them during this period. The Procuring Entity may modify the schedule of other contractors, and shall notify the Contractor of any such modification thereto.

6.10 Should anything of historical or other interest or of significant value be unexpectedly discovered on the Site, it shall be the property of the Procuring Entity. The Contractor shall notify the Procuring Entity of such discoveries and carry out the Procuring Entity's instructions in dealing with them.

7) Subcontracting

7.1 Unless otherwise indicated in the **SCC**, the Contractor shall not subcontract portions of the Works beyond the percentage specified in **BDS** Clause 8.1. If subcontracting is allowed, the arrangement, including the timing for submission of the subcontractor's eligibility documents, shall be disclosed.

7.2 For subcontracting arrangements, the following rules shall apply for both locally-funded projects and to projects financed through Official Development Assistance, except those covered by treaty, or international, or executive agreements:

a) The subcontracted portion of the contract shall be subject to the approval of the HoPE and the following conditions:

i) The subcontracted portion shall not exceed fifty percent (50%), or a different percentage on a per project basis as approved by the GPPB. The threshold percentages fixed herein shall be subject to the periodic review and adjustments as may be deemed appropriate by the GPPB; and

ii) The subcontracted portion shall be limited to components that are not deemed "significant or material" to the project as determined by the Procuring Entity.

b) Subcontracting arrangement, if allowed, including the time of submission of the eligibility documents of the subcontractor, shall be disclosed in the Bidding Documents;

c) Subcontractors must meet the eligibility criteria and shall submit the same eligibility documents as the general contractor.

Failure of a subcontractor to meet the eligibility criteria does not affect the eligibility of the general contractor for the procurement project. In such case, the portion intended to be subcontracted to the ineligible subcontractor shall be assumed by the general contractor;

d) The general contractor shall remain liable for the subcontractor's actions, defaults, delays, and negligence;

e) The general contractor and the subcontractor are obliged to comply with the provisions of the contract and shall share liability, jointly and severally, in cases of violation of safety standards or other labor standards insofar as the subcontracted portion is concerned; and

f) For purposes of post-qualification in accordance with its objective and process under the IRR, the value of the entire completed and accepted Project, including the subcontracted portion, shall be credited as experience of the general contractor. In the case of the subcontractor, the following rules shall apply:

i) The subcontractor shall get credit for one hundred percent (100%) of the value of the subcontracted portion of the project performed;

ii) Subcontractors shall be eligible to concessional windows of GFIs that treat receivables from the government as loan security; the receivables of subcontractors due from their general contractor shall similarly be accepted as loan security by GFIs; and

iii) Contract performance monitoring, such as the use of CPES, among others, shall also be mandatorily applied to the work experience of the subcontractors.

8) Advance Payment

8.1 The Procuring Entity shall make an advance payment on the Contract Price 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**.

8.2 The advance payment shall be made only upon:

i) Written request of the contractor which shall form part of the contract document; and

ii) Submission of an irrevocable standby Letter of Credit of equivalent value from a bank as confirmed by the Procuring Entity; a bank guarantee; or a surety bond callable upon demand issued by a duly licensed surety or insurance company, at the option of the Procuring Entity.

8.3 The advance payment shall be recovered from the Contractor through deductions in amounts equivalent to the percentage of the total contract price that corresponds to the value of the advance payment granted.

8.4 Once a month, Contractors may submit documents, such as Monthly Certificates,[7] to show the progress or partial completion of a project. The Contractor may reduce its standby letter of credit or guarantee instrument by the amounts refunded by the Monthly Certificates, or any equivalent document subject to auditing and accounting rules, in the advance payment.

9) Progress Payments

9.1 Once a month, the Contractor may submit a statement of work accomplished (SWA) or progress billing and corresponding request for progress payment for work accomplished. The SWA should show the amounts which the Contractor considers itself to be entitled to up to the end of the month, to cover (i) the cumulative value of the Works it executed to date, based on the items in the Bill of Quantities, and (ii) adjustments made for approved Variation Orders executed. Alternatively, the Procuring Entity may require in the Bidding Documents that the SWA or progress billing and the corresponding request for progress payment may only be submitted upon actual completion of the Infrastructure Project or a specific portion, segment, milestone or phase thereof.

The Procuring Entity or Project Engineer shall check the Contractor's SWA and certify the amount to be paid to the Contractor as progress payment. Materials and equipment delivered onsite but not yet incorporated in the Works shall not be included for payment, except as otherwise stipulated in the **SCC**.

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[7] Commission on Audit (COA) Circular 2012-001.

9.2 The Procuring Entity shall deduct the following from the certified gross amounts to be paid to the Contractor as progress payment:

a) Cumulative value of the work previously certified and paid for.

b) Portion of the advance payment to be recouped.

c) Retention money in accordance with the conditions of the contract.

d) Amount to cover third-party liabilities.

e) Amount to cover uncorrected discovered defects in the Works.

9.3 Payments shall be adjusted by deducting therefrom the amounts for advance payments and retention. The Procuring Entity shall pay the Contractor the amounts certified by the Procuring Entity within twenty-eight (28) days from the date each certificate was issued. No payment of interest for delayed payments and adjustments shall be made by the Procuring Entity.

9.4 The first progress payment may be paid by the Procuring Entity to the Contractor, as indicated in the **SCC**; Provided, That at least a percentage of the Works has been accomplished as certified by the Procuring Entity and as indicated in the **SCC**.

9.5 Items of the Works for which a price of "0" (zero) has been entered will not be paid for by the Procuring Entity and shall be deemed covered by other rates and prices in the Contract.

10) Payment Documents

10.1 Subject to existing accounting and auditing rules and regulations,[8] the Contractor shall submit to the Procuring Entity monthly statements of the estimated value of the work executed less the cumulative amount certified previously.

10.2 The Procuring Entity shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.

10.3 The value of Work executed shall:

a) be determined by the Procuring Entity;

b) comprise the value of the quantities of the items in the Bill of Quantities completed; and

c) include the valuations of approved variations.

10.4 The Procuring Entity may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

[8] COA Circular No. 2012-001.

11) Retention

11.1 The Procuring Entity shall retain from each payment due to the Contractor an amount equal to a percentage thereof using the rate as specified in GCC Clause 11.2. The said amount will serve to guarantee indemnity for uncorrected discovered defects and third-party liabilities arising from this Contract. This retention money shall be utilized if the contractor fails to repair the discovered defects. Should the retention money be insufficient, the PE may forfeit the performance security, which may ultimately lead to the termination of the contract.[9]

11.2 Progress payments are subject to retention of ten percent (10%) referred to as the retention money. Such retention shall be based on the total amount due to the Contractor prior to any deduction and shall be retained from every progress payment until fifty percent (50%) of the value of the Works, as determined by the Procuring Entity, are completed.

If, after fifty percent (50%) completion, the work is satisfactorily done and on schedule, no additional retention shall be made; otherwise, the ten percent (10%) retention shall be imposed, which may be decreased to 5 percent (5%) by the Procuring Entity based on justifiable causes.[10]

11.3 The total retention money shall be due for release upon final acceptance of the Works. The Contractor may, however, request the substitution of the retention money for each progress billing with irrevocable standby Letters of Credit from a bank, bank guarantees or surety bonds callable on demand, of amounts equivalent to the retention money substituted for and acceptable to Government; Provided, That the project is on schedule and is satisfactorily undertaken. Otherwise, the ten (10%) percent retention shall be made. Said irrevocable standby letters of credit, bank guarantees and/or surety bonds, to be posted in favor of the Government shall be valid for a duration to be determined by the concerned implementing office/agency or Procuring Entity and will answer for the purpose for which the ten (10%) percent retention is intended, *i.e.*, to cover uncorrected discovered defects and third party liabilities.

11.4 On completion of the whole Works, the Contractor may substitute retention money with an “on demand” Bank guarantee in a form acceptable to the Procuring Entity.

12) Performance Security

12.1 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 winning Contractor shall furnish the performance security in any of the forms prescribed in **ITB** Clause 30 in relation to **BDS** Clause 30.2 and 30.3.

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9 Supreme Court rulings (e.g. New Bian Yek Commercial, Inc. vs. Office of the Ombudsman, et. al., GR No. 169338[2009], and Tondo Medical Center vs. Rante, G.R. No. 230645 [2019] have affirmed this purpose, stating that retention money is a form of security to ensure the satisfactory completion of works and to cover any defects or third-party claims that may arise after project completion.

10 Section 71.2.8 of the IRR.

12.2 The performance security posted in favor of the Procuring Entity shall be forfeited in the event it is established that the Contractor is in default in any of its obligations under the contract.

12.3 The performance security shall remain valid until issuance by the Procuring Entity of the Certificate of Final Acceptance. In case the performance security issued is valid for a specific period shorter than the term of the contract, including the defects liability period, the same shall be renewed or extended as often as necessary and immediately submitted to the Procuring Entity. In case of approved contract time extensions, the Contractor shall cause the extension of the validity of the performance security to cover the said extensions.

12.4 The performance security may be released by the Procuring Entity after the issuance of the Certificate of Final Acceptance; Provided, That the Procuring Entity has no claims filed against the performance security.

12.5 The Contractor shall post an additional performance security following the amount and form specified in **ITB** Clause 30 to cover any cumulative increase of more than ten percent (10%) over the original value of the contract as a result of change orders, extra work orders and supplemental agreements, as the case may be.

12.6 In case of a reduction in the contract value or for partially completed Works under the contract which are usable and accepted by the Procuring Entity the use of which, in the judgment of the implementing agency or the Procuring Entity, will not affect the structural integrity of the entire project, the Procuring Entity shall allow a proportional reduction in the original performance security, provided that any such reduction is more than ten percent (10%) and that the aggregate of such reductions is not more than fifty percent (50%) of the original performance security.

12.7 Unless otherwise indicated in the **SCC**, the Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to Act No. 3688[11] against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

13) Detailed Engineering and Site Investigation Reports

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

13.2 Detailed engineering shall proceed only on the basis of the feasibility or preliminary engineering study made which establishes the technical viability of the project and conformance to land use and zoning guidelines prescribed by existing laws. The findings contained in the feasibility study, if undertaken for the project, shall be examined. If, in the course of this exercise, it is found that amendments would be desirable in the design standards of principal features, as proposed, specific recommendations for such changes shall be supported

[11] Also known as "An Act for the Protection of Persons Furnishing Material and Labor for the Construction Of Public Works".

by detailed justifications, including their effects on the cost, and the economic justifications, if necessary.

13.3 A schedule of detailed engineering activities shall include the following:

a) Survey;

b) Site Investigation;

c) Soils and Foundation Investigation;

d) Construction Materials Investigation;

e) Preparation of Design Plans;

f) Preparation of Technical Specifications;

g) Preparation of Quantity and Cost Estimates;

h) Preparation of Scope of Work;

i) Preparation of Proposed Construction Schedule (and estimated Cash Flow for projects with Schedule over six (6) months;

j) Preparation of Site or Right-of-Way Plans including Schedule of Acquisition;

k) Preparation of Utility Relocation Plan;

l) Preparation and Submission of Design Report;

m) Environmental Impact Statement for critical project, as defined by the Department of Environment and Natural Resources;

n) Preparation of minimum requirements for a Construction Safety and Health Program for the project being considered;

o) Value Engineering Studies; and

p) Preparation of report on asset climate hazards, risk assessment, disaster response strategies, and readiness planning.

13.4 Work under detailed architectural and engineering design shall include, among others, the items stated in Section 8.3 of the IRR.

14) Licenses and Permits

The Procuring Entity may, if requested by the Contractor, assist him in applying for permits, licenses or approvals, which are required for the Works.

15) Contractor's Risk and Warranty Security

15.1 From the time project construction commenced up to final acceptance, the Contractor shall assume full responsibility for any damage or destruction of the works, except those occasioned by force majeure; and the 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.

15.2 The defects liability period for infrastructure projects shall be one (1) year from project completion up to final acceptance by the Procuring Entity. During this period, the Contractor shall undertake the repair works, at its own expense, of any damage to the Works 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.

15.3 The defects liability period shall be covered by the performance security of the Contractor required in Section 68 of the IRR, which shall guarantee that the Contractor performs its responsibilities stated in **GCC** Clause 15.1 Unless otherwise indicated in the **SCC**, in case the Contractor fails to comply with the preceding paragraph, 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 the IRR. All payables of the GoP in its favor shall be offset to recover the costs.

15.4 The following persons shall be held responsible for "Structural Defects," i.e., major faults or flaws or deficiencies in one or more key structural elements of the project which may lead to structural failure of the completed elements or structure, or "Structural Failures," i.e., where one or more key structural elements in an infrastructure facility fails or collapses, thereby rendering the facility or part thereof incapable of withstanding the design loads, and/or endangering the safety of the users or the general public:

a) Contractor – Where Structural Defects or Failures arise due to faults attributable to improper construction, use of inferior quality/substandard materials, and any violation of the contract plans and specifications, the Contractor shall be held liable;

b) Consultants – Where Structural Defects or Failures arise due to faulty and/or inadequate design and specifications as well as construction supervision, then the consultant who prepared the design or undertook construction supervision for the project shall be held liable;

c) Procuring Entity's Representatives or Project Manager or Construction Managers and Supervisors – The project owner's representative, project manager, construction manager, and supervisor shall be held liable in cases where the Structural Defects or Failures are due to their willful intervention in altering the designs and other specifications; negligence or omission in not approving or acting on proposed changes to noted defects or deficiencies in the design and/or specifications and the use of substandard construction materials in the project;

d) Third Parties - Third Parties shall be held liable in cases where Structural Defects or Failures are caused by work undertaken by them such as leaking pipes, diggings or excavations, underground cables and electrical wires, underground tunnel, mining shaft and the like, in which case the applicable warranty to such structure should be levied to third parties for their construction or restoration works; and

e) Users - In cases where Structural Defects or Failures are due to abuse or misuse by the End-User or Implementing Unit of the constructed facility and/or non–compliance by a user with the technical design limits and/or intended purpose of the same, then the user concerned shall be held liable.

15.5 The warranty against Structural Defects or Failures, except those occasioned by force majeure, shall cover the period specified in the **SCC** reckoned from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. On the other hand, such warranty shall likewise be applied against non-structural defects for instances that pertain to faults or deficiencies in non-load bearing components or finishes of the Project, such as minor cracks, leaks, or defects in workmanship or materials, which do not affect the stability or safety of the structure but may impact its appearance, functionality, or usability.

15.6 To guarantee that the Contractor shall perform its responsibilities, it shall be required to post a warranty security, which shall be stated in Philippine Peso, in the form chosen by the Procuring Entity in accordance with the following schedule:

Form of Warranty	**Amount of Warranty Security Not less than the Percentage (%) of Total Contract Price**
(a) Cash or letter of credit issued by bank; Provided, however, that the letter of credit shall be confirmed or authenticated by a local bank, if issued by a foreign bank. For biddings conducted by LGUs, the Letter of Credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument.	Five Percent (5%)
(b) Bank guarantee confirmed by bank. For biddings conducted by LGUs, the bank draft/guarantee may be issued by other banks certified by the BSP as authorized to issue such financial instrument.	Ten Percent (10%)
(c) Surety bond callable upon demand issued by GSIS or any surety or insurance company duly certified by the Insurance Commission	Thirty Percent (30%)

15.7 The warranty security shall be stated in Philippine Peso and shall remain effective within one (1) year from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity, and returned only after the lapse of the said one (1) year period. This one (1) year period shall cover both structural and non-structural defects or failures; Provided, That in cases of structural defects or failures, warranties beyond the one (1) year period shall be subject to applicable laws, rules, and regulations such as the New Civil Code of the Philippines.

15.8 In case of structural/non-structural defects or failure occurring during the applicable warranty period provided in **GCC** Clause 15.5, the Procuring Entity shall undertake the necessary restoration or reconstruction works and shall be entitled to full reimbursement by the parties found to be liable for expenses incurred therein upon demand, without prejudice to the imposition of administrative sanctions as prescribed by RA No. 12009 and without prejudice to the imposition of civil and criminal sanctions as provided under applicable laws against the responsible persons as well as the forfeiture of the warranty security posted in favor of the Procuring Entity.

16) Procuring Entity's Risk

16.1 From the Start Date until the Certificate of Final Acceptance has been issued, the following are risks of the Procuring Entity:

a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to:

i) any type of use or occupation of the Site authorized by the Procuring Entity after the official acceptance of the Works; or

ii) negligence, breach of statutory duty, or interference with any legal right by the Procuring Entity or by any person employed or contracted by it, except the Contractor.

b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Procuring Entity or in the Procuring Entity's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

17) Insurance

17.1 The Contractor shall, under its name and at its own expense, obtain and maintain, for the duration of this Contract, the following insurance coverage:

a) Contractor's All Risk Insurance, with an exception for Simple Infrastructure Projects, as applicable;

b) Transportation to the project Site of Equipment, Machinery, and Supplies owned by the Contractor;

c) Personal injury or death of Contractor's employees; and

d) Comprehensive insurance for third party liability to Contractor's direct or indirect act or omission causing damage to third persons.

17.2 The Contractor shall provide evidence to the Procuring Entity that the insurances required under this Contract have been effected and shall, within a reasonable time, provide copies of the insurance policies to the Procuring Entity.

17.3 The Contractor shall notify the insurers of changes in the nature, extent, or program for the execution of the Works and ensure the adequacy of the insurances at all times in accordance with the terms of this Contract and shall

produce to the Procuring Entity the insurance policies in force including the receipts for payment of the current premiums.

The above insurance policies shall be obtained from any reputable insurance company approved by the Procuring Entity.

17.4 If the Contractor fails to obtain and keep in force the insurances referred to herein or any other insurance required to be obtained under the terms of this Contract, the Procuring Entity may obtain and keep in force any such insurances and pay such premiums as may be necessary for the purpose. From time to time, the Procuring Entity may deduct the amount it shall pay for said premiums including twenty five percent (25%) therein from any monies due, or which may become due, to the Contractor, without prejudice to the Procuring Entity exercising its right to impose other sanctions against the Contractor pursuant to the provisions of this Contract.

17.5 In the event the Contractor fails to observe the above safeguards, the Procuring Entity may, at the Contractor's expense, take whatever measure is deemed necessary for its protection and that of the Contractor's personnel and third parties, and/or order the interruption of dangerous Works. In addition, the Procuring Entity may refuse to make the payments under **GCC** Clause 9 until the Contractor complies with this Clause.

17.6 The Contractor shall immediately replace the insurance policy obtained as required in this Contract, without need of the Procuring Entity's demand, with a new policy issued by a new insurance company acceptable to the Procuring Entity for any of the following grounds:

a) The issuer of the insurance policy to be replaced has:

i) become bankrupt;

ii) been placed under receivership or under a management committee;

iii) been sued for suspension of payment;

iv) been suspended by the Insurance Commission and its license to engage in business or its authority to issue insurance policies has been cancelled; or

v) Where reasonable grounds exist that the insurer may not be able, fully and promptly, to fulfill its obligation under the insurance policy.

18) Liquidated Damages

18.1 When the Contractor fails to satisfactorily complete the Works under the contract within the specified contract duration, inclusive of duly granted time extensions, if any, the Contractor shall be liable for liquidated damages in an amount equal to at least one-tenth (1/10) of one percent (1%) of the cost of the unperformed portion of the Works for every day of delay.

18.2 In computing liquidated damages, the Procuring Entity shall determine the usability of the project. A project or a portion thereof may be deemed usable

when it starts to provide the desired benefits as certified by the End-User or Implementing Unit and approved by the HoPE.

18.3 To be entitled to liquidated damages, the Procuring Entity does not have to prove that it has incurred actual damages. Such amount shall be deducted from any money due, or which may become due the Contractor under the contract, collected from the retention money or other securities posted by the Contractor, or a combination thereof, whichever is convenient to the Procuring Entity.

18.4 In case the total sum of liquidated damages reaches ten percent (10%) of the total contract price, the Procuring Entity may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances.

18.5 If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Entity shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment schedule.

19) Settlement of Disputes

19.1 Any dispute arising from the implementation of a contract covered by the Act and the IRR shall primarily be resolved and settled amicably by mutual consultation or agreement.

19.2 In case of failure to settle the dispute amicably, the parties may mutually agree in writing to resort to other modes of alternative dispute resolution (ADR) to promote efficiency in the procurement process. Accordingly, they are encouraged to select the most expeditious mode of ADR available.

If arbitration is chosen as the ADR method, this shall be incorporated as a provision in the contract and referred to the Arbitrator specified in the **SCC.**

19.3 If the dispute remains unresolved after exhausting the remedies provided above, it may be submitted to other forms of ADR, such as mediation, conciliation, early neutral evaluation, mini-trial, or any combination thereof, in accordance with RA No. 9285, otherwise known as the "Alternative Dispute Resolution Act of 2004". However, disputes that are within the competence or jurisdiction of the Construction Industry Arbitration Commission shall be referred to the same for resolution.[12]

20) 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.

21) Termination for Breach of Contract

21.1 The Procuring Entity shall terminate the contract for breach thereof when any of the following conditions are present:

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[12] Executive Order No. 1008 (Construction Industry Arbitration Law); and Construction Industry Arbitration Commission Revised Rules of Procedure.

a) Due to the Contractor's fault and while the project is on-going, it has incurred negative slippage of fifteen percent (15%) or more in accordance with Presidential Decree No. 1870, s. 1983;

b) Due to the Contractor's fault and after the contract time has expired, it has incurred a negative slippage of ten percent (10%) or more in the completion of the work;

c) The Contractor abandons the contract works, plainly demonstrates an intention not to continue the performance of the Contractor's obligations under the contract, refuses or fails to comply with the Procuring Entity's instructions, or fails to proceed expeditiously and without delay despite a written notice by the Procuring Entity;

d) When the Contractor, without reasonable excuse, fails to comply with the Notice of Rejection given by the Project Engineer that, after examination therein, the Infrastructure Project is found to be defective or otherwise not in accordance with the Contract, or a Project Engineer's instruction to conduct remedial work, within 30 days after receiving the said notice;

e) The Contractor does not actually have on the project site the minimum essential equipment listed on the Bid necessary to prosecute the Works in accordance with the approved work plan and equipment deployment schedule as required for the project;

f) The Contractor does not execute the Works in accordance with the contract or persistently or flagrantly neglects to carry out its obligations under the contract;

g) The Contractor neglects or refuses to remove materials or to perform a new work that has been rejected as defective or unsuitable;

h) The Contractor subcontracts any part of the contract works without approval by the Procuring Entity; or

i) The Contractor becomes bankrupt or insolvent; goes into liquidation, administration, reorganization, winding-up, or dissolution; becomes subject to the appointment of a liquidator, receiver, administrator, manager, or trustee; enters into a composition or arrangement with the Contractor's creditors; or any act is done or any event occurs which is analogous to or has a similar effect to any of these acts or events under applicable laws.

21.2 All materials on the Site, Plant, Works, including Equipment paid under this Contract, including those identified by the Procuring Entity in the **SCC** pursuant to GCC Clause 9.1, shall be deemed to be the property of the Procuring Entity if this Contract is terminated because of the Contractor's breach.

22) Termination Due to Force Majeure

22.1 For purposes of this Contract the terms "*force majeure*" and "fortuitous event" may be used interchangeably. In this regard, a fortuitous event or *force majeure* shall be interpreted to mean an event which could not have been foreseen, or though foreseen, was inevitable. It shall not include ordinary

unfavorable weather conditions, and any other cause the effects of which could have been avoided with the exercise of reasonable diligence by the Contractor.

22.2 If this Contract is discontinued by an outbreak of war or by any other similar event entirely outside the control of either the Procuring Entity or the Contractor, the Procuring Entity shall certify that this Contract has been discontinued. The Contractor shall make the Site safe and stop work as quickly as possible after receiving the certificate and shall be paid for all Works carried out before receiving it and for any Work carried out afterwards to which a commitment was made by the Procuring Entity.

22.3 If the event continues for a period of eighty-four (84) days, either party may then give notice of termination, which shall take effect twenty-eight (28) days after the giving of the notice.

22.4 After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the materials and Plant, in relation to GCC Clause 9.1 and 21.2, adjusted by the following:

(a) any sum to which the Contractor is entitled under **GCC** Clause 30; and

(b) any sum to which the Procuring Entity is entitled.

22.5 The net balance due shall be paid or repaid within a reasonable time period from the time of the notice of termination.

23) Termination by Contractor

The Contractor may terminate this Contract with the Procuring Entity if the Works are completely stopped for a continuous period of at least sixty (60) calendar days through no fault of its own, due to any of the following reasons:

a) Failure of the Procuring Entity to deliver, within a reasonable time, supplies, materials, right-of-way, or other items it is obligated to furnish under the terms of this Contract;

b) Substantial failure of the Procuring Entity to perform its obligations under the contract, and such failure constitutes a material breach of the Procuring Entity's obligations under the contract;

c) Prolonged suspension by the Procuring Entity, through no fault of the Contractor, which affects the substantial part of the Infrastructure Project; or

d) The prosecution of the Work is disrupted by the adverse peace and order situation, as certified by the Armed Forces of the Philippines Provincial Commander and approved by the Secretary of National Defense.

24) Termination for Convenience

The Procuring Entity, by notice sent to the Contractor, may terminate the Contract, in whole or in part, at any time, if it has determined the existence of any of the following conditions that make contract implementation economically, financially, or technically impractical or unnecessary:

a) If physical and economic conditions have significantly changed so as to render the project no longer economically, financially, or technically feasible, as determined by the HoPE; or

b) The HoPE has determined the existence of conditions that make project implementation impractical or unnecessary, such as, but not limited to, fortuitous events, changes in laws and government policies.

25) Termination for Unlawful Acts

The Procuring Entity may terminate the contract in case it is determined prima facie that the Contractor, including any joint venture partner therein, has engaged, before or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation. These unlawful acts include, but are not limited to, the following:

a) Corrupt, fraudulent, collusive, coercive, and obstructive practices as defined in **ITB** Clause 3.1, unless otherwise specified in the **SCC**;

b) Drawing up or using forged documents;

c) Using adulterated materials, means, or methods, or engaging in production contrary to rules of science or trade; or

d) Any other act analogous to the foregoing.

26) Termination for Other Causes

26.1 The Procuring Entity may terminate this Contract, in whole or in part, at any time for its convenience. The HoPE may terminate this Contract for the convenience of the Procuring Entity if physical and economic conditions have significantly changed so as to render the project no longer economically, financially, or technically feasible, as determined by the HoPE; or if the HoPE has determined the existence of conditions that make project implementation impractical or unnecessary, such as, but not limited to, fortuitous events, changes in laws and government policies.

26.2 The Procuring Entity or the Contractor may terminate this Contract if the other party causes a fundamental breach of this Contract.

26.3 Other breaches of Contract shall include, but shall not be limited to, the following:

a) The Contractor stops work for twenty-eight (28) days when no stoppage of work is shown on the current Program of Work and the stoppage has not been authorized by the Procuring Entity;

b) The Procuring Entity instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within twenty-eight (28) days;

c) A payment certified by the Procuring Entity is not paid to the Contractor within eighty-four (84) days from the date of the Procuring Entity's certificate;

d) The Procuring Entity gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Procuring Entity;

e) The Contractor does not maintain a Security, which is required; and

f) The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the **GCC** 18.

26.4 The Funding Source or the Procuring Entity, as appropriate, will seek the imposition of administrative sanctions as prescribed by RA No. 12009 and without prejudice to the imposition of civil and criminal sanctions as provided under applicable against individuals and organizations deemed to be involved with corrupt, fraudulent, or coercive practices.

26.5 When persons from either party to this Contract gives notice of a fundamental breach to the Procuring Entity in order to terminate the existing contract for a cause other than those listed under **GCC** Clause 26.3, the Procuring Entity shall decide whether the breach is fundamental or not.

26.6 If this Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

27) Procedures for Termination of Contracts

27.1 The following provisions shall govern the procedures for the termination of this Contract:

a) **Verification** - Upon receipt of a written report of acts or causes which may constitute grounds for termination as aforementioned, or upon its own initiative, the End-User or Implementing Unit shall, within a period of seven (7) calendar days, verify the existence of such grounds and cause the execution of a Verified Report, with all relevant evidence attached;

b) **Notice to Terminate** - Upon recommendation by the End-User or Implementing Unit, the HoPE shall terminate contracts only by written notice to the Contractor conveying the termination of the contract. The notice shall state:

(i) that the Contract is being terminated for any of the grounds aforementioned, and a statement of the acts that constitute the grounds constituting the same;

(ii) the extent of termination, whether in whole or in part;

(iii) an instruction to the Contractor to show cause as to why this contract should not be terminated; and

(iv) special instructions of the Procuring Entity, if any.

The Notice to Terminate shall be accompanied by a copy of the Verified Report;

c) **Show Cause** - Within a period of seven (7) calendar days from receipt of the Notice of Termination, the Contractor shall submit to the HoPE a verified position paper stating why the contract should not be terminated. If the Contractor fails to show cause after the lapse of the seven (7) day period, either by inaction or by default, the HoPE shall issue an order terminating the contract;

d) **Rescission of Notice of Termination** - The Procuring Entity may, at any time before receipt of the Contractor's verified position paper, withdraw the Notice to Terminate if it is determined that certain items or works subject of the notice had been completed, delivered, or performed before the Contractor's receipt of the notice;

e) **Decision** - Within a non-extendible period of ten (10) calendar days from receipt of the verified position paper, the HoPE shall decide whether or not to terminate the contract. It shall serve a written notice to the Contractor of its decision and, unless otherwise provided, the contract is deemed terminated from receipt of the Contractor of the notice of the decision. The termination shall only be based on the grounds stated in the Notice to Terminate.

f) **Contract Termination Review Committee (CTRC)** - The HoPE may create a committee to assist him in the discharge of its functions under the IRR. All decisions recommended by the CTRC shall be subject to the approval of the HoPE

g) **Take-over of Contracts** - If a Procuring Entity terminates the contract due to default, insolvency, or for cause, it may enter into a Negotiated Procurement (Take-over of Contracts) pursuant to Section 35.3 of the IRR.

h) **Notice by Contractor** - The Contractor must serve a written notice to the Procuring Entity of its intention to terminate the contract at least thirty (30) calendar days before its intended termination. The contract is deemed terminated if it is not resumed in thirty (30) calendar days after the receipt of such notice by the Procuring Entity.

27.2 Notwithstanding Section 99 of RA No. 12009 and as provided by applicable laws, the Procuring Entity shall impose on Contractors after the termination of the contract, the penalty of suspension for one (1) year for the first offense, suspension for two (2) years for the second offense from participating in the public bidding process, for violations committed during the contract implementation stage, as stated in the **SCC.**

28) Approval of Drawings and Temporary Works by the Procuring Entity

28.1 All Drawings prepared by the Contractor for the execution of the Temporary Works, are subject to prior approval by the Procuring Entity before its use.

28.2 The Contractor shall be responsible for design of Temporary Works.

28.3 The Procuring Entity's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

28.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works, when required by the Procuring Entity.

29) Acceleration and Delays Ordered by the Procuring Entity

29.1 When the Procuring Entity wants the Contractor to finish before the Intended Completion Date, the Procuring Entity will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Procuring Entity accepts these proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the Procuring Entity and the Contractor.

29.2 If the Contractor's Financial Proposals for an acceleration are accepted by the Procuring Entity, they are incorporated in the Contract Price and treated as a Variation.

30) Contractor's Right to Claim

If the Contractor incurs cost as a result of any of the events under **GCC** Clauses 22, 23 and 24 in relation to **GCC** Clause 20, the Contractor shall be entitled to the amount of such cost. If as a result of any of the said events, it is necessary to change the Works, this shall be dealt with as a Variation.

31) Dayworks

31.1 Subject to **GCC** Clause 40 on Variation Order, and if applicable as indicated in the **SCC**, the Contractor shall determine the Dayworks rates to be included or indicated in the Bid. The Dayworks rates in the Contractor's bid shall be used for small additional amounts of work only when the Procuring Entity has given written instructions in advance for additional work to be paid for in that way.

31.2 All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Procuring Entity. Each completed form shall be verified and signed by the Procuring Entity within two (2) days of the work being done.

31.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms from both the Procuring Entity and Contractor.

32) Early Warning

32.1 The Contractor shall warn the Procuring Entity at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works.

32.2 The Contractor shall cooperate with the Procuring Entity in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Procuring Entity. Should such events or circumstances arise which increase the Contract price or delay the execution of Works, the provisions on variation order shall apply.

33) Program of Work

33.1 Within the time stated in the **SCC**, the Contractor shall submit to the Procuring Entity for approval a Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works.

33.2 An update of the Program of Work shall show the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.

33.3 The Contractor shall submit to the Procuring Entity 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 may withhold the amount stated in the **SCC** from the next payment schedule and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

33.4 The Procuring Entity's approval of the Program of Work shall not alter the Contractor's obligations. A revised Program of Work produced by the Contactor shall show the effect of any approved Variations, and shall include all Variations. The Contractor may revise the Program of Work, based on the Variation Order, and submit it to the Procuring Entity again.

33.5 When the Program of Work is updated, the Contractor shall provide the Procuring Entity with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.

34) Management Conferences

34.1 Either the Procuring Entity or the Contractor may require the other to attend a Management Conference. The Management Conference shall review the plans for remaining work and deal with matters raised in accordance with the early warning procedure.

34.2 The Procuring Entity shall record the business of Management Conferences and provide copies of the record to those attending the Conference and to the Procuring Entity. The responsibility of the parties for the actions to be taken shall be decided by the Procuring Entity either at the Management Conference or after the Management Conference. The Procuring Entity shall communicate these responsibilities in writing to all who attended the Conference.

35) Bill of Quantities

35.1 The Bill of Quantities shall contain items of work for the construction, installation, testing, commissioning of work, materials, and labor among others, to be done by the Contractor.

35.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

35.3 If the final quantity of any work item completed differs from the quantity indicated in the Bill of Quantities, and the difference does not exceed twenty-five percent (25%) of the original quantity for that item, the Procuring Entity shall adjust the Contract accordingly.

This shall be allowed only if the total amount of all such changes does not go beyond ten percent (10%) of the total Contract price, subject to applicable laws, rules, and regulations.

35.4 If requested by the Procuring Entity, the Contractor shall provide the Procuring Entity with a detailed cost breakdown of any rate in the Bill of Quantities.

36) Instructions, Inspections and Audits

36.1 The Procuring Entity shall at all reasonable times during construction of the Works be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of the construction.

36.2 If the Procuring Entity instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a defect and the test shows that it does, the Contractor shall pay for the test and any samples. In the absence of any defect, the test shall be a compensation event with no adverse consequences to the contractor.

36.3 The Contractor shall permit the Funding Source named in the **SCC** to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Funding Source, if so required by the Funding Source.

37) Identifying Defects

The Procuring Entity shall check the Contractor's work and notify the Contractor of any defects that are found. Such checking shall not affect the Contractor's responsibilities. The Procuring Entity may instruct the Contractor to check noted defects and test any work that the Procuring Entity considers as substandard and/or defective.

38) Correction of Defects

38.1 The Procuring Entity shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which is one (1) year from project completion up to final acceptance by the Procuring Entity.

38.2 Every time notice of a defect is given, the Contractor shall correct the notified defect within ninety (90) calendar days from the time the HoPE has issued an order to undertake repair.

38.3 The Contractor shall correct the defects which they notice themselves before the end of the Defects Liability Period.

38.4 The Procuring Entity shall certify that all defects have been duly corrected.

39) Uncorrected Defects

39.1 The Procuring Entity shall give the Contractor at least fourteen (14) days' notice of its intention to use a third party to correct a Defect. If the Contractor does not correct the Defect himself within the period, the Procuring Entity may have the Defect corrected by the third party. The cost of the correction will be deducted from the Contract Price.

39.2 The use of a third party to correct defects that are uncorrected by the Contractor will in no way relieve the Contractor of its liabilities and warranties under the Contract.

40) Variation Orders

40.1 Variation Orders may be issued by the Procuring Entity to cover any increase or decrease in quantities, including the introduction of new work items that are not included in the original contract or reclassification of work items that are either due to change of plans, design or alignment to suit actual field conditions resulting in disparity between the preconstruction plans used for purposes of bidding and the "as staked plans" or construction drawings prepared after a joint survey by the Contractor and the Government after award of the contract.

Provided, That in case of positive or additive Variation Order/s, the cumulative amount thereof shall not exceed ten percent (10%) of the original contract price; Provided, further, That the scope of works shall not be reduced as to accommodate a positive Variation Order. In all cases, the addition of works under Variation Orders should be within the general scope of the project as bid and awarded.

40.2 Any cumulative positive Variation Order beyond ten percent (10%) of the original contract price shall be the subject of another procurement project to be bid out if the Works are separable from the original contract. In exceptional cases where it is urgently necessary to complete the original scope of work, the HoPE, upon the recommendation of the End-User or Implementing Unit, may authorize positive Variation Order/s resulting to a cumulative value of the positive Variation Orders beyond ten percent (10%) but not more than twenty percent (20%) of the original contract price.

All progress payments shall first be charged against the advance payment until the latter has been fully exhausted, at the option of the Procuring Entity.

40.3 A Variation Order may either be in the form of a Change Order or Extra Work Order:

a) A Change Order may be issued by the HoPE or duly authorized representative to cover any increase or decrease in quantities of original work items in the contract.

b) An Extra Work Order may be issued by the implementing official to cover the introduction of new work necessary for the completion, improvement or protection of the project which was not included as items of work in the original contract, such as, where there are subsurface or latent physical conditions at the site differing materially from those indicated in the contract, or where there are duly unknown physical conditions at the site of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in the work or character provided for in the contract.

40.4 For Variation Orders, the Contractor shall be paid for additional work items whose unit prices shall be derived based on the following:

a) For additional or extra works duly covered by Change Orders involving work items which are exactly the same or similar to those in the original contract, the applicable unit prices of work items original contract shall be used.

b) For additional or extra works duly covered by Extra Work Orders involving new work items that are not in the original contract, the unit prices of the new work items shall be based on the direct unit costs used in the original contract (e.g., unit cost of cement, rebars, form lumber, labor rate, equipment rental, etc.). All new components of the new work item shall be fixed prices; Provided, The same is acceptable to both the Government and the Contractor; Provided further, That the direct unit costs of new components shall be based on the Contractor's estimate as validated by the Procuring Entity concerned via documented canvass in accordance with existing rules and regulations. The direct cost of the new work item shall then be combined with the mark-up factor (i.e., taxes and profit) used by the Contractor in its bid to determine the unit price of the new work item.

40.5 Under no circumstances shall a Contractor proceed to commence work under any Change Order or Extra Work Order unless it has been approved by the HoPE or its duly authorized representative. However, under any of the following conditions, the Procuring Entity's representative or Project Engineer may, subject to the availability of funds and within the limits of its delegated authority, allow the immediate start of work under any Change Order or Extra Work Order:

a) In the event of an emergency where the prosecution of the work is urgent to avoid detriment to public service, or damage to life and/or property; and/or

b) When time is of the essence;

Provided, however, That such approval is valid on work done up to the point where the cumulative increase in value of work on the project which has not yet been duly fully approved does not exceed five percent (5%) of the adjusted original contract price.

Provided, further, That immediately after the start of work, the corresponding Change Order or Extra Work Order shall be prepared and submitted for approval in accordance with the abovementioned rules. Payments for Works satisfactorily accomplished on any Change Order or Extra Work Order may be made only after approval of the same by the HoPE or its duly authorized representative.

Provided, finally, That for a Change Order or Extra Work Order involving a cumulative amount exceeding five percent (5%) of the original contract price, no work thereon may be commenced unless said Change Order or Extra Work Order has been approved by the HoPE or its duly authorized representative.

41) Contract Completion

Once the project reaches an accomplishment of ninety-five percent (95%) of the total contract amount, the Procuring Entity may constitute an inspectorate team to conduct preliminary inspection and submit a punch-list to the Contractor in preparation for the final turnover of the project. Said punch-list will contain, among others, the remaining Works, Work deficiencies for necessary corrections, and the specific duration/time to fully complete the project within the approved remaining contract time. This, however, shall not preclude the claim of the Procuring Entity for liquidated damages, if applicable.

42) Suspension of Work

42.1 The Procuring Entity shall have the authority to suspend the work wholly or partly by written order for such period as may be deemed necessary, due to *force majeure* or any fortuitous event or for failure on the part of the Contractor to correct bad conditions which are unsafe for workers or for the general public, to carry out valid orders given by the Procuring Entity or to perform any provisions of the contract, or due to adjustment of plans to suit field conditions as found necessary during construction. The Contractor shall immediately comply with such order to suspend the work wholly or partly.

42.2 The Contractor or its duly authorized representative shall have the right to suspend work operation on any or all projects or activities along the critical path of activities after fifteen (15) calendar days from date of receipt of written notice from the Contractor to the district engineer, regional director, consultant or equivalent official, as the case may be, due to the following:

a) There exist right-of-way problems which prohibit the Contractor from performing work in accordance with the approved construction schedule.

b) Requisite construction plans which must be owner furnished are not issued to the Contractor precluding any work called for by such plans.

c) Peace and order conditions that make it extremely dangerous, if not possible, to work. However, this condition must be certified in writing by the Philippine National Police station which has responsibility over the affected area and confirmed by the Department of the Interior and Local Government (DILG) Regional Director.

d) There was a failure on the part of the Procuring Entity to deliver government-furnished materials and equipment as stipulated in the contract.

e) Delay in the payment of Contractor's claim for progress billing beyond forty-five (45) calendar days from the time the Contractor's claim has been certified by the Procuring Entity's authorized representative that the documents are complete, unless there are justifiable reasons for the delay in payment which shall be communicated in writing to the Contractor.

42.3 In case of total suspension, or suspension of activities along the critical path, which is not due to any fault of the Contractor, the elapsed time between the effectivity of the order suspending operation and the order to resume work shall be allowed to the Contractor by adjusting the contract time accordingly.

43) Payment on Termination

43.1 If the Contract is terminated because of a breach of Contract by the Contractor, the Procuring Entity shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate, and less the percentage to apply to the value of the work not completed, as indicated in the **SCC**. Additional liquidated damages shall not apply. If the total amount due to the Procuring Entity exceeds any payment

due to the Contractor, the difference shall be a debt payable to the Procuring Entity.

43.2 If the Contract is terminated for the Procuring Entity's convenience, or due to a breach of Contract by the Procuring Entity, the Procuring Entity shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.

43.3 The net balance due shall be paid or repaid within twenty-eight (28) days from the notice of termination.

43.4 If the Contractor has terminated the Contract under **GCC** Clauses 23 to 24, the Procuring Entity shall promptly return the Performance Security to the Contractor.

44) Extension of Contract Time

44.1 Should the amount of additional work or other special circumstances warrant the entitlement of the Contractor to an extension of contract time, the Procuring Entity shall determine the amount of such extension; Provided, That the Contractor has notified the Procuring Entity of its claim for extension of contract time prior to the expiration of the contract time, and within thirty (30) calendar days after the additional work has been commenced or the circumstances leading to such claim have arisen, as the case may be, in order to give the Procuring Entity the opportunity to investigate the claim. Failure to provide such notice shall constitute a waiver of such a claim by the Contractor. Upon receipt of full and detailed particulars, the Procuring Entity shall examine the facts and extent of the delay and shall extend the contract time to complete the contract work when, in the Procuring Entity's opinion, the findings of facts justify an extension.

44.2 No extension of contract time shall be granted to the Contractor due to ordinary unfavorable weather conditions and inexcusable negligence of the Contractor to provide the required equipment, supplies, or materials.

44.3 Extension of contract time may be granted only when the affected activities fall within the critical path of the PERT, CPM, Precedence Diagram Method or any other project management tool.

44.4 No extension of contract time shall be granted when the reason given to support the request for extension was already considered in the determination of the original contract time during the conduct of detailed engineering and in the preparation of the contract documents as agreed upon by the parties before contract perfection.

44.5 Extension of contract time may be granted in the cases indicated in the **SCC.**

44.6 The written consent of the bank, or surety or insurance company, as the case may be, must be attached to any request of the Contractor for extension of contract time and submitted to the Procuring Entity for consideration and the validity of the Performance Security shall be correspondingly extended.

44.7 The Procuring Entity shall extend the Intended Completion Date if a Variation is issued which makes it impossible for the Intended Completion Date to be achieved by the Contractor without taking steps to accelerate the remaining work, which would cause the Contractor to incur additional costs. No payment shall be made for any event which may warrant the extension of the Intended Completion Date.

44.8 The Procuring Entity shall decide whether and by how much to extend the Intended Completion Date within twenty (20) days of the Contractor asking the Procuring Entity for a decision thereto after fully submitting all supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

45) Price Escalation

In the event of an extraordinary increase in prices of specific components of the Infrastructure Project, price escalation may be considered, subject to prior approval of the GPPB. If the cost of construction components increases by more than ten percent (10%) of the unit price of work items, as determined against the prevailing price indices of the PSA, a price escalation may be authorized at a no-loss, no-gain basis, using the appropriate formula prescribed by the GPPB. For the purpose of this Section, the PSA shall ensure that its price indices are region-specific and updated on a monthly basis

46) Completion

The Contractor shall request the Procuring Entity to issue a Certificate of Completion of the Works, and the Procuring Entity will do so upon determining that the work is completed.

47) Taking Over

The Procuring Entity shall take over the Site and the Works within seven (7) days from the date of issuance of a Certificate of Completion; Provided, That it shall not release the Contractor of its responsibilities within the defects liability period.

48) Operating and Maintenance Manuals

48.1 If “as built” Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the **SCC**.

48.2 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the **SCC**, or they do not receive the Procuring Entity’s approval, the Procuring Entity shall withhold the amount stated in the **SCC** from payments due to the Contractor.

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

a) Information that complements provisions of Section IV. General Conditions of Contract must be incorporated.

b) Amendments and/or supplements to provisions of Section IV. General Conditions of Contract, as necessitated by the circumstances of the specific project, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of Section IV. General Conditions of Contract should be incorporated herein.

Special Conditions of Contract

GCC Clause	
1.1	The **Intended Completion Date** is *210 Calendar Days from the date of NTP*
1.2	The **Procuring Entity** is ***PALAWAN STATE UNIVERSITY**, Tiniguiban Heights Puerto Princesa City, Palawan.*
1.3	The **Site** is located at *PSU Tiniguiban Main Campus.*
1.4	The **Start Date** is *upon receipt of the Notice of Proceed.*
1.5	The **Works** consist of *the following:* 1. General Requirements 2. Site Preparation Works 3. Earthworks 4. Concrete Masonry works 5. Architectural Steel Works 6. Tiling works and floor finishing works 7. Painting works 8. Schedule of doors and windows 9. Toilet partition works 10. Reinforcing steel works 11. Formworks and scaffoldings 12. Concrete Works 13. Temporary Tinsmithry & Roof Framing Works 14. Plumbing works 15. Electrical Works 16. Water Proofing Works
2.2	*Not applicable*
5.1	*Not applicable*
6.5	The Contractor shall employ the following **Key Personnel:** *Key Personnel — General Experience — Relevant Experience* *1. Project Manager — 2 years — Project Manager in a similar project* *2. Project Engineer — 2 years — Project Engineer in a similar project* *3. Materials Engineer — 2 years — Materials Engineer in a similar Project* *4. Safety officer — 2 years — Safety Officer in a similar project* *5. Foreman — 2 years — Foreman in a construction project*
7.1	No further instructions.
8.1	The amount of the advance payment shall be 15% of the total contract price.

9.1	Materials and equipment delivered onsite but not yet incorporated in the Works shall be included for payment.
9.4	The first progress payment may be paid by the Procuring Entity to the Contractor; Provided, that at least *30%* of the Works has been accomplished as certified by the Procuring Entity.
12.7	No further instructions.
13.1	The site investigation reports are: 1. Certificate of Site Inspection 2. Site Investigation report describing / indicating the present condition of the project site
15.3	No further instructions.
15.5	*In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:* Fifteen (15) years.
19.2	The Arbitrator is the person appointed jointly by the Procuring Entity and the Contractor: *[Insert name]* *[Insert address]*
20	*if the Contractor is a joint venture, "*All partners to the joint venture shall be jointly and severally liable to the Procuring Entity."
25(a)	No further instructions.
27.2	a) Failure of the Contractor, due solely to its fault or negligence, to mobilize and start work or performance within the specified period in the Notice to Proceed ("NTP"); b) Failure by the Contractor to fully and faithfully comply with its contractual obligations without valid cause, or failure by the Contractor to comply with any written lawful instruction of the Procuring Entity or its representative(s) pursuant to the implementation of the contract. For the procurement of infrastructure projects or consultancy contracts, lawful instructions include but are not limited *to* the following: i) Employment of competent technical personnel, competent engineers and/or work supervisors; ii) Provision of warning signs and barricades in accordance with approved plans and specifications and contract provisions;

	iii) Stockpiling in proper places of all materials and removal from the project site of waste and excess materials, including broken pavement and excavated debris in accordance with approved plans and specifications and contract provisions; iv) Deployment of committed equipment, facilities, support staff and manpower; and v) Renewal of the effectivity dates of the performance security after its expiration during the course of contract implementation. c) Assignment and subcontracting of the contract or any part thereof or substitution of key personnel named in the proposal without prior written approval by the Procuring Entity. d) Poor performance by the Contractor or unsatisfactory quality and/or progress of work arising from its fault or negligence as reflected in the CPES rating sheet. In the absence of the CPES rating sheet, the existing performance monitoring system of the Procuring Entity shall be applied. Any of the following acts by the Contractor shall be construed as poor performance: i) Negative slippage of fifteen (15%) and above within the critical path of the project due entirely to the fault or negligence of the Contractor; and ii) Quality of materials and workmanship not complying with the approved specifications arising from the Contractor's fault or negligence. e) Willful or deliberate abandonment or non-performance of the project or contract by the Contractor resulting to substantial breach thereof without lawful and/or just cause. In addition to the penalty of suspension, the performance security posted by the Contractor shall also be forfeited.]
31.1	Dayworks are applicable at the rate shown in the Contractor's original Bid.
33.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within [10] days of delivery of the Notice of Award.
33.3	N/A
36.3	The Funding Source is the *Government of the Philippines (Fund 101 FY 2026).*
43.1	The percentage to apply to the value of the work not completed is *15 Percent.*

44.5	a) rainy/unworkable days considered unfavorable for the prosecution of the Works at the site, based on the actual conditions obtained at the site, in excess of the number of rainy/unworkable days pre-determined by the Procuring Entity in relation to the original contract time during the conduct of detailed engineering and in the preparation of the contract documents as agreed upon by the parties before contract perfection, and/or b) major calamities such as exceptionally destructive typhoons, floods and earthquakes, and epidemics, c) delays attributable to the Procuring Entity, such as non-delivery on time of materials, working drawings, or written information to be furnished by the Procuring Entity, non-acquisition of permit to enter private properties or non-execution of deed of sale or donation within the right-of-way resulting in complete paralyzation of construction activities, and d) other meritorious causes as determined by the Procuring Entity and approved by the HoPE such as shortage of construction materials, general labor strikes, and peace and order problems that disrupt construction operations through no fault of the Contractor may be considered as additional grounds for extension of contract time provided they are publicly felt and certified by appropriate government agencies such as DTI, DOLE, DILG, and DND, among others.
48.1	The date by which “as built” drawings are required upon final billing
48.2	N/A

Section VI. Specifications

Notes on Specifications

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

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

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

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

The following clause may be inserted in the SCC:

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted subject to the Procuring Entity's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's consent. In the event the Procuring Entity determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

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

Section VII. Drawings

Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section or annexed in a separate folder.

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

a) to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and

b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

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

Daywork Schedule

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

a) A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.

b) Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

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

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors (refer to **GCC** Clause 7) should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the winning Bidder as prime Contractor for the use and convenience of the specialist contractors, each related

provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

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

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

Section IX. Philippine Bidding Documents Related Forms

Notes to the Philippine Bidding Document Related Forms

The Bidder shall complete and submit with its Bid the **Bid Form**, together with the Bill of Quantities, detailed estimates that include a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid, and Cash Flow by Quarter, in accordance with **ITB** Clause 13, and all those requirements indicated in the Bidding Documents and the format set out in this Section.

When requested in the BDS, the Bidder should provide the **Bid Security**, either in the form included hereafter or in another form acceptable to the Procuring Entity, pursuant to **ITB** Clause 16.

The **Contract Form**, when it is finalized at the time of contract award, should incorporate any correction or modification to the accepted Bid resulting from price corrections. The needed attachments, as aforementioned which form part of the contract should be modified accordingly.

The **Omnibus Sworn Statement** must be completed by all Bidders in accordance with **ITB** Clause 4.3. Failure to do so and submit it with the Bid shall result in the rejection of the Bid and the Bidder's disqualification.

The **Performance Securing Declaration and Bank Guarantee Form for Advance Payment** shall be completed only by the successful Bidder in accordance with one of the forms indicated herein or in another form acceptable to the Procuring Entity and pursuant to **GCC** Clause 12 and its corresponding SCC provision.

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Bid Form for Procurement of Infrastructure Projects

[Note: The duly accomplished form shall be submitted with the Bid]

BID FORM

Project Identification No.: *[Insert number]*

To: [Name of Procuring Entity]

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

a) I/We have no reservation to the PBD, including the Supplemental Bid Bulletins, for the Procurement Project *[Project Title]*;

b) I/We offer to execute the Works for this Contract in accordance with the PBD;

c) The total price of our Bid in words and figures, excluding any discount offered below, is *[insert information]*

d) The discounts offered and the methodology for their application, if any, are: *[insert information*]; *or indicate N/A if no discount offered]*

e) The total bid price in words and figures, after applying the applicable discount, 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 in the Detailed Estimates.

f) This Bid shall remain valid within a period stated in the PBD, and it shall be binding upon me/us at any time before the expiration of that period;

g) If our bid is accepted, I/we commit to enter to a contract and provide a performance security in the form, amounts, and within the times prescribed in the PBD, and hereby acknowledge the consequences under the IRR of RA No. 12009 on forfeiture of Bid Security or enforcement of Bid Securing Declaration and on Blacklisting.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon the Bidder.

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

I/We certify/confirm that we comply with the eligibility requirements pursuant to the PBD.

The undersigned is authorized to submit the bid on behalf of *[Name of the Bidder]* as evidenced by the attached *[State the Written Authority]*.

I/We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Duly authorized to sign the Bid for and behalf of:

[Insert Bidder's Name]

[Signature over Printed Name]
[Position/Designation]
[Date]

Contract Form

[Note: The duly accomplished form is not required to be submitted with the Bid but shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT FOR [Insert Project Title]

THIS CONTRACT executed on the _____ day of _____ 20_____ between:

[Name of Procuring Entity], a government agency of the Republic of the Philippines, hereinafter called "the Entity";

-and-

[Name of Contractor] Filipino of legal age or a company duly organized and existing under the laws of [city and country], with principal office at [insert address], hereinafter called "the Contractor".

WHEREAS**,** the Entity invited Bids for certain goods and ancillary services, particularly *[Brief description of Project]*;

WHEREAS, the Contractor submitted a responsive bid and was awarded the contract for the procurement in the total amount of ***[****Contract price in words and figures, including currency],* hereinafter referred to as the "Contract Price."

NOW, THEREFORE, for and in consideration of the foregoing premises, the parties hereby agree as follows:

1) Unless otherwise stated, terms and expressions used in this Contract shall have the same meanings as those assigned to them in the Conditions of Contract, which form an integral part of this Contract.

2) The following documents as required by the Implementing Rules and Regulations of Republic Act No. 12009 shall be deemed to form and be read and construed as integral part of this Contract, *viz.*:

    a) Philippine Bidding Documents (PBD);

        i. Drawings/Plans;
        ii. Scope of Work;
        iii. Invitation to Bid;
        iv. Instructions to Bidders;
        v. Bid Data Sheet;
        vi. Bid Form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
        vii. Bill of Quantities;
        viii. General and Special Conditions of Contract;
        ix. Supplemental Bid Bulletins, if any; and
        x. Other contract documents that may be required by existing laws and/or the Entity.

b) Winning bidder's bid, including the Eligibility Requirements, Technical and Financial Proposals, and all other documents or statements submitted;

c) Performance Security;

d) Notice of Award of Contract; and the Bidder's Conforme thereto; and

e) Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBD, such as but not limited to the Notice to Proceed and Warranty Security.

3) In consideration of the Contract Price of *[Contract Price in words and figures],* or such other sums as may be determined in accordance with the terms of the Contract, the Supplier agrees to deliver and perform the items and related services for the *[Project Title]* described herein in accordance with the terms and conditions specified in the Contract and its annexed documents.

4) The *[Name of the Procuring Entity]* agrees to pay the above-mentioned sum to the Supplier in accordance with the schedule and manner provided in the Bidding Documents and its annexes.

5) Any dispute, difference, or claim arising out of or relating to this Contract, including its existence, validity, interpretation, breach, or termination thereof, may be submitted to arbitration or other form of alternative dispute resolution in accordance with the applicable law, such as Republic Act (RA) No. 9285 (Alternative Dispute Resolution Act of 2004) or Executive Order No 1008, series 1985 (Construction Industry Arbitration Law).

IN WITNESS WHEREOF**,** the parties hereto have caused this Contract to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written

For the Procuring Entity
Head of the Procuring Entity or Duly Authorized Representative

For the Bidder

Duly authorized to sign the Contract for and behalf of *[Bidders Name]*:

[Signature over Printed Name][Position/Designation]
[Date]

[Signature over Printed Name]
[Position/Designation]
[Date]

Signed in the presence of:

[Name and Signature]

Witness – Procuring Entity

[Name and Signature]

Witness- Supplier

ACKNOWLEDGMENT

BEFORE ME, A Notary Public for and in the _____, City/Province of _____, this _____ day of _____, 20_____, personally appeared the above-named persons who have satisfactorily proven to me their identity, through their identifying documents written below their names and signatures, that they are the same persons who executed and voluntarily signed the foregoing instrument consisting of ____ pages, including this page where this Acknowledgement is written, which they acknowledged before me as their free and voluntary act and deed.

WITNESS MY HAND AND SEAL this ___ day of *[month] [year].*

NAME OF NOTARY PUBLIC
Notarial Commission No. _____
Notary Public for _____ until _____
Roll of Attorneys No. _____
PTR No. __, *[date issued], [place issued]*
IBP No. __, *[date issued], [place issued]*

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

Omnibus Sworn Statement Form

[Note: The duly accomplished form shall be submitted with the Bid]

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

OMNIBUS SWORN STATEMENT

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

1) *Select one, delete the others:*
   - *If sole proprietorship:* I am the sole proprietor or authorized representative of *[Name of Bidder]* with office address at *[Address of Bidder]*;

   - *If 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]*;

   - *If individual consultant not registered under a sole proprietorship, in case of Consulting Services:* I am the individual consultant or authorized representative of *[Name of Bidder]* with office address at *[Address of Bidder]*;

2) *Select one, delete the others:*

   - *If 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 *[Project Title]* of the *[Name of the Procuring Entity][insert* "as supported by the attached duly notarized Special Power of Attorney" *for authorized representative]*;

   - *If 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 *[Project Title]* of the *[Name of the Procuring Entity]*, as supported by the attached duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary's Certificate, whichever is applicable*;*

   - *If individual consultant not registered under a sole proprietorship, in case of Consulting Services:* As the individual consultant 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 *[Project Title]* of the *[Name of the Procuring Entity]*, as

supported by the attached duly notarized Special Power of Attorney *for authorized representative*;

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;

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 others:*

- *If sole proprietorship :* The *[Name of Bidder]* and its spouse are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

- *If partnership :* The partnership itself and the partners of *[Name of Bidder]* are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

- *If cooperative:* The cooperative itself and members of the board of directors, general manager, or chief executive officer of *[Name of Bidder]* are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

- *If corporation, or joint venture:* The corporation or joint venture itself, and officers, directors, and controlling stockholders of *[Name of Bidder]* are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

- *If individual consultant not registered under a sole proprietorship, in case of Consulting Services:* The individual consultant and its spouse are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring

Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

7) It is understood that failure to faithfully disclose its relationship with the HoPE, members of the BAC, the TWG, and the BAC Secretariat, the head of the PMO or the end-user unit or implementing unit, and the project consultants of the Procuring Entity, or of the procurement agent by consanguinity or affinity up to the third civil degree, as well as its submission of beneficial ownership information containing false entries shall be subject to blacklisting under Section 100 of the IRR of RA No. 12009, without prejudice to criminal and civil liabilities under applicable laws, including their accessory penalties, if any.

   Select one, delete the rest:

   - *In case of corporations: [Name of Bidder]* declares its beneficial ownership information consistent with its updated General Information Sheet or Beneficial Ownership Declaration Form or any other document duly submitted to the SEC and has maintained a valid and updated file therein in compliance with Sections 20.2.9.1, 81, and 82 of the IRR of Republic Act (RA) No. 12009.

   - *In case of Foreign Bidders: [Name of Bidder]* submitted an appropriate equivalent document in English issued by the country of the bidder concerned in accordance with Section 20.2.9.2 of the IRR of RA No. 12009.

8) *[Name of Bidder]* complies with existing labor laws and standards; and

9) *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:
   a) Carefully examine all of the Bidding Documents;
   b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
   c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
   d) Inquire or secure Supplemental Bid Bulletin(s) issued for the *[Project Title]*.

10) *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

11) In case advance payment was made or given to *[Name of Bidder]*, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability under existing laws.

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

Duly authorized to sign the Bid for and behalf of:

[Insert Bidder's Name]

[Affiant's Signature over Printed Name]
[Position/Designation]
[Date]

JURAT

SUBSCRIBED AND SWORN to before me this _____ day of *[month] [year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

WITNESS MY HAND AND SEAL this ___ day of *[month] [year].*

NAME OF NOTARY PUBLIC
Notarial Commission No. _____
Notary Public for _____ until _____
Roll of Attorneys No. _____
PTR No. __, *[date issued], [place issued]*
IBP No. __, *[date issued], [place issued]*

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

Bid Securing Declaration Form

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

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

BID SECURING DECLARATION

Project Identification No.: *[Number]*

To: *[Insert name 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 shall enter into contract with the Procuring Entity and furnish the required performance security within ten (10) calendar days as indicated in the Bidding Documents, from receipt of the Notice of Award;

   b) I/we will be automatically disqualified from bidding for any procurement contract with any Procuring Entity upon receipt of your Blacklisting Order; and

   c) I/We will pay the applicable fine 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 52.2 (a), 63.2, 69.1 and 100, except 100.3 (c), of the IRR of RA No. 12009; without prejudice to other legal action the government may undertake;

	Applicable Fine
a) in the case of a single bidder	i) two percent (2%) of the Approved Budget for the Contract (ABC); or ii) the difference between the evaluated bid price and the ABC whichever is higher
b) in the case of multiple bidders	i) two percent (2%) of the ABC; or ii) the difference between the evaluated bid prices with the

	bidder with Lowest Calculated/Highest Rated Bid and the bidder with the next Lowest Calculated/Highest Rated Bid, and so on whichever is higher
c) in case of violations committed prior to the opening of the financial envelope	i) a fixed amount of two percent of the ABC,

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;

   c) I am/we are declared the bidder with the *[Insert Award Criterion[1]]* 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]*.

Duly authorized to sign the Bid for and behalf of:

[Insert Bidder's Name]

[Signature over Printed Name]
[Position/Designation]
[Date]

JURAT

SUBSCRIBED AND SWORN to before me this _____ day of *[month] [year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

WITNESS MY HAND AND SEAL this ___ day of *[month] [year].*

NAME OF NOTARY PUBLIC
Notarial Commission No. _____
Notary Public for _____ until _____
Roll of Attorneys No. _____
PTR No. __, *[date issued], [place issued]*
IBP No. __, *[date issued], [place issued]*

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


Republic of the Philippines
gppb
Government Procurement Policy Board

PALAWAN STATE UNIVERSITY
PROJECT MANAGEMENT OFFICE
Plans and Design Unit
City of Puerto Princesa
25 JUNE, 2026

SCOPE OF WORK
(By Contract)

Project: **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS**
Location: PSU MAIN CAMPUS
Owner: PALAWAN STATE UNIVERSITY

TECHNICAL SPECIFICATION:

The set of Specifications shall govern the methods of construction and the kind of materials to be used for the **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS** located at PSU Main Campus, Palawan.

The plans, detail drawings and these specifications shall consider as complementing each other, so that what is mentioned or shown in one, though not mentioned or shown in the other, shall be considered as appearing on both. Any conflict to be found between the two should be referred to the Project In-charge or the Project Management Office for clarification & resolution.

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6. PAINTING WORKS
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10. REINFORCING STEEL WORKS
11. FORMWORKS AND SCAFFOLDINGS
12. CONCRETE WORKS
13. TEMPORARY TINSMITHRY & ROOF FRAMING WORKS
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15. ELECTRICAL WORKS
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GENERAL CONDITIONS:

All parts of the construction shall be finished with first-class workmanship to the fullest talent and significance of the plans for this scope of work and to the satisfaction of the Project In-charge, and to the standards set by the Palawan State University.

The construction shall also conform to all the requirements of the National Building Code, as well as the local rules and regulations, and shall be accomplished using sound engineering practice and procedures.

The Contractor must employ only competent and efficient architects, engineers and construction supervisors that are duly licensed to practice their respective professions.

The contractors shall be required to prepare As-built Drawings to be submitted to the Project Management Office for proper Documentations

1.0 GENERAL REQUIREMENTS

1.A *Permits and Licensing*

The Contractors or his duly authorized representative shall process, compile, and submit all the documents required by the Local Building Officials in submission for Building Permit and Occupancy Permit. The required documents shall be signed and sealed by professional engineers, architects and the compensation shall be shouldered by the contractor. The building permit shall be submitted to the Project Management Office one month after the commencement of the project. The revisions and additional remarks of the office of the Building Officials must be coordinated to the University Engineer or the Project Management Office to address the concerns.

1.B *Occupational Safety and Health*

The Contractor shall put up and continuously maintain adequate safety standards including the provision of a competent licensed safety engineer and license first aider that shall prevent undue loss, damages and injury on workers or loss of properties. First aid services should be readily available at all times at the construction site.

1.C *Field & Temporary Facilities*

Temporary structures, e.g. bunkhouse/storage shed, temporary barriers, shall be provided by the contractor for its workers, staff, and for construction materials storage and fabrication.

The temporary enclosure is required to keep unauthorized persons from entering the construction site, using a blue sackolin and tied properly in 2''x3''x 10ft. coco lumber. The support must be embedded at the ground surface level and not easily pulled out.

Upon the project completion, *all materials* from the temporary structures for this item, including but not limited to plywood drywall, roofing G.I. sheets, barriers, barricades, blue sackolin, and coco lumbers shall be removed and properly turned over to PSU authorities and will become the property of the Palawan State University.

1.D *Personal Protective Equipment*

Availability of Personal Protective Equipment *(PPE)* at site and wearing of safety gadgets at all times while working must be observed to maintain zero accident during the construction phase and to adhere to the requirements of COSH:

- Safety Shoes (Steel Toe)
- Safety Helmet (Hard Hat)
- Safety Harness (Heavy Duty)

- Safety Goggles (Heavy Duty)
- Safety Gloves (Heavy Duty)
- First Aid Kit Tool
- Safety Signages

2.0 SITE PREPARATION WORKS

PART I-GENERAL

1.0 SCOPE

This section includes all labor, materials, equipment and the performance of all operations necessary for the clearing, grubbing, stripping and all other site preparation work such as soil boring test & layout & staking & soil treatment against termites and other indicated on this specification.

Clearing and grubbing shall be conducted in accordance with the applicable Local regulations and Acts. The PMO office and/or the Project Engineer will establish the limits of work and designate all trees, shrubs, plants and other things to remain.

1.1 PROTECTION

1.1.1 PROTECTION OF EXISTING STRUCTURES, UTILITIES AND TREES:

a. BENCH MARKS: Maintain all bench marks, monuments, and other reference points; if disturbed, Contractor must replace at no extra cost to the Palawan State University.

b. PROTECTION: Protect existing buildings and other structures which are indicated to remain, from damage, and repair damage caused by this work at no additional cost to the Owner.

c. UTILITY LINES: Existing utility lines indicated or locations of which are made known to the Contractor prior to excavation, and that which are indicated to be retained, as well as utility lines constructed during excavation operations, shall be protected from damage during excavation operations, shall be protected from damage during excavating and backfilling, and if damaged, shall be repaired at no extra cost. Site survey shall be conducted by the Contractor to acquaint with existing utility lines. Proper measures shall be taken and immediate information forwarded to the Project Management Office when utility lines are encountered within the area of operation.

1.2 DISPOSAL OF CLEARED AND GRUBBED MATERIALS

Logs, stumps, roots, brush, rotten wood, and other refuse resulting from the clearing and grubbing operations shall be disposed of by removing from the site at the Contractor's expense. Materials shall be disposed outside the limits of the project site.

PART II – EXECUTION

2.1 SOIL BORING TEST

The contractor shall be held solely responsible for the result of this boring/drilling exploration and other activities under this specification.

2.1.1 BOREHOLE LOCATION:

a. A total of 2 boreholes for structures less than 300 sqm. in area and at least 3 boreholes for larger building area.

b. A maximum of 1 borehole for every 200 sqm. of a structure.

2.1.2 BOREHOLE DEPTH: Borings shall be extended to 30 meters, or until three successive SPT (standard penetration test) N-Values > 30 are recorded. In case bearing layer is not encountered beyond 30mts. boring shall be continued until preferred layer is encountered and/or upon the instruction of the geotechnical engineer.

2.1.3 PROCEDURE:

a. Deep drilling with Standard Penetration Test (SPT) shall be conducted at 7.30 meter from centerline of existing bridge left and right at each abutment. Minimum depth shall be determined based on confirmation of hard strata or bed rock . Drilling can be stopped after three (3) meters minimum penetration into hard strata or bed rock.

b. The Consultant shall perform analysis and testing on disturbed and undisturbed soil samples. These analyses and testing shall be performed in accordance with AASHTO and ASTM standards.

c. The soil samples for foundation design shall be tested for the determination of the main characteristics (grain size distribution and classification, moisture content, atterberg limits, etc.)

d. Submit design recommendations, foundation condition scheme, bearing capacity and settlement, groundwater table, hydrological influences, excavation stability, seismic design consideration and liquefaction potential.

e. Geological structure, especially active faults which might traverse the area, should be delineated and potential mass movement areas should be identified. Analysis for liquefaction potential during earthquake and consolidation due to soft ground should be included.

2.1.4 HANDLING AND CORE SAMPLES: The contractor shall provide all the materials, equipment and labor necessary for preserving samples.

2.2 CLEARING AND GRUBBING

2.2.1 CLEARING: Clearing shall be felling, trimming, and cutting trees into sections, and disposal of all debris. Clearing operations shall be so conducted as to prevent damage by falling trees to trees left standing, to existing structures, or to installations under construction. Trees, stumps, roots, brush and other vegetation in areas to be cleared shall be cut off below the original ground surface except trees and vegetation which are directed to be left standing.

2.2.2 GRUBBING: Grubbing shall consist of removal and disposal of stumps, roots larger than 76 mm in diameter, and matted roots from the designated grubbing areas. These materials, together with other organic or metallic debris not suitable for foundation purposes, shall be excavated and removed to a depth of not less than 457 mm below finished grade. Depressions made by grubbing shall be filled with suitable soil and to make surface conform to original adjacent soil surface.

2.2.3 TREE REMOVAL: Where directed, trees and stumps shall be removed from areas outside those areas designated for clearing and grubbing. This work shall include felling such trees and removal of their stumps and roots specified above. This provision is only in effect if there are trees which will be decided to be removed.

2.2.4 DEMOLITION: All unnecessary structures that are existing to the project preparation are subject to clear and demolition. All materials should be properly removed and dismantled however, materials that can be reused must be thoroughly cleaned and free

of debris and the like, and must be returned to the management of Palawan State University. All demolition works shall be done under the direct supervision and approval of the Project Engineer.

2.2.5 STRIPPING: Turf, weeds, and topsoil shall be stripped to a depth of 152 mm in areas where buildings, walks, streets and other paving is shown. In other areas to be excavated or graded, topsoil which is suitable for subsequent top soiling operations under this Contract, and is approved for quality shall be stripped to full depth of topsoil and conserved, except where new grades are to be the same as or not over 152 mm above existing grades. Topsoil which is suitable for reuse shall be placed in storage piles convenient to area that is subsequently to receive application of topsoil. Topsoil shall be kept separate from other excavated materials and shall be free from roots, stones larger than 51 mm, and other undesirable material that would interfere planting.

2.3 LAYOUT AND STAKING

The drawings indicate layout of grounds and building and existing and final site grades. Contractor shall be responsible for laying out the site and buildings and setting stakes in complete conformity with the drawings.

The building lines shall be staked out and all lines and grades be accurately established before any excavation is started.

Batter boards where construction reference marks have been indicated should be erected such that they would not be disturbed during the excavation for the foundation of the building.

2.3.1 MATERIALS:

For layout and staking, the following materials shall be used:

0.8 mm #45 string monoline nylon
1/4" ordinary plywood
2" x 2"x 10ft coco lumber
2" x 3"x 10ft coco lumber
2 inches CWN
3 inches CWN
Soil Termiticide Liquid Concentrate

2.4 SOIL TREATMENT AGAINST TERMITES

2.4.1 PROTECTION: Safety measures such as full-face mask, coverall, etc. shall be used by the authorized exterminator. The chemical shall only be applied by a duly licensed exterminator by Fertilizer and Pesticide Authority and shall be a licensed contractor accredited by the Philippine Contractor's Accreditation Board.

2.4.2 SUBMITTAL: The Contractor shall submit to the Project Management Office the licenses indicated in item 2.4.1, and a detailed system of application of chemicals, for approval

2.4.3 MATERIALS: The chemical shall be as approved by the Owner.

2.4.4 APPLICATION: Application of soil poisoning chemicals shall use a 2% concentrated solution with the following dosage rates:

STRUCTURES	DOSAGE
Ground Floor	4 liters per square meter
Slabs, parking area	
Utility pipes, Floor furnace or any	30 liters per opening
Protrusion from sub grade entering	
The building	

Retaining walls and backfill materials	50 liters per meter per floor level
Plant boxes inside to be located	
Inside and perimeter of the building	16 liters per meter per one (1) Meter depth

2.5 EQUIPMENT RENTAL

This item of work includes the equipment rental of excavator for clearing and grubbing, in order to do the work properly & efficiently.

3.0 EARTHWORKS

PART I-GENERAL

1 .1 SCOPE

This section includes all materials, labor, equipment and the performance of all operations in connection with the excavation, filling/backfilling and compacting of utilities, i.e., water distribution system, sanitary/sewage system, storm drainage system and underground electrical distribution system as indicated in drawings and this specification.

1.2 GENERAL REQUIREMENTS

1.2.1 PROTECTION OR REMOVAL OF UTILITY LINES: Existing utility lines that are indicated on locations which are made known to the Contractor prior to excavating and trenching operations. Shall be protected from damage during excavating. Trenching and backfilling and if damaged, shall be repaired by the Contractor at his own expense. When utility lines that are to be removed are encountered within the area of operations, the Contractor shall issue notices with ample time for the necessary measures to be taken to prevent interruption of the service.

1.2.2 PAVEMENT REMOVAL AND REPLACEMENT: Where it is necessary & applicable to cut existing pavement, curbs, and gutters, the Contractor shall make cut with neat, parallel straight lines. Cut shall be made at least 305 mm wider than trench width on each side of the trench. Replace pavement, curbs and gutters to same cross section as the original using materials the same as the original construction.

PART II – PRODUCTS

2.1 MATERIALS

2.1.1 SELECT BACKFILLING MATERIAL: Select backfill material shall consist of sand, stone, gravel, or stone screenings, uniformly graded and free from an excess of soft or unsound particles or other objectionable material.

2.1.2 SATISFACTORY FILL MATERIALS: Shall include materials classified as gravel, gravel sand mixtures, sand, gravelly sand, silty sands, gravel-silt mixtures, silty gravels, clays and other materials as approved by the Project Management Office.

PART III – EXECUTION

3.1 EXCAVATING

All excavation shall be made to the grade indicated in the drawings. Where the

building site is covered with any kind of fill, the excavation for footings shall be made deeper until the specified safe bearing capacity of the soil is reached.

Execute all excavations needed as per plan to a given or stipulated depths. Excavated materials shall be piled on one side only of trenches in such a manner as to permit ready access to and use of existing utility system appurtenances. Keep surface drainage of adjoining areas unobstructed. All excavated materials not required for backfill shall be removed from jobsite. Water shall be removed by pumping or other approved method and shall be discharged at a safe distance from the excavation. Duct or cable can be safely and properly installed and backfill can be compacted to specified densities to properly install underground conduits.

3.2 BACKFILLING

3.2.1 Backfilling of excavations: When the concrete poured for foundation has hardened and can already withstand the pressure resulting from fills, the materials removed from excavations shall be used for backfilling them. The fills and backfills shall be placed in layers not more than 150mm (6'') in thickness. Each succeeding layer shall be thoroughly compacted by wetting, tamping and rolling.

3.2.2 Backfilling for utilities: Backfilling shall be coordinated with testing of utilities. Backfill shall be brought up evenly on both sides of pipe for its full length, and shall be thoroughly less than 305 mm for water mains, and storm drain and 610 mm for sewer mains. Care should be taken not to damage pipe or special coatings on pipe. The remainder of backfill material shall be then deposited in the trench in 305 mm maximum layers. Trenches and excavation pits improperly backfilled, or where settlements occur, shall be reopened to the depth required to obtain the specified compaction, then refilled and compacted with the surface restored to the required grade and compaction.

3.3 FILLS

3.3.1 PREPARATION OF GROUND SURFACE FOR FILL: Ground surface on which fill is to be placed shall be stripped of live, dead or decayed vegetation, rubbish, debris, and other materials as approved by the Architect. On areas shown to be covered with buildings or paving, compact existing ground to densities specified hereinafter for sub grade preparation.

3.3.2 FILLS: Construct earth fills from satisfactory fill materials, as approved by the Architect, free of organic or frozen material, or rocks with maximum dimensions greater than 76.2 mm. Please fill material in successive horizontal layers of loose material not more than 230 mm in depth. Each layer shall be spread uniformly on prepared surface and plowed, disked, or otherwise broken up; moistened. or aerated as necessary to bring moisture content to approximately optimum level; thoroughly mixed, and compacted to required densities.

3.4 COMPACTION

Compaction shall be by rolling with approved walk behind compactor, well suited to the particular soil being compacted. Material shall be moistened or aerated as necessary to provide the moisture content that will facilitate obtaining the specified compaction with the equipment utilized.

3.5 SUBGRADE PREPARATION

Sub grade shall be formed to line, grade, and cross section, and compacted as specified. This operation shall include plowing, and any moistening or aerating required obtaining

specified compaction. Soft or otherwise unsatisfactory material shall be removed and replaced with satisfactory material as directed in this specification. Low areas resulting from removal of unsatisfactory material or excavation or rock shall be brought up to required grade with satisfactory materials, and entire sub grade shaped as indicated and specified. Elevation of finished sub grade shall conform to elevation shown in the detailed drawings.

3.6 EQUIPMENT RENTAL

This item of work includes the equipment rental of excavator and walk behind compactor, in order to do the work properly & efficiently.

4.0 CONCRETE MASONRY WORKS

PART I-GENERAL

1.1 SCOPE

This section includes all materials, labor, equipment, and the performance of all operations necessary for the completion of concrete masonry units works as indicated in drawings and the specifications mentioned therein.

1.2 SUBMITTALS

1.2.1 SAMPLES: Submit specimen of concrete masonry units (referred to here as concrete hollow blocks or CHB) before delivery of such materials. For CHB units, submit ten pieces for each type of masonry unit and three pieces of 3 feet long for each size of reinforcement.

1.2.2 TESTING AND TEST RESULTS

a. Prior to delivery of any unit to the project site, the contractor shall furnish certificates from an approved testing laboratory showing the concrete masonry units of the types supplied complying with this specification.

b. Rejection: In case CHB units fail to conform with the test requirements, sort and select new specimens at random and test at Contractor's expense. The entire lot is rejected in case the second test fails to conform to test requirements.

1.3 PROTECTION AND STORAGE

Concrete masonry units shall be handled with care to prevent chipping and breakage. Storage piles, stacks or bins shall be located as to avoid being disturbed or shall be barricaded to protect these materials from damage by construction operations and traffic. Masonry units shall be stacked on platforms and covered or stored in any either approved manner that will protect these materials from contact with soil and exposure to the weather. Cement shall be stored off the ground under watertight cover and away from sweating walls and other damp surfaces until ready for use. Damaged or deteriorated materials shall be removed from the premises.

1.4 VISUAL INSPECTION

Use units that are sound and free from cracks and other defects. Prepare units that are intended to serve as a base for surface to afford good bond.

PART II – PRODUCTS

2.1 MATERIALS

2.1.1 CONCRETE MASONRY UNITS: Shall conform to PTS 661-090-11, type 1 with nominal fare dimension of 200 mm x 400 mm (8" x 16") and nominal thickness as indicated in the drawings, JACKBIL T brand. For exposed wall construction, the face of units shall be free of cracks, chips and other imperfections.

a. HOLLOW LOAD BEARING UNITS: Load bearing units shall be Class A with compressive strength at 28 days as follows:

Average of five tests: 1,350 psi
Individual test : 1,000 psi

Hollow load bearing units shall be used for all exterior wall and other load bearing walls.

b. HOLLOW NON-LOAD BEARING UNITS: Non-load bearing units shall be

Class B with compressive strength at 28 days as follows:

Average of five tests: 700 psi
Individual test : 600 psi

Hollow non-load bearing units shall be for all interior non-bearing walls and partitions not exceeding 3.05 meters in height except that at the option of the Contractor, load bearing units may be used in lieu of non-load bearings units.

2.1.2 SPECIAL MASONRY UNITS: Corner, corner return, control joint, header, lintel and bond beams, sash, jamb and sill where required shall be as manufactured commercially to suit specification requirements. Special masonry units shall be of uniform texture and exposed surfaces to match the masonry units and be free of crack and broken edges.

Lintel and bond beams, and sill shall be fabricated from 3,000 psi compressive strength concrete.

2.1.3 REINFORCEMENT: Reinforcing steel bars shall conform to PTS 681-04-02, Notations DSD 41, Grade I of size as indicated on drawings. Splices shall be formed by lapping bars as shown and wire tying them. Splices in adjacent horizontal bars shall be staggered. Reinforcement for lintel and bond bearing when not indicated shall not be less than two of 12 mm diameter bars.

PART III – EXECUTION

3.1 INSPECTION

Proper handling and storage of material shall be verified and test reports and certificates shall be checked before the start of concrete masonry unit work. During installation, cracked or broken units shall be rejected. Bond pattern and layout shall be checked to insure minimum cutting and breaking of bond units. Critical details such as control or expansion joints and reinforcing bars shall be verified for proper installation. Proper procedures shall be utilized during work stoppages or between work days. All finished wall surfaces shall be cleared and ready for further protective coating.

3.2 INSTALLATION

3.2.1 GENERAL REQUIREMENTS: Only dry masonry units shall be laid and unless otherwise indicated, units shall be laid in running bond pattern with vertical parts breaking on the center of units of course below. Masonry saw shall be used to cut and fit masonry units, and whenever possible, full units of the proper size shall be used in lieu of cut units. Cutting and fitting where required to accommodate the work by others shall be done by masonry mechanics using power masonry saws. Units shall be wet cut. All cut edges shall be neat, true and sharp as possible. Units shall be laid with full mortar coverage on horizontal and vertical face shells except that webs shall also be bedded in all starting courses on footings and around cells that are to be reinforced and files. One section of any wall shall not be carried up in advance of the others. Horizontal reinforcement shall be deformed reinforcing bars. Set back unfinished work for joining with new work. Toothing shall not be permitted. Bolts, inserts, anchors and other built-in items shall be installed as work progresses. Cells containing embedded items shall be solidly grouted.

3.2.2 REINFORCED MASONRY: Units shall be laid with full head and bed joints in running bond and laying shall be done so as to preserve the unobstructed vertical continuity of cores to be filled. Cross webs adjacent to vertical cores to be filled with grout shall be fully embedded in mortar to prevent leakage of grout. Reinforcements shall be positioned accurately as indicated and horizontal reinforcements shall be embedded in grout as laying proceeds. Only masonry units free from chipped edges or other imperfections shall be laid for all exposed masonry surfaces. All wall openings shall be provided with an additional reinforcing bar all around the opening. Rebar shall be 12 mm diameter when not indicated in the plans. All mortar protruding into grout spaces shall be removed prior to grouting. Clean-out holes shall be provided at the bottom of every core containing vertical reinforcement when grouting height exceeds 610 mm. Clean-outs shall be plugged after reinforcement and final cleaning of the grout spaces have been completed. Backfill foundation walls seven days after grouting of cells have been completed.

3.3 JOINTING

Joints in exposed masonry surfaces shall be tooled slightly concave, unless indicated otherwise. Tooling rod shall be 12 mm minimum size. Joints shall be tooled when the mortar is "thumb right" hard. Joints in concealed masonry and joints above electrical outlet boxes in wet areas shall be struck flush. Joints in masonry shall be brushed to remove all loose and excess mortar. Reinforced masonry foundation walls shall be backfilled a minimum of seven days after grouting of cells have been completed.

3.3.1 LINTEL AND BOND BEAMS: Lintel and bond beams shall consist of beam units reinforced as indicated but not less than two of 1 2 mm diameter bars where not indicated, and shall be filled with grout. When laying open bottom type bond beam units over cells not to be filled with grout, a wire mesh or small mesh metal lath shall be placed under bond beam units to contain grout within the spaces. Structural bond beams shall be continuous at control joints and discontinuous at seismic and expansion joints. Sills shall be set only with the ends bedded in mortar; remainder of all joint shall be left open until painting. Slip type sills shall be set in full mortar bed: Vertical joints in sills shall be pointed with mortar. sills shall have drip grooves on underside where units overhang the walls.

3.4 POINTING AND CLEANING

All holes in exposed masonry surfaces shall be pointed. All shall be not out and tuck point-solid with mortar. Excess loose mortar shall be" removed from all exposed masonry and finished masonry surfaces shall be left free from loose mortar and stain. All exposed surfaces of masonry shall be cleaned from the top down with either a solution of trisodium phosphate and household detergent or muriatic acid and clean water. Surfaces shall be free from mortar stain, dripping efflorescence and other foreign substances.
Cleaning will be as follows: Wet walls thoroughly before applying solution. Scrub walls with stiff fiber brushes. Apply cleaning solution in the following proportion: 1/2 cup trisodium phosphate and 1/2 cup household detergent in one gallon of clean water. One part commercial grade of muriatic acid to nine parts of clean water. Rinse surfaces with clean water.

3.5 PROTECTION OF COMPLETED WORK

Staining of masonry facing shall be prevented by immediately removing any misplaced grout or mortar. All sills, ledges, and offsets shall be protected from mortar droppings or other damages during construction.

3.6 TOLERANCE

3.6.1 REINFORCEMENTS: Minimum vertical shall be 30 diameters or 204 mm whichever is longer.
Minimum joint reinforcement overlap shall be 203 mm.
Minimum clear distance between vert~1 reinforcements shall be 1 2 mm
Minimum clearance to masonry shall be 1 2 mm
Reinforcement shall be furnished in straight turns of not less than 3.05 meters.

3.6.2 MASONRY: Shall be set plumb and true-to-line with level horizontal joints within the following tolerances.

a. Variation from plumb in the lines and surfaces of columns, walls and arises;
- In adjacent masonry units 3.2 mm
- In 3.05 meters 6.3 mm
- In any storey or 6.10 meters 9.0 mm
- In 12.20 meters 12 mm

b. Variation of the linear building lines from established positions in the plan and related portions of columns, wall and partitions.
- In any bay or 6.10 meters In 12.20 meters 37 mm 19 mm

c. Joints
- Nominal Maximum 9 mm 12 mm

5.0 ARCHITECTURAL STEEL WORKS

PART I- GENERAL

1.1 SCOPE

This section may include all materials, labor, equipment, and the performance of all operations necessary for the completion of steel works as indicated in the drawings and this specification.

1.2 GENERAL REQUIREMENTS

The steel fabricated of shapes and dimensions shown, shall be placed where indicated on the drawings or reasonably required to carry out the intent of the drawings and specifications. Before placing, all accent steel elements shall be thoroughly cleaned of rust, mill scale or coatings which reduce or destroy the bond. Following any substantial delay in the work, previously placed reinforcement, left for future bonding, shall be inspected and cleaned. Reinforcements shall not be bent or straightened in a manner that will injure the material. Bars with kinks or bends not shown on the drawings shall not be placed.

PART II- PRODUCTS

2.1 MATERIALS

2.1.1 STAINLESS STEEL PIPE: Shall conform to the latest edition of American Standard for Testing and Materials (ASTM A307), Low Carbon Steel Externally and Internally Threaded Standard Fasteners.

2.1.2 BOLTS NUTS AND WASHER: Shall be zinc-coated commercial, grade size as indicated; shall be Grade A, and shall conform to ASTM A307 as previously specified.

2.1.3 WELDING ELECTRODES AND RODS: Shall conform to American Welding Society (AWS) AS, 1 B60 or AS.5 E70 entitled to "Mild Steel Covered Arc Welding Electrodes" and Low Alloy Steel Covered Arc Welding Electrodes" respectively.

PART III – EXECUTION

3.1 INSPECTION

All works shall conform to the approved shop drawings. Verify correctness of anchor bolt locations and alignment. The production work shall not start until satisfactory conditions are corrected.

3.2 WORKMANSHIP

Workmanship and finished shall be equal to the best prevailing trade practice and modern shops for the respective work. All works shall have a smooth finish and sharp, well-defined lines, sections shall be well framed to shape and size with sharp lines and angles. Curved work shall be sprung evenly to curves. All necessary rabbets, lags and brackets shall be provided so that the work can be assembled in a neat and substantial manner. Holes for bolts and screws shall be drilled.

Fastening shall be concealed where practicable. Thickness of metals and details of assembly and supports shall provide ample strength and stiffness. Joints exposed to the weather shall be formed to exclude water. Metal work shall be provided with the proper levels and clearances. Work shall be fabricated and installed in a manner that will provide for expansion and contraction; prevent the shearing of bolts, screws and other fastenings, ensure rigidity and provide close fittings of sections.

Anchor and bolts shall be provided where indicated and where necessary for fastening work in place; they shall be embedded in the concrete and masonry as the work progresses, and shall be spaced about 2 feet on center unless indicated or specified otherwise. Anchors and anchor bolts in exterior walls exposed to weather shall be zinc-coated. All those in other locations shall be coated heavily with bituminous paint.

3.4 EQUIPMENT RENTAL

This item of work includes the equipment rental of welding machine and angle grinder, in order to do the work properly & efficiently.

6.0 TILING WORKS & FLOOR FINISHING WORKS

PART I- GENERAL

1.1 SCOPE

This section may include materials, labor, equipment, and the performance of all operations necessary for the completion of tile & flooring works as indicated in the drawings and this specification.

PART II- PRODUCTS

2.1 MATERIALS

2.1.1 FLOOR POLISH CONCRETE: Refer specification under section 6.0 Concrete Works

2.1.2 400X 400 NON-SKID CERAMIC TILE: Use for the stairs, conforming and/or meeting the requirement/specification of the latest ASTM

2.1.3 600X 600 UNGLAZED CERAMIC TILES: Conforming and/or meeting the requirement/specification of the latest ASTM

2.1.4 300 X 600 GLAZED CERAMIC TILES: Conforming and/or meeting the requirement/specification of the latest ASTM

PART III – EXECUTION

3.1 GENERAL:

Floor finishes for this project are as follows: it shall be 0.30m x 0.60m non-skid for stairs, for all rooms and offices used a floor polished concrete cement. In toilet floor area used 0.60 x 0.60m unglazed ceramic floor tiles; and for toilet walls it shall be 0.60m x 0.60m glazed ceramic tiles.

In laying of tiles, established first the border lines center wires in both directions to permit laying pattern with minimum of cut tiles before spreading of setting bed. Lay floors without borders from center line outward and make adjustment at walls.

Clean concrete sub floor and moisten it without soaking. Sprinkle dry cement over surface. Spread setting bed mortar on concrete and tamp to assure good bond over the entire area then screed to smooth and level. Set average setting bed thickness at 3 /4'' but never less than ½''. All tiles to be installed on the walls shall be paste on the surface with cement mortar with tile adhesive compound, and all joints shall be filled with tile grout of approved color.

All tiles to be used for this project shall be of the first-class quality. Each piece should be free from chipped-off corners, serrated edges or other defects. The tiles must be set in place accurately and firmly with the required adhesive. Grout color should be approved first prior to application.

3.2 EQUIPMENT RENTAL

This item of work includes the equipment rental of angle grinder, in order to do the work properly & efficiently.

7.0 PAINTING WORKS

PART I- GENERAL

1.1 SCOPE

This section may include materials, labor, equipment, and the performance of all operations necessary for the completion of painting works as indicated in the drawings and this specification.

PART II- PRODUCTS

2.1 MATERIALS

2.1.1 RED OXIDE PRIMER: Use for roof truss & purlins and steel railings, conforming and/or meeting the requirement/specification of the latest ASTM

2.1.2 LACQUER THINNER: Use for roof truss & purlins and steel railings, conforming and/or meeting the requirement/specification of the latest ASTM

2.1.3 EPOXY TOP COAT: Use for steel railings, conforming and/or meeting the requirement/specification of the latest ASTM

2.1.4 FLAT LATEX PAINT PRIMER WHITE: Use for masonry wall & ceiling as primer, conforming and/or meeting the requirement/specification of the latest ASTM

2.1.5 LATEX PAINT SEMI GLOSS TOP COAT: Use for masonry wall & ceiling as final coat, conforming and/or meeting the requirement/specification of the latest ASTM

2.1.6 SKIM COAT: Use for masonry wall & ceiling for smoothening surface, conforming and/or meeting the requirement/specification of the latest ASTM

PART III - EXECUTION

All painting works for this project shall be executed in the first-class workmanship. Surface to be painted should be clean & dry. Remove all mortar, dust, grease, rust and all possible contaminants that may be present on areas to be painted. Secure joints & surface defects such as cracks, dents and holes must be filled with putty and sandpapered before final coat of paint is applied. Final paint color coating shall first be checked for approval prior to the completion of this item of work.

These works would cover three (3) coats of paint (one coat for primer and two coats for final color) it must serves in all interior and exterior ceiling surfaces.

Paint contractor shall consist of necessary tools, equipment and materials for the satisfactory completion of the work. All surfaces shall be smooth and true to the line with no tolerance for imperfection.

Loose-Pin Steel Hinges (4 pcs)
Cylindrical Knob Lockset
Paint Finish

WINDOWS SCHEDULE

W1: Grille Window with 2"x4" Tubular Jamb (as shown in the drawing)
2 sets required
Size: 2.00m x 3.55m and 2.00m x 1.05m

Accessories and Finishes
2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W2: Grille Window with 2"x4" Tubular Jamb (as shown in the drawing)
4 sets required
Size: 3.00m x 3.55m and 1.00m x 1.05m

Accessories and Finishes
2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W3: Grille Window with 2"x4" Tubular Jamb (as shown in the drawing)
6 sets required
Size: 4.00m x 3.55m

Accessories and Finishes
2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W4: Grille Window with 2"x4" Tubular Jamb (as shown in the drawing)
2 sets required
Size: 4.00m x 2.75m

Accessories and Finishes
2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W5: Analok Aluminum Awning Window (as shown in the drawing)
1 set required
Size: 4.80m × 0.60m

Accessories and Finishes
1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W6: Analok Aluminum Awning Window (as shown in the drawing)

8.0 SCHEDULE OF DOORS & WINDOWS

All doors and windows to be used shall be in accordance with the schedule of doors and windows drawing plan. All measurements shall be verified on site and shop drawings must be submitted and approved prior to its actual fabrication.

Before placing orders and start of fabrication, the Contractor shall submit to the Project Management Office for approval, shop drawings of all wooden doors including details of section and hardware.

Doors and Windows to be installed are as follows:

DOORS SCHEDULE

D1: **2 sets required**
Size: 2.03m x 2.50m
Accessories and Finishes
2"x4"x5mm Tubular Steel Frame 25mm Solid Square Steel Bars
Heavy-Duty Heavy Hinges & Lockset Epoxy Primer & Metal Paint Finish

D2: **4 sets required**
Size: 1.04m x 2.50m
Accessories and Finishes
2"x4"x5mm Tubular Steel Frame 25mm Solid Square Steel Bars
Heavy-Duty Heavy Hinges & Lockset Epoxy Primer & Metal Paint Finish

D3: Solid Panel Door on 2"x6" Wood Jamb (as shown in the drawing)
1 set required
Size: 1.00m x 2.15m (Net:0.90m Panel)
Accessories and Finishes
Kiln-Dried Solid Hardwood Panel Door 2"x6" Yakal/Hardwood Jamb Matrix
Heavy-Duty Brass Ball-Bearing Hinges (4 pcs) Lever-Type PWD Compliant Lockset, Paint Finish

D4: Solid Panel Door on 2"x6" Wood Jamb (as shown in the drawing)
4 sets required
Size: 0.90m x 2.15m (Net:0.80m Panel)
Accessories and Finishes
Kiln-Dried Solid Hardwood Panel Door
2"x6" Hardwood Jamb Matrix
Loose-Pin Steel Hinges (4 pcs)
Cylindrical Knob Lockset
Paint Finish

D5: Solid Panel Door on 2"x6" Wood Jamb (as shown in the drawing)
1 set required
Size: 0.80m x 2.15m (Net:0.70m Panel)
Accessories and Finishes
Kiln-Dried Solid Hardwood Panel Door
2"x6" Hardwood Jamb Matrix

1 set required
Size: 3.60m × 0.60m

Accessories and Finishes

1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W7: Analok Aluminum Awning Window (as shown in the drawing)
1 set required
Size: 3.00m × 0.60m

Accessories and Finishes

1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W8: Analok Aluminum Awning Window (as shown in the drawing)
1 set required
Size: 2.40m × 0.60m

Accessories and Finishes

1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W9: Analok Aluminum Awning Window (as shown in the drawing)
1 set required
Size: 1.80m × 0.60m

Accessories and Finishes

1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

The designs and specifications of materials for doors and windows to be installed for this project are shown in the Schedule of Doors and Windows detail drawings. Discrepancy in all actual size must be conform to the Project management office for its recommending approval.

9.0 TOILET PARTITIONS WORKS

Installation for cubicle toilet partitions

PART 1- GENERAL

1.1 SCOPE

This section includes all materials, labor, equipment and the performance of all operations necessary for the completion of all toilet partitions.

1.2 GENERAL REQUIREMENTS

1.2.1 DELIVERY AND STORAGE: Delivery materials to site in undamaged condition. Stack dampness before and after delivery. Store under cover in well-ventilated enclosure, not exposed to extreme changes of temperature and humidity. Do not store finished lumber and millwork in buildings until concrete, masonry and plaster are dry.

1.2.2 SIZE AND PATTERNS: pattern or shapes indicated shall conform to the standard design layout and specifications.

PART II- PRODUCTS

2.1 MATERIALS

Toilet doors and Cubicle Partitions

2.10m x 2.40m x 12mm Phenolic Board– shall be used for toilet partitions, doors and urinal partitions this item must have edge strip that must be same color.

Stainless steel angle clip- size must be verified and approved by the project management office

Aluminum foot stand – shall be used for support of two board partitions and mount properly at floor surface.

PART III- EQUIPMENT RENTAL

This item includes wood router and handrill, in order to do the work properly and efficiently.

10.0 REINFORCING STEEL WORKS

PART I-GENERAL

1.1 SCOPE

This section includes all materials, labor, equipment, and the performance of all operations necessary for the completion of all reinforcing steel works as indicated in the drawings and this specification.

1.2 GENERAL REQUIREMENTS

The reinforcements fabricated to shapes and dimensions shown, shall be placed where indicated on the drawings or reasonably required to carry out the intent of the drawings and specifications. Before placing, all reinforcements shall be thoroughly cleaned of rust, mill scale or coatings which reduce or destroy the bond. Reinforcements shall not be bent or straightened in a manner that will injure the material. Bars with kinks or bends not shown on the drawings shall not be placed.

1.3 SHIPPING

Ship bar reinforcement in standard bundles, properly tagged and marked in accordance with the Code of Standard Practice of the Concrete Reinforcement Steel Institute (CRSI).

1.4 BAR SUBSTITUTION

Bar substitution is authorized only upon approval of the Engineer In-charge. Substitute bar with areas equal or greater than the designed areas.

1.5 SUBMITTALS

1.5.1 DRAWING: Shop details and placing drawings for reinforcing steel, including bending and splicing.

1.6 QUALITY ASSURANCE

1.6.1 REFERENCE SPECIFICATIONS: The following shall have their reference specification as follows:

a. **STEEL REINFORCING BAR:** adherence to Philippine National Standard (PNS 49:2020), as well as the global ASTM Standard (ASTM A615/A706) established by the American Society for Testing and Materials (now known as ASTM International).

b. **REINFORCING STEEL WELDING CODE:** American Welding Society AWS 012.1.

PART II – PRODUCTS

2.1 MATERIALS

2.1.1 REINFORCING STEEL BARS: Shall conform to Philippine National Standard (PNS 49:2020).

2.1.2 WELDING WIRE FABRIC: Shall conform to ASTM A 185 or of size shown. Where the size, mesh and weight of the fabric are not indicated, the fabric shall be six-inch by six-inch mesh (150 x 150 mm), 10-gauge wire.

2.1.3 ACCESSORIES: Accessories such as hanger bars, chairs, spacers, supports and other devices necessary to install and secure the reinforcements properly shall be as indicated on the drawings.

2.1.4 TIE WIRE: Shall be 16 AWG galvanized.

2.2 FABRICATION

Fabrication shall be per approved drawings. All reinforcing bars shall be bent cold, unless otherwise directed by the Engineer and shall not be bent after being partially embedded in hardened concrete. Cutting of reinforcement shall be by mechanical methods.

PART III – EXECUTION

3.1 PLACING OF REINFORCEMENTS

Bars shall be placed accurately and securely as shown on the drawings. Mats or grids shall be wired together at the intersections. Intersections shall be wired alternately with a maximum of 610 mm on center wire to prevent displacement by construction loads before and during placing of concrete. Bars shall be supported by approved chairs, or spacers, or by metal hangers and on the ground by concrete blocks or other approved non-corrodible material. Welded wire fabric shall be accurately and securely supported similar to bar support, and shall be lifted during placing of concrete, to insure proper position. Fabrics

shall be continuous through contraction joints and construction joints butt shall not be extended through expansion joints in slabs on ground. Adjustment of reinforcements shall be within the allowable tolerances to avoid interference with other reinforcing steel, conduits, or embedded items. Bars No. 11 and smaller shall be securely wire-tied to prevent displacement of splices during a placement of concrete and bars larger than No. 11 shall be butt-spliced in accordance with Specification AWS D12.1. Bars shall not be spliced except at locations shown on drawings. Exposed bars intended for bonding with future work shall be protected from corrosion by wrapping with rag felt and coating with a bituminous coating.

3.2 TOLERANCES

3.2.1 MAXIMUM CONCRETE COVER: Maximum requirements shall take precedence over permissible variations.

3.2.2 MAXIMUM FREE EXTENSION OF STANDARD HOOKS AND BENDS: Shall be as follows:

a. 180 degree BEND: Four bar diameters but not less than 63 mm.

b. 90 degree BEND: Twelve bar diameters

c. STIRRUP AND 90 degree and 135-degree BENDS: Six bar diameters but not less than 112 mm

3.2.3 MINIMUM DIAMETER OF BENDS: Shall be 6 bar diameters for 10 mm through 25 mm through 36 mm bars. Minimum diameter of bends of stirrups and ties shall be 37.5 mm for 10 mm bars, 50 mm for 12 mm bars and 62 mm for 50 mm bars.

3.2.4 SPLICING: Reinforcing steel bars 36 mm and smaller shall have a minimum lap of 24 bar diameters for compression and 40 bar diameters for tension bars. Welder wire fabric shall be lapped not less than one mesh plus 50 mm.

3.3 EQUIPMENT RENTAL

This item of work includes the equipment rental of cut-off machine, in order to do the work properly & efficiently.

11.0 FORMWORKS AND SCAFFOLDINGS

FORMWORKS
PART I – GENERAL

1.1 SCOPE

This section includes all materials, labor, equipment and the performance of all operations necessary for the completion of the setting of formworks and other related works in accordance with the drawings and this specification.

1.2 STORAGE OF MATERIALS

Store form work materials that are not to be used immediately in designated areas on platforms at least 0.60 meter above ground and keep free from moisture, water and the elements.

1.3 QUALITY ASSURANCE

1.3.1 REFERENCE SPECIFICATION: The following shall have its reference

specification as follows:

a. **PLYWOOD:** Standard specification of PNS ISO 12465:2017, PNS 196:2000

PART II – MATERIALS

2.1 MATERIALS

Use wood or structural hardwood board to produce smooth finish of concrete.

2.1.1 FORM LUMBER: Shall be stress graded or merchantable and shall be of non-staining species and dressed on concrete forming side if to be used for exposed surfaces.

a. Un-exposed concrete surface: Use class 2 common lumber or better.

b. Exposed concrete surface: Use dressed lumber of uniform thickness not more than 250 mm wide.

2.1.2 PHENOLIC: Commercial standard, moisture resistant not less than five (5) ply and at least 12 mm thick conforming to PNS ISO 12465:2017

2.1.3 FORM TIES: Use factory-fabricated, removal or snap-off metal, fixed or adjustable in length. The hole left by the ties in the concrete surface shall not be larger than 2.5 mm.

2.1.4 FORM OIL: Use colorless mineral oil conforming to ASTM. D-1500. Required viscosity is equal to 70 seconds but not more than 110 seconds at 38 degrees centigrade and to be determined as per ASTM Standards RD 88 and D 92 respectively.

PART III – EXECUTION

3.1 CONSTRUCTION OF FORMS

Formwork shall have adequate cleanest opening to permit inspection and cleaning. Joints shall be located at the junction of form work panels where feasible. Formwork joints shall be solidly backed and leak proofed. Form surfaces on concrete side shall be given one coat form oil after fabrication or cleaning and second coat just prior to rebar placing. Excess oil shall be wiped off. Form oil shall be kept off from reinforcement and embedded items. Forms shall be properly maintained throughout the concrete work to accommodate rate and methods of placing concrete; to support load of wet concrete, and vertical, horizontal and impact loads during construction, and to minimize abnormal deflections during and after concrete placement. Form shall be provided with positive means of adjustment to permit realignment or readjustment of shores.

3.2 REMOVAL OF FORMS

Forms shall be removed in manner and sequences to ensure complete safety of structure, and without damage to concrete surfaces. Side forms for beams, girders and walls three feet or less may be removed as directed by the Engineer earlier than otherwise specified. Time of removal of forms shall be as follows:

Structural Members	Curing Period/Removal of Formwork after:
Footings	1-5 days
Wall/Plaster	1-2 days
Column	2 days or more

Slabs	5-7 days or more
Beam (sides)	3 days
Beam (bottom)	14 days

3.3 TOLERANCES

3.3.1 CAST-IN-PLACE CONCRETE: Formwork tolerance for cast-in-place concrete from plumb shall be as follows:

a. Lines and surfaces of columns, piers, walls and arises: 6 mm per 3.05m but not more than 25 mm.

b. Exposed corner columns, control joints, grooves and all conspicuous lines:

- In any bay: 6 mm
- Distances up to 6.10 meters: 6 mm
- Distances up to 12.20 meters: 12 mm

Formwork tolerance for cast-in place concrete from level and grade shall be as follows:

a. Floor surfaces:

- In 3.05meter : 3.2 mm
- In 6.10 meter : 6.0 mm
- In 12.20 meter: 12.0 mm
- In any bay : 6.0 mm

b. All other surfaces:

- In 3.05meter : 3.2 mm
- In 6.10 meter : 9.5 mm
- In 12.20 meter: 19.0 mm
- In any bay : 9.5 mm

SCAFFOLDINGS

PART I – GENERAL

1.1 SCOPE

This section includes rentable materials, labor, equipment and the performance of all operations necessary for the completion of the setting of scaffoldings and other related works in accordance with the drawings and this specification.

1.2 STORAGE OF MATERIALS

Scaffolding H frame and steel pipes shall be brought to the project site at proper time so as not to jeopardize the execution of other work activities as schedules care should be taken to prevent damage or injury to delivered materials while on storage and awaiting incorporation into the project. The item shall be placed at the site where it could properly store and not cause any hazardous in the area, contractor also provide its own store man to prevent missing equipment in the field.

PART II- PRODUCTS

2.1 MATERIALS

All material type to be used under Q235 Q255 Q345, H Frame Scaffolding System. Surface treatment is HDG/Galvanized/Painted etc. Certified with ISO9001:2000 ISO9001:2008 &

Standard EN74 BS1139 AS1576. Easy assemble, strong loading capacity, safety and stability. Walk through type & ladder type with the following components:

2.1.1. SCAFFOLDING FRAMES: conforming to the aforementioned standard

2.1.2 JOINT PIN: conforming to the aforementioned standard

2.1.3 BASE JACK: conforming to the aforementioned standard

2.1.4 CROSS BRACE: conforming to the aforementioned standard

2.1.5 WALKING BOARD: conforming to the aforementioned standard

2.1.6 GI. PIPES: conforming to the aforementioned standard

2.1.7 C CLAMPS: conforming to the aforementioned standard

PART III- EXECUTIONS

3.1 INSTALLATION

3.1.1 SETTING OF SCAFFOLDINGS: Before setting up your work platforms, you must inspect all of your materials before construction. Make sure none of the parts you use have any defects or damage that could compromise the structural integrity of your scaffolds.

All parts should be sourced from the same manufacturer and designed to be used together. Mismatching parts can pose a significant scaffolding hazard and lead to structural failure.

Leg braces should be correctly installed to the frame of the scaffold, the standards, planks, and scaffold are level and true. Planks, brackets, toe boards, and tubes should be installed rigidly, and the wedges should be very tight. Mud sills and base plates should be the correct size and installed rigidly to the scaffold frame. There should be at least 10' of clearance between electrical hazards and scaffolds as per safety regulations.

3.2 FIELD QUALITY CONTROL

3.2.1 SCAFFOLDING INSPECTION: After the scaffolding has been erected, it shall need to check by the safety engineer inspections in terms of connections and its properly support frames. The area should be checked over regularly for hazards, defects, debris, or other factors that could cause a problem.

3.3 EQUIPMENT RENTAL

This item of work includes the equipment rental of H-frame scaffoldings, sched.40 -2" dia. pipes and accessories, in order to do the work properly & efficiently.

12.0 CONCRETE WORKS

PART I – GENERAL

1.1 SCOPE

This section includes all labor, materials, equipment and the performance of all operations necessary for the completion of all cast-in-place concrete works in accordance with the drawings and this specification.

1.2 SUBMITTALS

1.2.1 SAMPLES: Submit samples of concrete for testing at the expense of the Contractor. Samples shall be submitted as follows:

a. One bag for each type and manufacturer of cement used.
b. One bag for each type of dry admixture used.
c. One half pint for each type of liquid admixture used.

1.2.2 TESTING: All tests shall be done by an approved private testing laboratory. Certificates of calibration from a ready-mix concrete contractor shall be issued by an approved laboratory at the beginning of the project and after each 500 cu. yards batched.

1.3 QUALITY ASSURANCE

1.3.1 REFERENCE SPECIFICATIONS: The following materials shall have their reference specifications as follows:

a. RECOMMENDED PRACTICE FOR SELECTING PROPORTIONS FOR NORMAL AND HEAVYWEIGHT CONCRETE: ACT 211.1-74 (Rev. 1975)
b. AIR ENTRAINING ADMIXTURE FOR CONCRETE: ASTM C260-1974
c. CONCRETE JOINT SEALER, HOT POURED ELASTIC: ASTM D11850 1974
d. CONCRETE JOINT SEALER, COLD APPLICATION: ASTM D1850-1974
e. PORTLAND CEMENT: PHILIPPINE STANDARD PNS 7:2005

1 .4 STORAGE OF MATERIALS

Storage accommodations accessible for inspection and identification shall be subject to approval. Store cement on platforms off ground; protect stored cement against the elements. Handle and store fine and coarse aggregates separately in a manner to provide for good drainage and the exclusion of foreign matter. Cement shall be stacked in a seven-bag pile maximum storage.

1 .5 AUTHORITY TO POUR CONCRETE

No pouring of concrete shall be done by the Contractor unless bearing surfaces and bar reinforcement have been inspected and approved by the Architect, Structural Engineer or Project Inspector and the authority to proceed has been received by the Contractor.

1.6 ENVIRONMENTAL REQUIREMENTS

Concrete shall not be poured during hot water over 90 degree F in direct sunlight and during rain storm unless protection is provided.

PART II – PRODUCTS

2.1 MATERIALS

2.1.1 CEMENT: Approved brand of Portland cement conforming to the requirements of either ASTM C 94, PNS 07, PTS 661-01-02, type I, II or III as required.

2.1.2 SAND: Clean, hard, properly graded uncoated grains free from deleterious substances, conforming with ASTM C 33 or PNS 18.

2.1.3 GRAVEL: Properly graded, maximum size of 25 mm for slabs and walls of 150 mm or less in thickness. Use minimum size as indicated in the ACI Code for beams, girders, columns and footings.

2.1.4 ADMIXTURES: Free from chlorides, conforming to ASTM C 494-651 or an approved equivalent.

2.1.5 WATER: Water used for mixing and curing concrete shall be clean and potable.

2.1.6 VAPOR BARRIER: Shall be of polyethylene sheeting, 6 mils thick conforming to ASTM Standard E 96 or an approved equivalent.

2.1.7 JOINT FILLERS: Shall be either cold applied concrete joint sealer conforming to ASTM 01850 or hot poured elastic concrete joint sealer conforming to ASTM 0119.

2.1.8 PREFORMED EXPANSION JOINT FILLER: Shall be bituminous or resilient as required and directed by the Engineer.

2.1.9 WATER STOPS: Shall be pre-molded PVC or rubber.

2.2 MIXING

2.2.1 READY-MIXED CONCRETE: Used ready mixed concrete conforming with ASTM C 94. All concrete to be used shall be plant or transit-mixed. Approval of the Owner Designated Construction Manager is required for all equipment used in mixing, transporting and placement. Ready-mixed concrete Portland cement concrete produced by a commercial establishment and delivered to site by transit mixer. One Bagger Concrete Mixer can only be allowed in concrete works of small magnitude such as stair steps, counter, low wall or the like and the Contractor shall at all times seek approval to the Owner when mixing concrete using the One Bagger Concrete Mixer.

Unless otherwise stated in the Structural Notes of the Drawings, quality of concrete, minimum 28-day strength, to be used for the various part-s of the building shall be:

DESCRIPTION	COMPRESSIVE STRENGTH
Partitions, bedded slab, side walks, curbs, gutters and non structural elements	2,500 psi
Footings, columns, beams, tie beams, girders, floor slabs and roof deck	3,000 psi

PART III – EXECUTION

3.1 PREPARATION FOR PLACING CONCRETE

Before placing concrete, remove all debris, water and other foreign materials from the places to be occupied by the concrete. Reinforcements shall be secured in position, inspected and approved.

3.1.1 INSPECTION: Formworks shall be rechecked with respect to all established line and grade references so as to ensure completed work within the allowable tolerances specified. Pertinent design assumptions including assumed values of live loads, rate of placement, height of drop, weight of moving equipment, and other pertinent information prior to designing form works shall be reviewed. The Contractor shall verify that reinforcement is free of loose scale or rust and contaminants and shall be fabricated in accordance with fabrication requirements herein specified and/or in the drawings. Reinforcement shall be checked of its allowable tolerances and splicing requirements, and shall be kept in its proper position during placement of concrete. The Contractor shall also check that all

samples and certificates are submitted and approved. All items to be embedded in concrete shall be complete and in their proper position. Partially set concrete shall not be re-tempered and used. Vibrators shall not be used excessively and when transporting concrete. Concrete flatwork shall be struck level, floated on disappearance of watershed and shall be finished as specified. Concrete shall be cured as indicated and shall be protected from flowing water shock or excessive vibration during curing.

3.2 INSTALLATION

3.2.1 PLACING CONCRETE: All earth excavation shall be free of mud and earth and fill surfaces shall be properly wetted, but not muddy, before depositing. The Contractor shall see to it that all runways shall not be supported on reinforcement. Before depositing new concrete against set concrete, existing surfaces shall be cleaned of laitance and loose particles, shall retighten forms against existing surfaces, shall thoroughly wet and slush existing surfaces with coat of neat cement grout, and shall place new concrete before grout attains initial set. Vibrators are required for all concrete works except for slabs less than 4 inches thick. When vibration is required, the Contractor shall have to maintain at least one spare mechanical vibrator on site at all times. Conveying concrete to forms shall be done as rapidly as practicable by proper methods which will not cause segregation or loss of ingredients. For vertically formed members exceeding six feet drops, trim method, when elephant trunk happens, rubber or metal drop chutes shall be used at the option of the Contractor. Splashing forms and reinforcement with concrete in advance of depositing shall be avoided. Concrete shall not be deposited after evidence of initial set or after containing mixing water for more than 45 minutes. Construction joints shall be keyed and doweled, and shall be located as shown. Application of concrete agents such as bonding, caulking, fillers, sealers shall be done in strict accordance with the manufacturer's printed instructions and recommendations.

3.2.2 VAPOR BARRIER PLACEMENT: Vapor barrier shall be provided beneath the concrete floor slabs as shown in the drawings. The material shall be placed in the greatest width and lengths practicable; so as to eliminate joints wherever possible, where joints are necessary, the material shall be tapped not less than 6 inches for the side and end laps, and sealed with approved adhesive'. Torn, punctured, or damaged vapor barrier material shall be removed and replaced as directed, prior to the placing of concrete. Concrete shall be placed in a manner to prelude to the vapor barrier material.

3.3 TOLERANCE

Vertical drop of concrete shall not be over 3 feet for slabs and horizontal works and not over 6 feet for vertically formed members. Belt conveyors and chutes shall have a maximum slope of one vertical to two horizontal and shall have a maximum height of discharge of 3 feet.

3.2.1 DEPOSITING CONCRETE: Concrete shall be deposited in layers of twelve inches to 20 inches deep. The maximum mixing time after mixing water had been introduced into the cement and aggregate shall be 45 minutes. Concrete shall be vibrated 6,000 impulses per minute. All flatwork shall be true to plane by 1/8 inch in 10.0 ft. minimum and 1-1/4 inches to 10.0 ft. maximum.

3.4 PROTECTION OF COMPLETED WORK

During construction period, concrete shall be protected from flowing water, mechanical shock or vibration.

3.5 CLEAN-UP

Upon completion of all works, all equipment, forms, protective coverings and any rubbish resulting from such work shall be removed from the site.

3.6 EQUIPMENT RENTAL

This item of work includes the equipment rental of bagger mixer and concrete vibrator in order to do the work properly & efficiently.

13.0 TEMPORARY TINSMITHRY & ROOF FRAMING WORKS

PART I- GENERAL

1.1 SCOPE

This section may include all materials, labor, equipment, and the performance of all operations necessary for the completion of temporary tinsmithry & roof framing works as indicated in the drawings and this specification.

PART II- PRODUCTS

2.1 MATERIALS

2.1.1 PRE-PAINTED RIB TYPE G.I. ROOFING SHEET: Roof covering shall be gauge 24 pre-painted rib type long span roofing sheet meeting ASTM specifications & requirements.

2.1.2 INSULATION FOAM 2-SIDED ALUMINUM FOIL: Use insulation foam with 2-sided aluminum foil conforming ASTM specifications & requirements.

2.1.4 TEKS SCREW & BLIND RIVETS: Shall be zinc-coated commercial, grade size as indicated; shall be Grade A, and shall conform to ASTM A307 or approved equivalent.

2.1.5 DRILL BIT: Shall be zinc-coated commercial, grade size as indicated; shall be Grade A, and shall conform to ASTM A307 or approved equivalent.

2.1.6 ANGLE BAR: adherence to Philippine National Standard (PNS 49:2020), as well as the global ASTM Standard (ASTM A615/A706) established by the American Society for Testing and Materials (now known as ASTM International).

PART III – EXECUTION

3.1 INSPECTION

All works shall conform to the approved shop drawings. Verify correctness of anchor bolt locations and alignment. The production work shall not start until satisfactory conditions are corrected.

3.2 WORKMANSHIP

Workmanship and finished shall be equal to the best prevailing trade practice and modern shops for the respective work. All works shall have a smooth finish and sharp, well defined lines, sections shall be well framed to shape and size with sharp lines and angles. Curved work shall be sprung evenly to curves. All necessary rabbets, lags and brackets shall be provided so that the work can be assembled in a neat and substantial manner. Holes for bolts and screws shall be drilled.

Fastening shall be concealed where practicable. Thickness of metals and details of assembly and supports shall provide ample strength and stiffness. Joints exposed to the weather shall be formed to exclude water. Metal work shall be provided with the proper levels and clearances. Work shall be fabricated and installed in a manner that will provide for expansion and contraction; prevent the shearing of bolts, screws and other fastenings, insure rigidity and provide close fittings of sections.

Anchor and bolts shall be provided where indicated and where necessary for fastening work in place; they shall be embedded in the concrete and masonry as the work progresses, and shall be spaced about 2 feet on center unless indicated or specified otherwise. Anchors and anchor bolts in exterior walls exposed to weather shall be zinc-coated. All those in other locations shall be coated heavily with bituminous paint.

3.3 SHOP PAINTING

All miscellaneous metal works except for galvanized surfaces and steel work to be embedded in concrete, shall be shop primed and site-finished. Painting shall be as specified by the Engineer.

14.0 PLUMBING WORKS

PART I- GENERAL

1.1 SCOPE

This section may include materials, labor, equipment, and the performance of all operations necessary for the completion of plumbing works as indicated in the drawings and this specification.

1.2 GENERAL REQUIREMENTS

All works, slopes and materials included herein shall be in conformity with the provisions of the latest edition of the ***Plumbing Code of the Philippines,*** the existing local ordinances, rules and regulations of the local enforcing authorities and the requirements of the local water company.

PART II- PRODUCTS

2.1 MATERIALS:

2.1.1 PVC PIPES & FITTINGS (SERIES 1000)

For Sewer, Waste, Ventilation, Storm Drainage System, use PVC pipes & fitting, conforming to the latest edition of American Standard for Testing and Materials.

All fittings and trimmings for fixtures shall be chromium plated and polished brass unless otherwise approved.

Exposed traps and supply pipes for fixtures shall be connected to the roughing-in, piping system at the wall unless otherwise indicated on the Plans.

2.1.2. PPR PIPES & FITTINGS (PN20)

For water line, use PPR pipes & fitting, conforming to the latest edition of American Standard for Testing and Materials.

Built in fixtures shall be watertight with provision of water supply and drainage outlet, fittings and trap seal.

2.1.3 FIXTURES & ACCESSORIES:

- **Water Closet w/ Bidet & complete accessories**, Grade A, meeting the ASTM specifications & requirements.
- **Lavatory W/ Lever Type Faucet & Complete Accessories**, Grade A, meeting the ASTM specifications & requirements.
- **Urinal**, Grade A, meeting the ASTM specifications & requirements.
- **Hose bibbs,** shall be made of bronze cast finish.
- **Floor Drain**, shall be made of stainless-steel beehive type, measuring 10 cm. x 10 cm. and provided with detachable stainless strainer, expanded metal lath type.
- **Roof Drain**, Scupper drains (for balconies, parapet) shall be made of bronze base with flashing.

2.1.4 SEPTIC TANK

The septic tank shall be provided as shown on the Plans including all pipe vents and fittings.

Various construction materials such as concrete masonry shall conform to the corresponding Items of this Specifications.

Inlet and outlet pipes shall conform to the latest edition of the National Plumbing Code flashing clamp bolted to flange.

PART III - EXECUTION

The Contractor before any installation work is started shall carefully examine the Plans and investigate actual structural and finishing work condition affecting all his work. Where actual condition necessitates a rearrangement of the approved pipe layout, the Contractor shall prepare Plan(s) of the proposed pipe layout for approval by the supervising Architect or Engineer.

All materials to be used shall be brand new and of the approved quality, free from defects and other deformities.

All plumbing works shall be executed under the direct supervision of a registered Sanitary Engineer or a licensed Master Plumber and prior to the concealment of the roughing-ins, a pressure test shall be conducted for approval.

3.1 INSTALLATION OF SOIL, WASTE, DRAIN, STORM AND VENT PIPES

1. Soil Pipe – All soil and drainage pipes shall be sloped at 2% or 2 cm. per 1.0 meter run but in no case flatter than one (1%) percent.
2. Horizontal lines shall be supported by well secured heavy strap hangers.
3. Vertical lines shall be secured strongly by hooks to the building frame and a suitable brackets or chairs shall be provided at the floor from which they start.

4. All main Vertical Soil and Waste Stacks shall be extended full size to and above the roof line to act as vents, except otherwise indicated on the Plans.
5. Vents Pipes in roof spaces shall be run as close as possible to under side roof with horizontal piping slope down to stacks without forming traps. Vertical vent pipes may be connected into one main vent riser above the highest vented fixtures.
6. Where and end or circuit vent pipe from any fixtures is connected to a vent line serving other fixtures, the connections shall be at least 120cm. above the floor on which the fixtures are located.
7. Horizontal waste line receiving the discharge from the two or more fixtures shall be provided with end vents unless separate venting of fixtures is notes on the Plan.
8. All changes on pipe sizes such as soul and waste lines shall be made with reducing fittings or recessed reducers.
9. All changes in directions shall be made by appropriate use of 45° degreed Y; half Y; long sweep; quarter bends or elbows for soil and waste lines where the change in direction of flow is from the horizontal to the vertical and discharges from water closet.
10. Where it becomes necessary to use short radius fittings in other locations, the approval of the supervising the Architect or Engineer shall be obtained prior to installation of said fittings.
11. **Cleanouts** at the bottom of each soil stack, waste stack, interior downspout, and where else is indicated shall be the same size as the pipe lines.
12. **Vent Pipes** shall be flashed and made water tight at the roof with ferrule lead sheet.
13. **Trap.** – Each fixtures and place of equipment requiring connection to the drainage system except fixtures and continuous waste shall be equipped with a trap. Each trap shall be placed as near to the fixtures as possible.

3.2 WATER PIPES, FITTINGS AND CONNECTIONS

1. The water supply piping shall be extended to all fixtures, outlets, and equipment from the great valves installed in the branch near the riser.
2. The cold water system shall be installed with a slope towards a main shutoff valve and drain. Ends of pipe and outlets shall be capped or plugged and left ready for future connections.
3. All pipes shall be cut accurately to measurements and shall be worked into place without springing or forcing.
4. All piping above the ground shall be run parallel with the lines of the building unless otherwise indicated on the Plan.
5. All service pipes, valves, and fittings shall be kept at sufficient distance from other work to permit finished covering not less than 12 mm from such work or from finished covering on the different service.
6. No water piping shall be buried in floors, unless specifically indicated on the Plan. Changes in pipe directions shall be made with reducing fittings.
7. Pipe drain indicated on the drawings shall consist of 12 mm globe valve with renewable disc and installed at low points on the cold water piping so that all piping shall slope 10 cm. in 30 meters.
8. All pipes to be threaded shall be reamed before threading. All screw joints shall be made with graphite and oil or with an approved graphite compound applied to make threads only.

3.3 VALVES AND HOSE BIBS

1. Valve shall not be installed with its stem below the horizontal elevation. All valves shall be gate valves unless otherwise indicated on the plans.
2. Valves up to 50 mm diameter shall be threaded ends, rough bodies and finished trimmings, except those on chromium plated brass pipe.
3. Valves 63 mm in diameter and larger shall have iron bodies, brass mounted and shall have either screws or flange ends.
4. Hose bibs shall be made of brass with 12 mm inlet threads hexagonal shoulders and 19 mm male.

3.4 PIPE HANGERS, INSERTS AND SUPPORTS

1. Pipe hangers shall be wrought iron or malleable iron pipe spaced not more than 1.50 meters apart for horizontal runs of pipe.
2. Chains, straps, perforated turn-buckles or other approved means of adjustment except the turn-buckles may be omitted for hangers on soil or waste lines or individual toilet rooms to maintain stacks when spaced does not permit.
3. Trapeze hangers may be used in lieu of separate hangers on pipe running parallel to and close to each other.
4. Inserts shall be cast steel of the type to receive machine bolt or nut after installation. Insert permit adjustment of bolts in one horizontal direction and shall be installed before pouring of concrete.
5. Wrought iron clamps or collars to support vertical runs of pipe shall be spaced not more than 3.0 m apart or as indicated on the Plan.

3.5 PLATED AND FLASHING

1. Plates to cover exposed pipes passing through floor finished, walls, or ceiling shall be fitted with chromium plated cast brass plates or chromium plated cast iron or steel plated on ferrous pipes.
2. Plates shall be large enough to cover and close the hole around the area where pipes pass. It shall be properly installed to insure performance.
3. Roof areas penetrated by vent pipes shall be rendered water tight by lead sheet flashing and counter flashing. It shall extend at least 15 cm. above the pipe and 30cm along the roof.

PART IV – INSPECTION, WARRANTY TEST AND DISINFECTION

All pipes, fittings, traps, fixtures, appurtenances and equipment of the plumbing and drainage system shall be inspected and approved by the supervising Architect or Engineer to assure compliance with all requirements of applicable Codes and Regulations referred to in this Specifications.

4.1 DRAINAGE SYSTEM TEST

1. The entire drainage and venting system shall have all the necessary openings which can be plugged to permit the entire system to be filled with water to the level of the highest stack vent above the roof.
2. The system shall hold this water for a full of 30 minutes during which time there shall be no drop greater than 10mm.
3. Where only a portion of the system is to be tested, the test shall be conducted in the same manner as described for the entire system.

4. If and when the Architect or Engineer decides that an additional test is needed, such as air to smoke test on the drainage system, the Contractor shall perform such test without any additional cost.

4.2 WATER TEST ON SYSTEM

1. Upon completion of the rough-in and before connecting fixtures, the entire cold water piping system shall be tested at a hydrostatic pressure 1-1/2 times the expected working pressure in the system during operation and remained tight and leak proofed.
2. Where piping system is to be concealed, the piping system shall be separately in manner similar to that described for the entire system and

4.3 PROTECTION AND CLEANING

1. During installation of fixtures and accessories and until final acceptance, fixtures shall be protected with strippable plastic or other approved means to maintain fixtures in perfect conditions.
2. All exposed metal surfaces shall be polished clean and free of grease, dirt or other foreign materials after the completion.
3. Upon completion, thoroughly clean all fixtures and accessories to leave the work in a polished condition.

4.4 DEFECTIVE WORK

1. All defective work, materials replaced and tested will be repeated until satisfactory performance is attained.
2. Any material replaced for the satisfactory performance of the system made shall be at the expense of the Contractor.
3. Caulking of screwed joints or holes will not be permitted.

4.5 DISINFECTION

1. The entire water distribution system shall be thoroughly flushed and treated with Chlorine before it is operated for human use.
2. Disinfection materials shall be liquid Chlorine or Hypochlorite and shall be introduced in a manner approved as practiced for water distribution system.
3. After contact period of not less than 16 hours, the heavily chlorinated water shall be flushed from the system with potable water.
4. Valves for the water distribution system shall be opened

15.0 ELECTRICAL WORKS

PART I- GENERAL

1.1 SCOPE

This section may include materials, labor, equipment, and the performance of all operations necessary for the completion of electrical works as indicated in the drawings and this specification.

1.2 GENERAL REQUIREMENTS

Electrical works include the installation of roughing-ins for wires, fixtures & accessories, panel board & circuit breakers, and other related electrical works and materials for energization of the building, and all must conform to ISO standards.

PART II- PRODUCTS

2.1 MATERIALS

2.1.1 FIXTURES & ACCESSORIES: All conforming and/or meeting the requirement/specification of the latest ASTM, ISO, PNS & PEC standard.

2.1.2 WIRES & CONDUITS: All conforming and/or meeting the requirement/specification of the latest ASTM, ISO, PNS & PEC standard.

2.1.3 PANEL BOARD & CIRCUIT BREAKER: All conforming and/or meeting the requirement/specification of the latest ASTM, ISO, PNS & PEC standard.

PART III – EXECUTION

All electrical installation herein shall be in high quality, safe durable, complete and fully operational including all necessary items, spare and accessories whether or not specified in detail.

All electrical works and materials to be used shall conform to the provisions of the latest edition of the *Philippine Electrical Code, Bureau of Fire Protection (BFP),* and rules and regulations of the local electric company or *PALECO.*

For project with Main Distribution Panel (*MDP*) of At least 200 Ampere Trip Main Circuit Breaker, a valid Philippine Contractors Accreditation Board *(PCAB)* license with electrical works classification should be required for the bidder.

All electrical installation herein shall be done under the direct supervision of a Registered Electrical Engineer or licensed Master Electrician and approved by a Professional Electrical Engineer.

16.0 WATER PROOFING WORKS

PART I – GENERAL

1.1 SCOPE

This section includes all labor, materials, equipment and the performance of all operations necessary for the completion of all waterproofing works indicated on drawings and this specifications.

1.2 SUBMITTALS

1.2.1 SAMPLES: Submit samples of materials in the Project Management Office for approval. Match these samples with the delivered materials prior to use.

1.3 PRODUCT HANDLING

1.3.1 DELIVERY AND STORAGE OF MATERIALS: Manufactured materials shall be delivered in original unbroken packages, containers or bundles bearing the name

of the manufacturer's brand.

Cement and lime shall be stored off the ground under watertight cover and away from leaking walls and damp surfaces until ready for use.

Damage or deteriorated materials shall be removed from the premises.

PART II – PRODUCTS

2.1 MATERIALS

2.1.1 WATERPROOFING: shall be cementitious water proofing

2.2 MIXED AND PROPORTION:

Except where specified otherwise, materials are specified on a volume basis and shall be measured in approved containers, which will insure that the specified propositions will be controlled and accurately maintained during the progress of work. Measuring materials with shovels will not be permitted.

2.2.1 PROPORTIONING:

a. Add one part of 1 bag to 10 parts of water, which is equivalent to approximately 3 % of cement content. When using very wet sand, the ratio must be increased to 1:8 or in extreme cases 1:6. Note: Trial mixes should always be conducted to establish the exact dosage rates and water requirements per mix.

PART III – EXECUTION

3.1 PREPARATION

3.1.1 SURFACE PREPARATION: Surfaces to receive plaster shall be clean and free from structural defects and shall be thoroughly damped prior to application of plaster. Plaster work shall be finished level, plumb, square and true, within a tolerance of 2 mm in 3 meters without waves, blisters, pits, discoloration, and projection or other imperfections.

3.2 APPLICATION

3.2.1 MIXING: Must be stirred slowly before use to ensure a homogeneous, lump free consistency. It shall be diluted in the gauging water. The dilution must be stirred slowly (to ensure a homogeneous, lump free consistency) prior addition into the mortar/concrete mixer. It can also be added neat to the mortar/concrete mix provided that the mixture is properly mixed to achieve a homogeneous consistency.

3.2.1 METHODS: The standard rules of good concreting practice (concerning production, placing and curing) are to be followed. Refer to relevant standards. May be combined with many other products.

Note: Preliminary testing is required to prove the compatibility. Please contact technical supplier for more information and advice.

3.3 CURING

Manufacturer's printed recommendations shall be followed for curing the water proofing, a wet sponge or light pressure spray method shall be

3.4 CLEANING

After completion of plastering work, surplus materials, debris and plaster dumps and stains on floors, windows and other surfaces shall be removed to the Architect's approval.

All materials specified herein shall be brand new and conforming to the plans, with this scope or work and to the standards set by the University. No change or modification shall be made without prior consultation and approval of the PSU Project Management Office. All finishing, materials & furnishings, colors & profiles should first be verified, checked & approved by the PMO office before fabrication and/or installation.

Also included in this scope of works are the proper clearing and disposal of all kind of construction wastes. The project and the site should be cleansed before it is considered 100% complete. All works shall be executed in quality workmanship.

*** *Nothing follows***

Prepared by:

AR. CLIFFORD T. BALDOZANO
Architect
Planning and Design Unit, PMO

Checked & verified by:

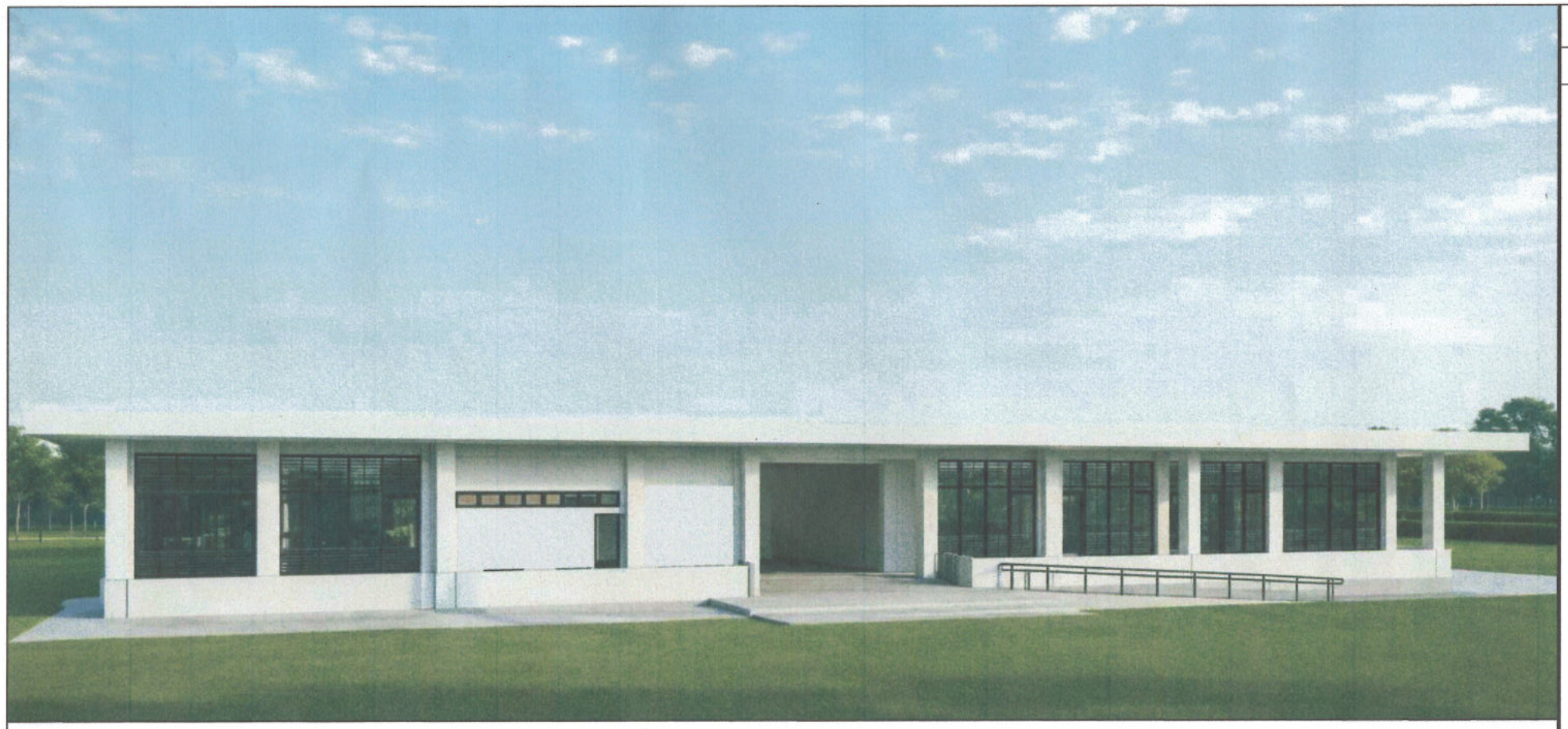
AR. AIREEN MAE P. ALLEDA
Project Development Officer II
Head - Planning & Design Unit, PMO

Recommending Approval:

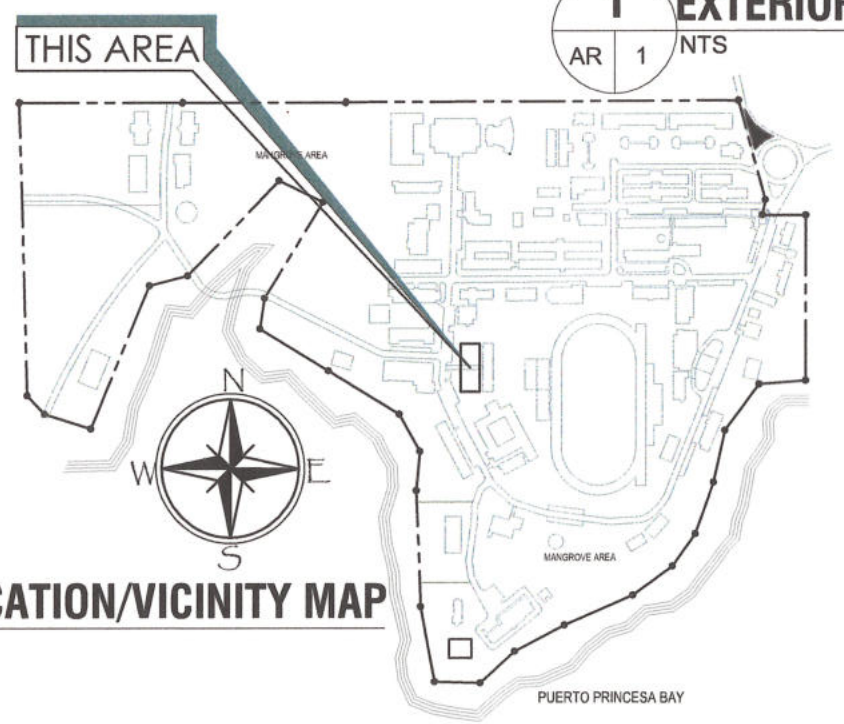
ENGR. ALYSSA MARIE A. BACOLOD
University Engineer
Director, Project Management Office

Approved:

DR. VENZON L. LIMPIADA
University President



1 EXTERIOR PERSPECTIVE
AR 1 — NTS



2 LOCATION/VICINITY MAP
AR 1 — NTS

TECHNICAL DESCRIPTION		
LOT 2688		
LINE	BEARING	DISTANCE
1-2	DUE EAST	
2-3	DUE EAST	
3-4	DUE SOUTH	
4-5	N.89°-59'E	110.09mts.
5-6	N.89°-56'E	200.09mts.
6-7	S.89°-57'E	97.96mts.
7-8	S.00°-09'W	145.95mts.
8-9	S.85°-35'W	41.26mts.
9-10	S.36°-17'W	50.54mts.
10-11	S.12°-14'W	47.00mts.
11-12	S.19°-22'W	48.20mts.
12-13	S.35°-44'W	34.95mts.
13-14	S.53°-55'W	43.54mts.
14-15	S.66°-35'W	66.21mts.
15-16	S.62°-24'W	50.08mts.
16-17	S.47°-38'W	41.46mts.
17-18	S.88°-38'W	40.50mts.
18-19	S.10°-28'W	67.70mts.
19-20	S.02°-14'W	102.34mts.
20-21	N.04°-54'E	35.01mts.
21-22	N.04°-54'W	35.01mts.
22-23	N.58°-35'W	73.79mts.
23-24	N.58°-31'W	71.21mts.
24-25	N.09.°-00'E	27.78mts.
25-26	N.31°-26'E	98.96mts.
26-27	N.63°-57'W	43.39mts.
27-28	S.44°-04'W	116.75mts.
28-29	S.75°-35'W	35.00mts.
29-30	S.22°-14'W	136.70mts.
30-31	N.72°-23'W	42.58mts.
31-32	N.43°-30'W	22.73mts.
32-1	N.01°-31'W	257.88mts.

LOT 2685-B
Csd-045316-010598-D
PORTION OF PROCLAMATION NO.16
NR-000014-D
(PORTION)

SCOPE:

CONSTRUCTION OF GROUND FLOOR AND SECOND FLOOR SLAB (FIRST PHASE)

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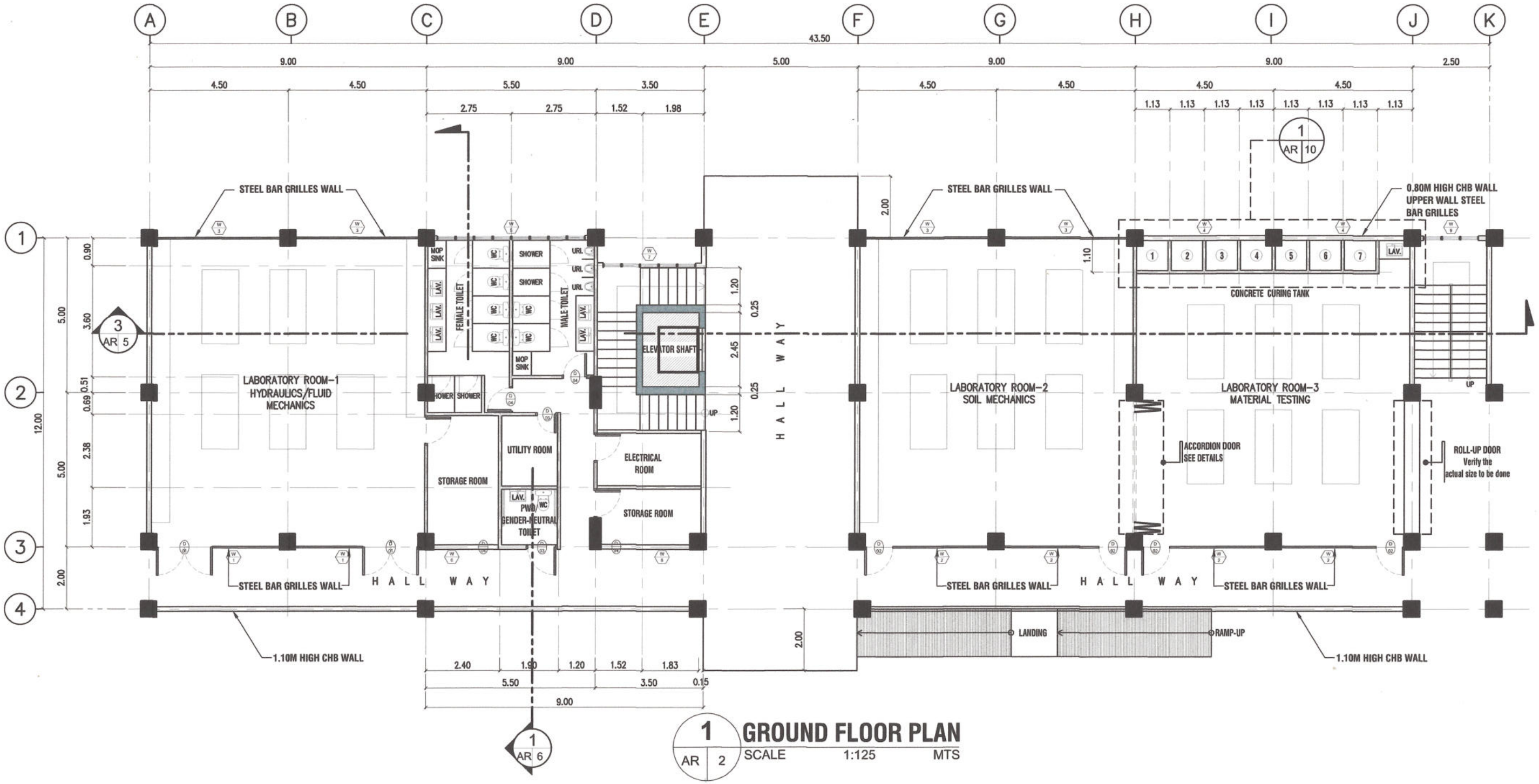
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PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** — MAIN CAMPUS

SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN
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DATE PRINTED	29 Jun 2026 - 11:06am

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SCOPE:

CONSTRUCTION OF GROUND FLOOR AND SECOND FLOOR SLAB (FIRST PHASE)

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1 REFLECTED CEILING PLAN

AR | 3

SCALE 1:125 MTS

SCOPE:

CONSTRUCTION OF GROUND FLOOR AND SECOND FLOOR SLAB (FIRST PHASE)

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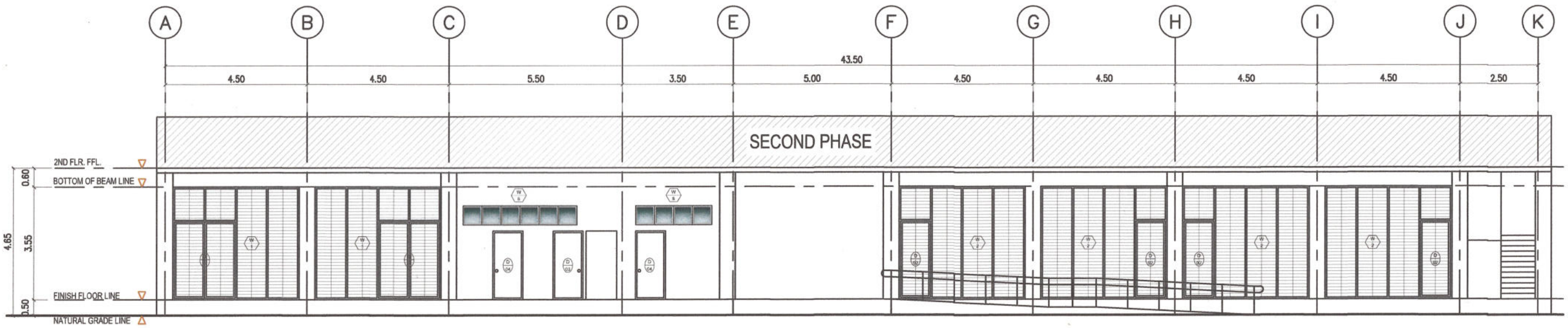
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MAIN CAMPUS

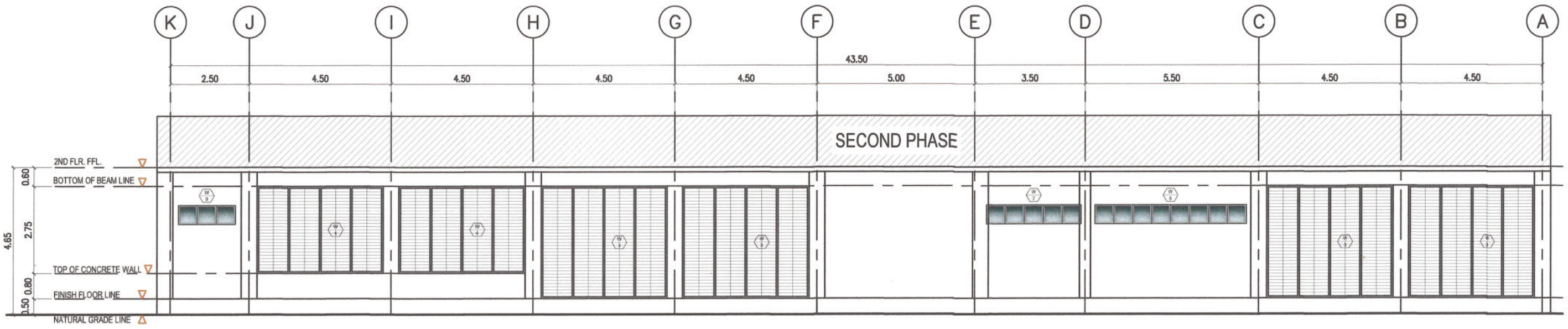
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1 FRONT ELEVATION
AR 4 SCALE 1:125 MTS



2 REAR ELEVATION
AR 4 SCALE 1:125 MTS

SCOPE:
CONSTRUCTION OF GROUND FLOOR AND SECOND FLOOR SLAB (FIRST PHASE)

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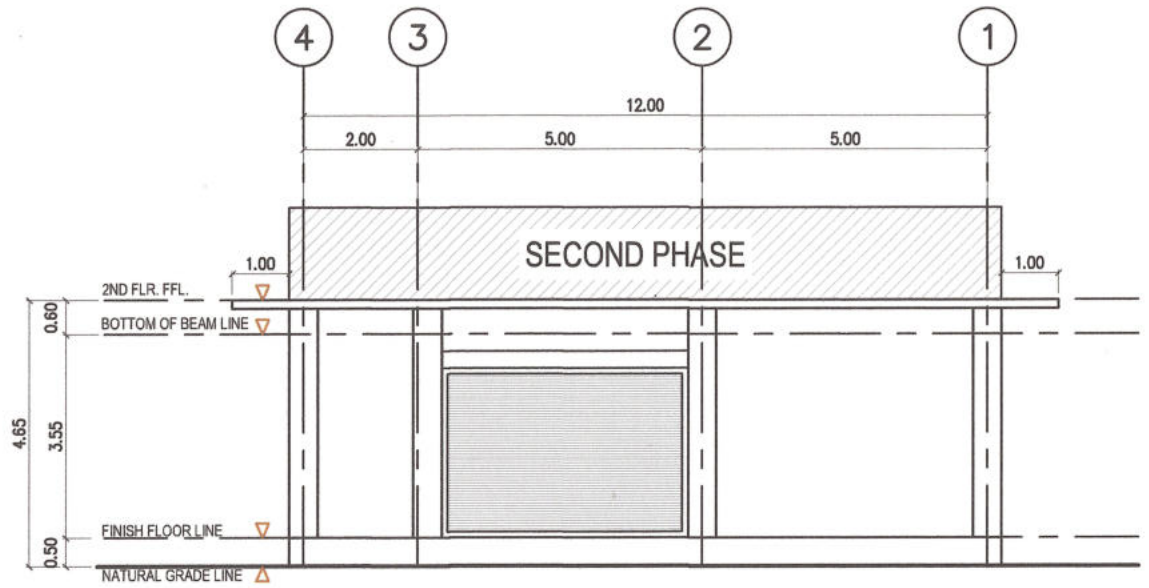
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MAIN CAMPUS

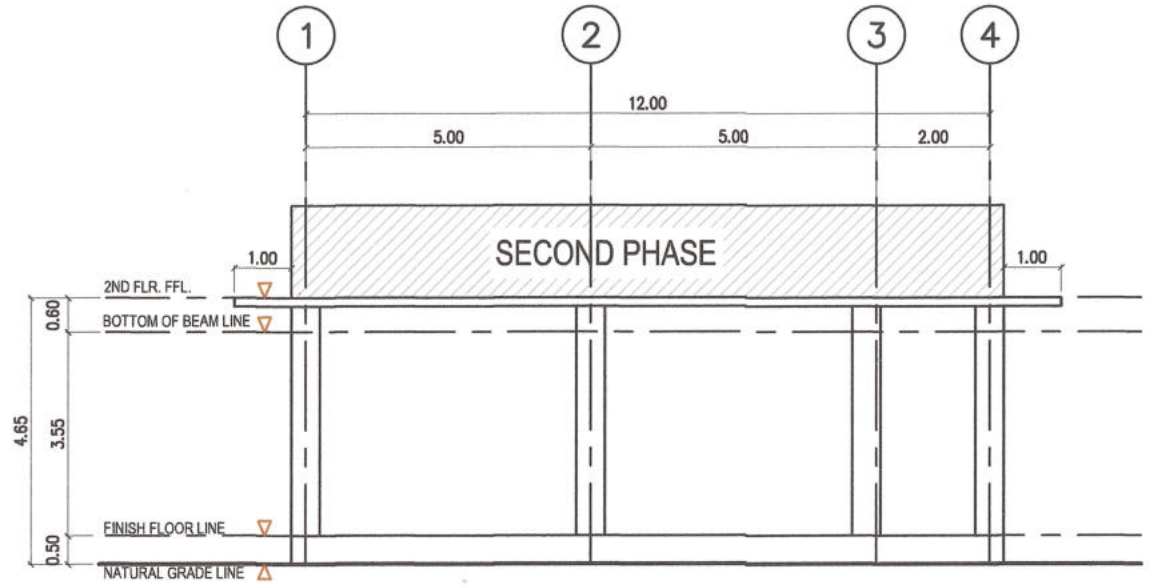
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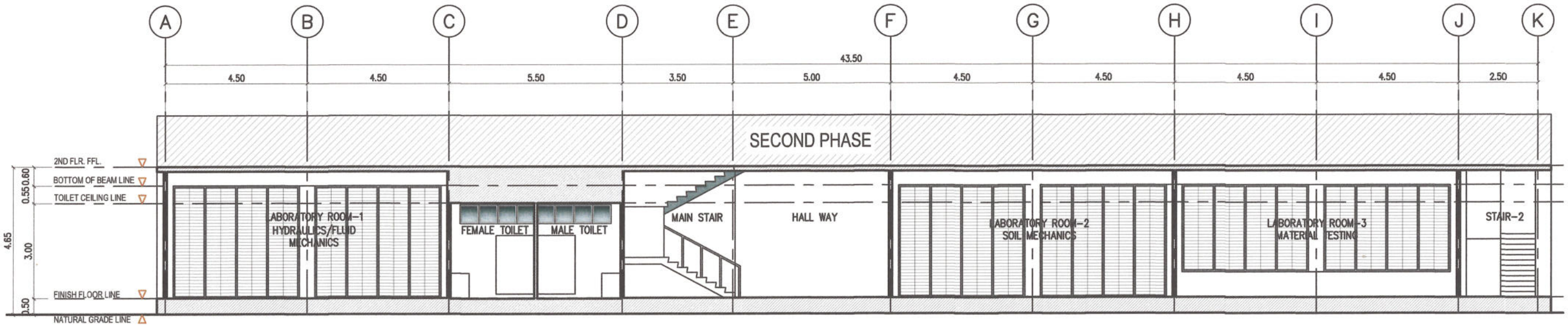
SHEET NO. AR 4 | 16



1 RIGHT-SIDE ELEVATION
AR 5 SCALE 1:125 MTS



2 LEFT-SIDE ELEVATION
AR 5 SCALE 1:125 MTS



3 LONGITUDINAL SECTION
AR 5 SCALE 1:125 MTS

SCOPE:

CONSTRUCTION OF GROUND FLOOR AND SECOND FLOOR SLAB (FIRST PHASE)

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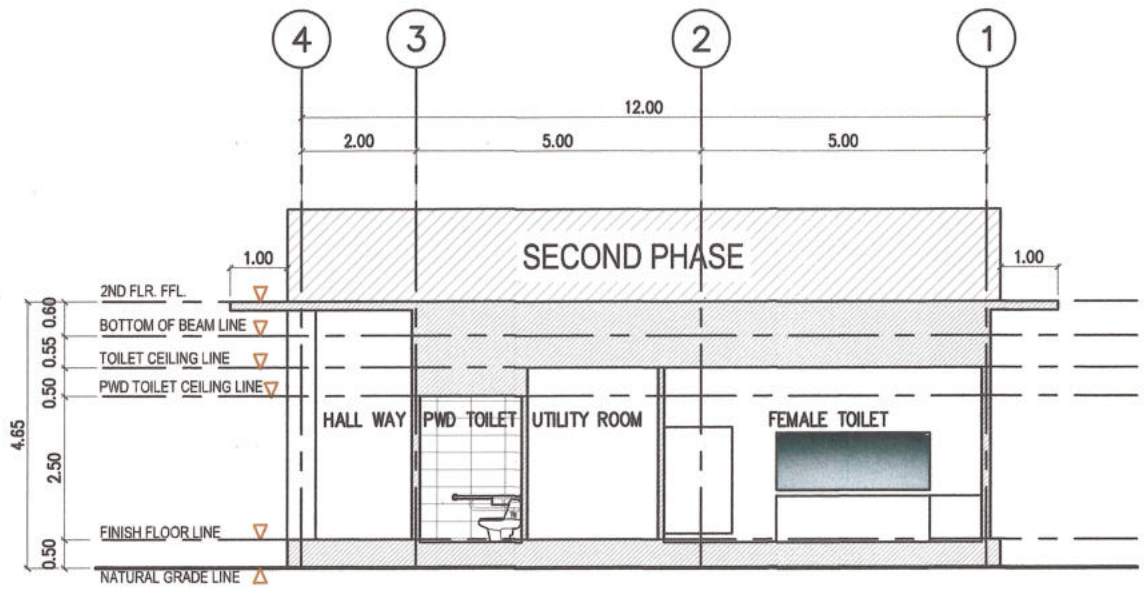
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MAIN CAMPUS

SHEET CONTENT:
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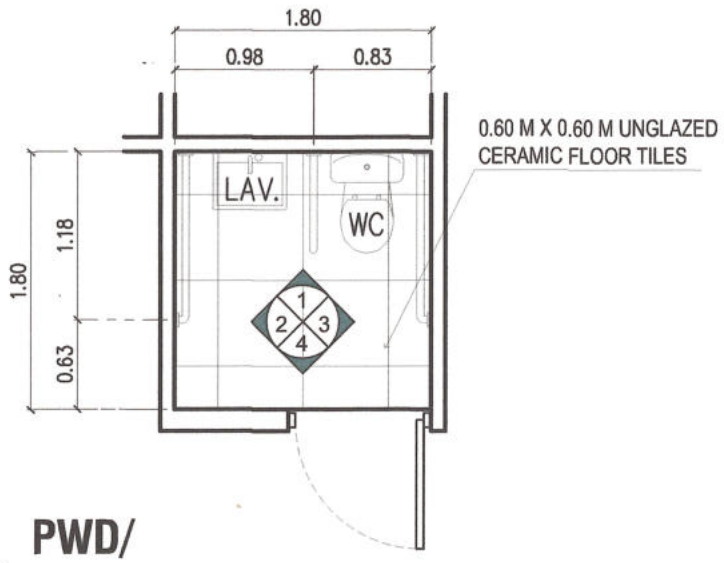
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AR 5 16



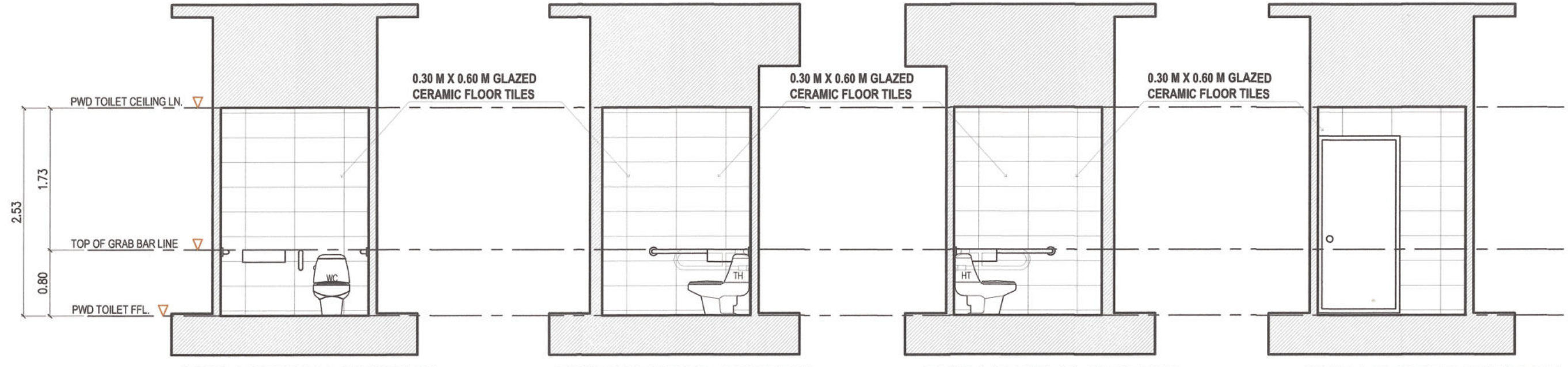
1 CROSS SECTION

AR 6 SCALE 1:125 MTS



2 PWD/ GENDER-NEUTRAL TOILET PLAN

AR 6 SCALE 1:125 MTS



3 PWD/ GENDER-NEUTRAL TOILET SECTION-1

AR 6 SCALE 1:50 MTS

4 PWD/ GENDER-NEUTRAL TOILET SECTION-2

AR 6 SCALE 1:50 MTS

5 PWD/ GENDER-NEUTRAL TOILET SECTION-3

AR 6 SCALE 1:50 MTS

6 PWD/ GENDER-NEUTRAL TOILET SECTION-4

AR 6 SCALE 1:50 MTS

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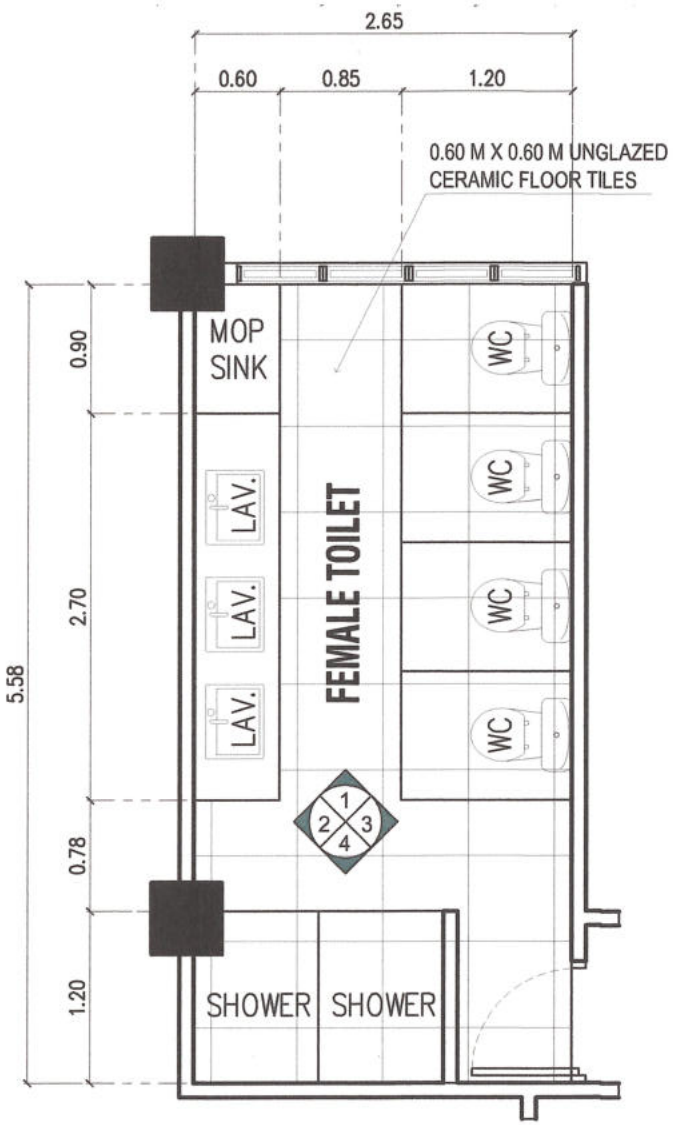
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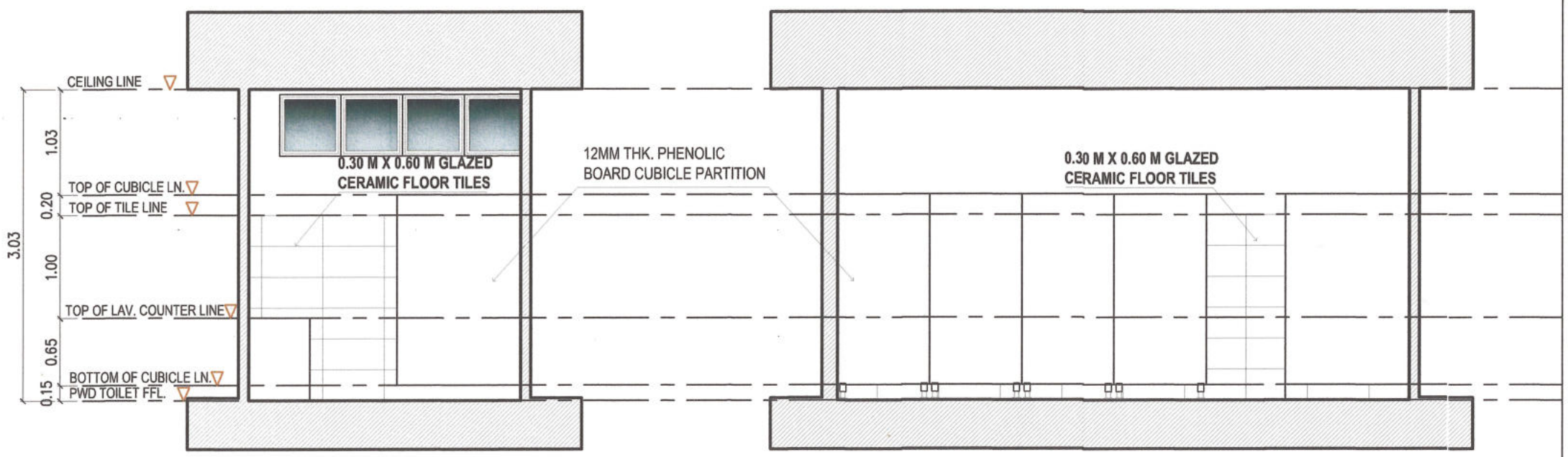
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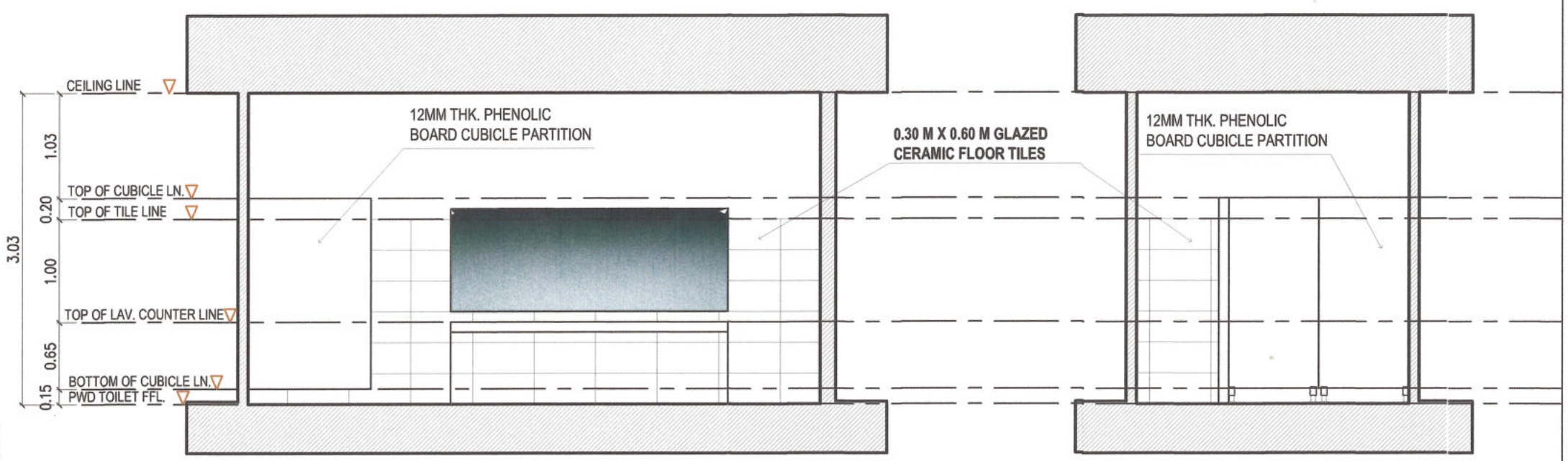


1 AR 7 **FEMALE TOILET DETAILED PLAN**
SCALE 1:50 MTS



2 AR 7 **FEMALE TOILET SECTION-1**
SCALE 1:50 MTS

3 AR 7 **FEMALE TOILET SECTION-1**
SCALE 1:50 MTS



4 AR 7 **FEMALE TOILET SECTION-1**
SCALE 1:50 MTS

5 AR 7 **FEMALE TOILET SECTION-1**
SCALE 1:50 MTS

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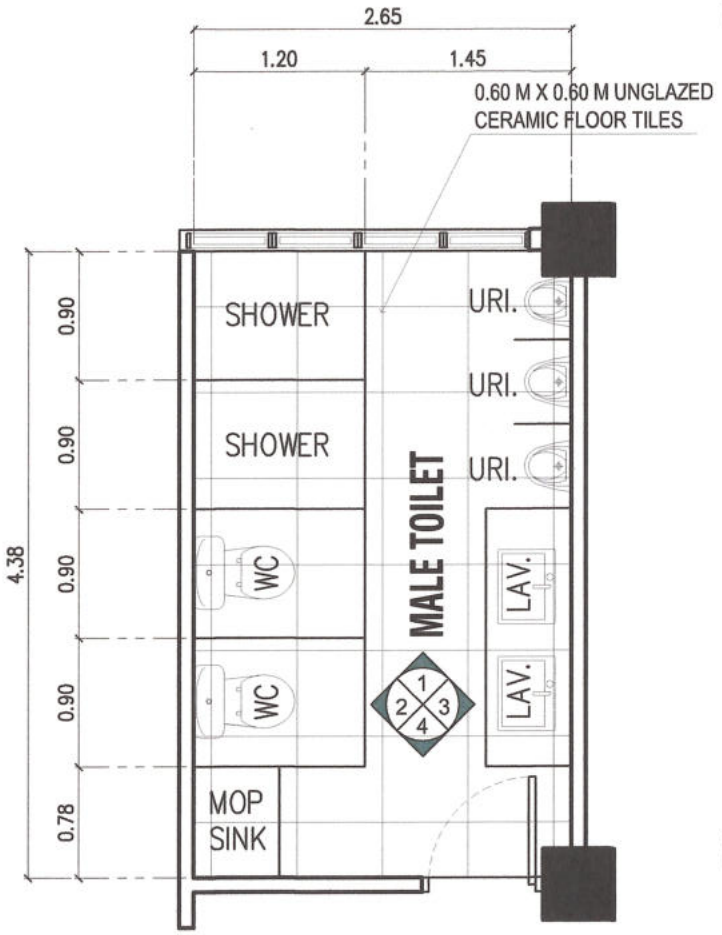
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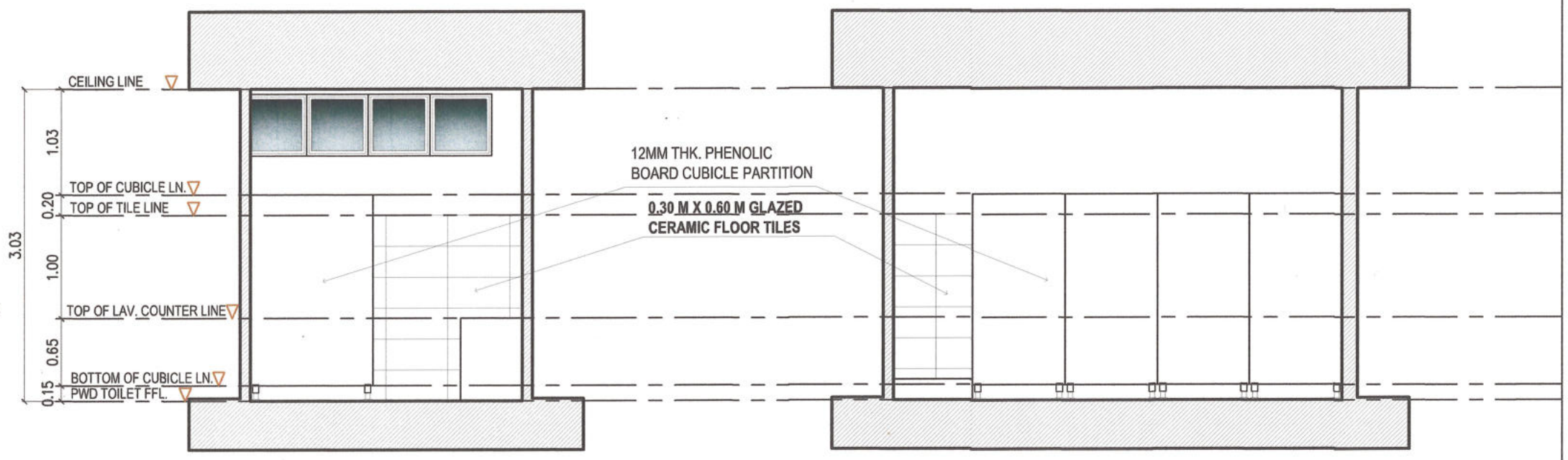
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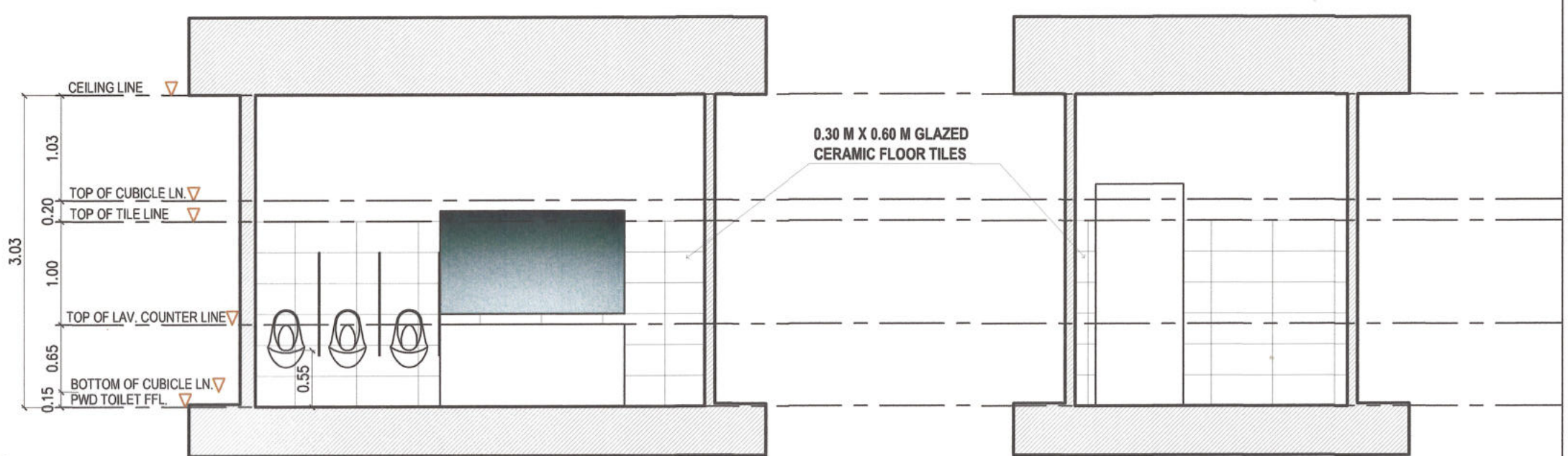


1 MALE TOILET DETAILED PLAN
AR 8 SCALE 1:50 MTS



2 MALE TOILET SECTION-1
AR 8 SCALE 1:50 MTS

3 MALE TOILET SECTION-1
AR 8 SCALE 1:50 MTS



4 MALE TOILET SECTION-1
AR 8 SCALE 1:50 MTS

5 MALE TOILET SECTION-1
AR 8 SCALE 1:50 MTS

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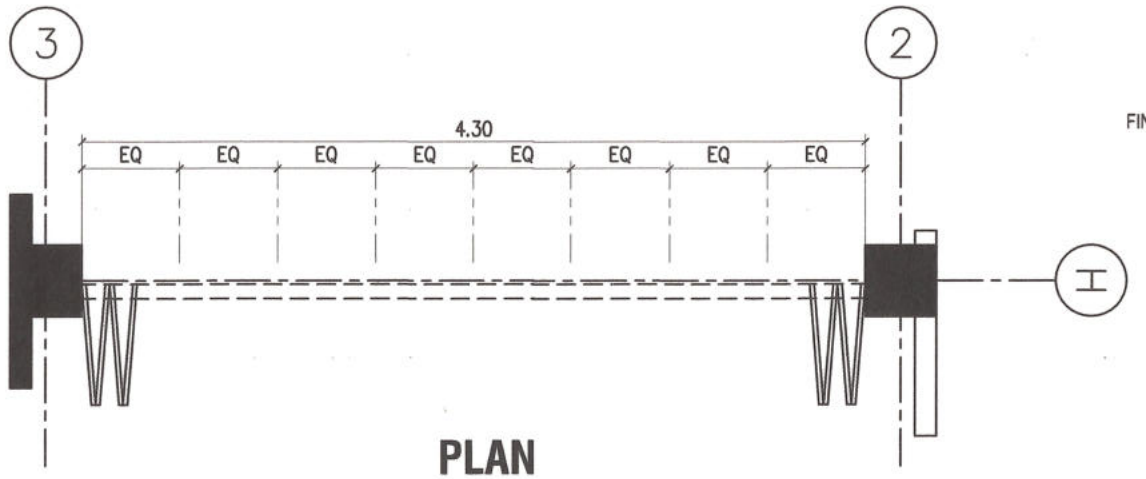
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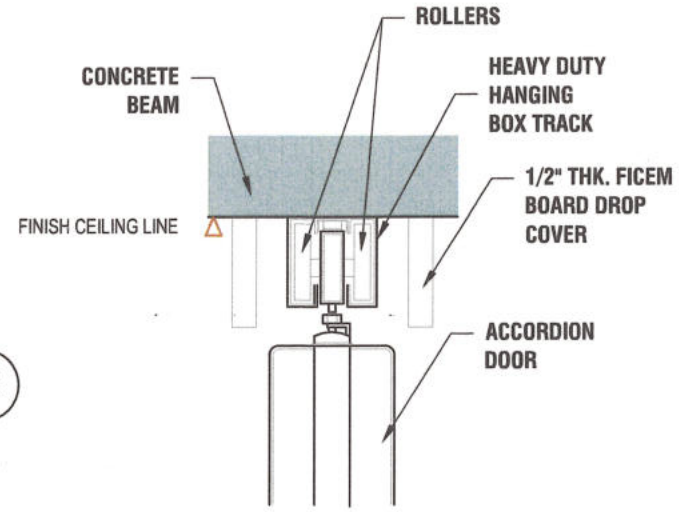
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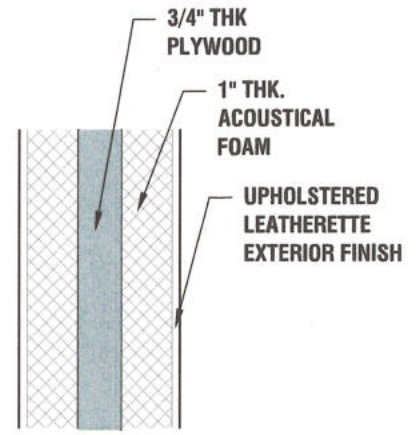
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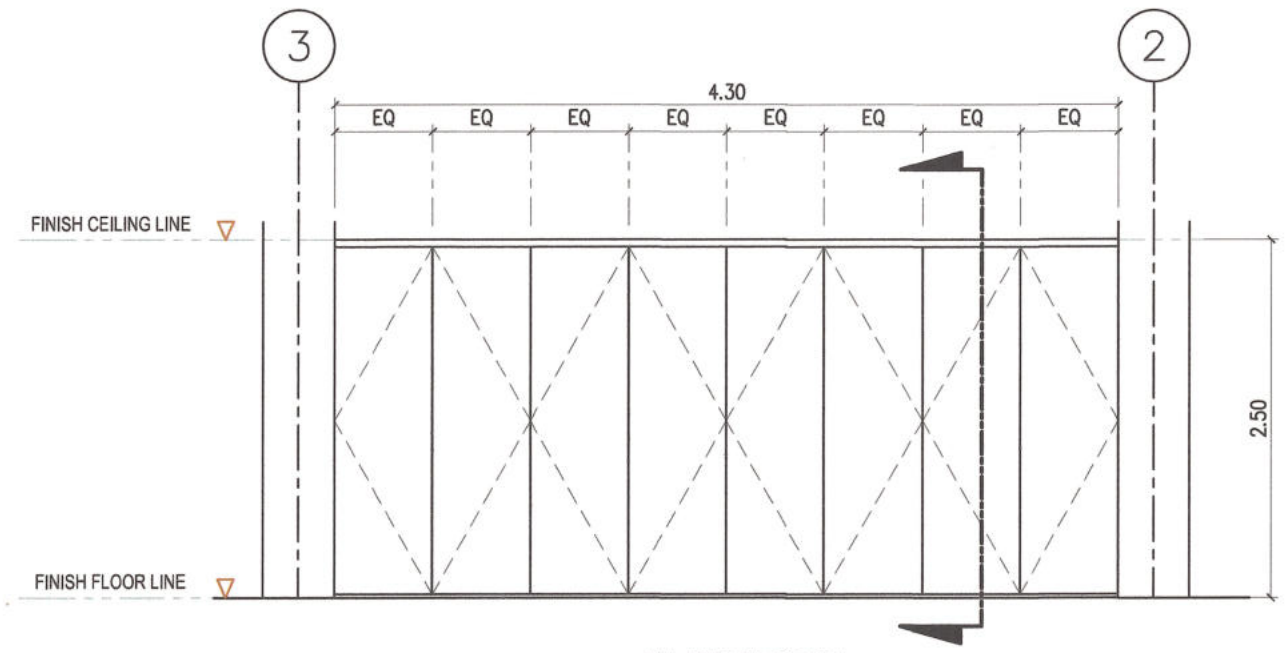
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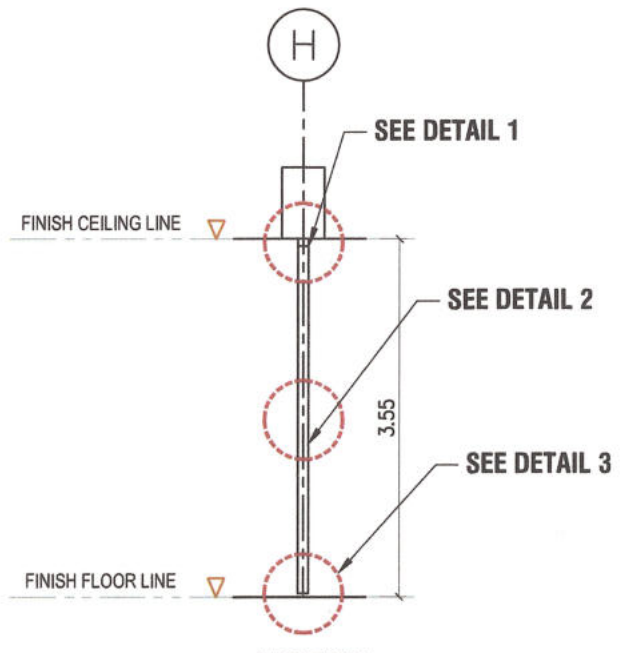
2 DETAIL 1
AR 9 SCALE NTS.



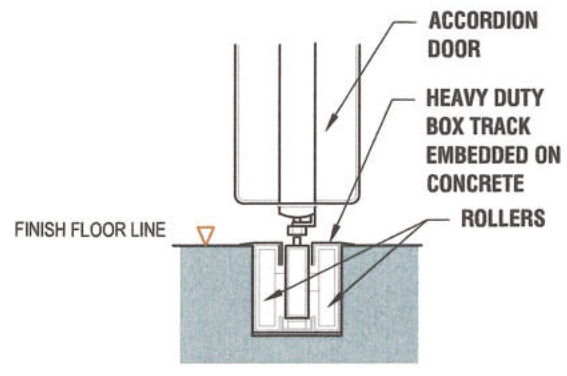
3 DETAIL 2
AR 9 SCALE NTS.



ELEVATION



SECTION



4 DETAIL 3
AR 9 SCALE NTS.

1 ACCORDION DOOR DETAIL
AR 9 SCALE 1:50 MTS.

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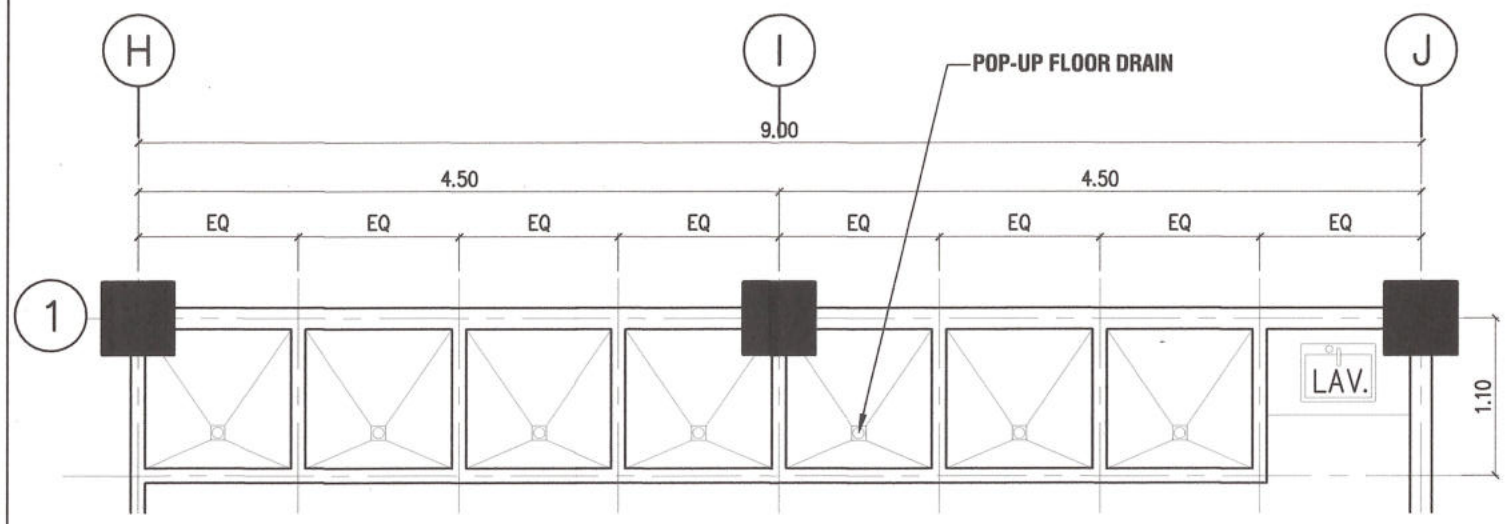
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AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA UNIVERSITY PRESIDENT

PROJECT TITLE: " CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT: AS SHOWN
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

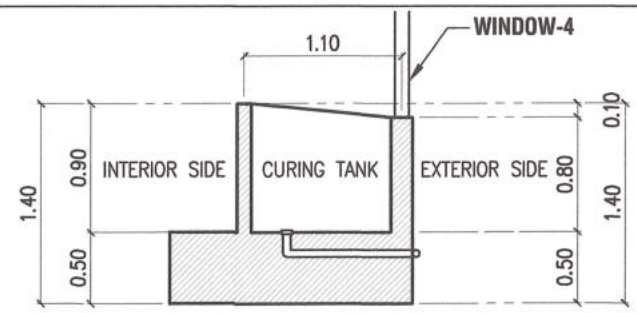
PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEDA
LAST UPDATED	29 Jun 2026 - 9:46am
DATE PRINTED	29 Jun 2026 - 9:50am

SHEET NO. AR 9 16



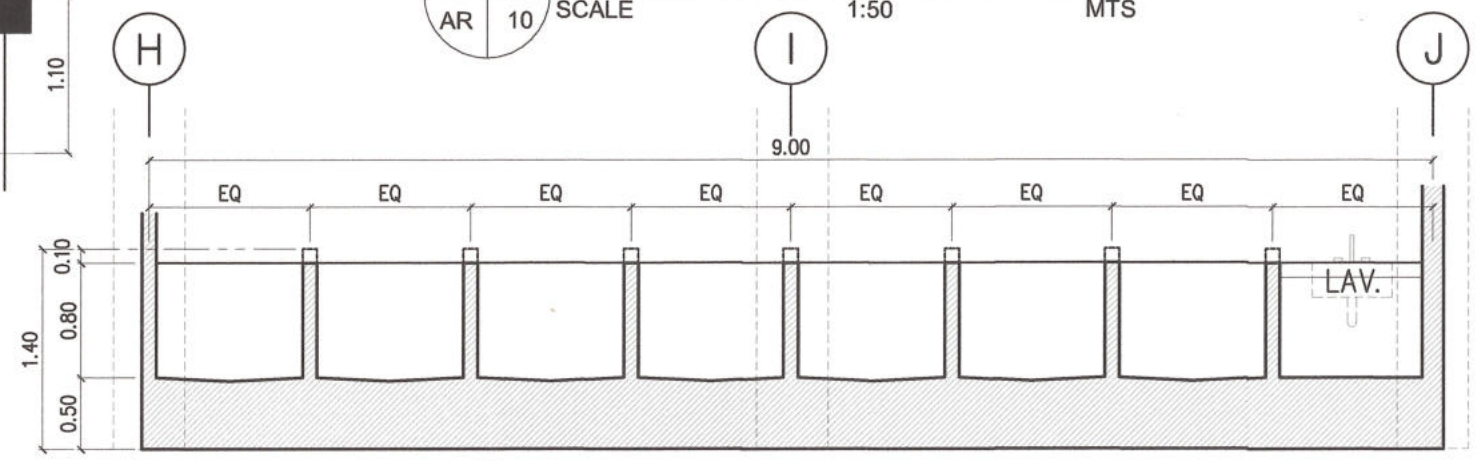
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AR 10 SCALE 1:50 MTS



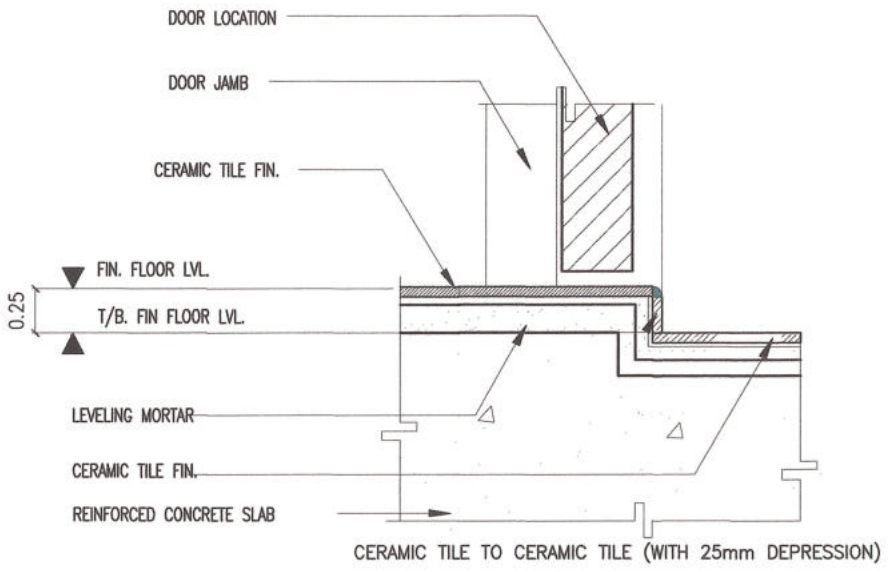
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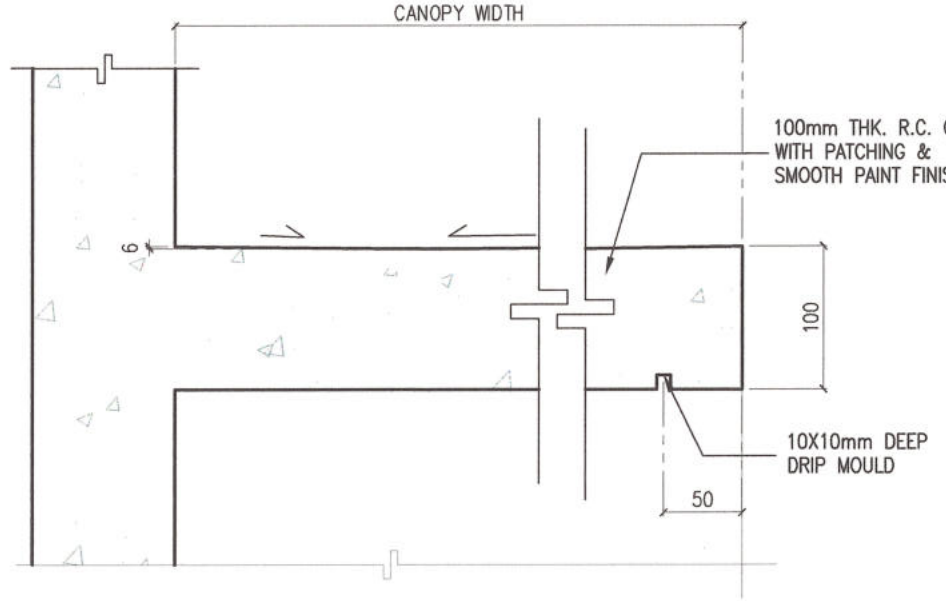
3 CONCRETE CURING TANK PLAN

AR 10 SCALE 1:50 MTS



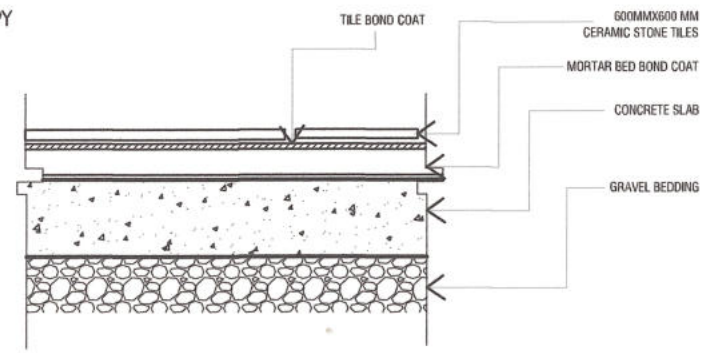
4 TOILET TYP. FLOOR DEPRESSION

AR 10 SCALE: 1:75 MTS



5 TYPICAL CANOPY DETAIL

AR 10 SCALE: 1:5 MTS.



6 TILE SECTION DETAIL

AR 10 SCALE: 1:75 MTS

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PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

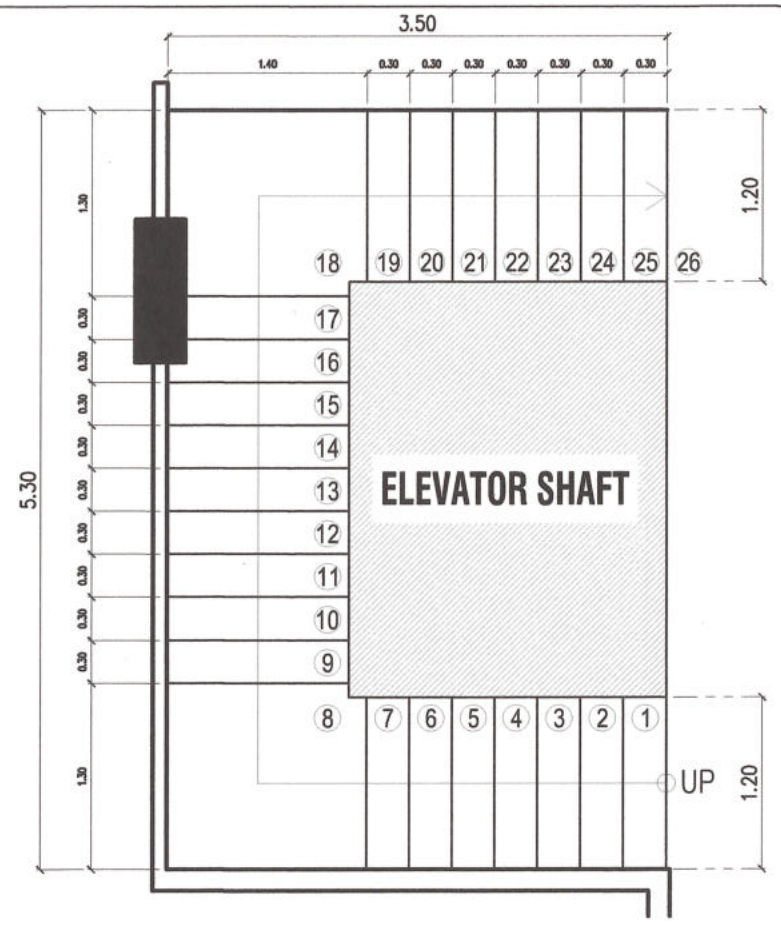
PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA UNIVERSITY PRESIDENT

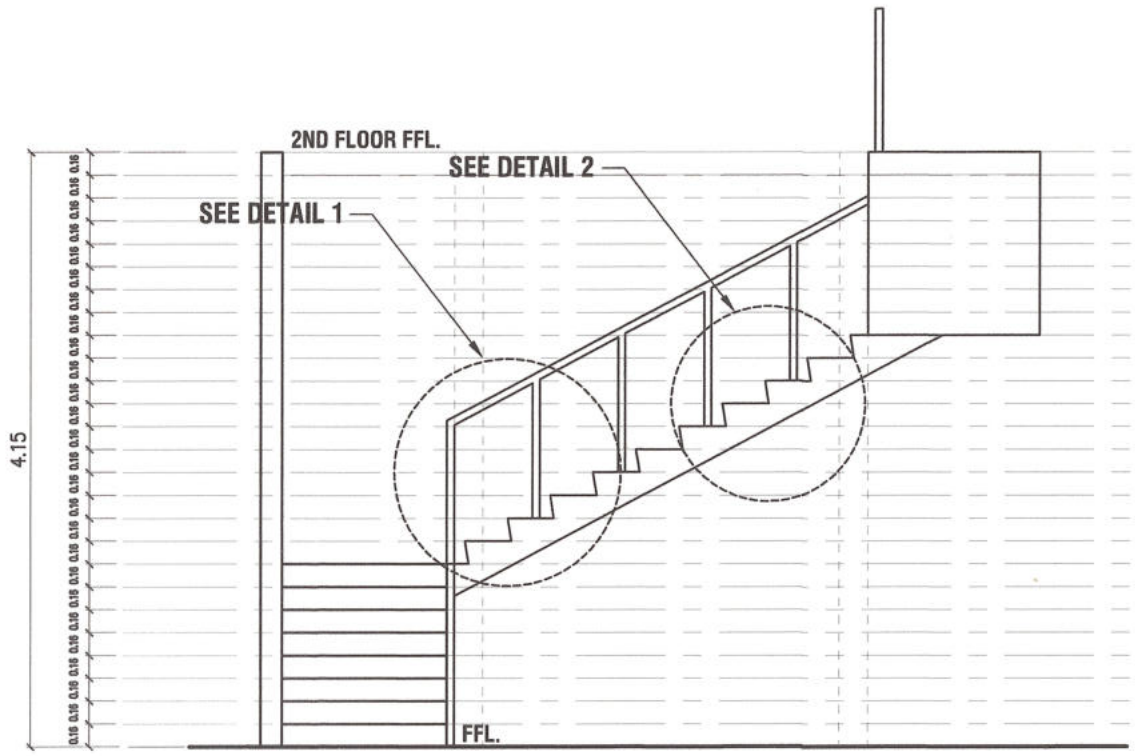
PROJECT TITLE: " CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

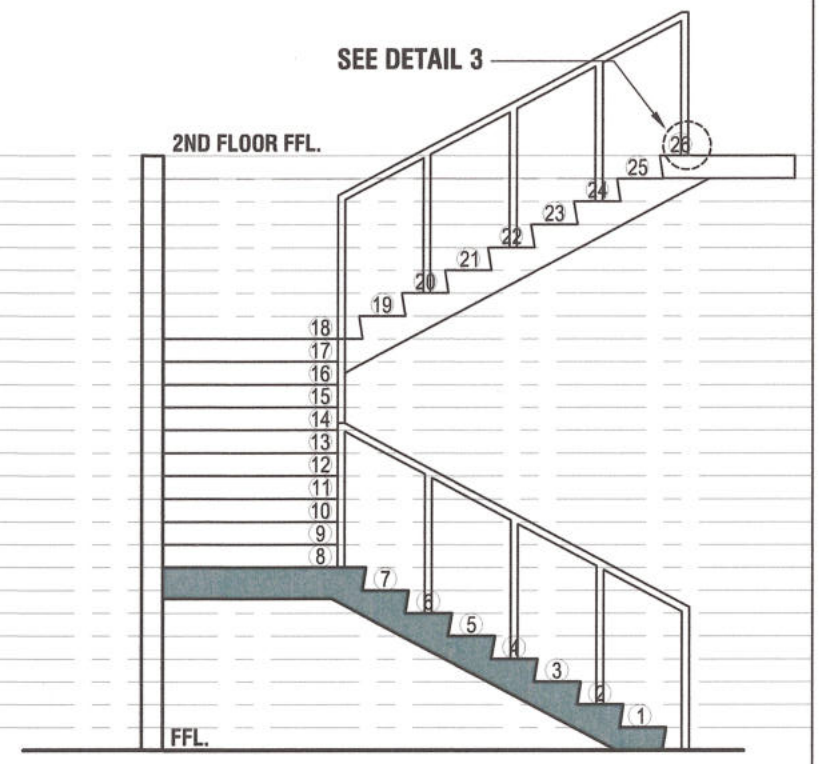
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PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
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LAST UPDATED	29 Jun 2026 - 9:46am
DATE PRINTED	29 Jun 2026 - 9:50am

SHEET NO. AR 10 16



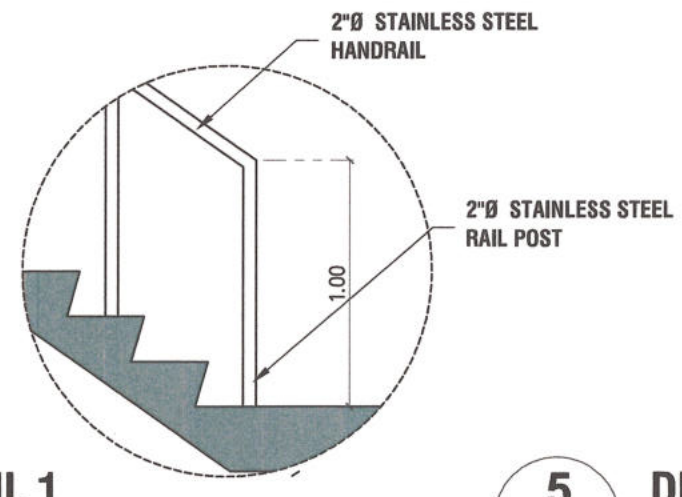


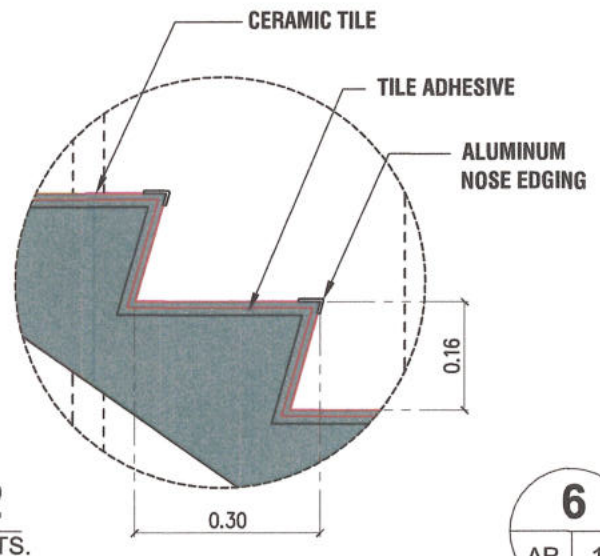


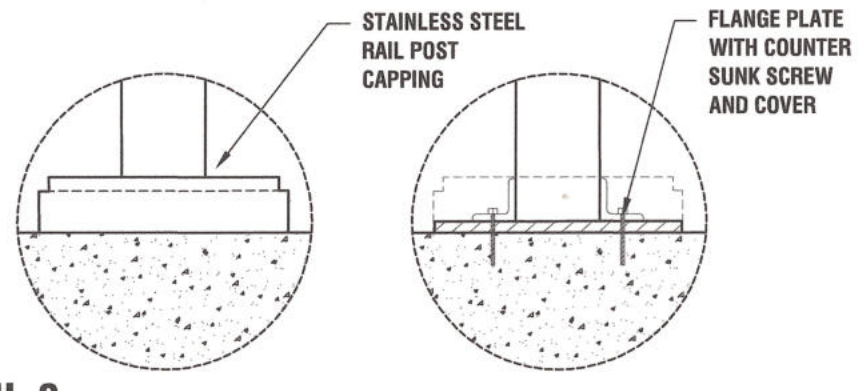
1 MAIN STAIR DETAILED PLAN
AR 11 SCALE 1:50 MTS

2 MAIN STAIR SECTION-1
AR 11 SCALE 1:50 MTS

3 MAIN STAIR SECTION-2
AR 11 SCALE 1:50 MTS







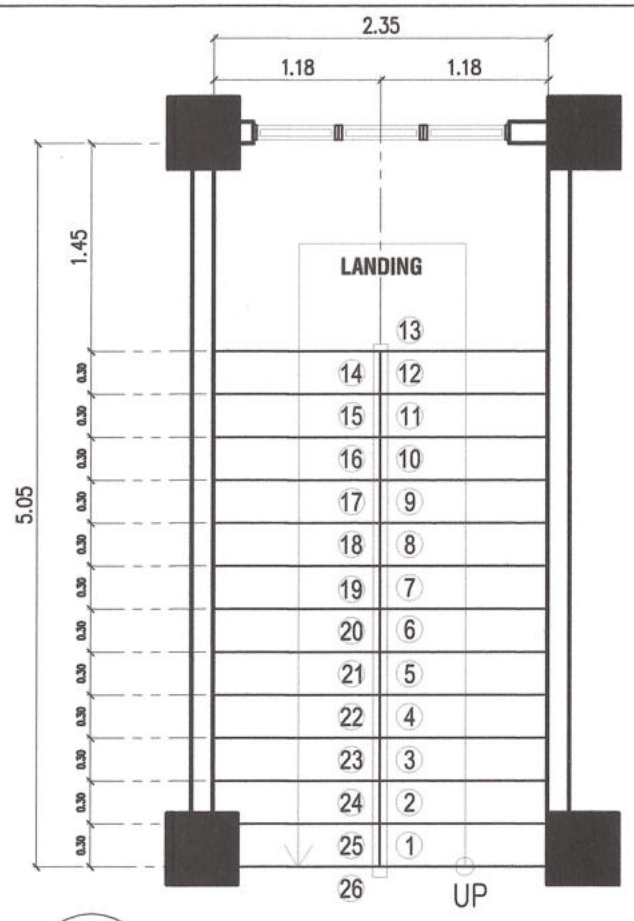
4 DETAIL 1
AR 11 SCALE NTS.

5 DETAIL 2
AR 11 SCALE NTS.

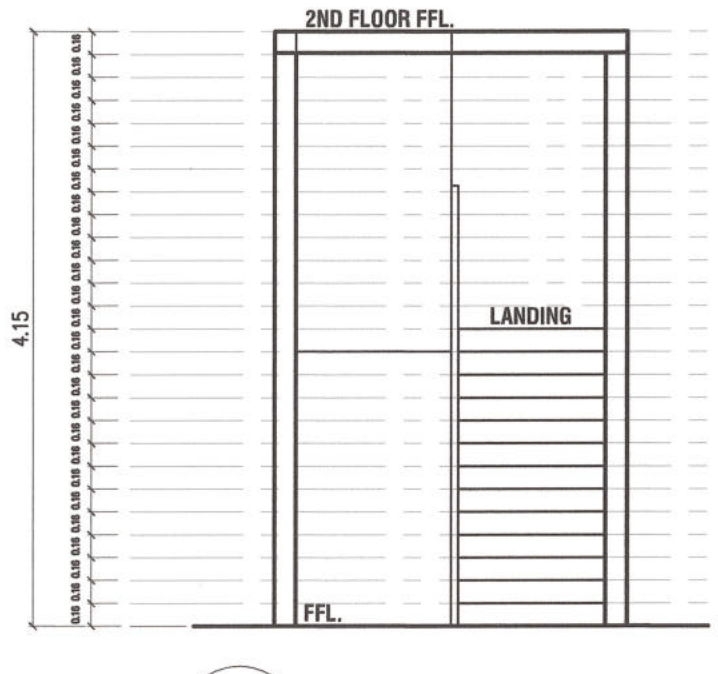
6 DETAIL 3
AR 11 SCALE NTS.

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PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

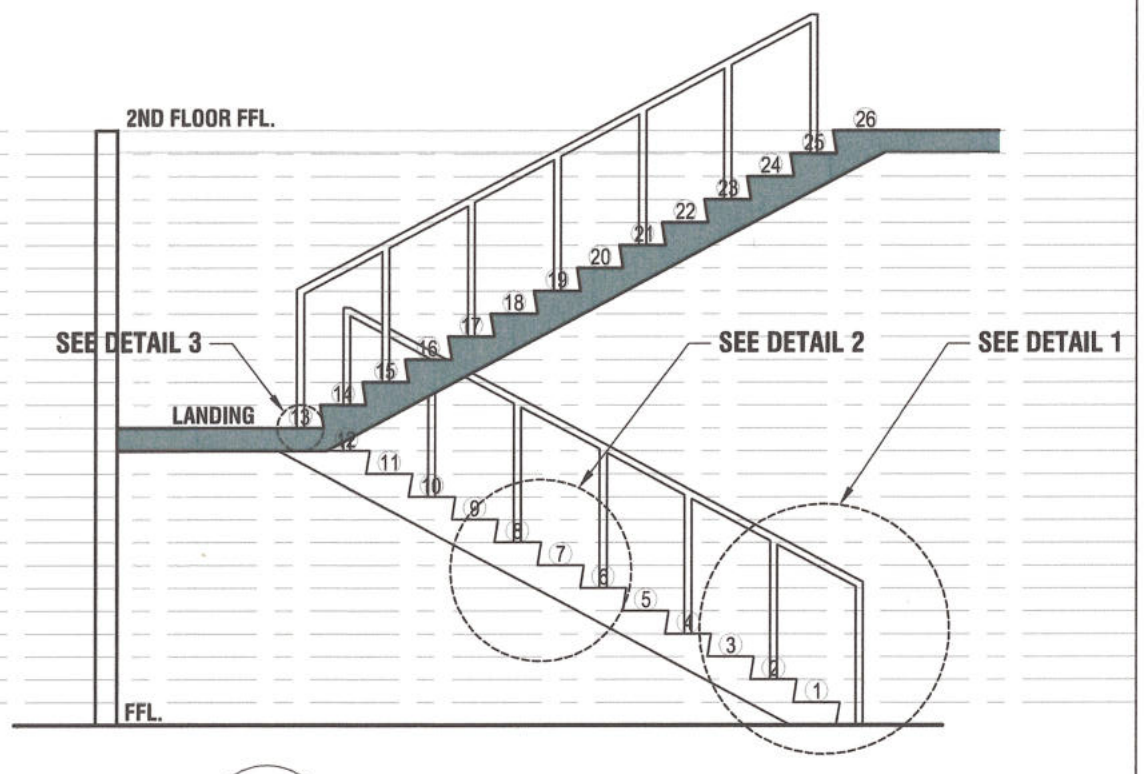
PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	PROJECT TITLE:	SHEET CONTENT:	PARTICULARS	SHEET NO.
AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LUMPIADA UNIVERSITY PRESIDENT	" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS " MAIN CAMPUS	AS SHOWN SCALE AS SHOWN NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.	DESIGNED BY: PLANNING & DESIGN UNIT DRAWN BY: C. BALDOZANO REVISED BY: C. BALDOZANO CHECKED BY: AR. A. ALLEDA LAST UPDATED: 30 Jun 2026 - 10:19am DATE PRINTED: 30 Jun 2026 - 10:19am	AR 11 16



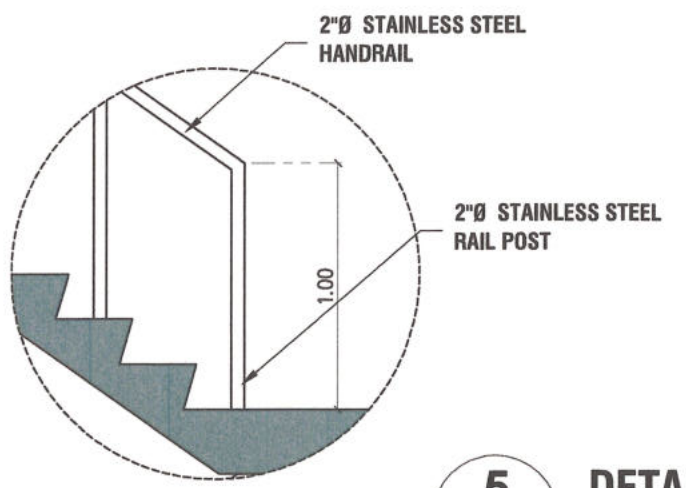
1 **STAIR-2 DETAILED PLAN**
AR 12 SCALE 1:50 MTS



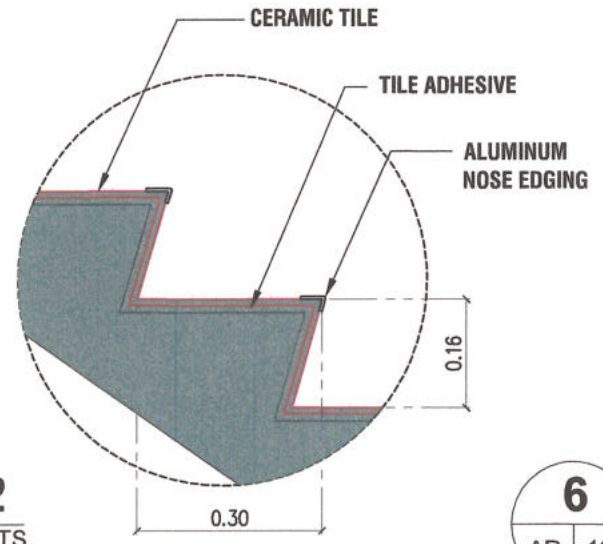
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AR 12 SCALE 1:50 MTS



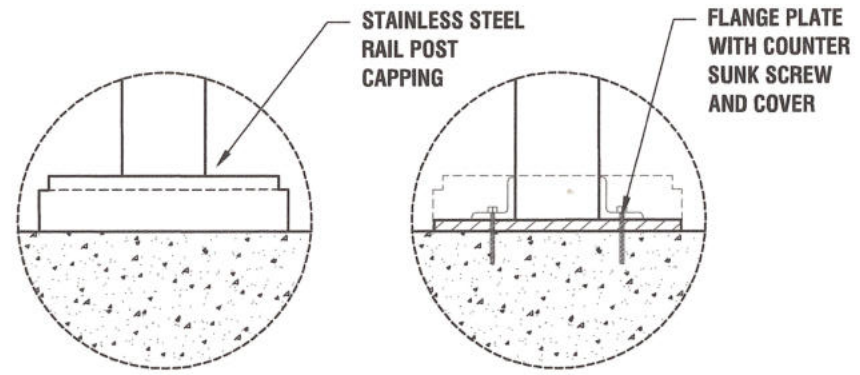
3 **STAIR-2 SECTION-1**
AR 12 SCALE 1:50 MTS



4 **DETAIL 1**
AR 12 SCALE NTS.



5 **DETAIL 2**
AR 12 SCALE NTS.



6 **DETAIL 3**
AR 12 SCALE NTS.

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PUERTO PRINCESA CITY
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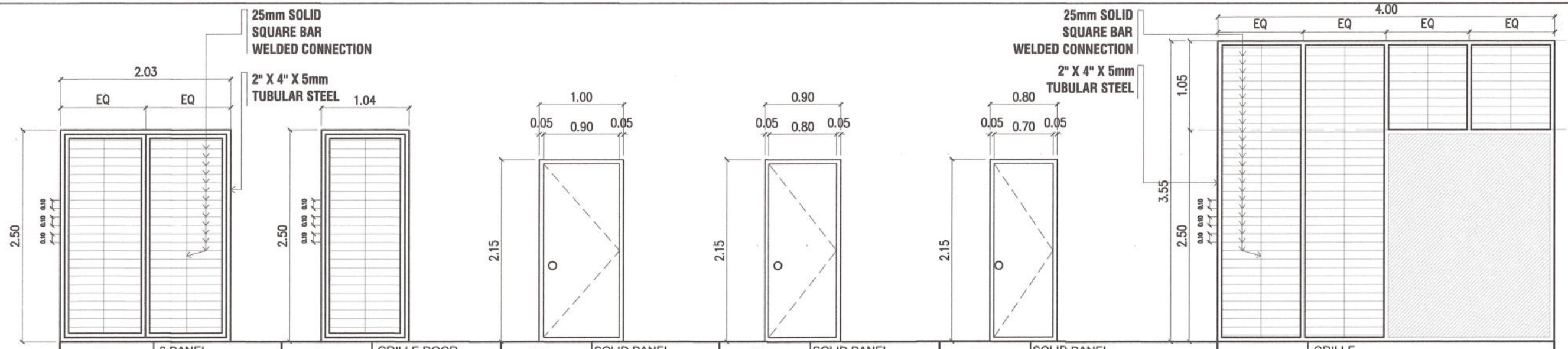
PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA UNIVERSITY PRESIDENT

PROJECT TITLE: " CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

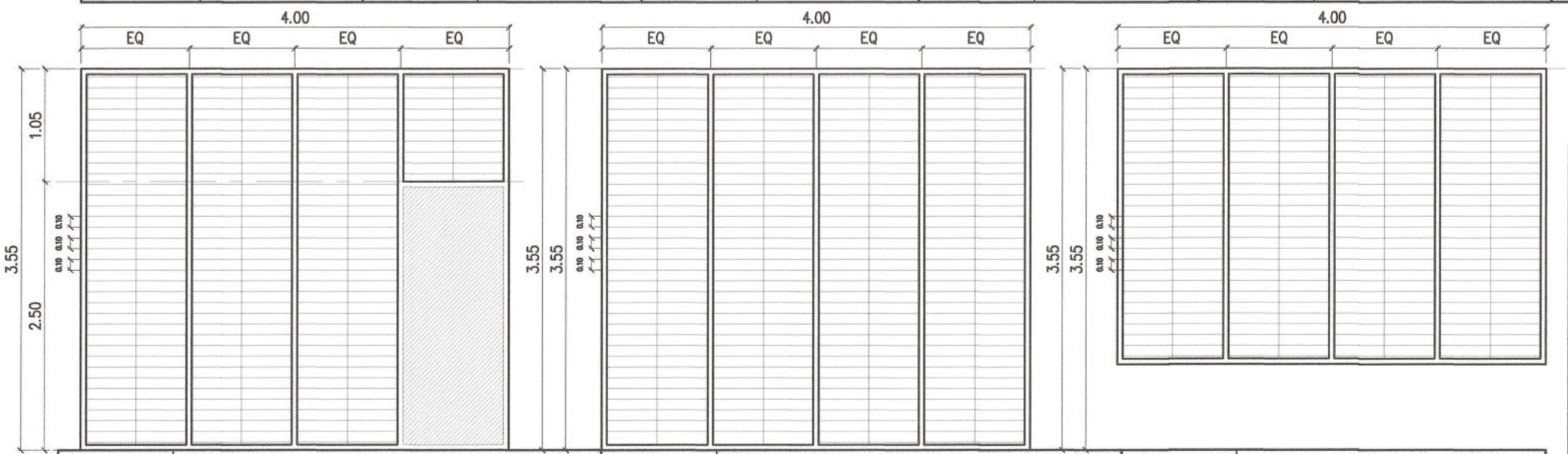
SHEET CONTENT: AS SHOWN
SCALE AS SHOWN
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PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEDA
LAST UPDATED	29 Jun 2026 - 9:46am
DATE PRINTED	29 Jun 2026 - 9:51am

SHEET NO. AR 12 | 16



D 01	2-PANEL GRILLE DOOR WITH 2'X4' TUBULAR JAMB	D 02	GRILLE DOOR WITH 2'X4' TUBULAR JAMB	D 03	SOLID PANEL DOOR ON 2'X6' WOOD JAMB	D 04	SOLID PANEL DOOR ON 2'X6' WOOD JAMB	D 05	SOLID PANEL DOOR ON 2'X6' WOOD JAMB	W 1	GRILLE WINDOW WITH 2'X4' TUBULAR JAMB
LOCATION:	LAB-1	LOCATION:	LAB-2 & LAB-3	LOCATION:	PWD	LOCATION:	ELECTRICAL ROOM, STORAGE,& TOILET	LOCATION:	UTILITY ROOM	LOCATION:	LAB-1
SET. REQ'D:	2 SETS	SET. REQ'D:	4 SETS	SET. REQ'D:	1 SET	SET. REQ'D:	4 SETS	SET. REQ'D:	1 SET	SET. REQ'D:	2 SETS
FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH



W 2	GRILLE WINDOW WITH 2'X4' TUBULAR JAMB	W 3	GRILLE WINDOW WITH 2'X4' TUBULAR JAMB	W 4	GRILLE WINDOW WITH 2'X4' TUBULAR JAMB
LOCATION:	LAB-2 & LAB-3	LOCATION:	LAB-1 & LAB-2	LOCATION:	LAB-3
SET. REQ'D:	4 SETS	SET. REQ'D:	6 SETS	SET. REQ'D:	2 SETS
FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH	FINISHES:	PAINT FINISH



GRILLES WINDOW PERSPECTIVE

1 SCHEDULE OF DOORS & WINDOWS

AR 13 SCALE 1:50 MTS.

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

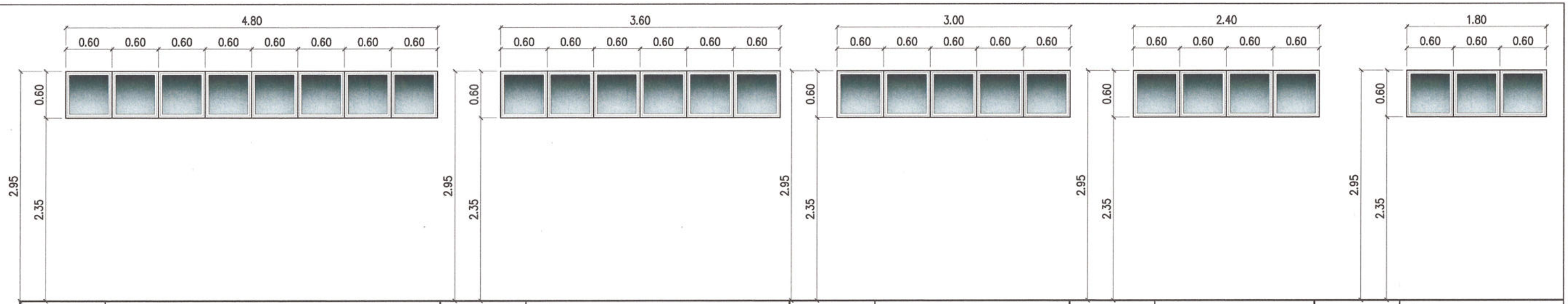
PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. [illegible] UNIVERSITY PRESIDENT

PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "**
MAIN CAMPUS

SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
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LAST UPDATED	29 Jun 2026 - 9:46am
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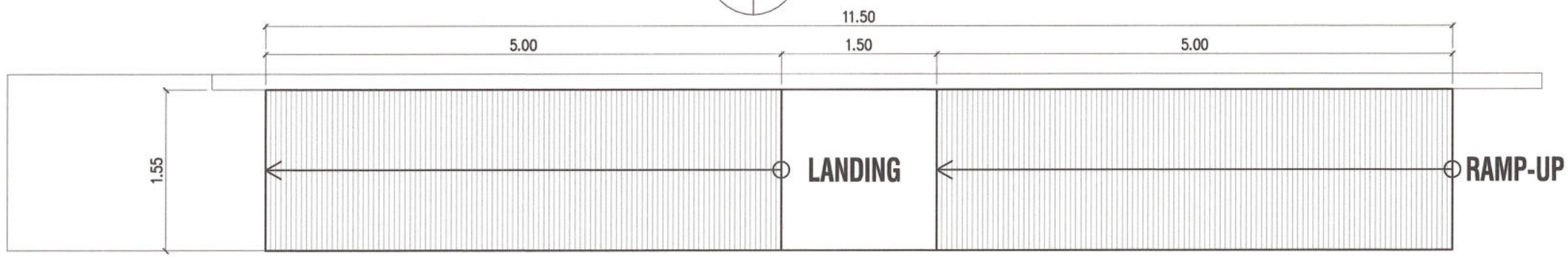
SHEET NO. AR 13 | 16



W 5	1½"x3" ALUMINUM JAMB W/ 3/16"THK. CLEAR GLASS AWNING WINDOW	W 6	1½"x3" ALUMINUM JAMB W/ 3/16"THK. CLEAR GLASS AWNING WINDOW	W 7	1½"x3" ALUMINUM JAMB W/ 3/16"THK. CLEAR GLASS AWNING WINDOW	W 8	1½"x3" ALUMINUM JAMB W/ 3/16"THK. CLEAR GLASS AWNING WINDOW	W 9	1½"x3" ALUMINUM JAMB W/ 3/16"THK. CLEAR GLASS AWNING WINDOW
LOCATION:	FEMALE & MALE TOILET, REAR SIDE VIEW	LOCATION:	FRONT ELEVATION	LOCATION:	REAR ELEVATION	LOCATION:	FRONT ELEVATION	LOCATION:	REAR ELEVATION
SET. REQ'D:	1 SET	SET. REQ'D:	1 SET	SET. REQ'D:	1 SET	SET. REQ'D:	1 SET	SET. REQ'D:	1 SET
FINISHES:	ANALOK FINISHED	FINISHES:	ANALOK FINISHED	FINISHES:	ANALOK FINISHED	FINISHES:	ANALOK FINISHED	FINISHES:	ANALOK FINISHED

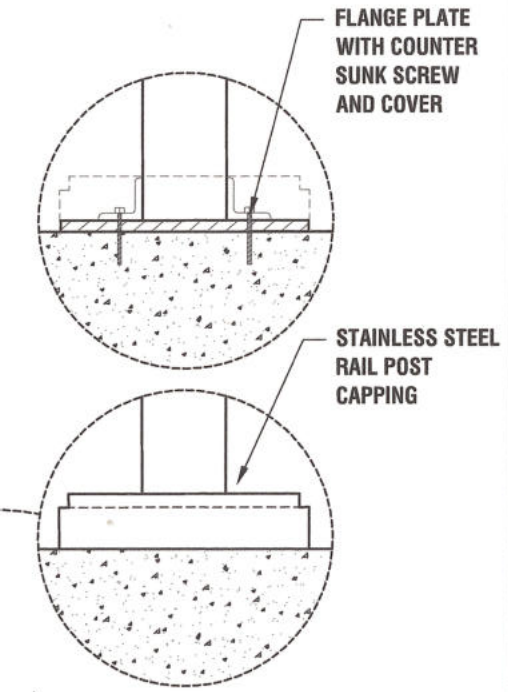
1 SCHEDULE OF WINDOWS

AR 14 SCALE 1:50 MTS.



2 RAMP DETAILS

AR 14 SCALE 1:50 MTS.



3 DETAIL 3

AR 14 SCALE NTS.

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
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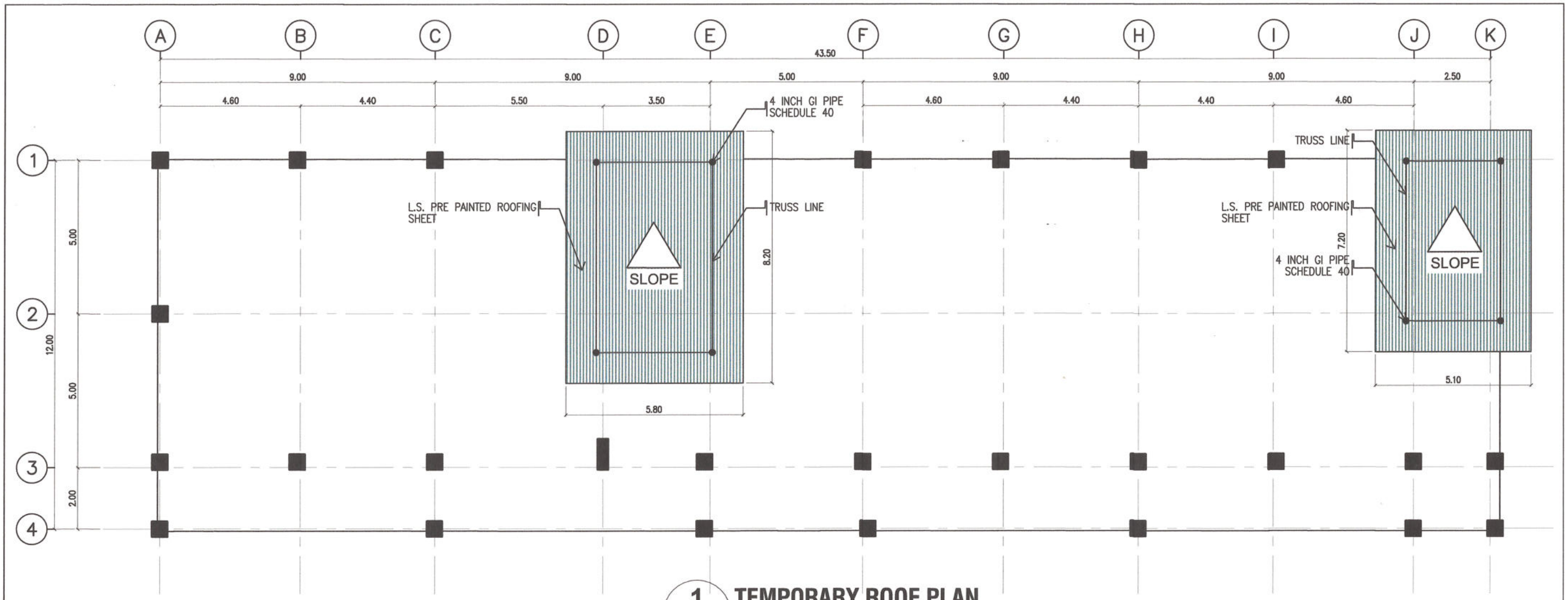
PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** — MAIN CAMPUS

SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN

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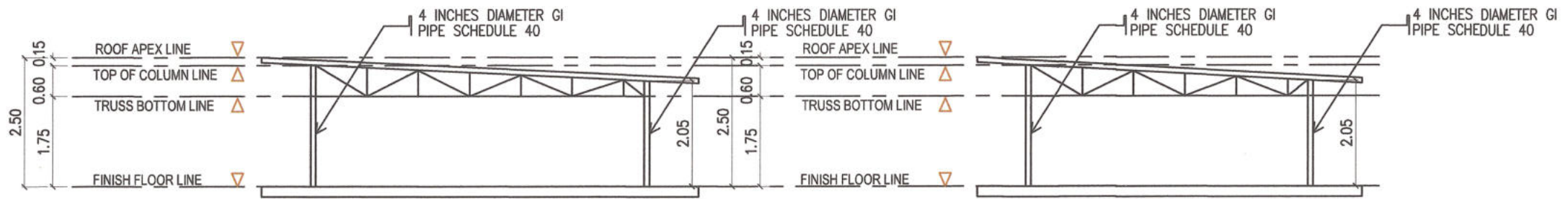
PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
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SHEET NO. AR 14 | 16



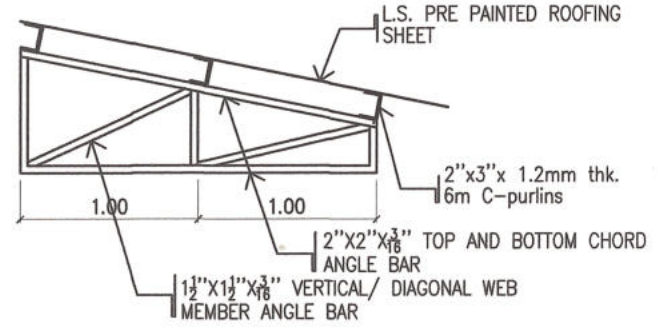
1 TEMPORARY ROOF PLAN

AR 15 SCALE 1:125 MTS.



2 TEMPORARY ROOF PLAN SECTION DETAILS

AR 15 SCALE 1:100 MTS.



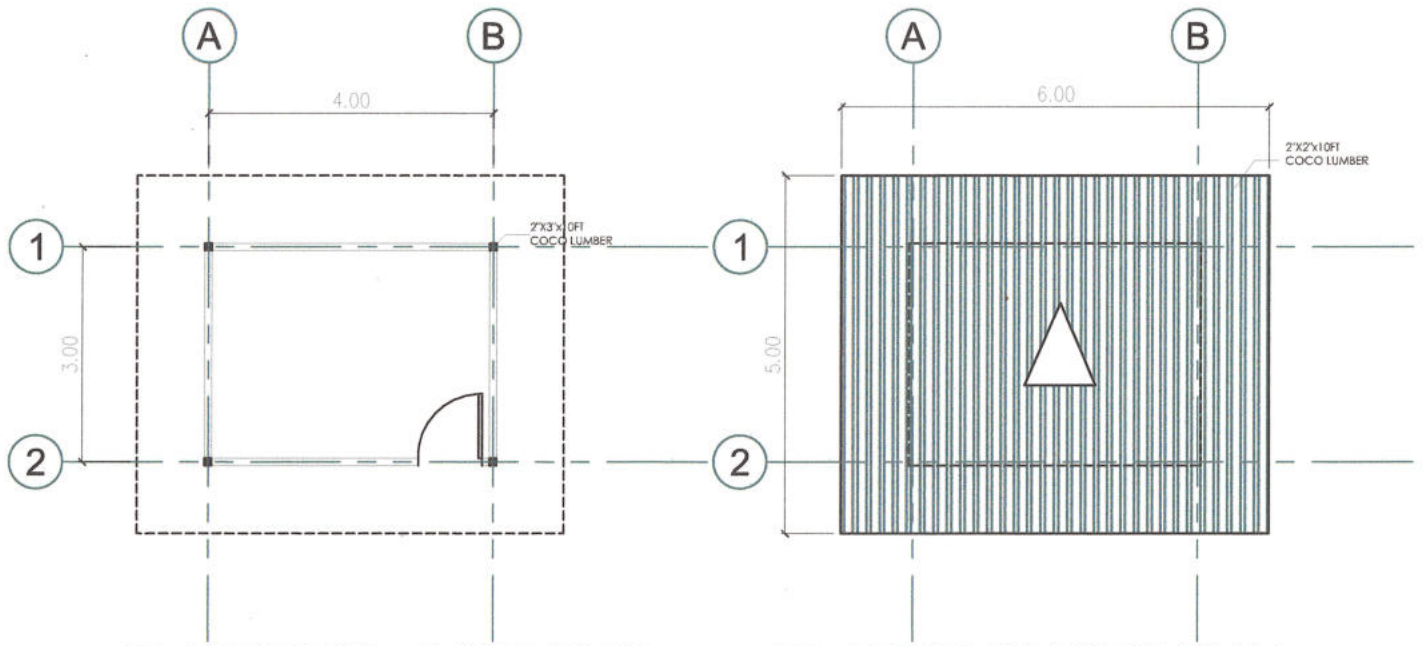
3 TRUSS DETAIL

AR 15 SCALE: 1:20 MTS.

SCOPE:

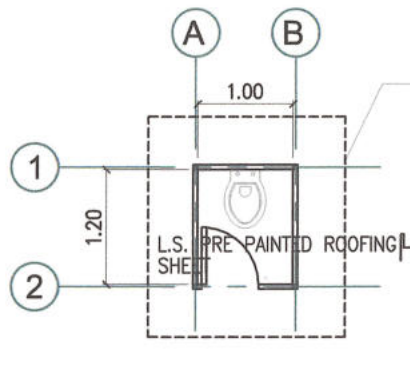
TEMPORARY ROOFING FOR SECOND FLOOR SLAB OPENING

REPUBLIC OF THE PHILIPPINES **PALAWAN STATE UNIVERSITY** PUERTO PRINCESA CITY ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY	PREPARED BY: **AR.CLIFFORD T. BALDOZANO** ARCHITECT	CHECKED & VERIFIED BY: **AR. AIREEN MAE P. ALLEDA** PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	RECOMMENDING APPROVAL: **ENGR. ALYSSA MARIE A. BACOLOD** UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: **DR. VENZON L. LIMPIADA** UNIVERSITY PRESIDENT	PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** MAIN CAMPUS	SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.	PARTICULARS DESIGNED BY PLANNING & DESIGN UNIT; DRAWN BY C. BALDOZANO; REVISED BY C. BALDOZANO; CHECKED BY AR. A. ALLEDA; LAST UPDATED 29 Jun 2026 - 9:46am; DATE PRINTED 29 Jun 2026 - 9:52am	SHEET NO. AR 15 | 16

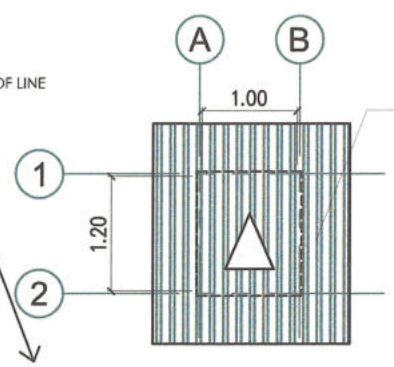


1 AR 16 **TEMFACIL. FLOOR PLAN**
SC: 1/ 75 MTS.

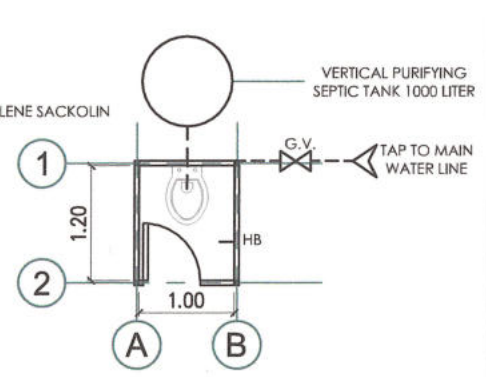
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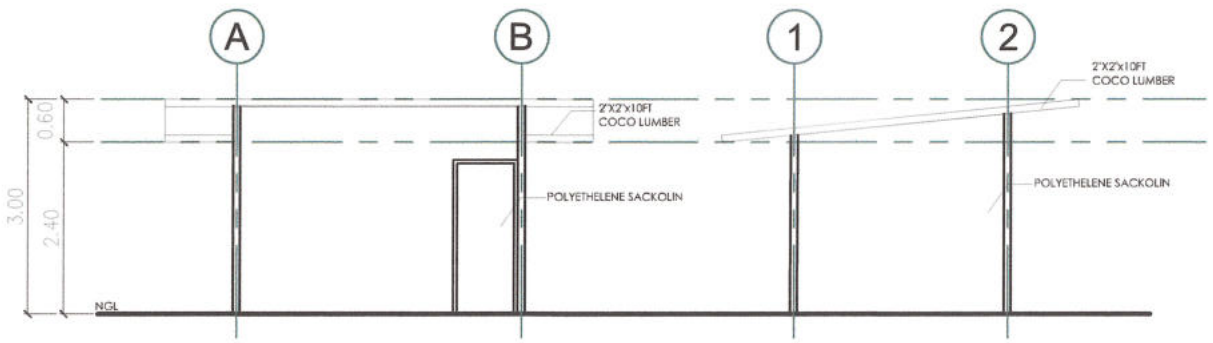
7 AR 16 **TOILET FLOOR PLAN**
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8 AR 16 **TOILET ROOF PLAN**
SC: 1/ 75 MTS.

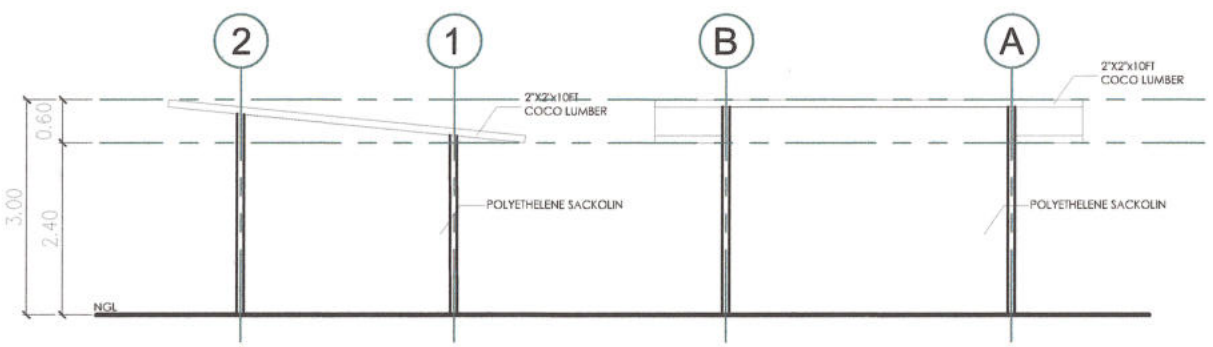


9 AR 16 **PLUMBING LAYOUT**
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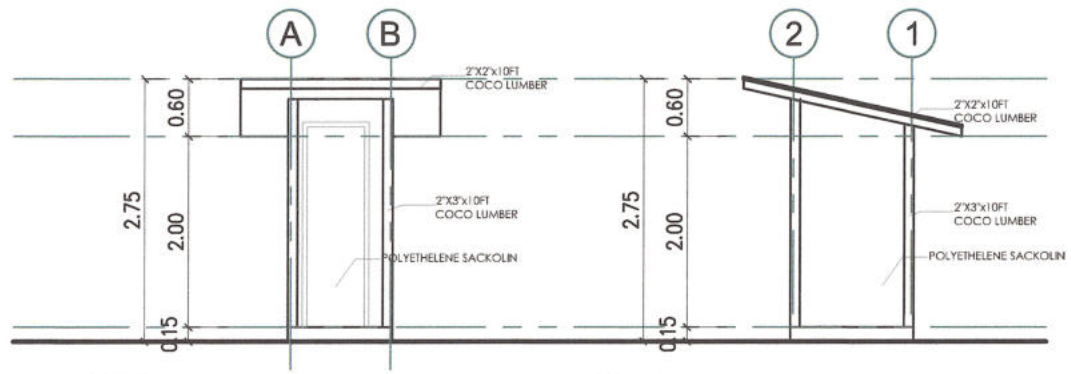
3 AR 16 **FRONT ELEVATION**
SC: 1/ 100 MTS.

4 AR 16 **RIGHT-SIDE ELEVATION**
SC: 1/ 100 MTS.



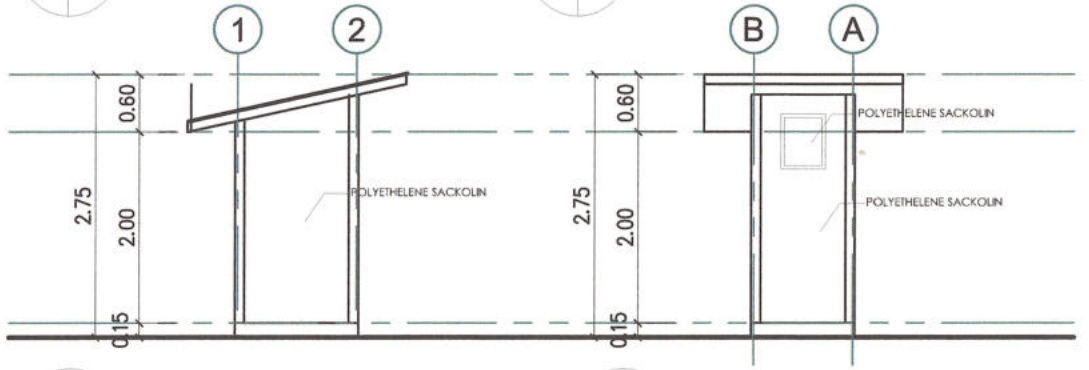
5 AR 16 **REAR ELEVATION**
SC: 1/ 100 MTS.

6 AR 16 **LEFT-SIDE ELEVATION**
SC: 1/ 100 MTS.



10 AR 16 **FRONT ELEVATION**
SC: 1/ 75 MTS.

11 AR 16 **RIGHT-SIDE ELEVATION**
SC: 1/ 75 MTS.



12 AR 16 **LEFT-SIDE ELEVATION**
SC: 1/ 75 MTS.

13 AR 16 **REAR ELEVATION**
SC: 1/ 75 MTS.

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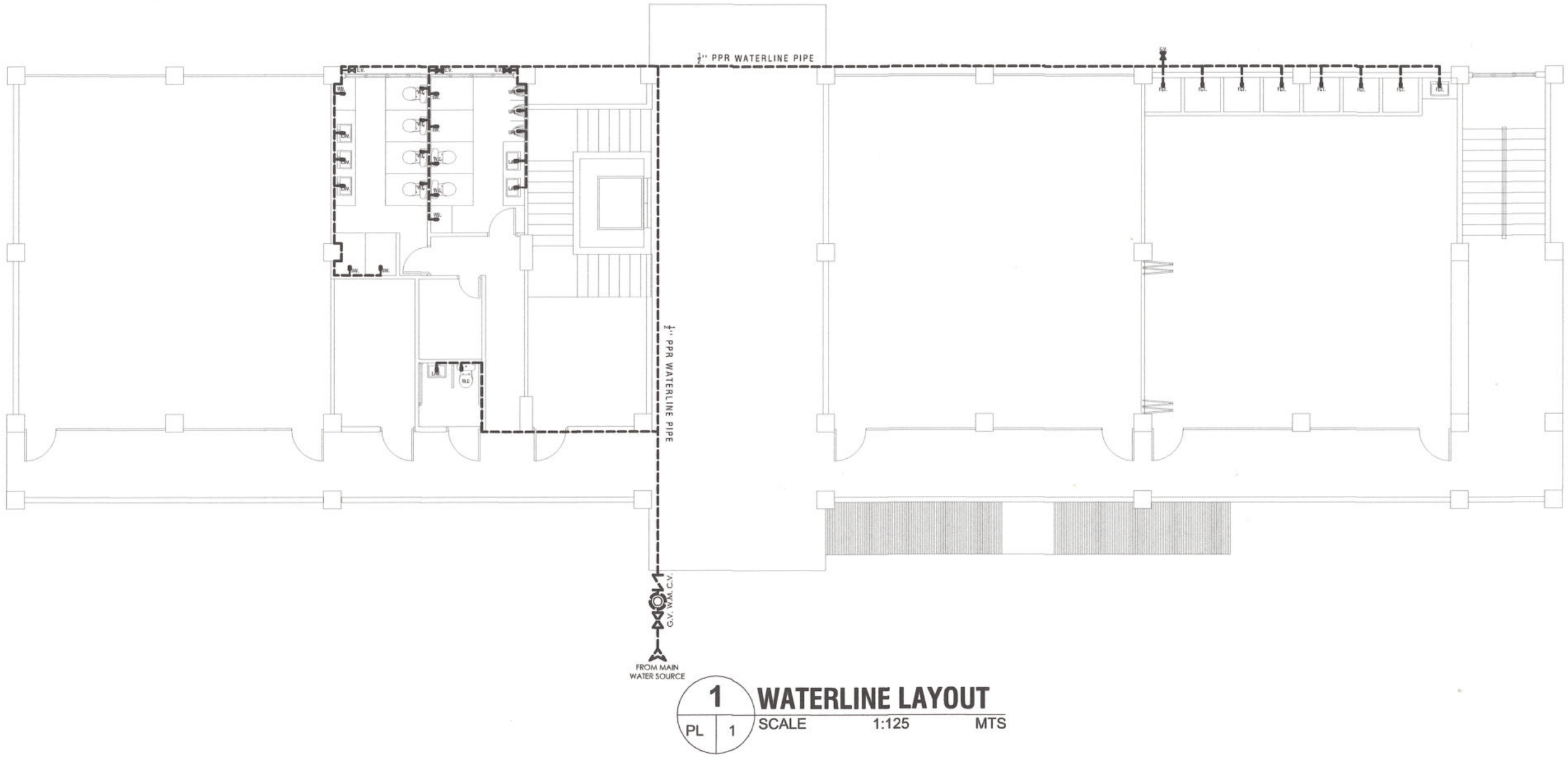
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AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LUMPIADA UNIVERSITY PRESIDENT

PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "**
MAIN CAMPUS

SHEET CONTENT: **AS SHOWN**
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
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REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEDA
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SHEET NO. AR 16 | 16



1 WATERLINE LAYOUT

PL 1 SCALE 1:125 MTS

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PUERTO PRINCESA CITY

ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

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ARCHITECT

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PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
ENGR. ALYSSA MARIE A. BACOLOD
UNIVERSITY ENGINEER
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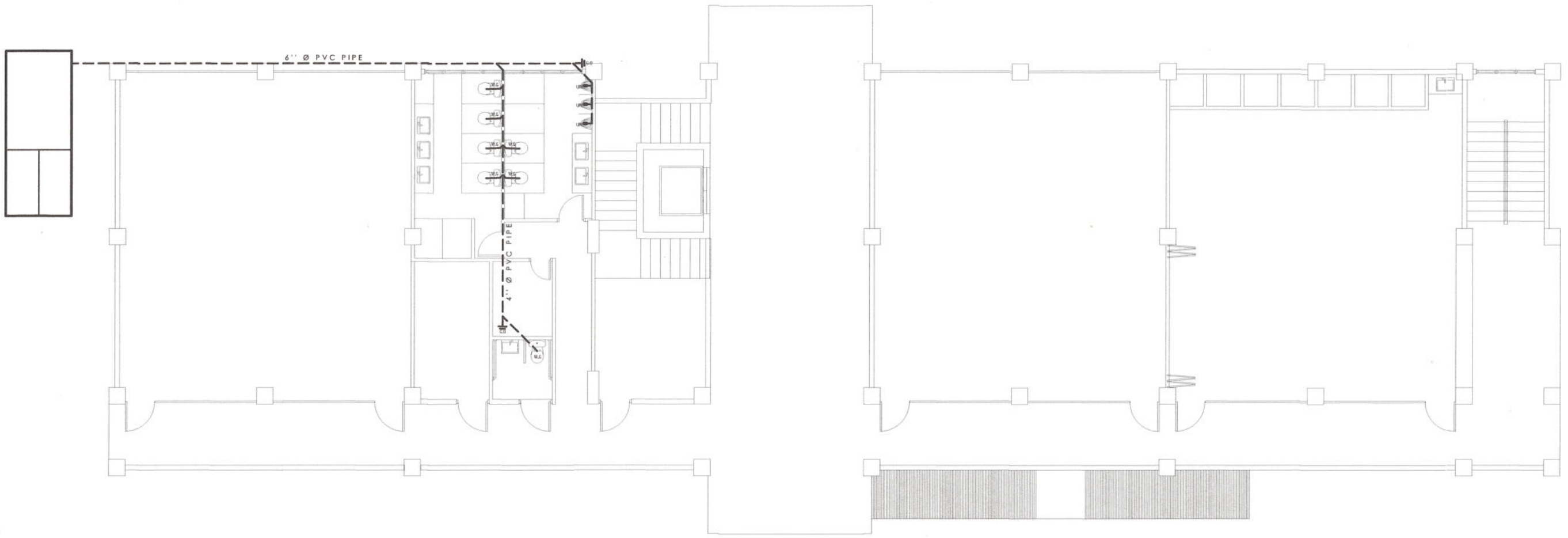
APPROVED BY:
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UNIVERSITY PRESIDENT

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SHEET NO.
PL 1 7



1 SEWER LINE LAYOUT

PL 2 SCALE 1:125 MTS

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PUERTO PRINCESA CITY

ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

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PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
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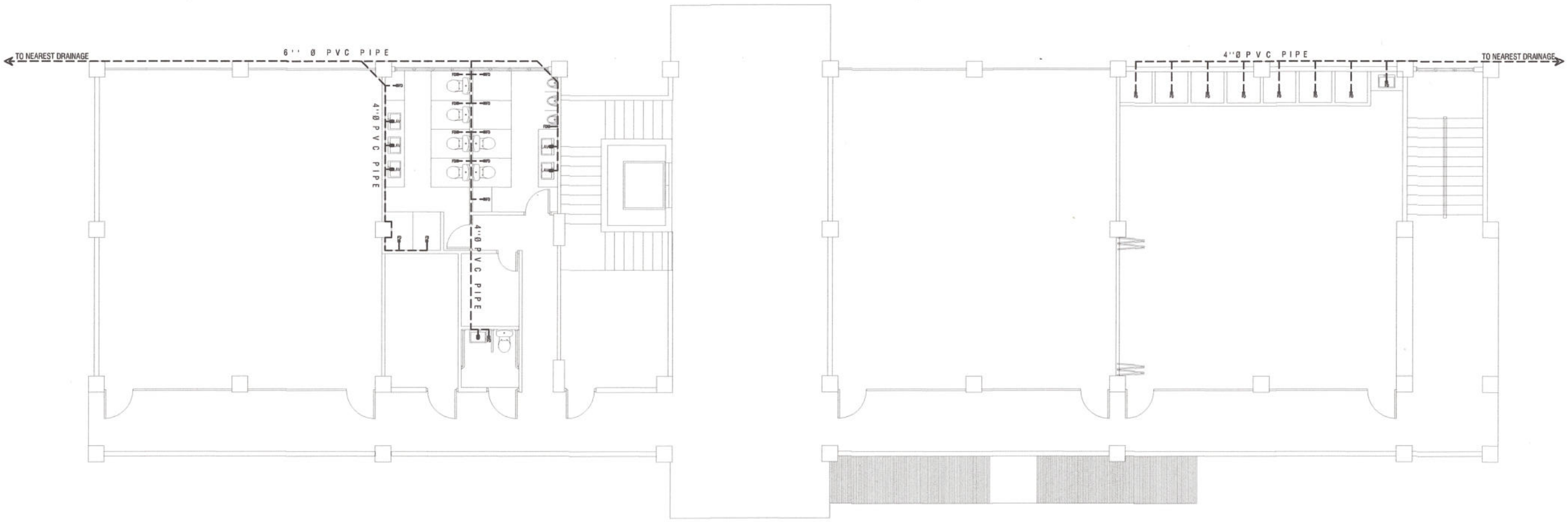
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PL 2 | 7



1 WASTE WATERLINE LAYOUT

PL 3 SCALE 1:125 MTS

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ENGR. ALYSSA MARIE A. BACOLOD
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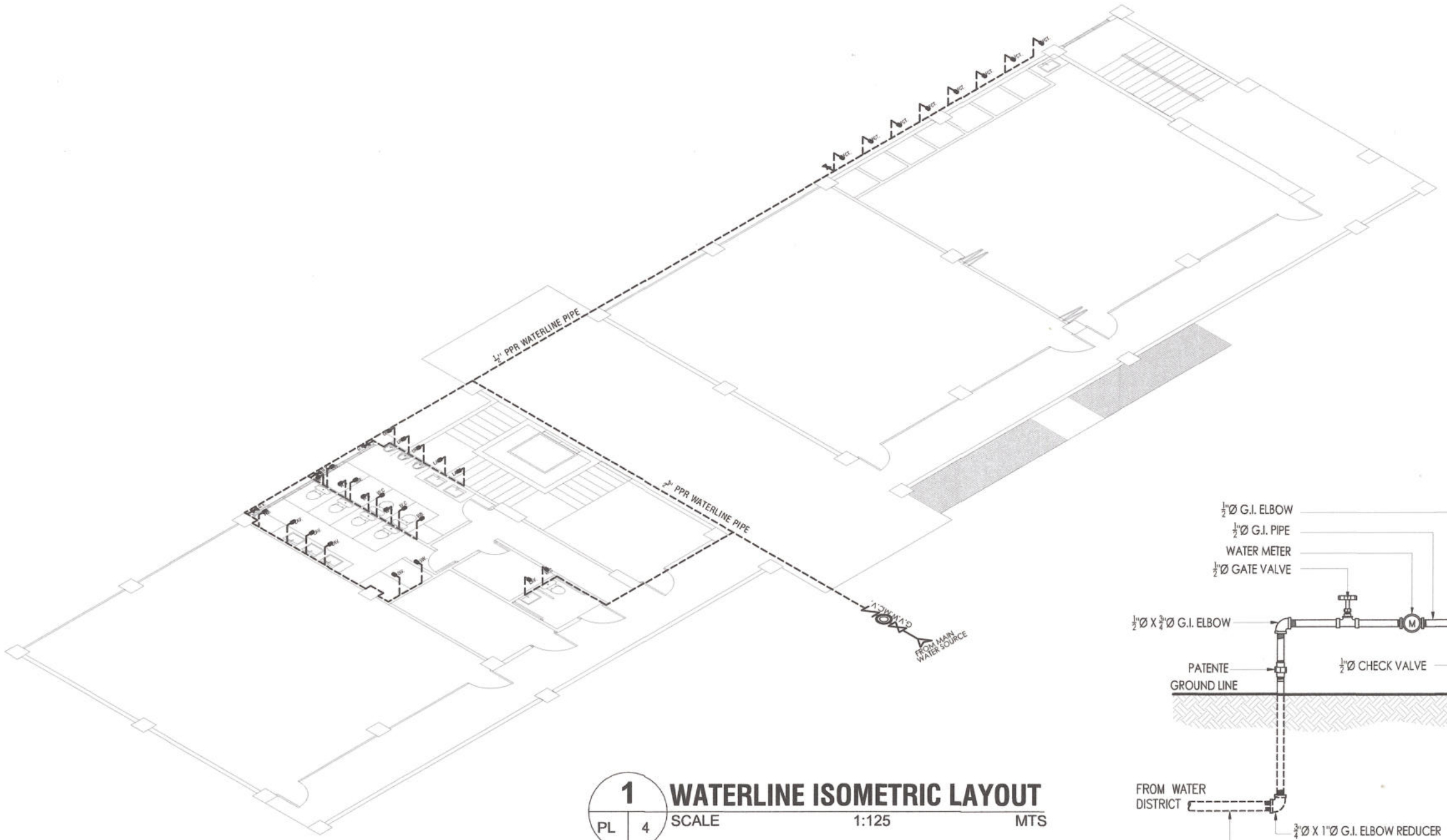
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UNIVERSITY PRESIDENT

PROJECT TITLE:
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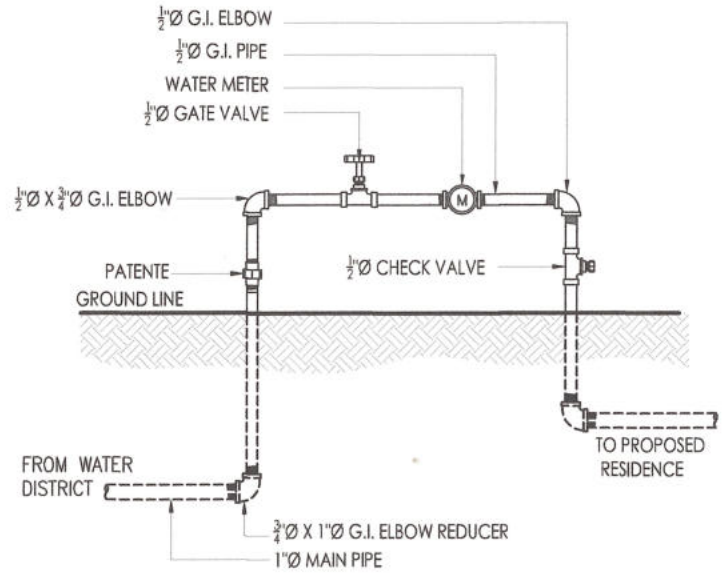
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PL 3 | 7



1 PL 4 **WATERLINE ISOMETRIC LAYOUT**
SCALE 1:125 MTS



2 PL 4 **WATER METER DETAIL**
NOT TO SCALE

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PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

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DIRECTOR, PROJECT MANAGEMENT OFFICE

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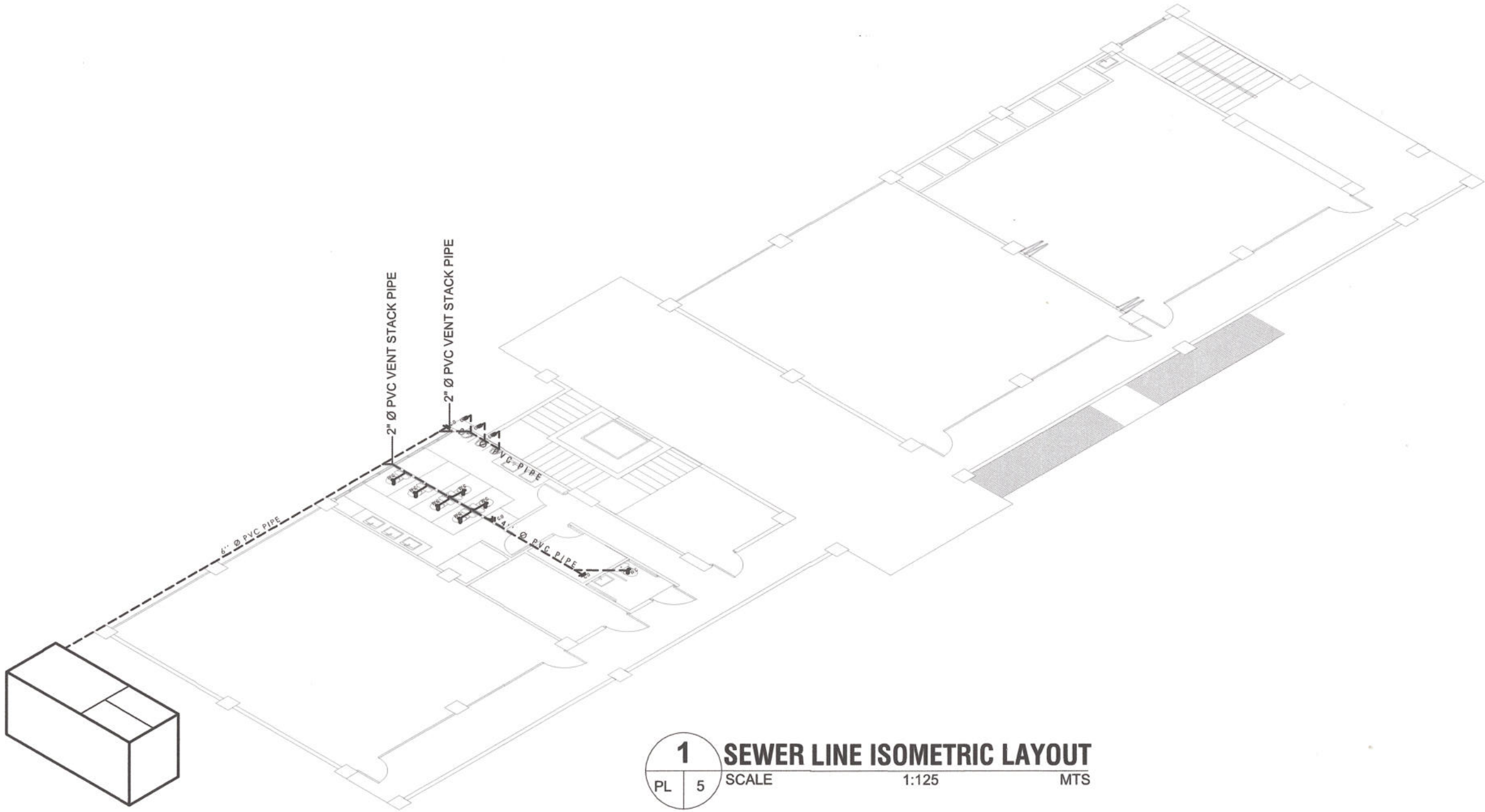
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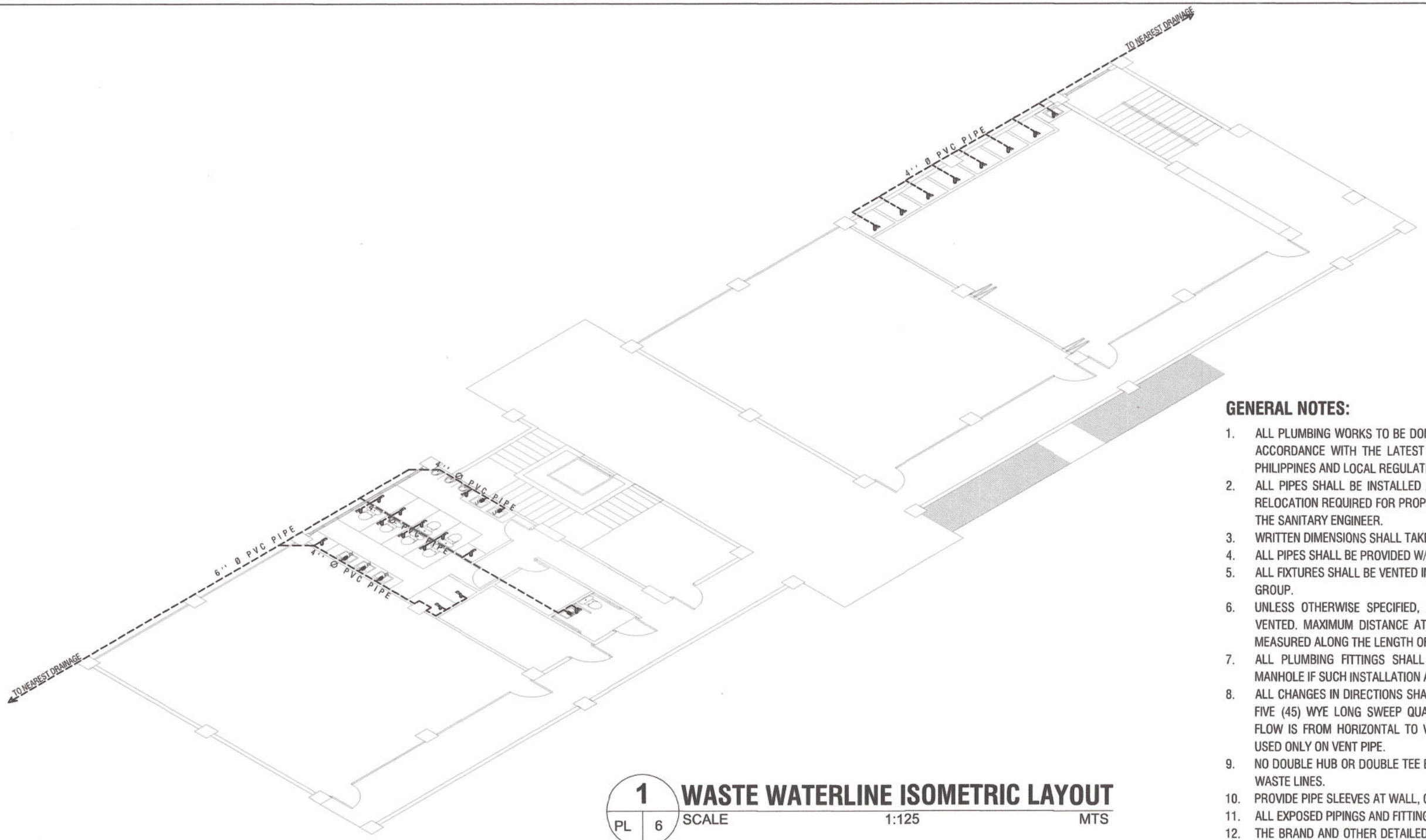
SHEET NO.
PL 4 | 7



1 SEWER LINE ISOMETRIC LAYOUT

PL 5 SCALE 1:125 MTS

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1 WASTE WATERLINE ISOMETRIC LAYOUT

PL 6 SCALE 1:125 MTS

GENERAL NOTES:

1. ALL PLUMBING WORKS TO BE DONE AND SIZES OF PIPES TO BE USED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL PLUMBING CODE OF THE PHILIPPINES AND LOCAL REGULATION AND ORDINANCES.
2. ALL PIPES SHALL BE INSTALLED AS INDICATED IN THE WORKING DRAWINGS. ANY RELOCATION REQUIRED FOR PROPER EXECUTION SHALL BE UPON THE APPROVAL OF THE SANITARY ENGINEER.
3. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
4. ALL PIPES SHALL BE PROVIDED W/ PROPER HANGER AND SUPPORT.
5. ALL FIXTURES SHALL BE VENTED INDIVIDUALLY AND WATERLINE SHALL BE VALVE BY GROUP.
6. UNLESS OTHERWISE SPECIFIED, ALL PLUMBING FIXTURES SHALL BE PROPERLY VENTED. MAXIMUM DISTANCE AT VENTILATION FROM FIXTURES SHALL BE 1.50m MEASURED ALONG THE LENGTH OF PIPE.
7. ALL PLUMBING FITTINGS SHALL BE ACCESSIBLE FOR MAINTAINANCE. PROVIDE MANHOLE IF SUCH INSTALLATION ARE INSIDE THE CEILING.
8. ALL CHANGES IN DIRECTIONS SHALL BE MADE BY THE APPROPRIATE USE OF FORTY FIVE (45) WYE LONG SWEEP QUARTER BEND. ONE EIGHT WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A SINGLE BEND COMBINATION MAY BE USED ONLY ON VENT PIPE.
9. NO DOUBLE HUB OR DOUBLE TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES.
10. PROVIDE PIPE SLEEVES AT WALL, COLUMNS OR SLAB TO PROTECT FROM BREAKAGE.
11. ALL EXPOSED PIPINGS AND FITTINGS IN THE AREAS SHALL BE CHROMED PLATED.
12. THE BRAND AND OTHER DETAILED PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH THE SCHEDULE FURNISHED BY THE ARCHITECT.
13. GATE VALVE SHALL BE BRONZE BODY, SOLID WEDGE TYPE, SCREWED OR FLANGE END.
14. USE POLYPROPYLENE RANDOM, TYPE 3, PN20 FOR ALL WATER PIPING SYSTEM.
15. USE uPVC SANITARY PIPING SYSTEM SERIES 1000 FOR 100mmØ.
16. ENGINEER-IN-CHARGE TO VERIFY ACTUAL LOCATION AND ELEVATION OF STREET DRAINAGE, STREET SEWER AND STREET WATER MAINS FOR CONNECTION BEFORE CONSTRUCTION.
17. PRESSURE TEST SHALL BE CONDUCTED PRIOR TO THE CONCEALMENT THE ROUGHING INS.
18. TESTING AND COMMISSIONING OF ALL SYSTEM.

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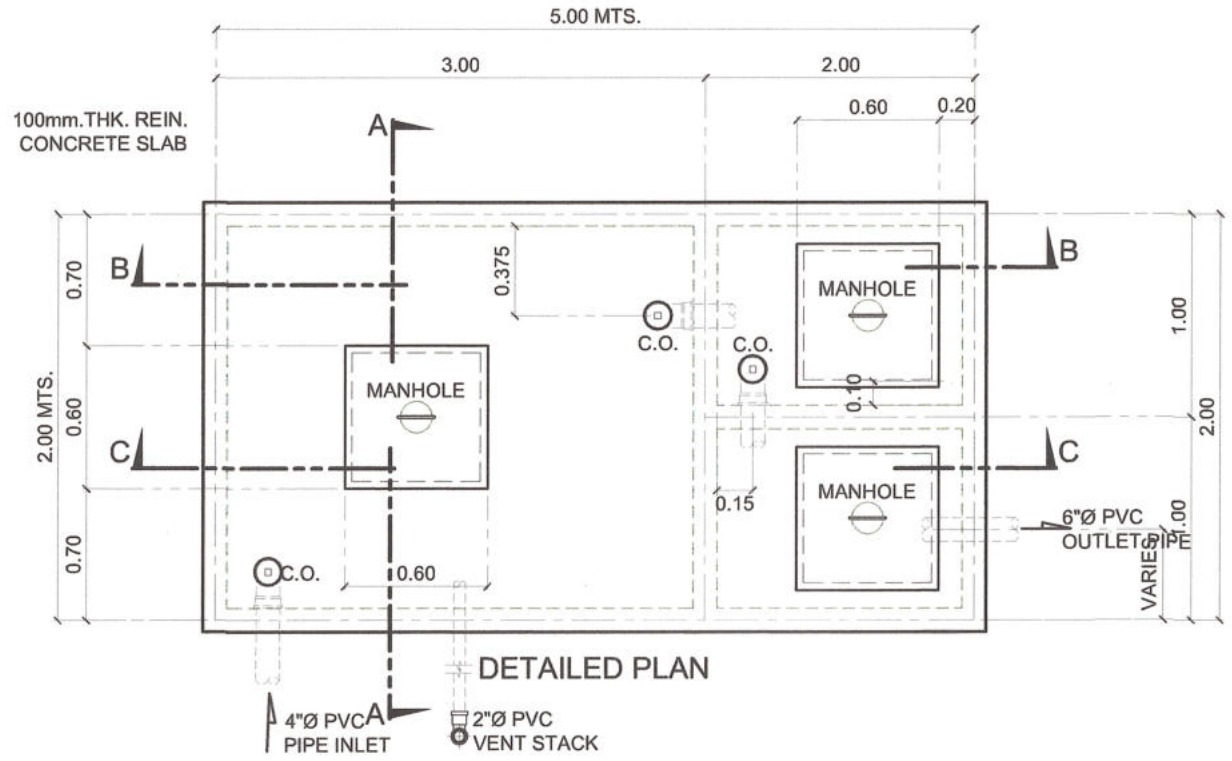
PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA UNIVERSITY PRESIDENT
CHECKED BY: AGUSTIN S. LIAO III PROJECT DEVELOPMENT OFFICER I			

PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** — MAIN CAMPUS

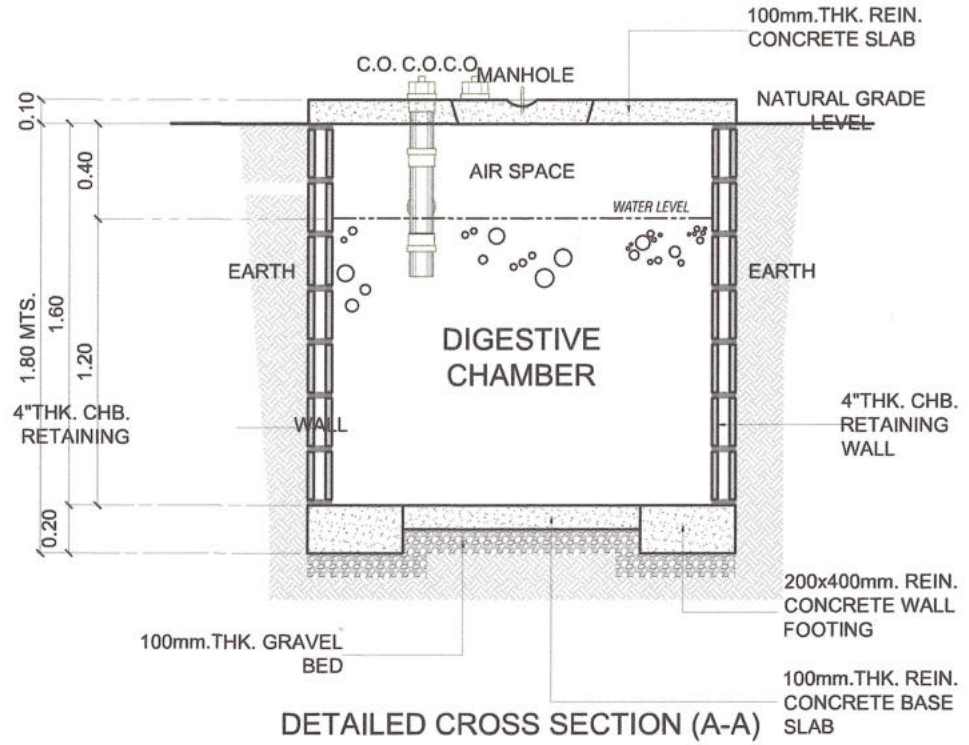
SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN — NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

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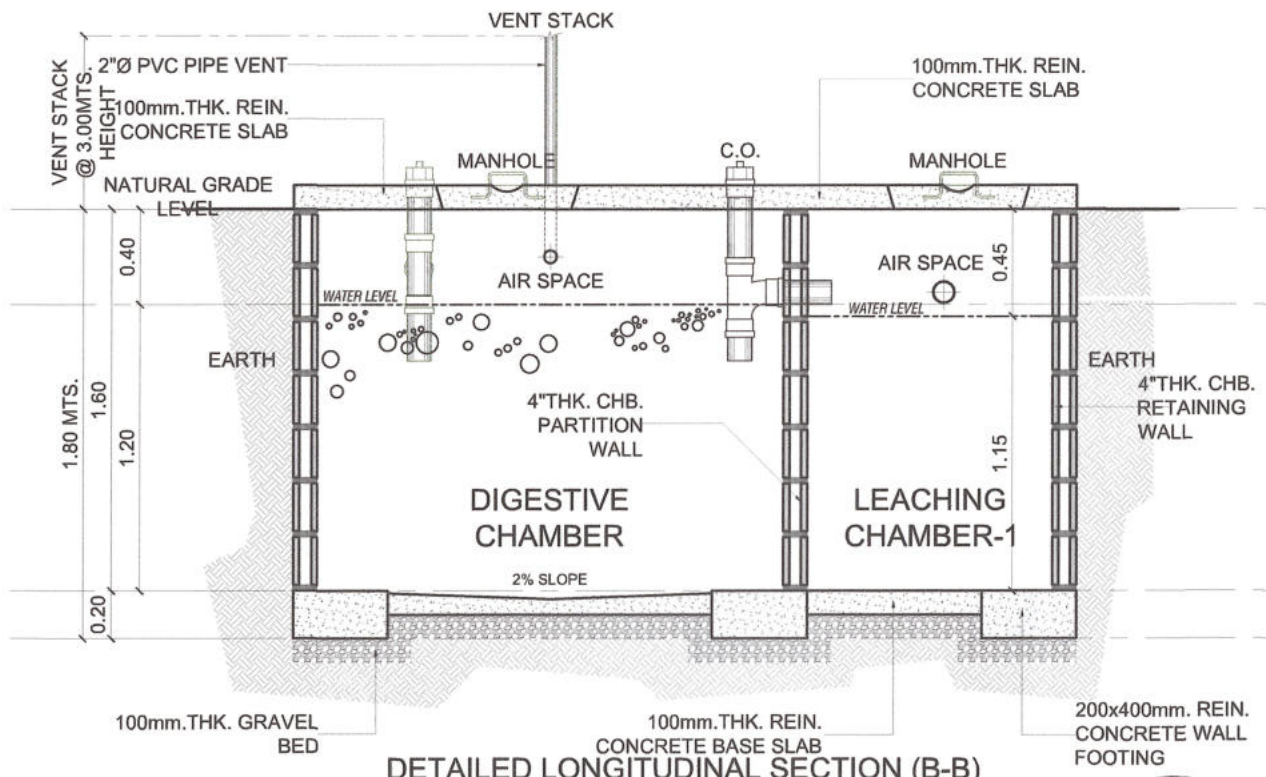
SHEET NO. PL 6 | 7



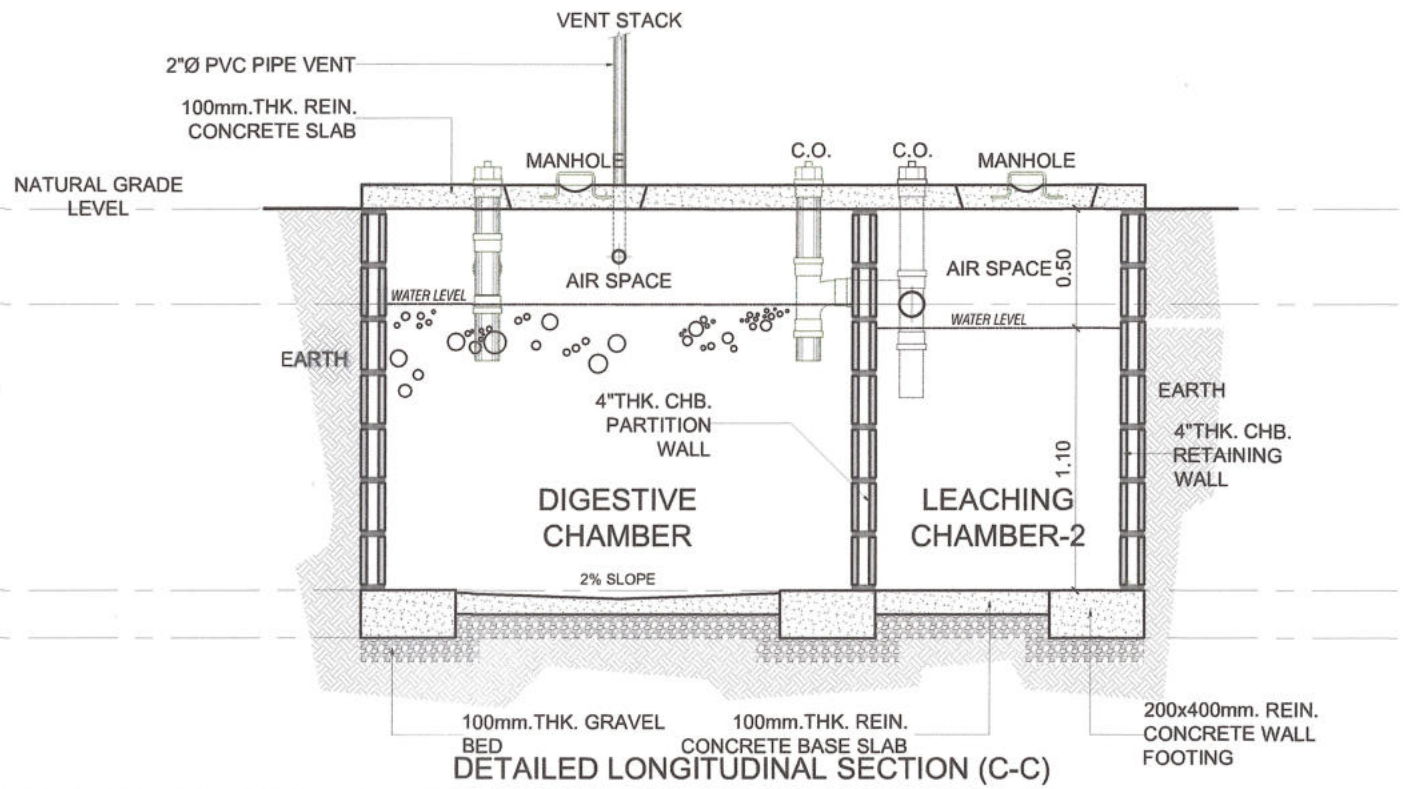
DETAILED PLAN



DETAILED CROSS SECTION (A-A)



DETAILED LONGITUDINAL SECTION (B-B)



DETAILED LONGITUDINAL SECTION (C-C)

1 SEPTIC TANK DETAIL

PL 7

SCALE: 1:30 MTS

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PUERTO PRINCESA CITY
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PREPARED BY: **AR.CLIFFORD T. BALDOZANO** ARCHITECT CHECKED BY: **AGUSTIN S. LIAO III** PROJECT DEVELOPMENT OFFICER I	CHECKED & VERIFIED BY: **AR. AIREEN MAE P. ALLEDA** PROJECT DEVELOPMENT OFFICER II, HEAD, PLANNING & DESIGN UNIT, PROJECT MANAGEMENT OFFICE	RECOMMENDING APPROVAL: **ENGR. ALYSSA MARIE A. BACOLOD** UNIVERSITY ENGINEER, DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: **DR. VENZON L. CIMPIADA** UNIVERSITY PRESIDENT	PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** MAIN CAMPUS	SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

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CONSTRUCTION NOTES

A. GENERAL NOTES

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES HE MAY FINDBEFORE PROCEEDING WITH THE WORK, OR DURING CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING & BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.
4. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEERS APPROVAL BEFORE FABRICATION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.
6. INSPECTION - ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.
7. ALL SLABS, BEAMS, GIRDERS AND OTHER STRUCTURAL ELEMENTS WHICH ARE NOT INDICATED, DETAILED, DESIGNATED OR INADVERTENTLY OMITTED BUT ARE NECESSARY TO BE COORDINATED WITH THE ARCHITECTURAL AND OTHER ENGINEERING PLANS AS WELL AS TO COMPLETE THE STRUCTURAL WORK IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT UP DURING PRE-BIDS/MEETINGS/NEGOTIATIONS. IT IS UNDERSTOOD THAT THE CONTRACTOR HAS PROVIDED AND INCLUDED ALL THESE ITEMS IN THEIR BID.

B. FOUNDATION NOTES

1. SAFE BEARING CAPACITY IS _____ kPa.
   a. PILE CAPACITY 110 TONS.
   b. BOTTOM OF FOOTINGS SHOULD BE SOLID GROUND. ACTUAL DEPTH TO BE APPROVED BY THE ENGINEER.
   c. SOIL BEARING CAPACITY SHALL BE INCREASED BY 33% WHEN COMBINATION WITH SEISMIC OR WIND LOAD.
2. ALL COLUMN FOOTINGS SHALL REST ON 0.10m THICK WELL COMPACTED GRAVEL BASE COURSE.
3. BACKFILL SHALL BE PACED IN 0.20m LAYERS AND EACH LAYER SHALL BE COMPACTED TO 95%MAXIMUM DRY DENSITY.
4. WHERE LOOSE/SOFT MATERIAL IS ENCOUNTERED AT DEPTH OF EMBEDMENT EXCAVAVATE TO FIRM LAYER OR TO MAXIMUM OF 0.10m AND REPLACE LOOSE/SOFT MATERIALS UNDERNEATH THE FOOTING WITHIN THE FOOTING AREA PLUS 1/2 OF THE DEPTH OF EXCAVATED SOFT MATERIAL ON ALL SIDES WITH SELECTED SAND/GRAVEL BACKFILL MATERIALS COMPACTED AS DESIRED BY THE ENGINEER.
5. THE STRUCTURAL ENGINEER-OF-RECORD, UPON NOTIFICATION, SHALL CONDUCT THOROUGH INSPECTION OF FOUNDATION WORKS AFTER EXCAVATION BEFORE FOOTINGS ARE COMPLETED. NO REINFORCING STEEL OR FORMWORKS SHALL BE PLACED PRIOR TO INSPECTION. CONCRETE POURING OF THE FOUNDATION SYSTEM SHALL NOT BE ALLOWED WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER-ON-RECORD.

C. SLAB-ON-GRADE NOTES

1. THE SOIL, SUBGRADE AND FILL LAYERS BELOW ALL SLABS-ON-GRADE, PAVING AND PIT SLABS SHALL BE MECHANICALLY COMPACTED IN 200MM THICK LAYERS TO A MINIMUM OF 95 PERCENT MDD.
2. ALL SLAB-ON-GRADE SHALL BE PROVIDED WITH A MINIMUM OF 100MM THICK COMPACTED CLEAN COARSE GRAVEL BED, EXCEPT AS OTHERWISE DETAILED IN THE PLANS.
3. ALL SLAB-ON-GRADE ARE NOT DESIGNED AS PRESSURE SLAB UNLESS OTHERWISE INDICATED ON PLAN.
4. SLAB-ON-GRADE SHALL BE 100MM THICK WITH 10MM DIA. BARS SPACED AT 0.60M O.C.

D. CONCRETE NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) 2010 OR THE AMERICAN CONCRETE INSTITUTE BUILDING CODE FOR REINFORCED CONCRETE ACI 318 - EXCEPT AS MODIFIED HEREIN.

1. CONSTRUCTION OR COLD JOINTS SHALL BE LOCATED WITHIN THE MIDDE THIRD OF SPANS OF SLABS, BEAMS, AND GIRDERS FOR CASE UNAVOIDABLE, PROPOSED LOCATION MUST BE APPROVED FIRST BY THE STRUCTURAL ENGINEER.
2. PIPES OR DUCTS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED.
3. REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN PLACE BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE.
4. ALL INSERTS, ANCHOR BOLTS, ETC. TO BE EMBEDDED IN THE CONCRETE SHALL BE HOT DIP GALVANIZED UNLESS NOTED OTHERWISE.
5. IN GENERAL, THE LATEST EDITION OF THE MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES, ACI 315, SHALL BE ADHERED TO, UNLESS SHOWN OTHERWISE.
6. USE OF ADMIXTURES IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO THE ENGINEER'S APPROVAL. ADDITION OF WATER TO CONCRETE AT JOB SITE IS NOT ALLOWED.
7. PREPARE AND SUBMIT CONCRETE MIX DESIG INCLUDING AGGREGATES GRADATION, WATER AND CEMENT CONTENTS, AND CYLINDER STRENGTH TEST RESULT FOR REVIEW.

SCHEDULE OF STRUCTURAL CONCRETE AT 28 DAYS COMPRESSIVE STRENGTH

LOCATION	STRUCTURAL ELEMENTS	28-DAY COMPRESSIVE STRENGTH MPa (psi)	MAX. SLUMP mm (in.)
FOUNDATION	FOOTING	20.7 (3000)	100 (4")
GROUND LEVEL	SLAB ON GRADE	17.3 (2500)	100 (4")
ALL LEVELS	SLAB	20.7 (3000)	100 (4")
ALL LEVELS	BEAMS	20.7 (3000)	100 (4")
ALL LEVELS	COLUMNS	20.7 (3000)	100 (4")

SCHEDULE OF CONCRETE AGGREGATES

ITEMS	MAXIMUM AGGREGATE SIZE
FOOTINGS	19 mm (3/4")
SLABS	13 mm (1/2")
WALLS	19 mm (3/4")
BEAMS	19 mm (3/4")
COLUMNS	19 mm (3/4")

E. REINFORCING STEEL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) 2010 OR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION FOR REINFORCING STEEL AND REINFORCING BARS EXCEPT AS MODIFIED HEREIN.

SCHEDULE OF REINFORCING STEEL AND REINFORCING BARS

DIAMETER OF BARS	ASTM	GRADE
WELDED WIRE MESH	—	Fy = 228 MPa (33)
12MMØ AND SMALLER	A615 / A615M (DEFORMED)	Fy = 228 MPa (33)
16MMØ AND LARGER	A615 / A615M (DEFORMED)	Fy = 276 MPa (40)

1. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BEND SHALL BE MADE COLD.
2. IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER STAGGER SPLICES AT LEAST 600mm. WHENEVER POSSIBLE IN BEAMS AND SLABS, SPLICE TOP BAR AT MIDSPAN AND BOTTOM BARS NEAR SUPPORT. SPLICE OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY THE ACI CODE OR AS AUTHORIZED BY THE ENGINEERS.
3. BARS NOTED AS CONTINUOUS SHALL HAVE A MINIMUM SPLICE LENGTH OF 40 BAR DIAMETER BUT NOT LESS THAN 300mm UNLESS OTHERWISE NOTED.
4. REINFORCEMENT SHALL BE SPLICED ONLY AS INDICATED IN THE DRAWINGS.
5. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE:

F. MASONRY WORKS

1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE, TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA SHALL BE DEVELOPED.
2. PROVIDE 1-Ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS AND EACH SIDE OF OPENINGS.
3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM) ON EACH SIDE OF MASONRY WALL OPENING.
4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS.

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 IN. (200 MM)	Ø12 @ 600 MM	Ø10 @ 600 MM
6 IN. (150 MM)	Ø12 @ 600 MM	Ø10 @ 600 MM
4 IN. (100 MM)	Ø10 @ 600 MM	Ø10 @ 600 MM

5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS WHERE SPLICE DOWELS FROM FOOTING OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 40 BAR DIAMETERS, AND DOWELS TO MATCH.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT (REFER TO SPECIFICATIONS).

ITEMS	COVER
CONCRETE CAST AGAINST EARTH	75mm
EXPOSED TO EXTERIOR OR WEATHER	50mm
FORMED SURFACE BELOW GRADE	50mm
SLAB ON GRADE	50mm
COLUMNS/SHEARWALLS AND BEAMS	40mm
STRUCTURAL SLABS TOP AND BOTTOM (INTERIOR)	25mm
R.C. WALLS	20mm

6. WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS MATERIAL TEST RESULT PROVES THAT THE BAR IS WELDABLE.
7. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL PREPARED IN ACCORDANCE WITH ACI 315, INDICATE BENDING DIAGRAM, ASSEMBLY DIAGRAM, SPLICING AND LAPS OF RODS AND SHAPES DIMENSIONS AND DETAILS FOR REINFORCING BARS.
8. ANCHOR BOLTS, DOWELS, AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

SCHEDULE OF DEVELOPMENT LENGTH

BAR SIZE (GR. 60)	DEVELOPMENT LENGTH (Ld)						
	f'c = 21MPa (3000 psi)	f'c = 28MPa (4000 psi)	f'c = 34MPa (5000 psi)	f'c = 42MPa (6000 psi)	f'c = 48MPa (7000 psi)	f'c = 55MPa (8000 psi)	f'c = 68MPa (10000 psi)
10mmØ (#3)	450	400	350	325	300	275	250
12mmØ (#4)	525	475	425	375	350	325	300
16mmØ (#5)	700	625	550	500	475	425	400
20mmØ (#6)	875	775	675	625	575	550	475
22mmØ (#7)	975	850	750	675	625	600	525
25mmØ (#8)	1350	1175	1050	950	900	825	750
28mmØ (#9)	1500	1300	1175	1075	1000	925	825
32mmØ (#10)	1725	1500	1350	1225	1125	1050	950
36mmØ (#11)	1950	1675	1500	1375	1275	1200	1075

SCHEDULE OF LAP SPLICE

BAR SIZE (GR. 60)	LAP SPLICE (Lb)						
	f'c = 21MPa (3000 psi)	f'c = 28MPa (4000 psi)	f'c = 34MPa (5000 psi)	f'c = 42MPa (6000 psi)	f'c = 48MPa (7000 psi)	f'c = 55MPa (8000 psi)	f'c = 68MPa (10000 psi)
10mmØ (#3)	600	525	475	425	400	375	325
12mmØ (#4)	700	625	575	500	475	425	400
16mmØ (#5)	925	825	725	650	625	575	525
20mmØ (#6)	1150	1025	900	825	750	725	625
22mmØ (#7)	1275	1125	975	900	825	800	700
25mmØ (#8)	1775	1550	1375	1250	1175	1075	975
28mmØ (#9)	1950	1700	1550	1400	1300	1225	1075
32mmØ (#10)	2250	1950	1775	1600	1475	1375	1250
36mmØ (#11)	2550	2200	1950	1800	1675	1575	1400

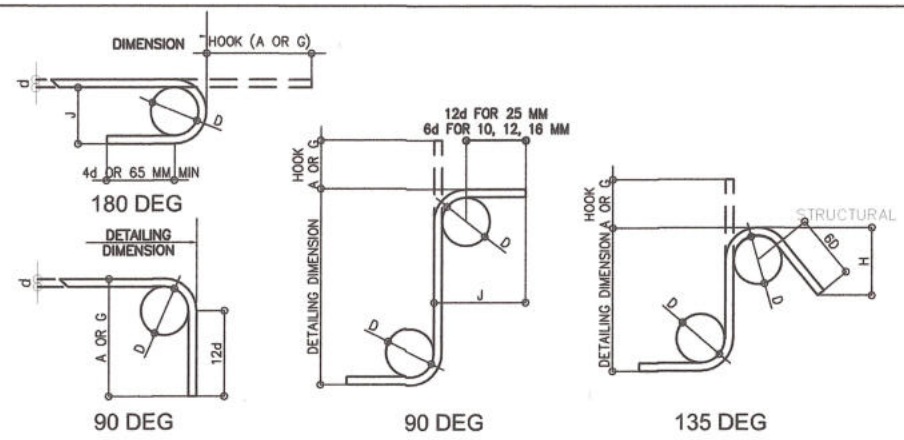
SCHEDULE OF DEVELOPMENT LENGTH OF STANDARD HOOKS

BAR SIZE (GR. 60)	DEVELOPMENT LENGTH OF STANDARD HOOKS (Ldh)						
	f'c = 21MPa (3000 psi)	f'c = 28MPa (4000 psi)	f'c = 34MPa (5000 psi)	f'c = 42MPa (6000 psi)	f'c = 48MPa (7000 psi)	f'c = 55MPa (8000 psi)	f'c = 68MPa (10000 psi)
10mmØ (#3)	220	190	170	155	150	150	150
12mmØ (#4)	265	230	205	190	175	165	150
16mmØ (#5)	350	305	275	250	230	215	195
20mmØ (#6)	440	380	340	310	290	270	240
22mmØ (#7)	485	420	375	340	315	295	265
25mmØ (#8)	550	475	425	390	360	335	300
28mmØ (#9)	615	530	475	435	405	375	340
32mmØ (#10)	700	610	545	495	460	430	385
36mmØ (#11)	790	685	610	560	515	485	435

BAR SIZE (GR. 40)	DEVELOPMENT LENGTH OF STANDARD HOOKS (Ldh)						
	f'c = 21MPa (3000 psi)	f'c = 28MPa (4000 psi)	f'c = 34MPa (5000 psi)	f'c = 42MPa (6000 psi)	f'c = 48MPa (7000 psi)	f'c = 55MPa (8000 psi)	f'c = 68MPa (10000 psi)
10mmØ (#3)	150	150	150	150	150	150	150
12mmØ (#4)	175	155	150	150	150	150	150

STANDARD HOOKS, ALL GRADES

BAR SIZE (GR. 60)	FINISHED BEND DIAMETER, D (MM)	STANDARD HOOKS	
		90° X (MM)	180° Y (MM)
10mmØ (#3)	60	180	100
12mmØ (#4)	72	216	120
16mmØ (#5)	96	288	160
20mmØ (#6)	120	360	200
22mmØ (#7)	132	396	220
25mmØ (#8)	150	450	250
28mmØ (#9)	224	560	336
32mmØ (#10)	256	640	384
36mmØ (#11)	288	720	432



STANDARD HOOKS STIRRUPS AND TIE-HOOKS

CONCRETE HOLLOW BLOCKS REINFORCEMENT

THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
0.076m	10ø @ 0.60m O.C.	10ø @ 0.60m O.C.	A. MIN. LAP SPLICE = 0.25M B. PROVIDE RIGHT ANGLE REINFORCEMENT AT CORNER 0.90M LONG. C. WHERE CHB WALLS ADJOINING COLUMN, R.C. BEAM, WALL DOWEL W/ SAME SIZE AS VERTICAL OR HORIZONTAL REINFORCEMENT SHALL BE PROVIDED.
0.102m	10ø @ 0.60m O.C.	10ø @ 0.60m O.C.	
0.152m	10ø @ 0.60m O.C.	10ø @ 0.60m O.C.	
0.208m	10ø @ 0.60m O.C.	10ø @ 0.60m O.C.	

CONCRETE WALLS:

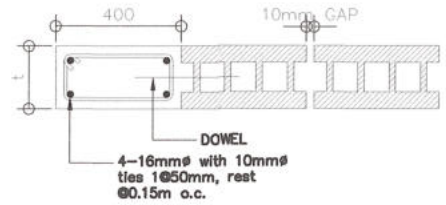
UNLESS OTHERWISED INDICATED IN THE PLANS, WALL REINFORCEMENT SHALL BE FOLLOWED ACCORDING TO THE FOLLOWING SCHEDULE

WALL THK.	REINFORCEMENT		REMARKS	VERTICAL SECTION
	HORIZONTAL	VERTICAL		
0.10m	10ø @ 0.25m O.C.	10ø @ 0.30m O.C.	HOR. & CENTER VERT. BARS STAGGERED OUTSIDE	
0.125m	10ø @ 0.20m O.C.	10ø @ 0.25m O.C.	– DO –	
0.15m	12ø @ 0.25m O.C.	12ø @ 0.30m O.C.	BOTH FACES HOR. SHALL BE INSIDE	
0.178m	12ø @ 0.23m O.C.	12ø @ 0.25m O.C.	– DO –	
0.20m	12ø @ 0.30m O.C.	12ø @ 0.30m E.F.	BOTH FACES HOR. SHALL BE OUTSIDE	
0.225m	12ø @ 0.20m O.C.	12ø @ 0.25m O.C. E.F.	– DO –	
0.25m	12ø @ 0.30m O.C. E.F.	12ø @ 0.30m O.C. E.F.	– DO –	
0.275m	12ø @ 0.25m O.C. E.F.	12ø @ 0.30m O.C. E.F.	– DO –	
0.30m	12ø @ 0.23m O.C. E.F.	12ø @ 0.27m O.C. E.F.	– DO –	
0.35m	12ø @ 0.20m O.C. E.F.	12ø @ 0.25m O.C. E.F.	– DO –	
0.40m	12ø @ 0.25m O.C. E.F.	12ø @ 0.30m O.C. E.F.	– DO –	

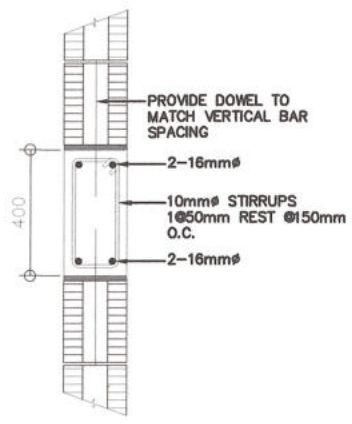
CHB STIFFENER DETAILS

NOTE:
PROVIDE VERTICAL STIFFENERS EVERY 3000mm O.C. MAXIMUM
PROVIDE HORIZONTAL STIFFENERS EVERY 3000mm O.C. MAXIMUM

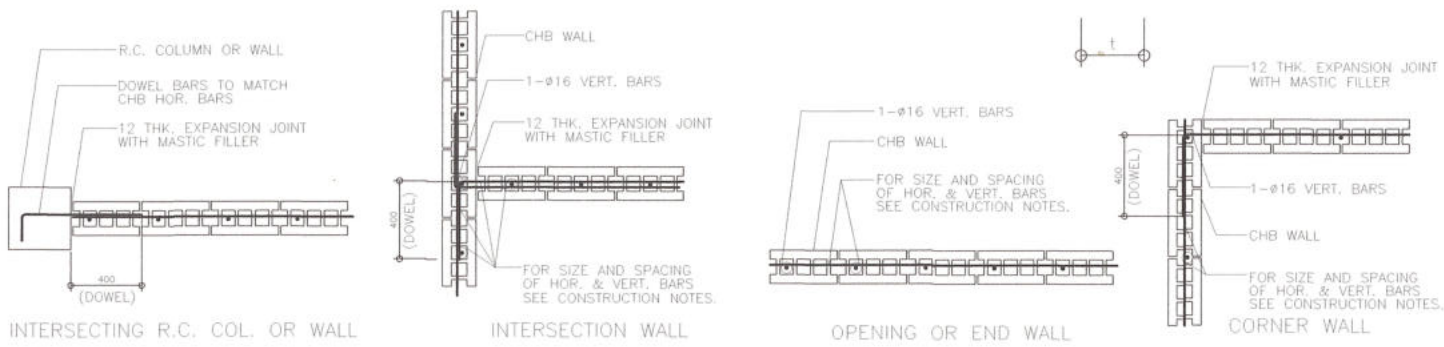
VERTICAL STIFFENER



HORIZONTAL STIFFENER



TYPICAL CONNECTION DETAIL OF MASONRY WALL



REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO, ARCHITECT	AR. AIREEN MAE P. ALLEDA, PROJECT DEVELOPMENT OFFICER II, HEAD, PLANNING & DESIGN UNIT, PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD, UNIVERSITY ENGINEER, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA, UNIVERSITY PRESIDENT
CHECKED BY: ENGR. REDEN ARGAWANON, ENGINEER			

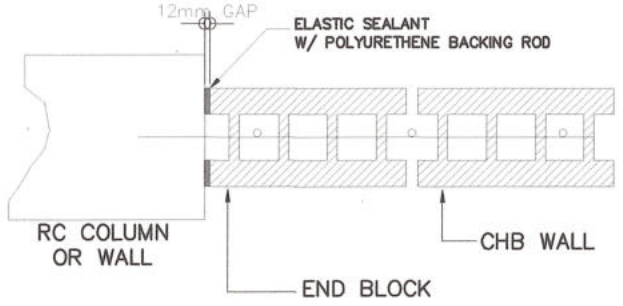
PROJECT TITLE: " CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS " — MAIN CAMPUS

SHEET CONTENT: AS SHOWN, SCALE AS SHOWN — NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

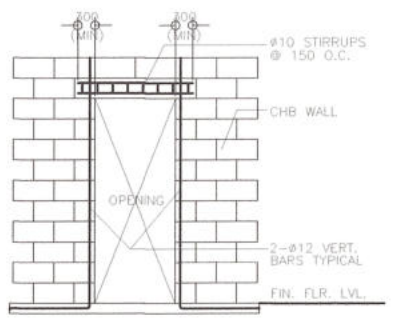
PARTICULARS:
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 12:23pm
DATE PRINTED: 30 Jun 2026 - 12:25pm

SHEET NO.: ST 1 | 13

CHB REINFORCING DETAILS



CHB WALL OPENING DETAILS



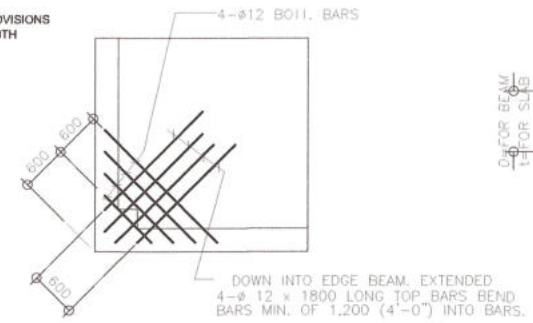
ELEVATION

TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING

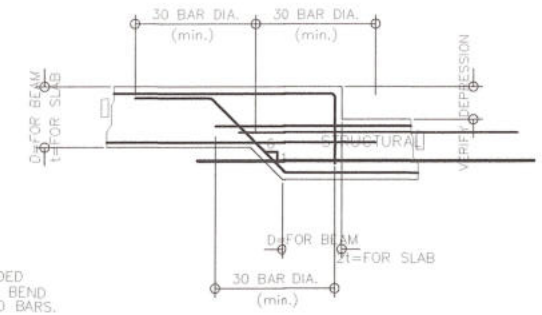
1. STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISIONS OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS 1989 - 9TH EDITION.

STRUCTURAL STEEL MEMBERS	ASTM A-36, GR 36 OR A992
	Fy = 248 MPa (36 ksi)
LC PURLIN	Fy = 248 MPa (36 ksi)
STEEL PLATES	Fy = 248 MPa (36 ksi)

2. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO A325 UNLESS OTHERWISE INDICATED. ANCHOR BOLTS SHALL LIKEWISE BE OF EQUAL STRENGTH AS A325 BOLTS OF THE SAME.
3. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS STRUCTURAL WELD CODE D1-1 LATEST REVISION FOR SHIELDING METAL ARC WELDING PROCESS. ELECTRODES E-70 SHALL CONFORM TO AWS AS-1 OR LATEST EDITION. SUBMERGED ARC WELDING PROCESS MAY BE USED AT THE OPTION OF FABRICATOR UPON THE APPROVAL OF ENGINEER.
4. ALL WELDED CONNECTIONS MUST DEVELOP THE FULL STRENGTH OF THE MEMBERS.
5. FABRICATION AND WELDING SHALL BE GOVERNED BY APPLICABLE PROVISIONS OF THE LATEST AISC OR AWS STANDARDS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK ACTUAL FIELD CONDITIONS PRIOR TO PREPARATION OF FABRICATION (SHOP) DRAWINGS.
7. THE CONTRACTOR SHALL PREPARE FABRICATION (SHOP) DRAWINGS OF ALL STRUCTURAL STEEL MEMBERS BASED ON THE DESIGNS FOR APPROVAL OF THE ENGINEER PRIOR TO FABRICATION.
8. ALL DOUBLE-ANGLE STRUCTURAL MEMBERS SHAL BE PROVIDED WITH GUSSET PLATES AS SHOWN IN THE DRAWINGS.
9. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL RECEIVE AT LEAST ONE COAT OF RED LEAD PAINT.

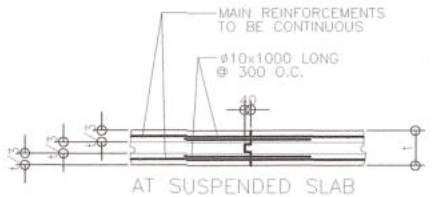


TYPICAL CORNER SLAB DETAIL

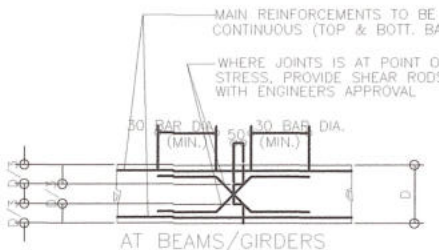


TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT

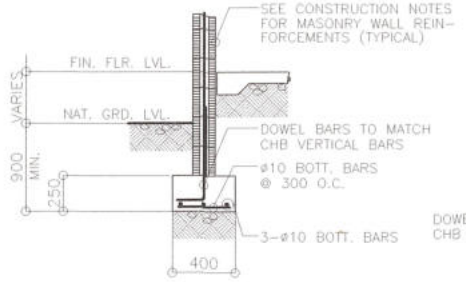
CONSTRUCTION JOINT DETAIL



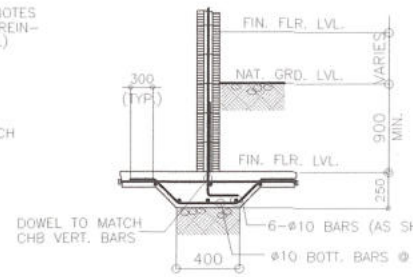
AT SUSPENDED SLAB



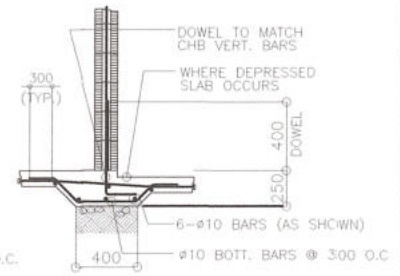
AT BEAMS/GIRDERS



WF1

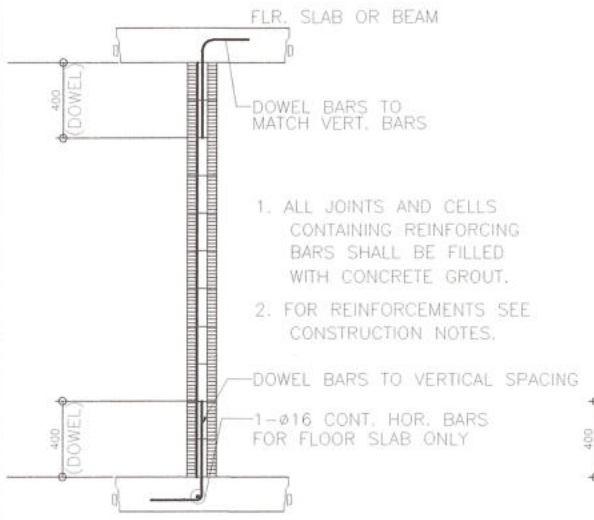


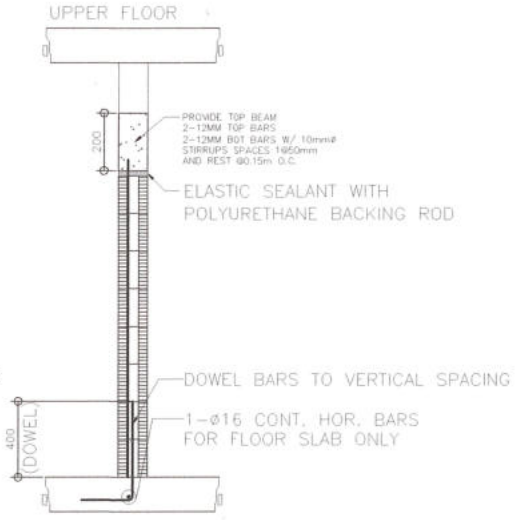
WF2



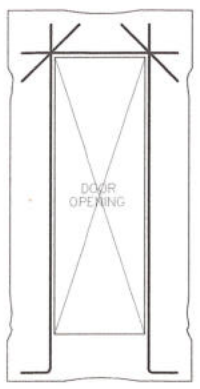
TYPICAL CHB FOOTING DETAILS (WHERE APPLICABLE)

SUPPORTED WALL DETAILS

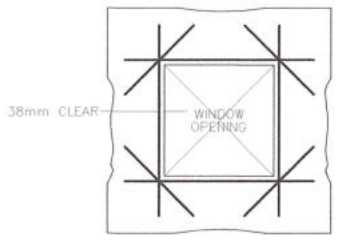




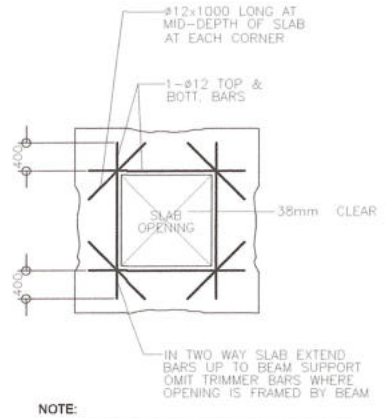
SUPPORTED WALL DETAILS



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



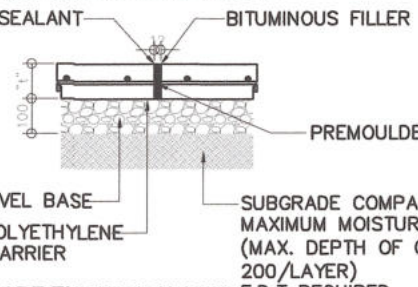
TYP. EXTERIOR WDW. & DOOR OPENING



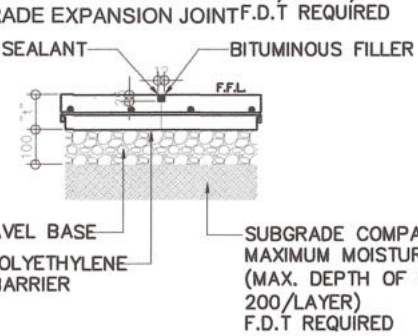
NOTE:
1. THIS REINFORCEMENT IS IN ADDITION TO ANY REINFORCEMENT INDICATED ON PLANS.

TYP. SLAB OPENING DETAIL

SLAB ON GRADE CONSTRUCTION JOINT

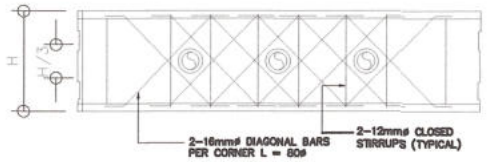


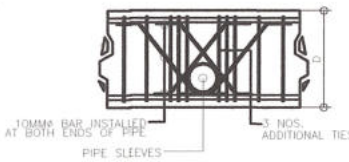
SLAB ON GRADE EXPANSION JOINT



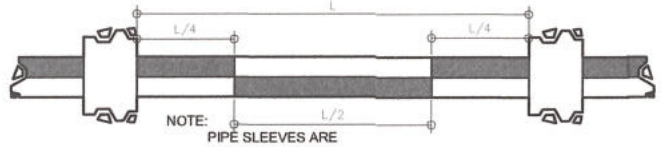
NOTE:
1. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 6MM. AMPLITUDE
2. ALL CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS, OR OTHER FOREIGN MATTERS PRIOR TO PLACING OF ADJACENT CONCRETE.
3. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS FOR THE APPROVAL OF STRUCTURAL ENGINEER BEFORE STARTING CONSTRUCTION.

PIPE SLEEVE DETAIL





PIPE SLEEVES REINFORCEMENT



PIPE SLEEVES LOCATION

NOTE:
1. CENTER TO CENTER SPACING OF PIPE SLEEVES "S" SHALL IN NO CASE BE LESS THAN 3 TIMES THE SLEEVE DIAMETER.
2. PIPE SLEEVES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.
3. PIPE SLEEVES SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN 1/3 THE OVERALL DEPTH OF THE BEAM.
4. PIPE SLEEVES SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE BEAM DEPTH.
5. AVOID LOCATION OF MAXIMUM STRESSES.
6. CONTRACTOR SHALL SUBMIT PIPE SLEEVE LOCATION LAYOUT FOR APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD, PLACE SLEEVE AT LEAST 2H FROM THE FACE OF THE SUPPORT.
7. NO CONCRETE POURING SHALL BE MADE WITHOUT OUR APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

H. CURING NOTES

1. CONCRETE (OTHER THAN HIGH EARLY STRENGTH) SHALL BEKEPT IN A MOIST CONDITION FOR AT LEAST FIRST SEVEN (7) DAYS AFTER PLACEMENT.
2. HIGH EARLY STRENGTH CONCRETE SHALL BE KEPT IN A MOIST CONDITION FOR AT LEAST FIRST THREE (3) DAYS AFTER PLACEMENT.
3. USED OF WET BURLAP, FOG SPRAYING AND CURING COMPOUNDS ARE APPROVED CURING METHODS.

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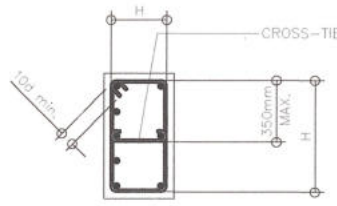
PREPARED BY: **AR.CLIFFORD T. BALDOZANO** ARCHITECT CHECKED BY: **ENGR. REDEN ARGAWANON** ENGINEER	CHECKED & VERIFIED BY: **AR. AIREEN MAE P. ALLEDA** PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	RECOMMENDING APPROVAL: **ENGR. ALYSSA MARIE A. BACOLOD** UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: **DR. VENZON L. LUMPIADA** UNIVERSITY PRESIDENT	PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** MAIN CAMPUS	SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

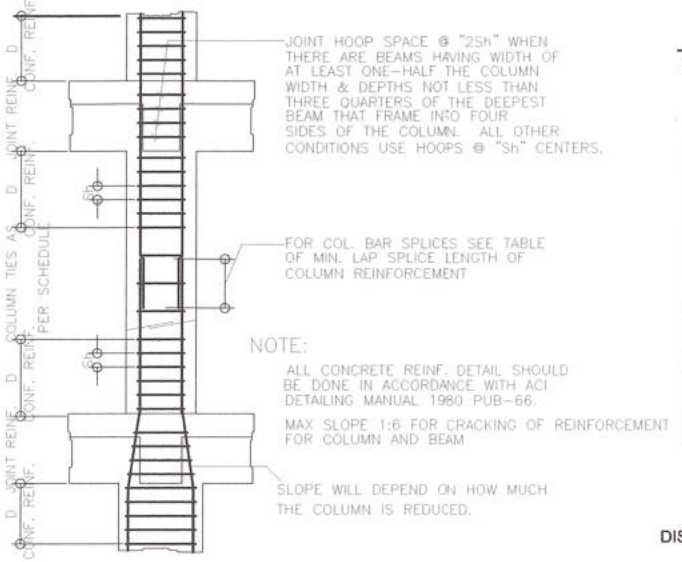
PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEDA
LAST UPDATED	30 Jun 2026 - 12:23pm
DATE PRINTED	30 Jun 2026 - 12:25pm

SHEET NO. ST 2 13

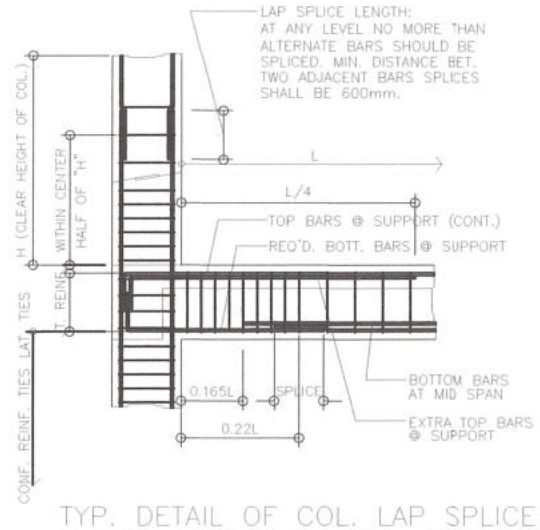
NOTES:

1. YIELD STRESS OF HOOPS = 40 KSI
2. D = USE MAXIMUM COLUMN DIMENSION, 1/6 CLEAR HEIGHT OR 18" (450mm) WHICHEVER IS GREATER.
3. NUMBER OF HOOP TIES SAME AS PER COLUMN TIES SCHEDULE.
4. ALL CONCRETE REINFORCEMENT DETAIL SHOULD BE DONE IN ACCORDANCE WITH ACI DETAILING MANUAL 1980 PUB SP-66



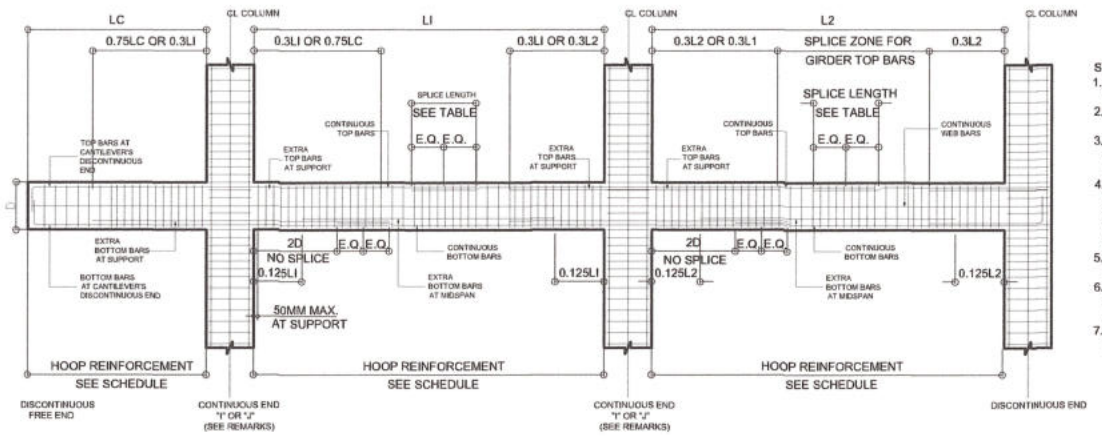


TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



TYP. DETAIL OF COL. LAP SPLICE & EXT. GIRDER TO COL. CONNECT.

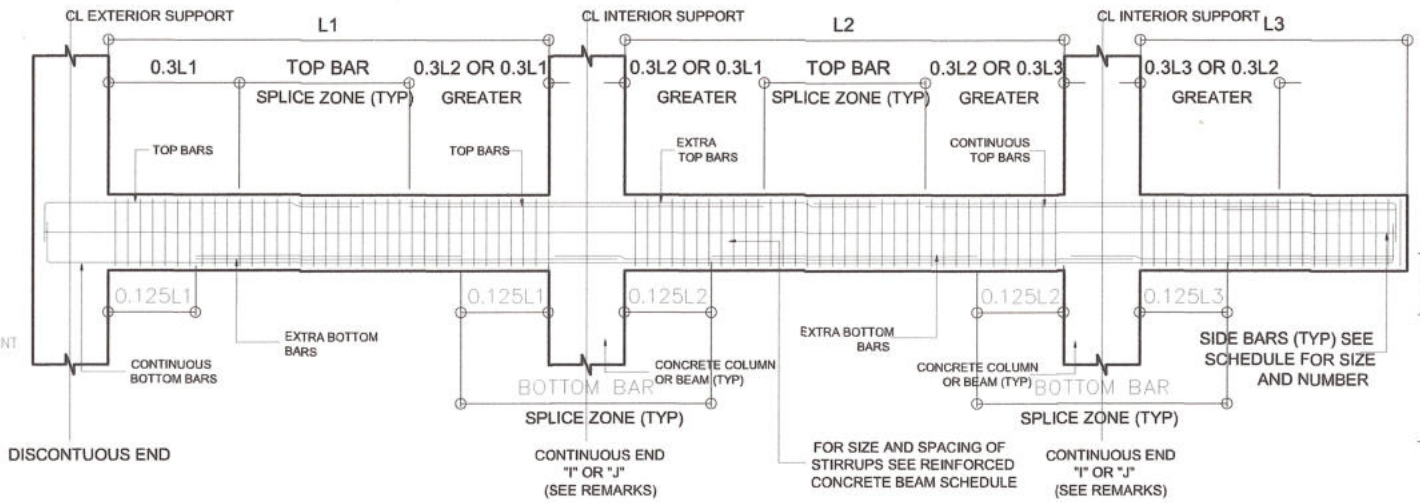
TYPICAL GIRDER DETAILS

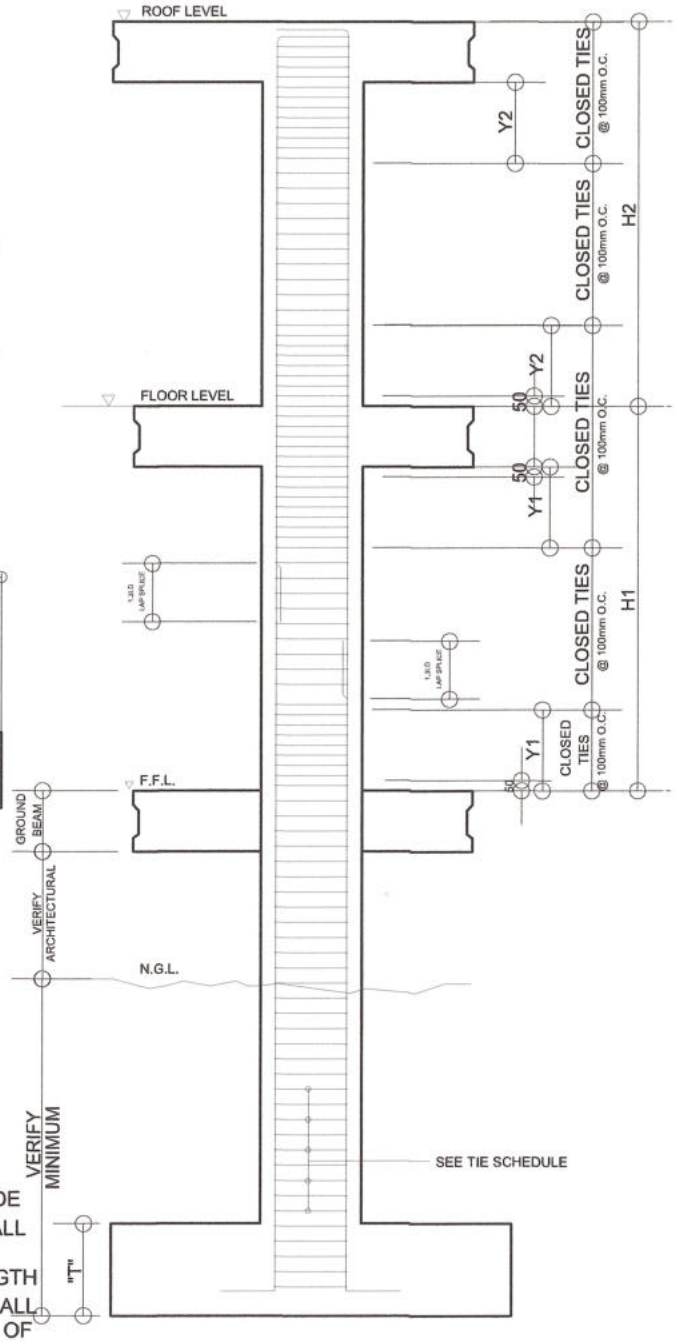


STRUCTURAL NOTES:

1. SEE TABLE OF LAP SPLICE & ANCHORAGE LENGTHS SHOWN ON SHEET.
2. LAP SPLICE SHALL BE LOCATED ONLY WITHIN THE LAP SPLICE ZONE.
3. TOP & BOTTOM BARS MAY BE LAP SPLICED ONLY ON ONE LOCATION FOR EACH STRING OF BEAMS
4. CLOSED HOOPS WITH A 135 BEND SHALL BE SPACED AT 100 O.C. MAXIMUM AT A DISTANCE 2D FROM THE FACE OF THE SUPPORT. FIRST STIRRUP SHALL 5D FROM THE FACE OF THE SUPPORT.
5. SPACING OF STIRRUPS ON LAP SPLICE SHALL BE SPACED @ 100MM O.C. MAXIMUM.
6. AT INTERIOR SUPPORT (CONTINUOUS END) PROVIDE LARGER SIZE AND NUMBER OF TOP AND BOTTOM BARS FROM ADJACENT SPANS.
7. NO SPLICE SHALL BE ALLOWED 2D FROM THE FACE OF THE SUPPORT.

TYPICAL GRAVITY BEAM DETAILS





NOTES:

1. Y = MAX OF FF.
   A. H/6
   B. 450mm
   C. MAX COLUMN DIMENSION
2. SPLICES ARE PERMITTED ONLY WITHIN THE CENTER HALF OF COLUMN HEIGHT (H)
3. STAGGER BAR SPLICES BY 600mm OR MORE
4. PROVIDE TIES @100mm O.C. (MAX.) OVER THE FULL LAP SPLICE LENGTH
5. SPECIAL TIES @ THE BEAM COL. JOINT TO CONFORM TO THE SAME CONFIGURATION OF TIES AS INDICATED IN THE SCHEDULE OF COLUMNS
6. NO OF SPLICES BARS AT ONE LEVEL SHALL NOT EXCEED ONE-THIRD (1/3) OF THE TOTAL NO. OF COLUMN VERTICAL BARS

I. STRIPPING OF FORMS

NOTE:

1. FORMS SHALL RESULT IN FINAL STRUCTURE THAT CONFORMS TO SHAPES, LINES AND DIMENSIONS OF THE MEMBERS AS REQUIRED BY THE DESIGN DRAWINGS AND SPECIFICATIONS.
2. FORMS SHALL BE REMOVED IN SUCH A MANNER AS NOT TO IMPAIR SAFETY AND SERVICEABILITY OF THE STRUCTURE.

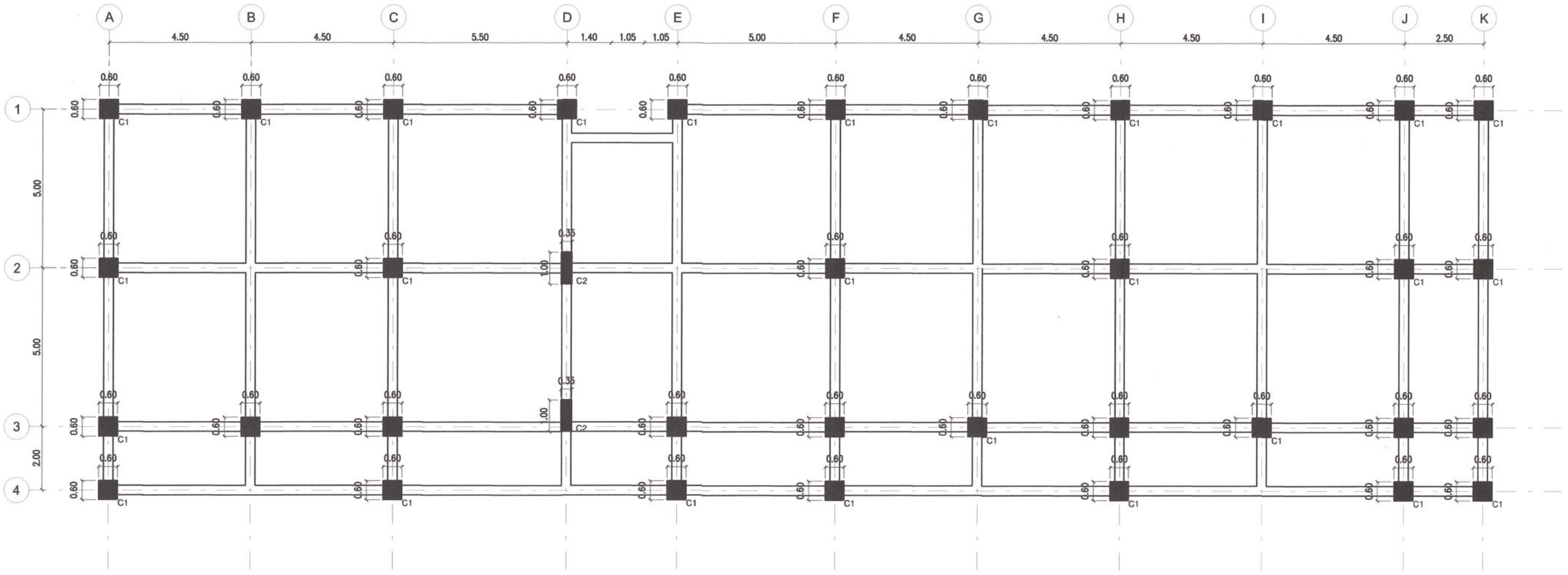
STRUCTURAL ELEMENT	PERIOD
1. BEAM/GIRDER	14 DAYS
2. SUSPENDED SLAB	8 DAYS
3. COLUMN/SHEARWALL	2 DAYS
4. RETAINING WALL	18 HOURS
5. FOUNDATION	24 HOURS

J. REMOVAL OF SHORES AND SHORING

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED UNDER CONSTRUCTION.
2. STRUCTURAL ELEMENT MUST ATTAINED SUFFICIENT STRENGTH OR DEVELOPED DESIGN PROPERTIES REQUIRED TO SUPPORT ALL LOADS, LIMIT DEFLECTIONS AND CRACKING BEFORE REMOVAL OF SHORES.
3. REMOVAL OF SHORES ARE NOT ALLOWED WITHIN THE GIVEN CURING PERIOD WHEN ADDITIONAL LOADS ARE IMPOSED, UNLESS ANAYSIS INDICATES ADEQUATE STRENGTH TO SUPPORT SUCH ADDITIONAL LOADS.
4. INSTALLATION OF RESHORES IS NECESSARY FROM ANY PART OF STRUCTURE UNDER CONSTRUCTION.

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PREPARED BY: **AR.CLIFFORD T. BALDOZANO** ARCHITECT CHECKED BY: **ENGR. REDEN ARGAWANON** ENGINEER	CHECKED & VERIFIED BY: **AR. AIREEN MAE P. ALLEDA** PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	RECOMMENDING APPROVAL: **ENGR. ALYSSA MARIE A. BACOLOD** UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: **DR. VENZON L. LIMPIADA** UNIVERSITY PRESIDENT	PROJECT TITLE: **" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "** MAIN CAMPUS	SHEET CONTENT: **AS SHOWN** SCALE AS SHOWN NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.	PARTICULARS: DESIGNED BY PLANNING & DESIGN UNIT; DRAWN BY C. BALDOZANO; REVISED BY C. BALDOZANO; CHECKED BY AR. A. ALLEDA; LAST UPDATED 30 Jun 2026 - 12:23pm; DATE PRINTED 30 Jun 2026 - 12:25pm	SHEET NO. ST 3 13



1 ST 4 COLUMN PLAN

SCALE 1:125 MTS

COLUMN	
MARK	DIMENSION
C1	0.600 X0.600
C2	1.000 X0.350

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ARCHITECT

CHECKED BY:
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PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
ENGR. ALYSSA MARIE A. BACOLOD
UNIVERSITY ENGINEER
DIRECTOR, PROJECT MANAGEMENT OFFICE

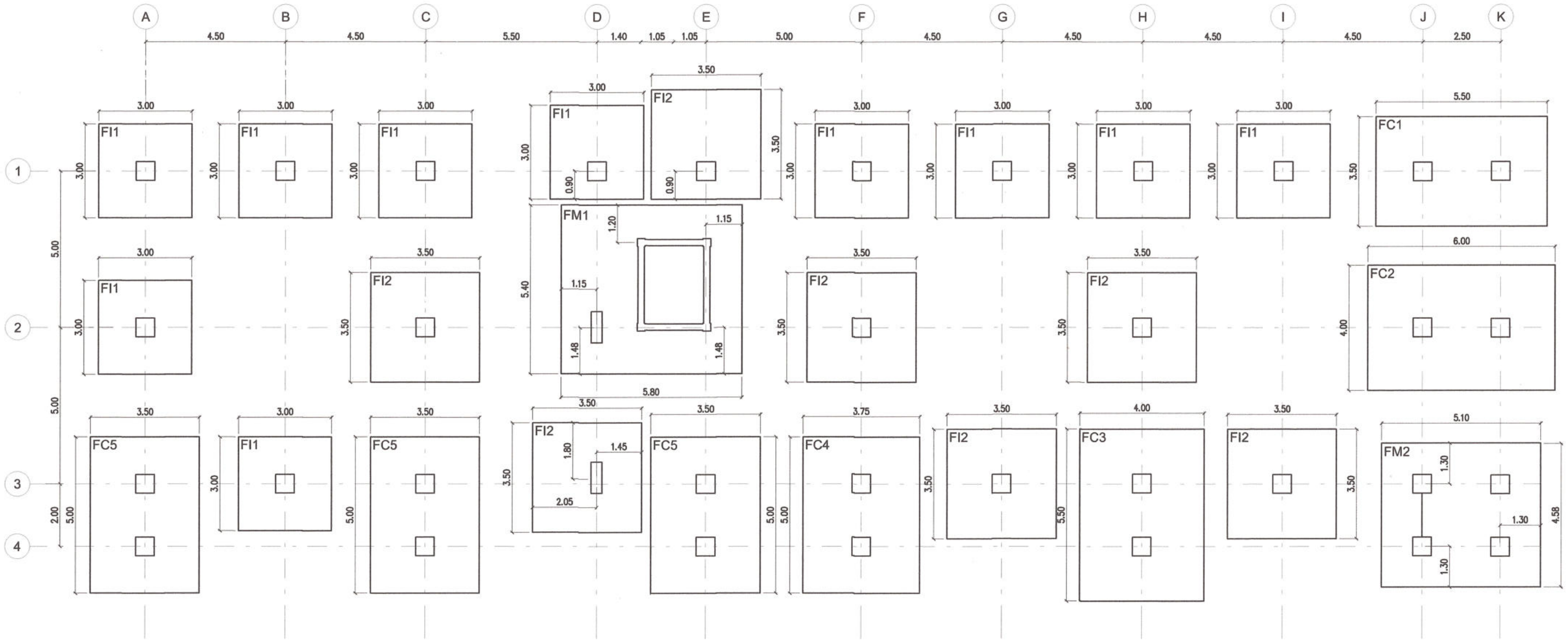
APPROVED BY:
DR. VENZON L. CIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
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MAIN CAMPUS

SHEET CONTENT:
AS SHOWN
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
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REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 12:23pm
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SHEET NO.
ST 4 13



1 FOUNDATION PLAN

ST 5 SCALE 1:125 MTS

FOUNDATION (f'c=20.7MPa:fy=276MPa)					
ISOLATED		COMBINED		MAT	
MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION
FI1	3.000 X 3.000 X 0.400	FC1	3.500 X 5.500 X 0.500	FM1	5.800 X 5.400 X 0.500
FI2	3.500 X 3.500 X 0.400	FC2	4.000 X 6.000 X 0.500	FM2	5.100 X 4.600 X 0.500
		FC3	4.000 X 5.500 X 0.500		
		FC4	3.750 X 5.000 X 0.500		
		FC5	3.500 X 5.000 X 0.500		

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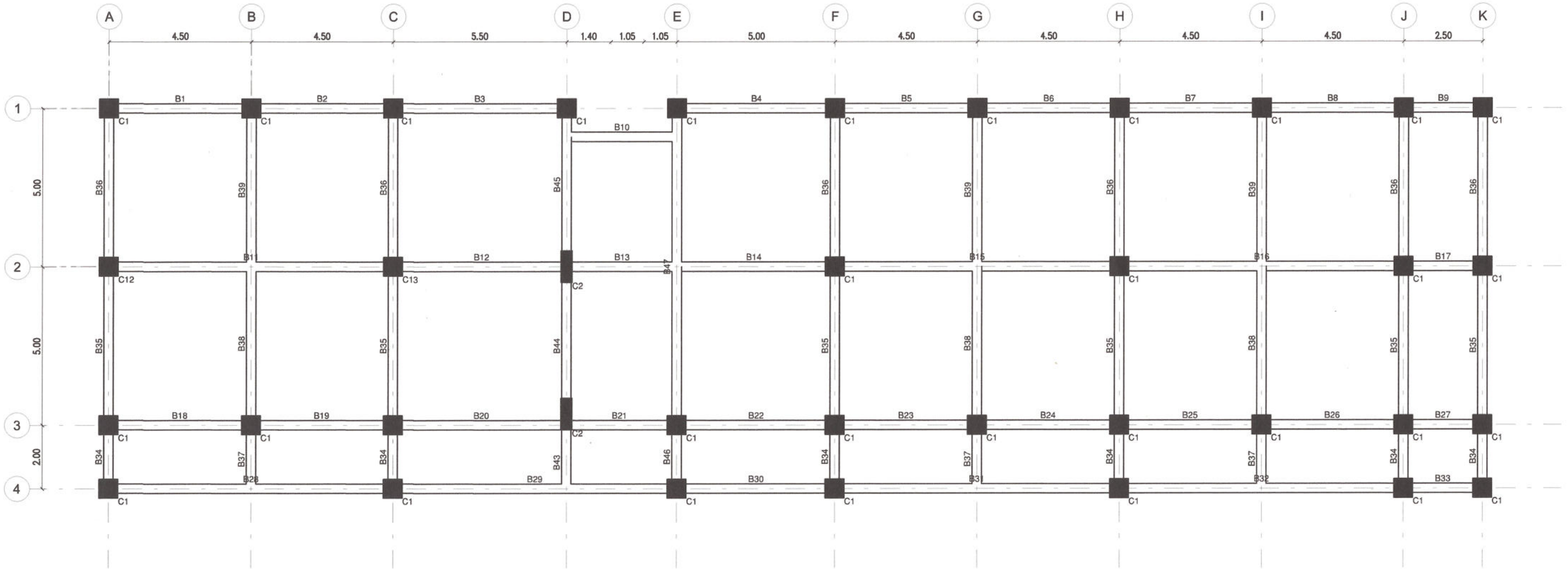
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SHEET NO.
ST 5 | 13



BEAM (GF; f'c=20.7MPa:fy=276MPa)														
MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	
B1	0.300 X 0.600	B8	0.300 X 0.600	B15	0.300 X 0.600	B22	0.300 X 0.600	B29	0.300 X 0.600	B36	0.300 X 0.600	B43	0.300 X 0.600	
B2	0.300 X 0.600	B9	0.300 X 0.600	B16	0.300 X 0.600	B23	0.300 X 0.600	B30	0.300 X 0.600	B37	0.300 X 0.600	B44	0.300 X 0.600	
B3	0.300 X 0.600	B10	0.300 X 0.600	B17	0.300 X 0.600	B24	0.300 X 0.600	B31	0.300 X 0.600	B38	0.300 X 0.600	B45	0.300 X 0.600	
B4	0.300 X 0.600	B11	0.300 X 0.600	B18	0.350 X 0.600	B25	0.300 X 0.600	B32	0.300 X 0.600	B39	0.300 X 0.600	B46	0.300 X 0.600	
B5	0.300 X 0.600	B12	0.300 X 0.600	B19	0.300 X 0.600	B26	0.300 X 0.600	B33	0.300 X 0.600	B40	0.300 X 0.600	B47	0.300 X 0.600	
B6	0.300 X 0.600	B13	0.300 X 0.600	B20	0.300 X 0.600	B27	0.300 X 0.600	B34	0.300 X 0.600	B41	0.300 X 0.600			
B7	0.300 X 0.600	B14	0.300 X 0.600	B21	0.300 X 0.600	B28	0.300 X 0.600	B35	0.300 X 0.600	B42	0.300 X 0.600			

1 / ST 6 **GROUND FLOOR FRAMING PLAN**

SCALE 1:125 MTS

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CHECKED & VERIFIED BY:
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PROJECT DEVELOPMENT OFFICER II
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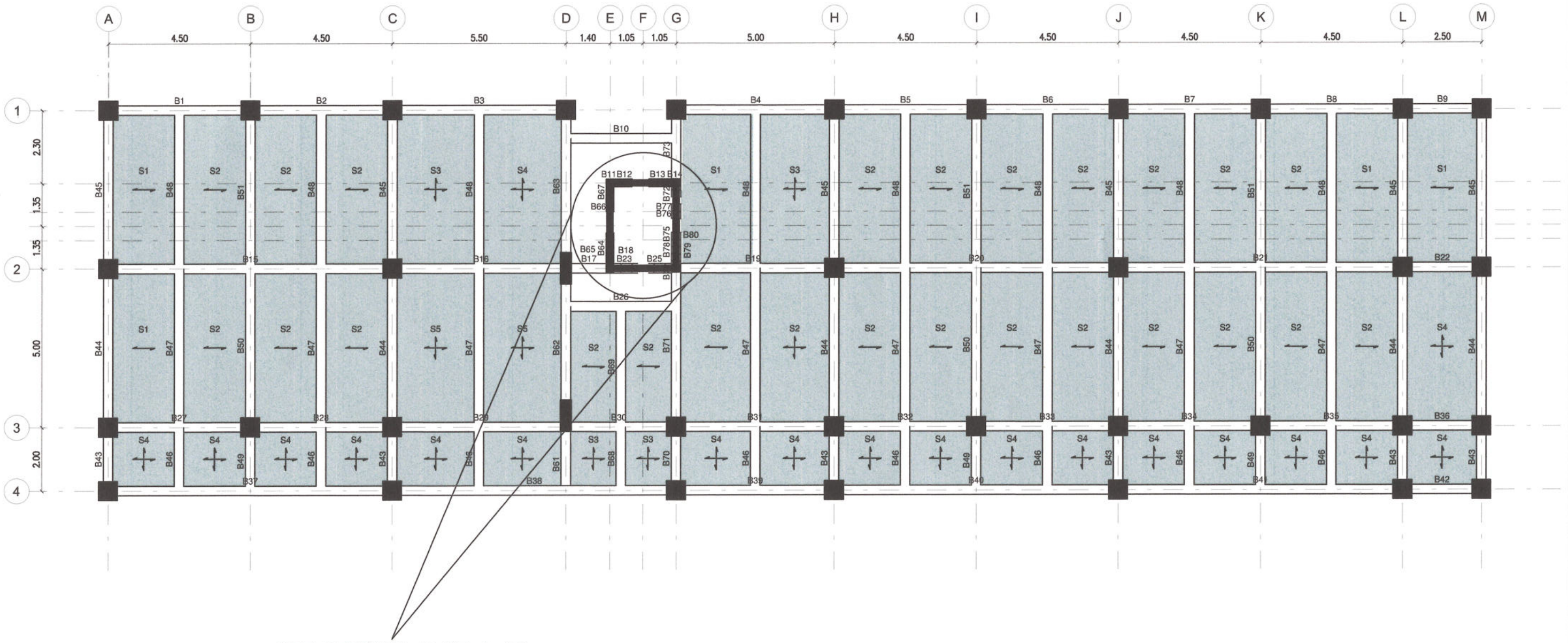
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PARTICULARS
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REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 4:06pm
DATE PRINTED: 30 Jun 2026 - 4:07pm

SHEET NO.
ST 6 | 13



SEE DETAILS @ ST-1-10

BEAM (SF; f'c=20.7MPa:fy=276MPa)							
MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION
B1	0.300 X 0.600	B11	0.250 X 0.450	B21	0.300 X 0.600	B31	0.300 X 0.600
B2	0.300 X 0.600	B12	0.250 X 0.450	B22	0.300 X 0.600	B32	0.300 X 0.600
B3	0.300 X 0.600	B13	0.250 X 0.450	B23	0.300 X 0.600	B33	0.300 X 0.600
B4	0.300 X 0.600	B14	0.250 X 0.450	B24	0.300 X 0.600	B34	0.300 X 0.600
B5	0.300 X 0.600	B15	0.300 X 0.600	B25	0.300 X 0.600	B35	0.300 X 0.600
B6	0.300 X 0.600	B16	0.300 X 0.600	B26	0.300 X 0.400	B36	0.300 X 0.600
B7	0.300 X 0.600	B17	0.300 X 0.600	B27	0.300 X 0.600	B37	0.300 X 0.600
B8	0.300 X 0.600	B18	0.300 X 0.600	B28	0.300 X 0.600	B38	0.300 X 0.600
B9	0.300 X 0.600	B19	0.300 X 0.600	B29	0.300 X 0.600	B39	0.300 X 0.600
B10	0.300 X 0.600	B20	0.300 X 0.600	B30	0.300 X 0.600	B40	0.300 X 0.600

BEAM (SF; f'c=20.7MPa:fy=276MPa)							
MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION	MARK	DIMENSION
B41	0.300 X 0.600	B51	0.300 X 0.600	B70	0.300 X 0.600	B80	0.300 X 0.600
B42	0.300 X 0.600	B61	0.300 X 0.600	B71	0.300 X 0.600		
B43	0.300 X 0.600	B62	0.300 X 0.600	B72	0.300 X 0.600		
B44	0.300 X 0.600	B63	0.300 X 0.600	B73	0.300 X 0.600		
B45	0.300 X 0.600	B64	0.250 X 0.450	B74	0.300 X 0.600		
B46	0.300 X 0.400	B65	0.250 X 0.450	B75	0.300 X 0.600		
B47	0.300 X 0.400	B66	0.250 X 0.450	B76	0.300 X 0.600		
B48	0.300 X 0.400	B67	0.250 X 0.450	B77	0.300 X 0.600		
B49	0.300 X 0.600	B68	0.300 X 0.400	B78	0.300 X 0.600		
B50	0.300 X 0.600	B69	0.300 X 0.400	B79	0.300 X 0.600		

1 SECOND FLOOR FRAMING PLAN

ST 7 SCALE 1:125 MTS

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

PREPARED BY:
AR.CLIFFORD T. BALDOZANO
ARCHITECT

CHECKED BY:
ENGR. REDEN ARGAWANON
ENGINEER

CHECKED & VERIFIED BY:
AR. AIREEN MAE P. ALLEDA
PROJECT DEVELOPMENT OFFICER II
HEAD, PLANNING & DESIGN UNIT
PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
ENGR. ALYSSA MARIE A. BACOLOD
UNIVERSITY ENGINEER
DIRECTOR, PROJECT MANAGEMENT OFFICE

APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT:
AS SHOWN
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 4:06pm
DATE PRINTED: 30 Jun 2026 - 4:07pm

SHEET NO.
ST 7 13

BEAM SCHEDULE (C21 : Fy276) (NGL)

MARK	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B1	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 170	2L-10mm @ 120	1-20mm EF	-	-
B2	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B3	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B4	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 185	2L-10mm @ 120	1-20mm EF	-	-
B5	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 170	2L-10mm @ 120	1-20mm EF	-	-
B6	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B7	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 170	2L-10mm @ 120	1-20mm EF	-	-
B8	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B9	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 110	2L-10mm @ 110	2L-10mm @ 110	1-20mm EF	-	-
B10	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 190	2L-10mm @ 190	2L-10mm @ 190	1-20mm EF	-	-
B11	250	450	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm			-	1-20mm EF	-	-
B12	250	450	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 95	2L-10mm @ 190	2L-10mm @ 95	1-20mm EF	-	-
B13	250	450	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 95	2L-10mm @ 190	2L-10mm @ 95	1-20mm EF	-	-
B14	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 95	2L-10mm @ 190	2L-10mm @ 95	1-20mm EF	-	-
B15	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 110	2L-10mm @ 110	2L-10mm @ 120	1-20mm EF	-	-
B16	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 110	2L-10mm @ 110	2L-10mm @ 120	1-20mm EF	-	-
B17	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 110	2L-10mm @ 110	2L-10mm @ 120	1-20mm EF	-	-
B18	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B19	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B20	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 135	2L-10mm @ 115	1-20mm EF	-	-
B21	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 115	2L-10mm @ 135	2L-10mm @ 115	1-20mm EF	-	-
B22	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B23	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B24	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B25	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B26	300	400	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B27	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 130	2L-10mm @ 120	1-20mm EF	-	-
B28	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 130	2L-10mm @ 120	1-20mm EF	-	-
B29	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B30	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B31	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B32	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-

BEAM SCHEDULE (C21 : Fy276) (NGL)

MARK	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B33	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B34	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B35	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B36	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B37	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B38	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B39	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B40	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B41	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B42	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 110	2L-10mm @ 190	2L-10mm @ 110	1-20mm EF	-	-
B43	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 80	2L-10mm @ 190	2L-10mm @ 80	1-20mm EF	-	-
B44	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B45	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 190	2L-10mm @ 120	1-20mm EF	-	-
B46	300	400	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B47	300	400	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B48	300	400	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B49	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm 2-20mm	2L-10mm @ 190	2L-10mm @ 190	2L-10mm @ 190	1-20mm EF	-	-
B50	300	600	2-20mm	2-20mm	2-20mm	3-20mm 2-20mm	3-20mm	3-20mm	2L-10mm @ 190	2L-10mm @ 190	2L-10mm @ 190	1-20mm EF	-	-
B51	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm 2-20mm	2L-10mm @ 190	2L-10mm @ 190	2L-10mm @ 190	1-20mm EF	-	-
B61	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 190	2L-10mm @ 190	2L-10mm @ 190	1-20mm EF	-	-
B62	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 135	2L-10mm @ 120	1-20mm EF	-	-
B63	300	600	2-20mm	2-20mm	2-20mm	3-20mm	3-20mm	3-20mm	2L-10mm @ 120	2L-10mm @ 135	2L-10mm @ 120	1-20mm EF	-	-
B64	250	450	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 135	2L-10mm @ 120	1-20mm EF	-	-
B65	250	450	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 95	2L-10mm @ 110	2L-10mm @ 95	1-20mm EF	-	-
B66	250	450	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 95	2L-10mm @ 110	2L-10mm @ 95	1-20mm EF	-	-
B67	250	450	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 95	2L-10mm @ 110	2L-10mm @ 95	1-20mm EF	-	-
B68	300	400	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B69	300	400	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 140	2L-10mm @ 140	2L-10mm @ 140	1-20mm EF	-	-
B70	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 80	2L-10mm @ 190	2L-10mm @ 80	1-20mm EF	-	-
B71	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B72	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B73	300	600	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-

1 BEAM SCHEDULE
ST 8
NOT SCALED

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO ARCHITECT	AR. AIREEN MAE P. ALLEDA PROJECT DEVELOPMENT OFFICER II HEAD, PLANNING & DESIGN UNIT PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD UNIVERSITY ENGINEER DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA UNIVERSITY PRESIDENT
CHECKED BY: ENGR. HEDEN ARGAWANON ENGINEER			

PROJECT TITLE: " CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT: AS SHOWN
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 12:23pm
DATE PRINTED: 30 Jun 2026 - 12:28pm

SHEET NO.: ST 8 | 13

BEAM SCHEDULE (C21 : Fy276) (GROUND FLOOR LEVEL)

MARK	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B74	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B75	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B76	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B77	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B78	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B79	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-
B80	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-10mm @ 120	2L-10mm @ 175	2L-10mm @ 120	1-20mm EF	-	-

SCHEDULE (C21 : Fy276) (SECOND FLOOR LEVEL)

	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B1	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 105	2L-#10 @ 110	2L-#10 @ 115	-	-	-
B2	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 105	2L-#10 @ 110	2L-#10 @ 115	-	-	-
B3	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 65	2L-#10 @ 120	-	-	-
B4	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 115	2L-#10 @ 120	2L-#10 @ 120	-	-	-
B5	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 105	2L-#10 @ 110	2L-#10 @ 115		-	-
B6	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 105	2L-#10 @ 110	2L-#10 @ 115		-	-
B7	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 120	2L-#10 @ 115		-	-
B8	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 120	2L-#10 @ 115	-	-	-
B9	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B10	300	600	2-20mm	3-20mm 2-20mm	2-20mm	3-20mm 2-20mm	3-20mm	3-20mm 2-20mm	2L-#10 @ 190	2L-#10 @ 190	2L-#10 @ 190	-	-	-
B11	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B12	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 170	2L-#10 @ 120	-	-	-
B13	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 190	2L-#10 @ 190	2L-#10 @ 190	-	-	-
B14	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 190	2L-#10 @ 190	2L-#10 @ 190	-	-	-
B15	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B16	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B17	350	600	3-20mm 3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 190	2L-#10 @ 190	2L-#10 @ 190	-	-	-
B18	350	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 100	2L-#10 @ 105	2L-#10 @ 110	-	-	-
B19	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 105	2L-#10 @ 110	2L-#10 @ 115	-	-	-
B20	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B21	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm		2L-#10 @ 150	2L-#10 @ 120	-	-	-
B22	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B23	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 185	2L-#10 @ 120	-	-	-
B24	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B25	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B26	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 90	-	-	-
B27	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 90	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B28	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B29	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B30	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 115	2L-#10 @ 120	2L-#10 @ 120	-	-	-
B31	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B32	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	-	-	-
B33	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-
B34	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-
B35	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-
B36	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-
B37	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 135	2L-#10 @ 135	2L-#10 @ 135	2-#16EF	-	-
B38	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 190	2L-#10 @ 190	2L-#10 @ 190	2-#16EF	-	-
B39	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 190	2L-#10 @ 190	2L-#10 @ 190	1-#16EF	-	-
B43	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 190	2-#16EF	-	-
B44	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	1-#16EF	-	-
B45	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-
B46	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-
B47	300	600	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	3-20mm 2-20mm	2L-#10 @ 120	2L-#10 @ 190	2L-#10 @ 120	2-#16EF	-	-

SLAB SCHEDULE (C21 : FY276) (LEVEL : 4.65 M)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT				DISTRIBUTION	REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT			
		FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S1	125	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	12mm @ 200C/C	---	12mm @ 200C/C	12mm @ 200C/C	---
S2	125	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	---	---	12mm @ 200C/C	12mm @ 200C/C	---
S3	125	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	12mm @ 200C/C	12mm @ 200C/C	---
S4	125	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	12mm @ 200C/C	12mm @ 200C/C	12mm @ 200C/C	12mm @ 200C/C	---
S5	125	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	---	12mm @ 200C/C	---

1 ST 9 **BEAM & SLAB SCHEDULE**
NOT SCALED

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RECOMMENDING APPROVAL:
ENGR. ALYSSA MARIE A. BACOLOD
UNIVERSITY ENGINEER
DIRECTOR, PROJECT MANAGEMENT OFFICE

APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

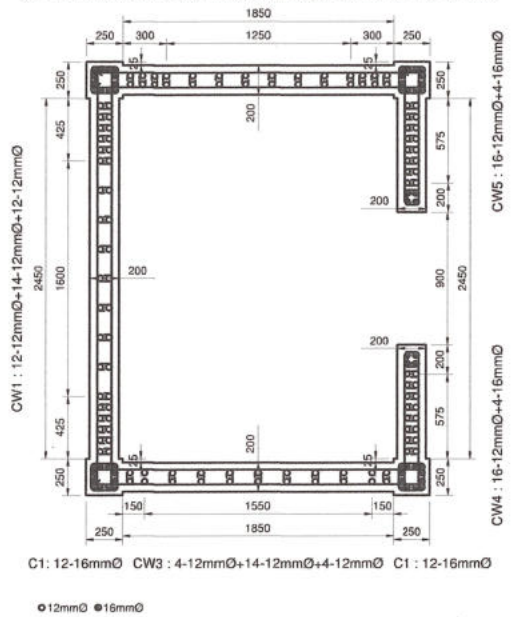
SHEET CONTENT:
AS SHOWN
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 12:23pm
DATE PRINTED: 30 Jun 2026 - 12:28pm

SHEET NO.
ST 9 13

2.65 M
TO
2.79 M

C21 : Fy276 , COVER = 50mm



CW5

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW4

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW3

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW2

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW1

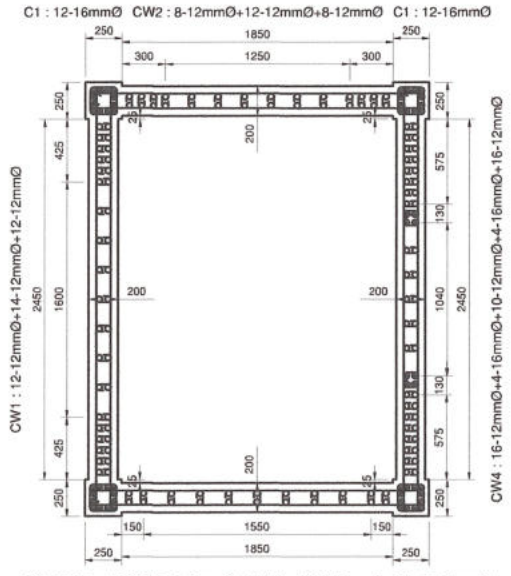
MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

C1
CONFINING ZONE = FULL HEIGHT

Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	-
10mmØ @ 100mm	---	---	-

2.65 M
TO
2.79 M

C21 : Fy276 , COVER = 50mm



CW4

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW3

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW2

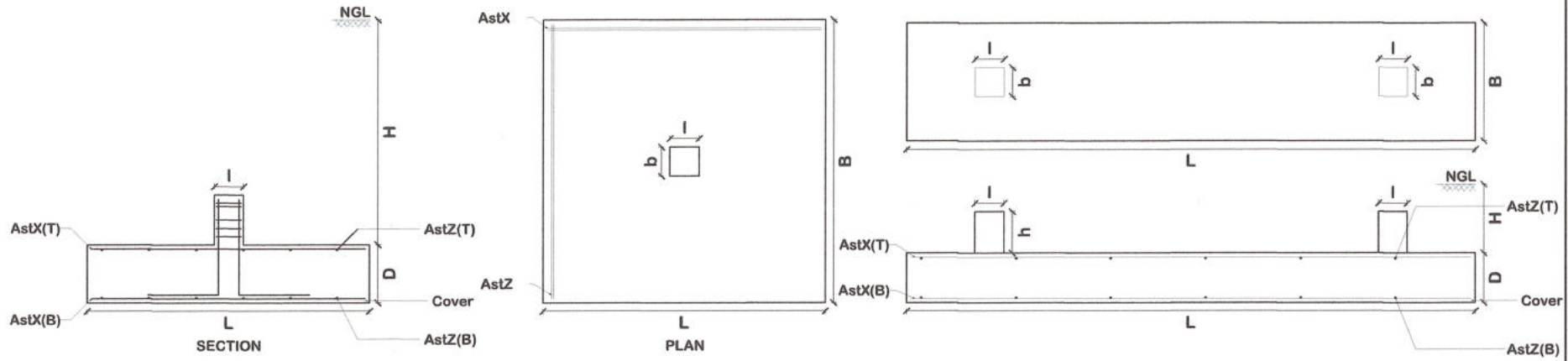
MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

CW1

MAIN LINKS	OTHER LINKS
10mmØ @ 200	10mmØ @ 200

C1
CONFINING ZONE = FULL HEIGHT

Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	-
10mmØ @ 100mm	---	---	-



ISOLATED FOOTING DETAILS

COMBINED FOOTING DETAILS

16-#20			18-#20		
C21 : Fy414 (M) : Fy276 (S) , COVER = 50mm CONFINING ZONE = 600 MM			C21 : Fy414 (M) : Fy276 (S) , COVER = 50mm CONFINING ZONE = 1000 MM		
Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS
#10 @ 100	#10 @ 100	#10 @ 300	#10 @ 75	#10 @ 75	#10 @ 175
600 600 ●#20			350 1000 ●#20		
16-#20			18-#20		
C21 : Fy414 (M) : Fy276 (S) , COVER = 50mm CONFINING ZONE = 675 MM			C21 : Fy414 (M) : Fy276 (S) , COVER = 50mm CONFINING ZONE = 1000 MM		
Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS	Z1 MAIN LINK	Z1 OTHERS	Z2 LINKS
#10 @ 100	#10 @ 100	#10 @ 300	#10 @ 75	#10 @ 75	#10 @ 175
600 600 ●#20			350 1000 ●#20		
16-#20			18-#20		
C1			C2		

1 SHEAR WALL DETAILS
ST 10 SCALE 1:40 MTS

2 COLUMN DETAILS
ST 10 NOT SCALED

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RECOMMENDING APPROVAL:
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UNIVERSITY ENGINEER
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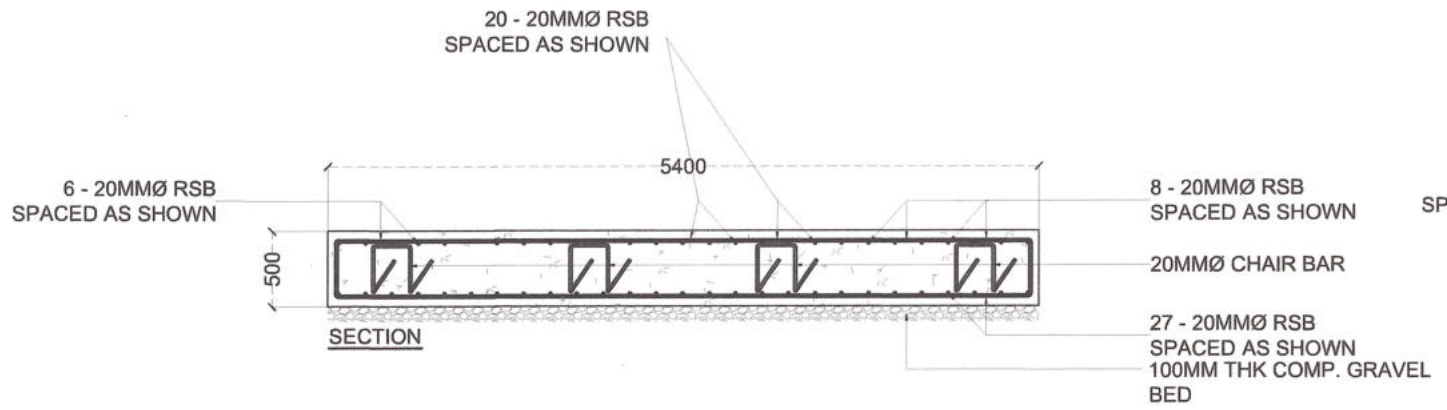
APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

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MAIN CAMPUS

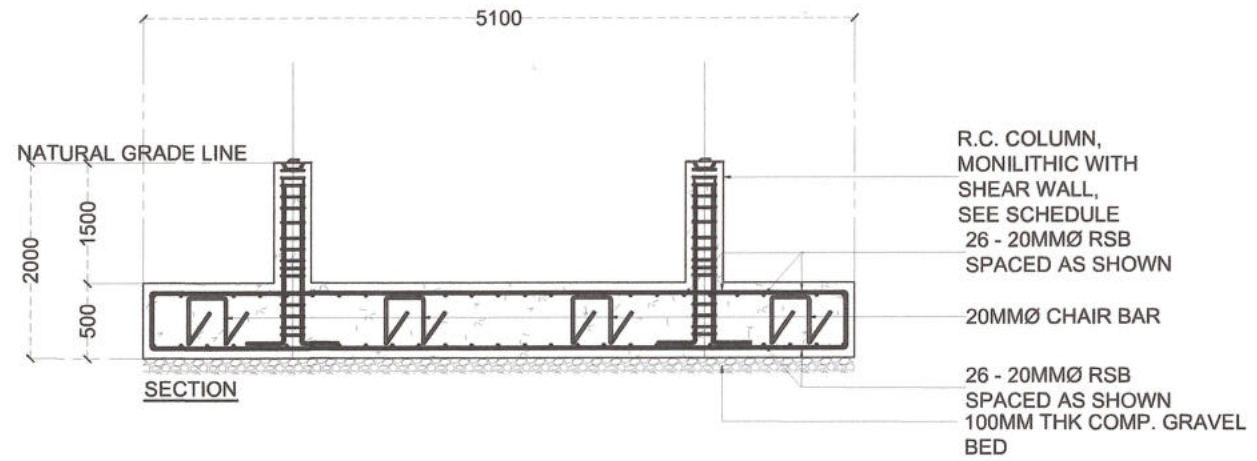
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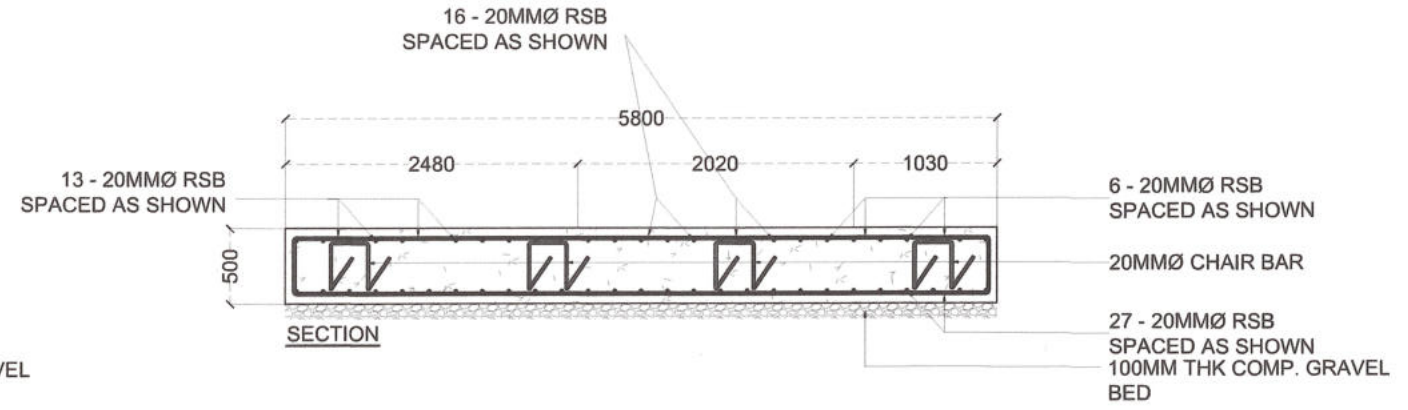
PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
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LAST UPDATED: 30 Jun 2026 - 3:53pm
DATE PRINTED: 30 Jun 2026 - 4:04pm

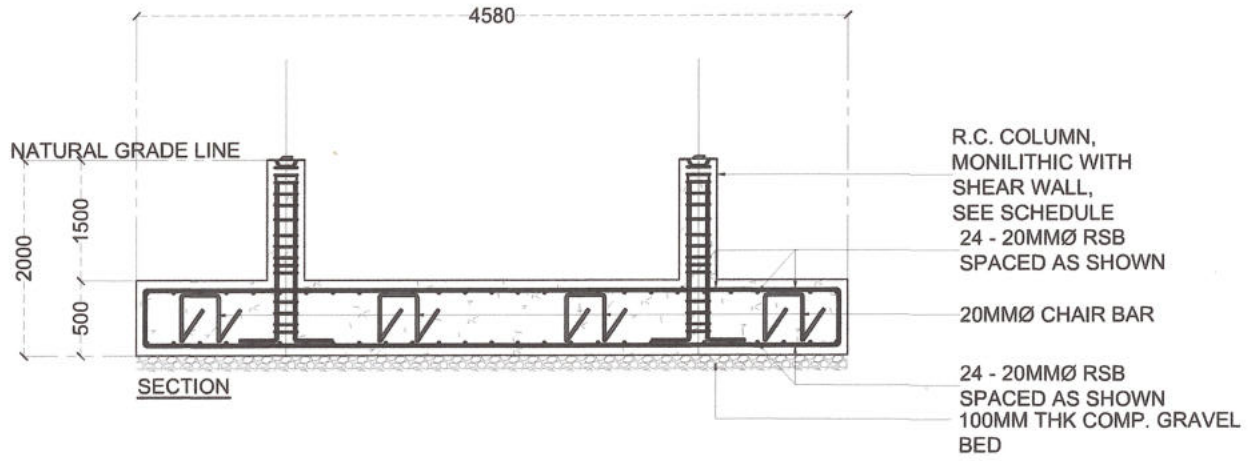
SHEET NO.
ST 10 | 13



MAT FOUNDATION 1







MAT FOUNDATION 2

FOUNDATION SCHEDULE

MARK	COLUMN		FOUNDATION				COVER (m)	REINFORCEMENT			
	l (m)	b (m)	L (m)	B (m)	D (m)	H (m)		AstX(T)	AstZ(T)	AstX(B)	AstZ(B)
FI1	0.600	0.600	3.000	3.000	0.400	1.500	0.075	-	-	20mm @ 200mm	20mm @ 200mm
FI2	1.000	0.350	3.500	3.500	0.400	1.500	0.075	-	-	20mm @ 200mm	20mm @ 200mm
FC1	0.600	0.600	5.500	3.500	0.500	1.500	0.075	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm
	0.600	0.600									
FC2	0.600	0.600	6.000	4.000	0.500	1.500	0.075	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm
	0.600	0.600									
FC3	0.600	0.600	5.500	4.000	0.500	1.500	0.075	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm
	0.600	0.600									
FC4	0.600	0.600	5.000	3.750	0.500	1.500	0.075	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm
	0.600	0.600									
FC4	0.600	0.600	5.000	3.500	0.500	1.500	0.075	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm	20mm @ 200mm
	0.600	0.600									

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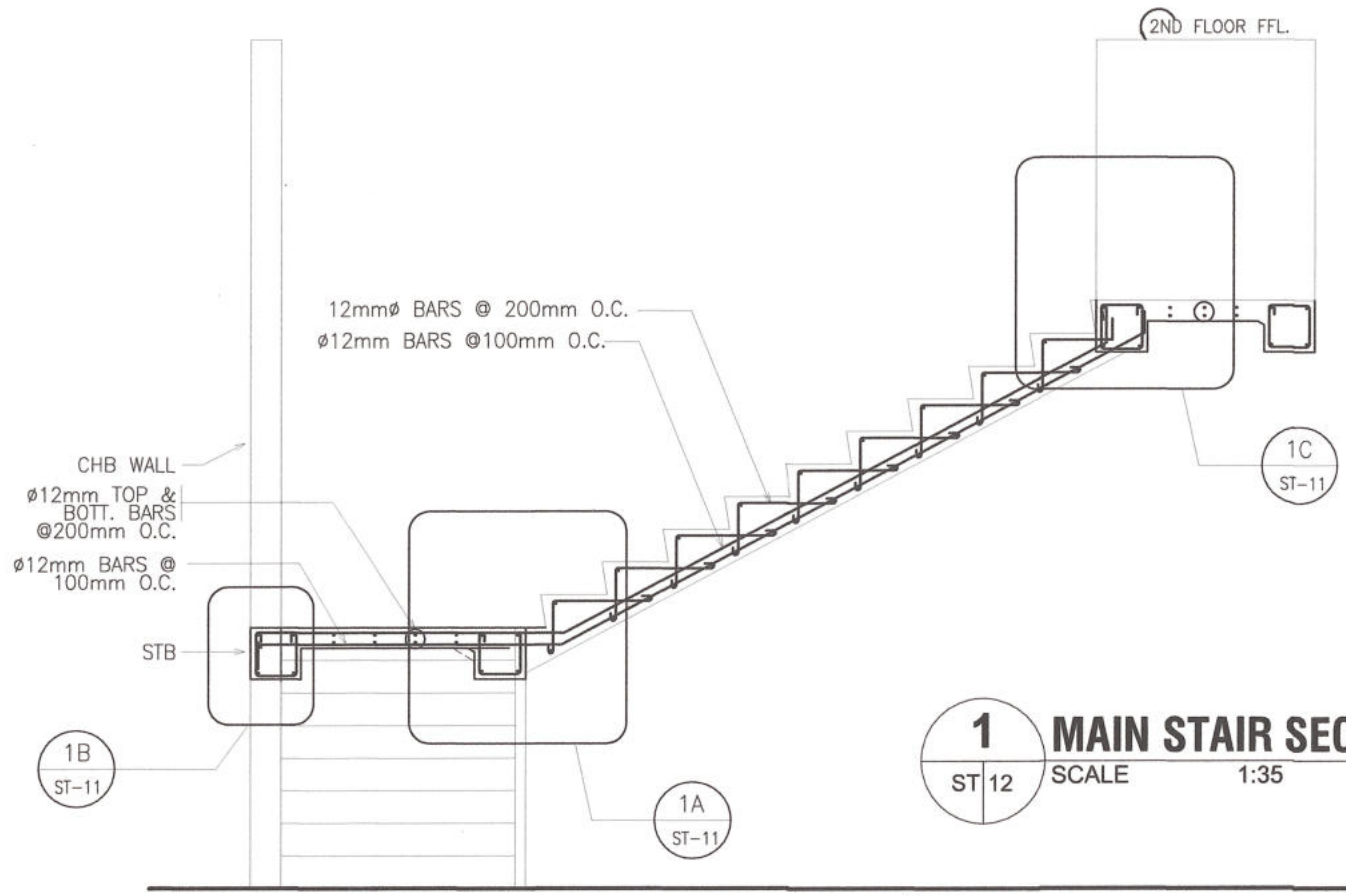
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UNIVERSITY PRESIDENT

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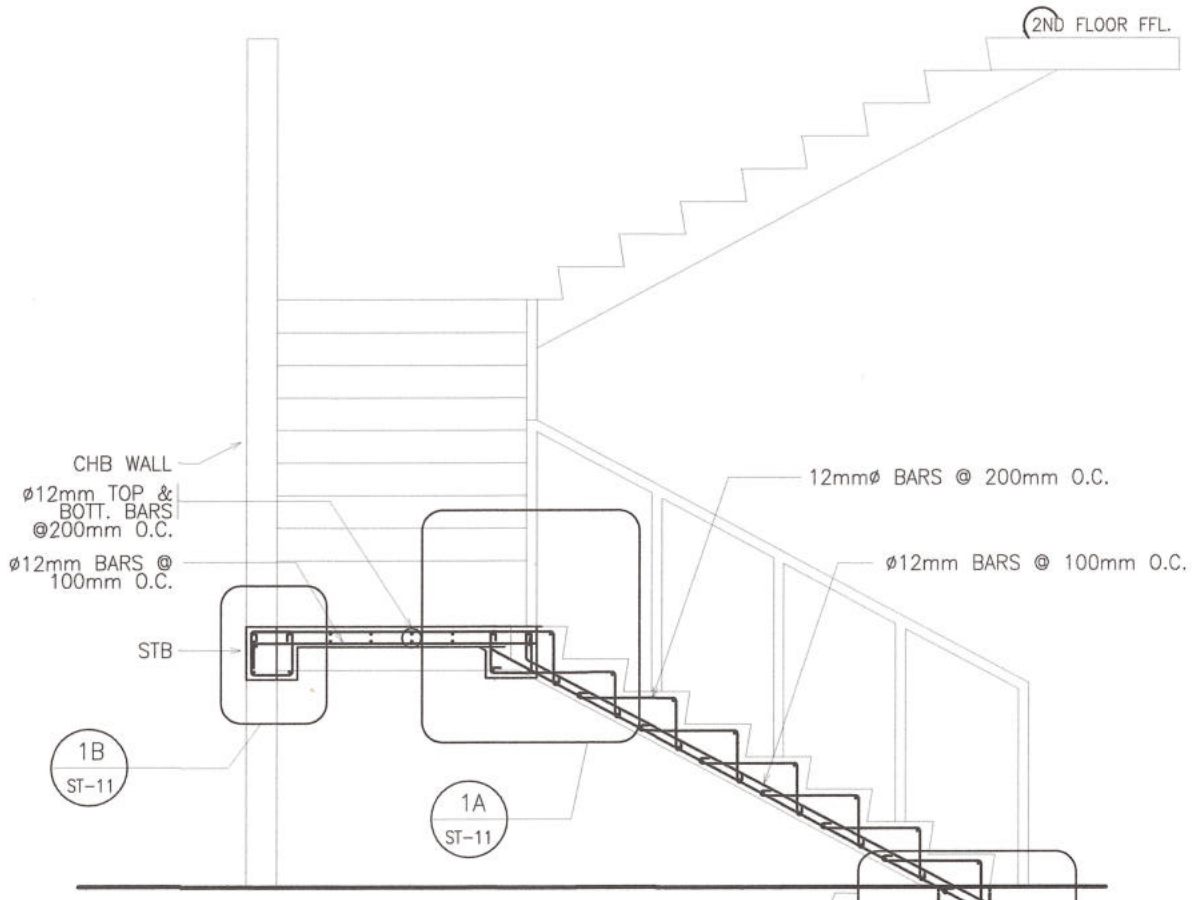
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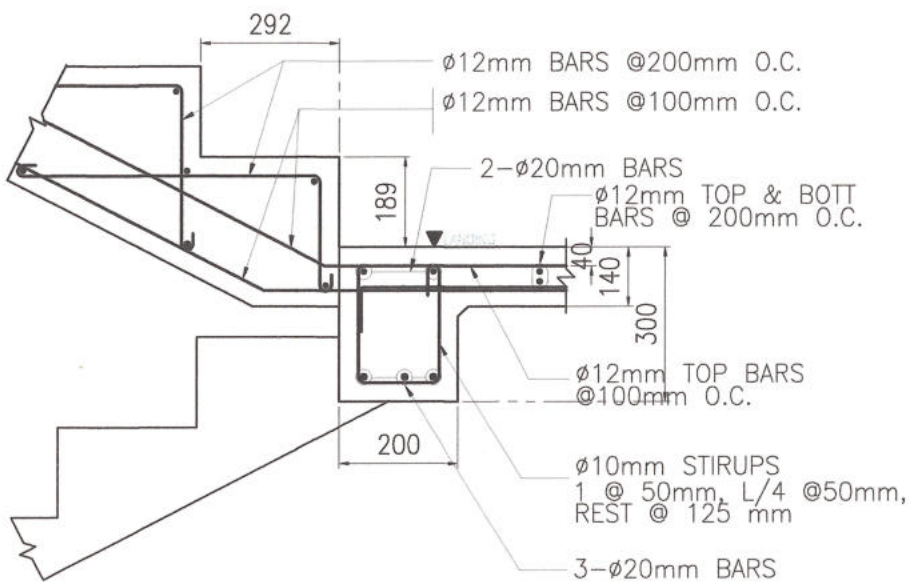
PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 30 Jun 2026 - 12:29pm
DATE PRINTED: 30 Jun 2026 - 12:29pm

SHEET NO.
ST 11 | 13

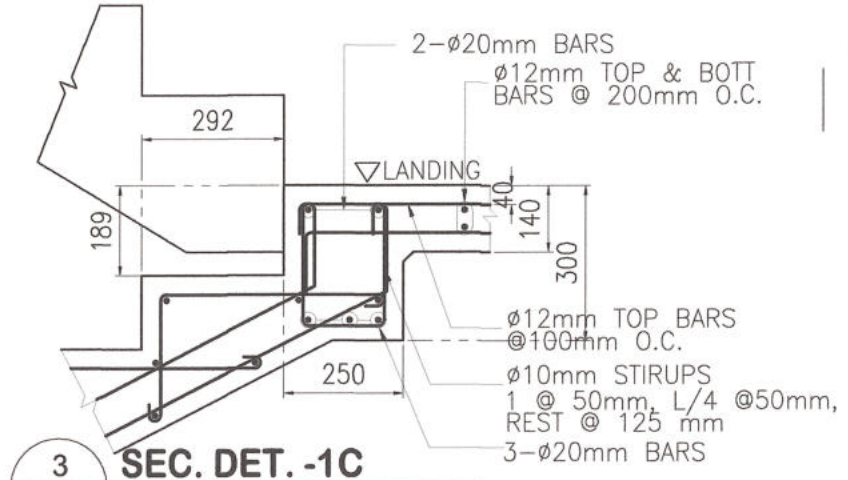


1 MAIN STAIR SECTION
ST 12 SCALE 1:35 MTS

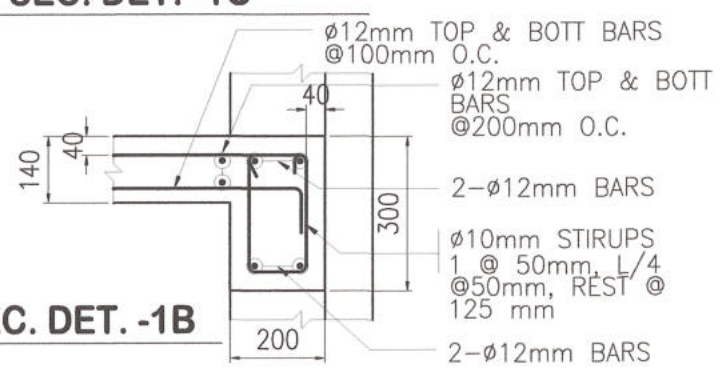




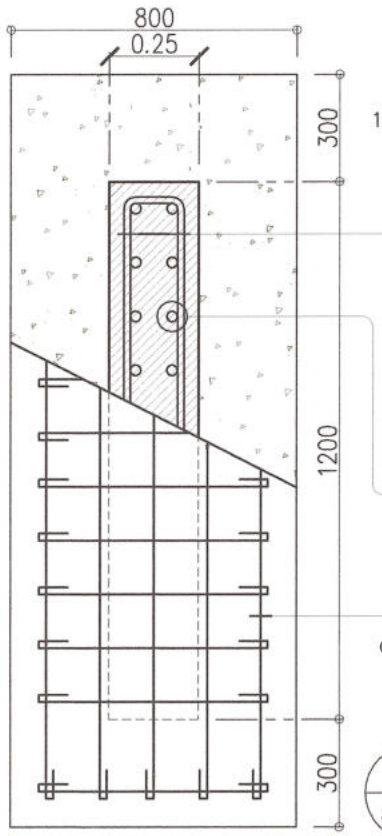
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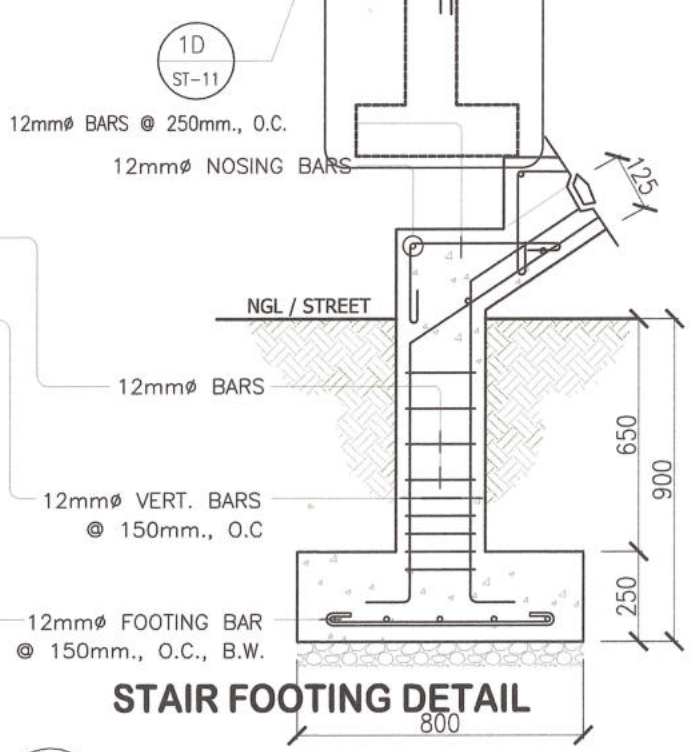
3 SEC. DET. -1C
ST 11



4 SEC. DET. -1B
ST 12



5 STAIR DET-1D
ST 12



STAIR FOOTING DETAIL

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PUERTO PRINCESA CITY
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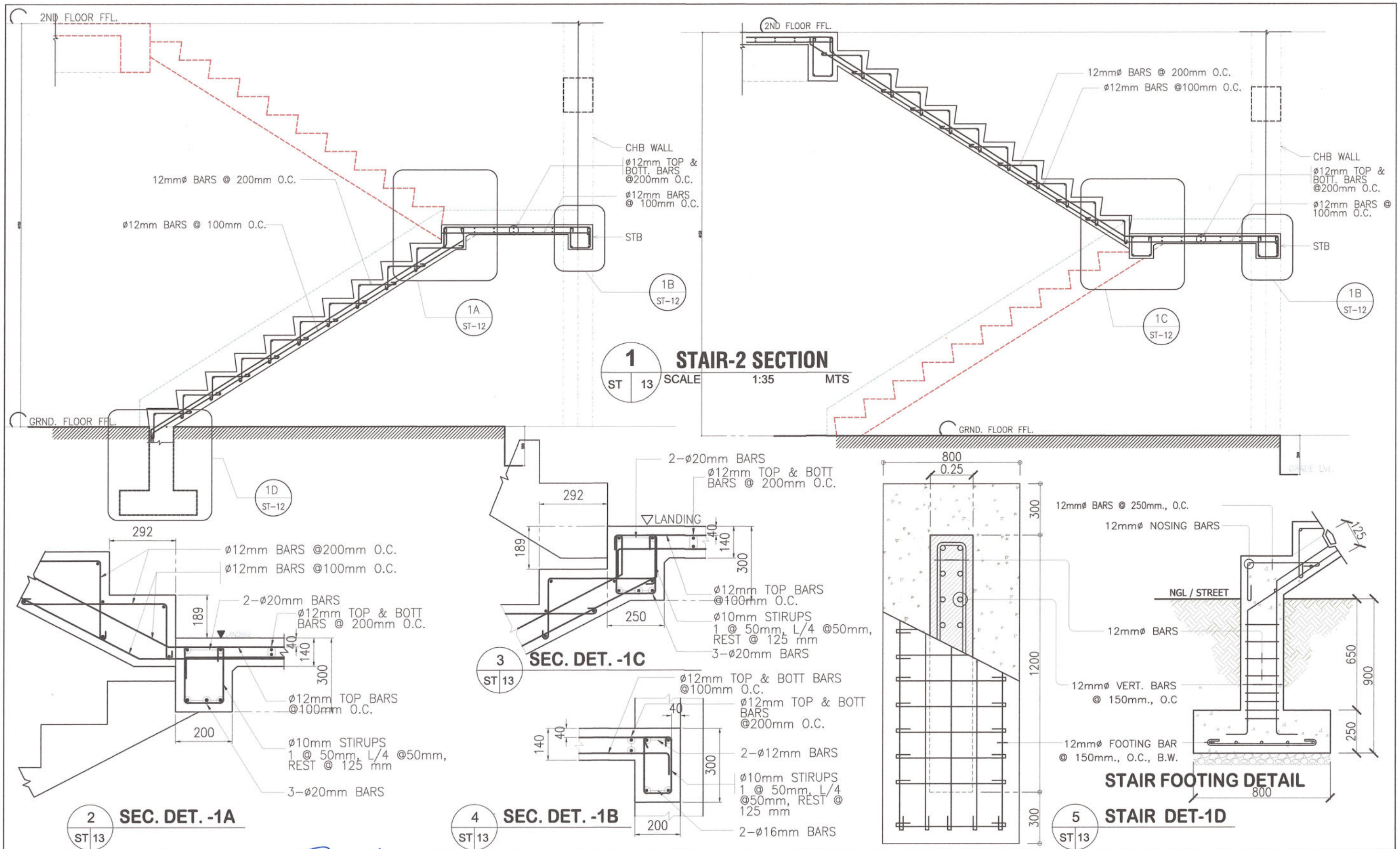
PREPARED BY:	CHECKED & VERIFIED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
AR.CLIFFORD T. BALDOZANO, ARCHITECT	AR. AIREEN MAE P. ALLEDA, PROJECT DEVELOPMENT OFFICER II, HEAD, PLANNING & DESIGN UNIT, PROJECT MANAGEMENT OFFICE	ENGR. ALYSSA MARIE A. BACOLOD, UNIVERSITY ENGINEER, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. VENZON L. LIMPIADA, UNIVERSITY PRESIDENT
CHECKED BY: ENGR. REDEN ARGAWANON, ENGINEER			

PROJECT TITLE: " CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS " — MAIN CAMPUS

SHEET CONTENT: AS SHOWN — SCALE AS SHOWN — NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
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REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEDA
LAST UPDATED	30 Jun 2026 - 12:29pm
DATE PRINTED	30 Jun 2026 - 12:30pm

SHEET NO. ST 12 | 13



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PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

PREPARED BY:
AR.CLIFFORD T. BALDOZANO
ARCHITECT

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ENGR. REDEN ARGAWANON
ENGINEER

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AR. AIREEN MAE P. ALLEDA
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PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
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UNIVERSITY ENGINEER
DIRECTOR, PROJECT MANAGEMENT OFFICE

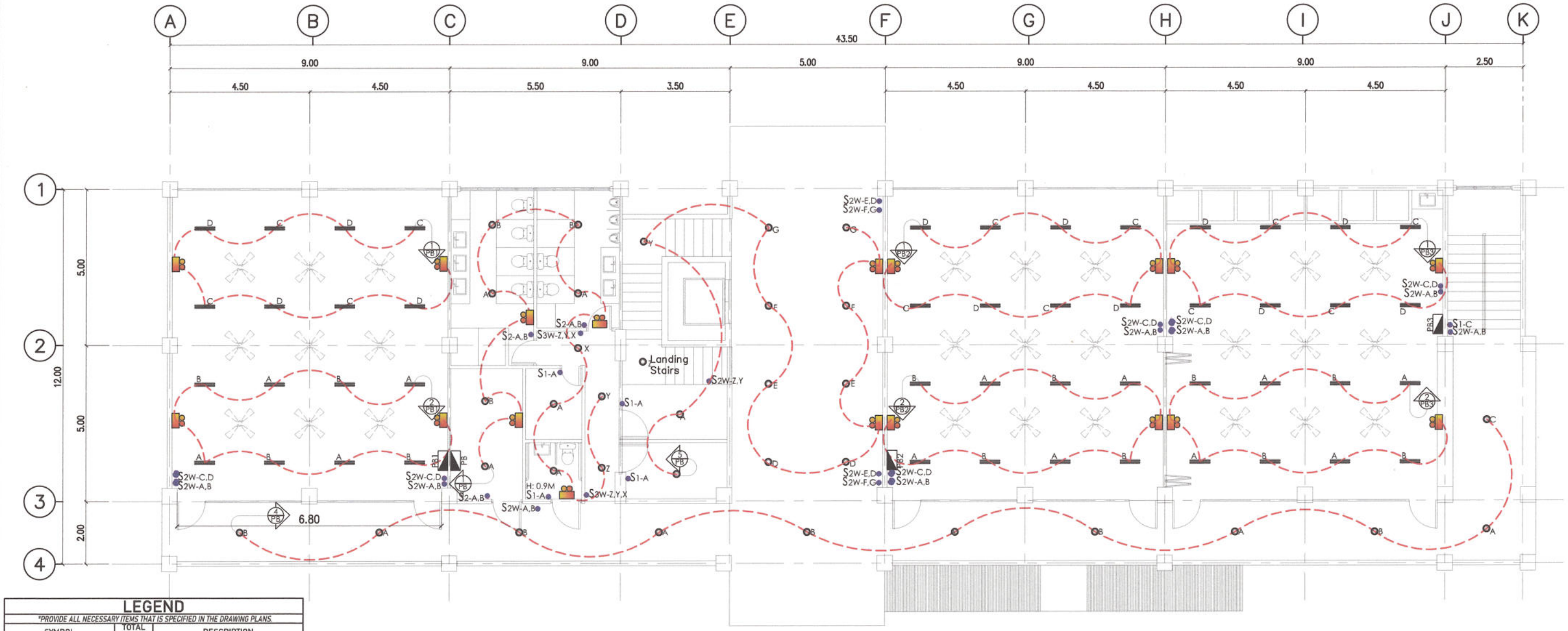
APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT:
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SCALE AS SHOWN
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PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
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LAST UPDATED	30 Jun 2026 - 12:32pm
DATE PRINTED	30 Jun 2026 - 12:33pm

SHEET NO.
ST 13 | 13



LEGEND		
*PROVIDE ALL NECESSARY ITEMS THAT IS SPECIFIED IN THE DRAWING PLANS.		
SYMBOL	TOTAL UNIT	DESCRIPTION
	48	T8 LED LIGHT W/ SINGLE REFLECTIVE RECESSED TYPE CASING
	33	12W LED - PINLIGHT SURFACE TYPE, ROUND TYPE
	27	CEILING/ORBIT FAN
	18	EMERGENCY LIGHT (TWIN LIGHT)
	3	PANEL BOARD
	13	SPECIAL POWER OUTLET - AIR CONDITIONING UNIT
FO	12	FLOOR OUTLET - UNIVERSAL CONVENIENCE OUTLET (2 GANG)
S1-A	5	SWITCH (ONE GANG)
S2-A,B	3	SWITCH (TWO GANG)
S3-A,B,C	0	SWITCH (THREE GANG)
S2W-A,B	18	SWITCH (TWO GANG - THREE WAY)
S3W-A,B,C	2	SWITCH (THREE GANG -THREE WAY)

1 LIGHTING LAYOUT PLAN

EL 1 SCALE 1:125 MTS

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
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PROJECT DEVELOPMENT OFFICER II
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PROJECT MANAGEMENT OFFICE

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ENGR. ALYSSA MARIE A. BACOLOD
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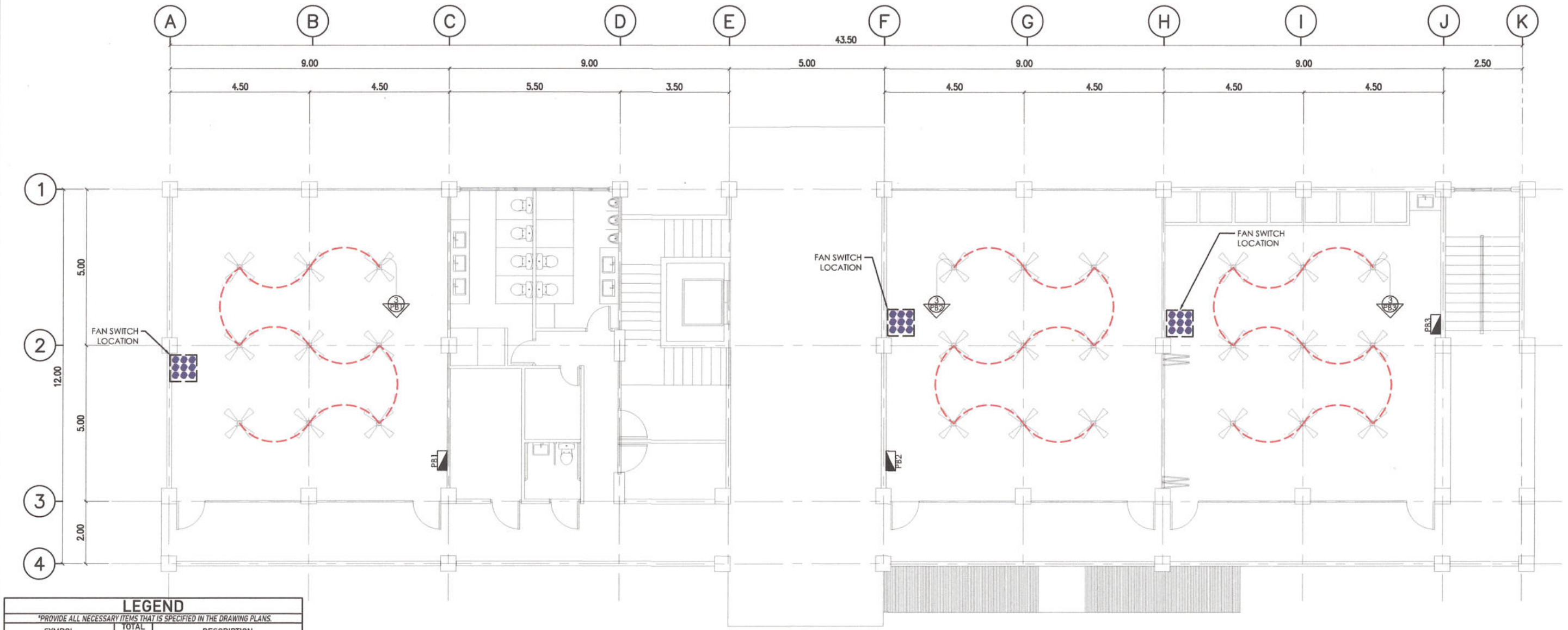
APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT:
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PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEDA
LAST UPDATED	29 Jun 2026 - 3:12pm
DATE PRINTED	29 Jun 2026 - 3:13pm

SHEET NO. EL 1 5



LEGEND		
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SYMBOL	TOTAL UNIT	DESCRIPTION
	48	T8 LED LIGHT W/ SINGLE REFLECTIVE RECESSED TYPE CASING
	33	12W LED - PINLIGHT SURFACE TYPE, ROUND TYPE
	27	CEILING/ORBIT FAN
	18	EMERGENCY LIGHT (TWIN LIGHT)
	3	PANEL BOARD
	13	SPECIAL POWER OUTLET - AIR CONDITIONING UNIT
FO	12	FLOOR OUTLET - UNIVERSAL CONVENIENCE OUTLET (2 GANG)
S1-A	5	SWITCH (ONE GANG)
S2-A,B	3	SWITCH (TWO GANG)
S3-A,B,C	0	SWITCH (THREE GANG)
S2W-A,B	18	SWITCH (TWO GANG - THREE WAY)
S3W-A,B,C	2	SWITCH (THREE GANG -THREE WAY)

1 CEILING FAN LAYOUT PLAN

EL 2 SCALE 1:125 MTS

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

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PROJECT DEVELOPMENT OFFICER I

CHECKED & VERIFIED BY:
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PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
ENGR. ALYSSA MARIE A. BACOLOD
UNIVERSITY ENGINEER
DIRECTOR, PROJECT MANAGEMENT OFFICE

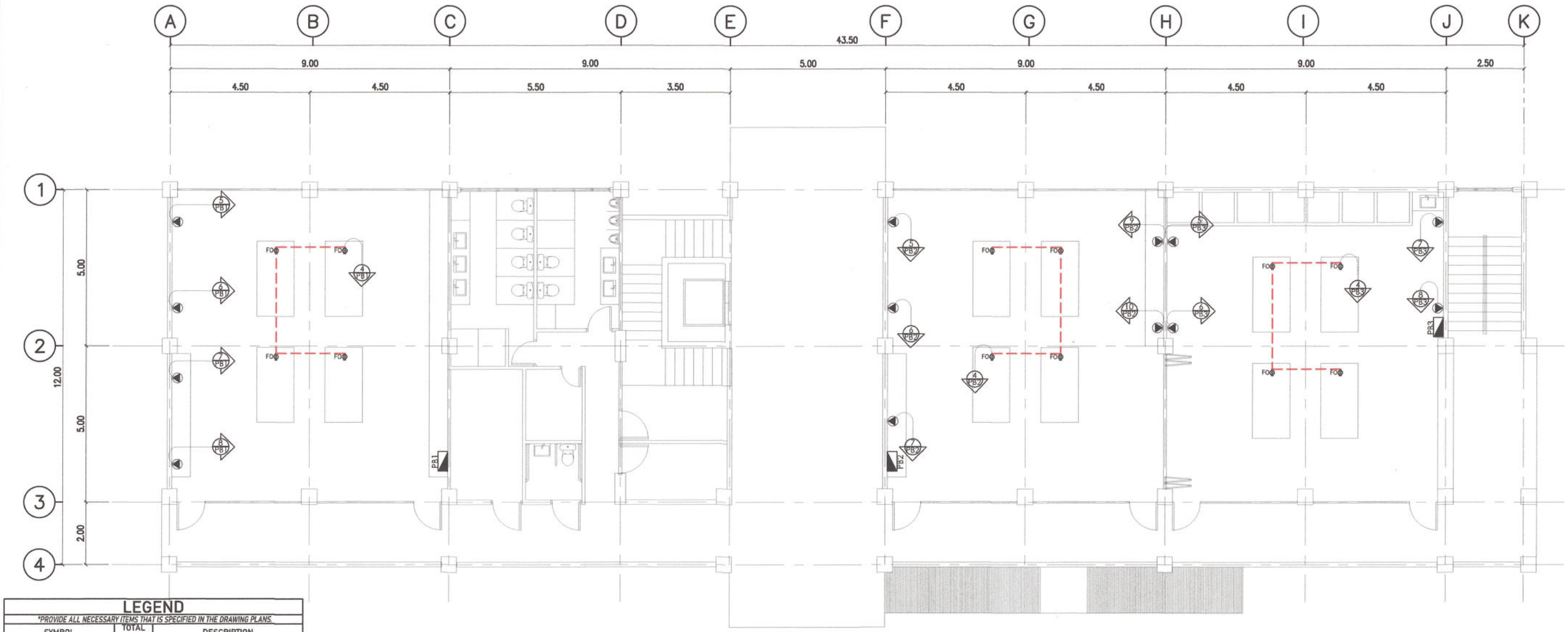
APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT:
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SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 29 Jun 2026 - 3:12pm
DATE PRINTED: 29 Jun 2026 - 3:13pm

SHEET NO.
EL 2 5



LEGEND		
*PROVIDE ALL NECESSARY ITEMS THAT IS SPECIFIED IN THE DRAWING PLANS.		
SYMBOL	TOTAL UNIT	DESCRIPTION
	48	T8 LED LIGHT W/ SINGLE REFLECTIVE RECESSED TYPE CASING
	33	12W LED - PINLIGHT SURFACE TYPE, ROUND TYPE
	27	CEILING/ORBIT FAN
	18	EMERGENCY LIGHT (TWIN LIGHT)
	3	PANEL BOARD
	13	SPECIAL POWER OUTLET - AIR CONDITIONING UNIT
FO	12	FLOOR OUTLET - UNIVERSAL CONVENIENCE OUTLET (2 GANG)
S1-A	5	SWITCH (ONE GANG)
S2-A,B	3	SWITCH (TWO GANG)
S3-A,B,C	0	SWITCH (THREE GANG)
S2W-A,B	18	SWITCH (TWO GANG - THREE WAY)
S3W-A,B,C	2	SWITCH (THREE GANG -THREE WAY)

1 POWER LAYOUT PLAN

EL 3 SCALE 1:125 MTS

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

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PROJECT DEVELOPMENT OFFICER III
HEAD, PLANNING & DESIGN UNIT
PROJECT MANAGEMENT OFFICE

RECOMMENDING APPROVAL:
ENGR. ALYSSA MARIE A. BACOLOD
UNIVERSITY ENGINEER
DIRECTOR, PROJECT MANAGEMENT OFFICE

APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT:
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PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
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CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 29 Jun 2026 - 3:12pm
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SHEET NO.
EL 3 5

SCHEDULE OF LOAD

Panel Board 1 (PB1)

Ckt No.	Poles	AT	Load Description	Total VA	Voltage	Current AN	Current BN	Current CN	Current ABC	Wiring mm² THWN cu.	GND mm² THWN cu.	Conduit
0	2	0	Main Circuit Breaker	30,791VA	230 V	48.96 A	50.70 A	44.26 A	-	3 - 30.0 mm²	1 - 8.0 mm²	40 mm dia
1	2	15	Panel Board 1-1 (PB1-1) at Lab Room 1	9897VA	230 V	18.09 A	10.17 A	16.00 A	9.60 A	3 - 30.0 mm²	1 - 8.0 mm²	20 mm dia
2	2	15	Panel Board 1-2 (PB1-2) at Lab Room 2	9897VA	230 V	10.09 A	16.00 A	18.17 A	9.60 A	3 - 30.0 mm²	1 - 8.0 mm²	20 mm dia
3	2	20	Panel Board 1-3 (PB1-3) at Lab Room 3	9897VA	230 V	16.00 A	18.17 A	10.09 A	9.60 A	3 - 30.0 mm²	1 - 8.0 mm²	25 mm dia
4	2	15	11 units of Lighting Outlet	1100VA	230 V	4.78 A			-	2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
5	2	20	11 units of Lighting Outlet + 2 Emergency Light	1460VA	230 V		6.35 A		-	2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
6	-	-	SPACE	-	-	-	-	-	-	-	-	-
7	-	-	SPACE	-	-	-	-	-	-	-	-	-
8	-	-	SPACE	-	-	-	-	-	-	-	-	-
				30,791VA		48.957	50.696	44.261	28.800			

For Main Feeder Conductor:
Use:
Phase: C 50.70 A
3P 28.80 A
Highest Motor Load (HML) = 9.60 A

Full Load Current (IFL)
IFL = 79.50 A + 25% Highest Motor Load
IFL = 81.90 A

Use: 2 Set of 3- 30.00 mm² THHN/THWN Cu. Wire

For Main Feeder Protection:
= ((IFL - Highest Motor Load) + 250%(Highest Motor Load))
= (105.95A -24) + 250%(17)
= 96.30 A; Total Current at 100%DF

Use: 1 - 150AT/600AF, 3Pole, Industrial Type MCCB,

SCHEDULE OF LOAD

Panel Board 1-3 (PB1-3) at Lab Room 3

Ckt No.	Poles	AT	Load Description	Total VA	Voltage	Current AN	Current BN	Current CN	Current ABC	Wiring mm² THWN cu.	GND mm² THWN cu.	Conduit
0	3	100	Main Circuit Breaker	9,897VA	230 V					3 - 30.0 mm²	1 - 8.0 mm²	40 mm dia
1	2	15	8 units of Lighting Outlet + 2 Emergency Light	1160VA	230 V			5.04 A		2 - 2.0 mm²	-	20 mm dia
2	2	15	8 units of Lighting Outlet + 2 Emergency Light	1160VA	230 V			5.04 A		2 - 2.0 mm²	-	20 mm dia
3	2	20	9 units of Ceiling Fan	1620VA	230 V		7.04 A			2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
4	2	20	4 units of Convenience Outlet (Floor)	720VA	230 V		3.13 A			2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
5	2	30	1.0 hp - Special Power Outlet	1000VA	230 V	8.00 A				2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
6	2	30	1.0 hp - Special Power Outlet	1000VA	230 V	8.00 A				2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
7	2	30	1.0 hp - Special Power Outlet	1000VA	230 V		8.00 A			2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
8	-	-	SPACE	-	-	-	-	-	-	-	-	-
9	-	-	SPACE	-	-	-	-	-	-	-	-	-
10	2	30	3.0 hp - Special Power Outlet	2237VA	230 V				9.60 A	2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
				9,897VA		16.00 A	18.17 A	10.09 A	9.60 A			

Computation of Total Current :
= ((Total VA - Highest Motor Load) + 250%(Highest Motor Load))/230
= (9,897VA -2,237) + 250%(2,237))/(230)
= 57.62 A; Total Current at 100%DF

Use: 100AT, 3-Pole, Industrial Circuit Breaker
at 2 - 30.00 mm² THWN Cu. Wire
+ 1 - 8.00 mm² THWN Cu. Wire for GND
in 40 mm dia. UPVC Conduit

SCHEDULE OF LOAD

Panel Board 1-2 (PB1-2) at Lab Room 2

Ckt No.	Poles	AT	Load Description	Total VA	Voltage	Current AN	Current BN	Current CN	Current ABC	Wiring mm² THWN cu.	GND mm² THWN cu.	Conduit
0	3	100	Main Circuit Breaker	9,897VA	230 V					3 - 30.0 mm²	1 - 8.0 mm²	40 mm dia
1	2	15	8 units of Lighting Outlet + 2 Emergency Light	1160VA	230 V	5.04 A				2 - 2.0 mm²	-	20 mm dia
2	2	15	8 units of Lighting Outlet + 2 Emergency Light	1160VA	230 V	5.04 A				2 - 2.0 mm²	-	20 mm dia
5	2	30	1.0 hp - Special Power Outlet	1000VA	230 V		8.00 A			2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
6	2	30	1.0 hp - Special Power Outlet	1000VA	230 V		8.00 A			2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
3	2	20	9 units of Ceiling Fan	1620VA	230 V			7.04 A		2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
4	2	20	4 units of Convenience Outlet (Floor)	720VA	230 V			3.13 A		2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
7	2	30	1.0 hp - Special Power Outlet	1000VA	230 V			8.00 A		2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
8	-	-	SPACE	-	-	-	-	-	-	-	-	-
9	-	-	SPACE	-	-	-	-	-	-	-	-	-
10	2	30	3.0 hp - Special Power Outlet	2237VA	230 V				9.60 A	2 - 5.5 mm²	1 - 5.5 mm²	25 mm dia
				9,897VA		10.09 A	16.00 A	18.17 A	9.60 A			

Computation of Total Current :
= ((Total VA - Highest Motor Load) + 250%(Highest Motor Load))/230
= (9,897VA -2,237) + 250%(2,237))/(230)
= 57.62 A; Total Current at 100%DF

Use: 100AT, 3-Pole, Industrial Circuit Breaker
at 2 - 30.00 mm² THWN Cu. Wire
+ 1 - 8.00 mm² THWN Cu. Wire for GND
in 40 mm dia. UPVC Conduit

SCHEDULE OF LOAD

Panel Board 1 (PB1)

Ckt No.	Poles	AT	Load Description	Total VA	Voltage	Current AN	Current BN	Current CN	Current ABC	Wiring mm² THWN cu.	GND mm² THWN cu.	Conduit
0	2	0	Main Circuit Breaker	30,791VA	230 V	48.96 A	50.70 A	44.26 A	-	3 - 30.0 mm²	1 - 8.0 mm²	40 mm dia
1	2	100	Panel Board 1-1 (PB1-1) at Lab Room 1	9897VA	230 V	18.09 A	10.17 A	16.00 A	9.60 A	3 - 30.0 mm²	1 - 8.0 mm²	20 mm dia
2	2	100	Panel Board 1-2 (PB1-2) at Lab Room 2	9897VA	230 V	10.09 A	16.00 A	18.17 A	9.60 A	3 - 30.0 mm²	1 - 8.0 mm²	20 mm dia
3	2	100	Panel Board 1-3 (PB1-3) at Lab Room 3	9897VA	230 V	16.00 A	18.17 A	10.09 A	9.60 A	3 - 30.0 mm²	1 - 8.0 mm²	25 mm dia
4	2	15	11 units of Lighting Outlet	1100VA	230 V	4.78 A			-	2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
5	2	20	11 units of Lighting Outlet + 2 Emergency Light	1460VA	230 V		6.35 A		-	2 - 3.5 mm²	1 - 3.5 mm²	25 mm dia
6	-	-	SPACE	-	-	-	-	-	-	-	-	-
7	-	-	SPACE	-	-	-	-	-	-	-	-	-
8	-	-	SPACE	-	-	-	-	-	-	-	-	-
				30,791VA		48.957	50.696	44.261	28.800			

For Main Feeder Conductor:
Use:
Phase: C 50.70 A
3P 28.80 A
Highest Motor Load (HML) = 9.60 A

Full Load Current (IFL)
IFL = 79.50 A + 25% Highest Motor Load
IFL = 81.90 A

Use: 2 Set of 3- 30.00 mm² THHN/THWN Cu. Wire
1 - 8.00 mm² TW Grounding Electrode Conductor
IN: 1 sets of 1- 40.00 mm diameter conduit

For Main Feeder Protection:
= ((IFL - Highest Motor Load) + 250%(Highest Motor Load))
= (105.95A -24) + 250%(17)
= 96.30 A; Total Current at 100%DF

Use: 1 - 150AT/600AF, 3Pole, Industrial Type MCCB,

1 / EL 4 **SCHEDULE OF LOADS**
SCALE 1:125 MTS

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
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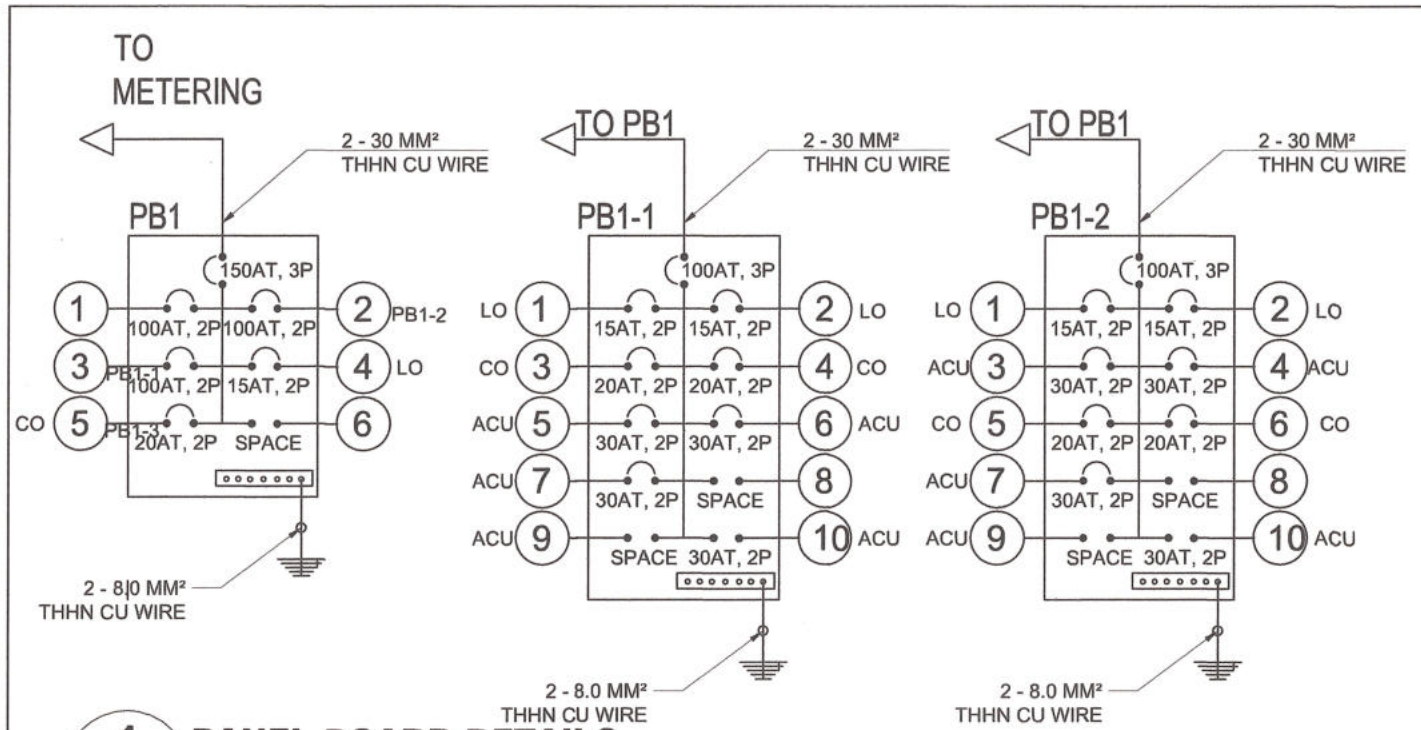
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UNIVERSITY PRESIDENT

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MAIN CAMPUS

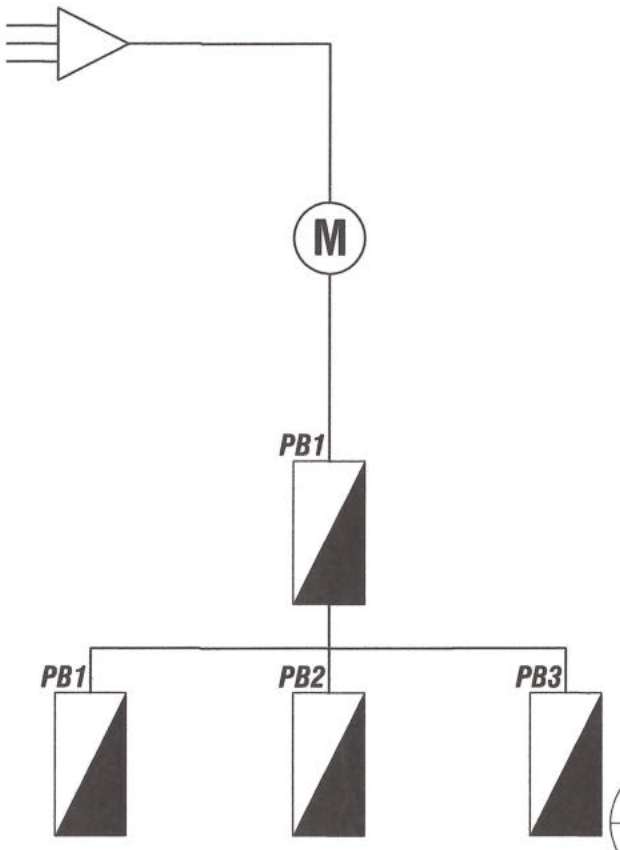
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SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

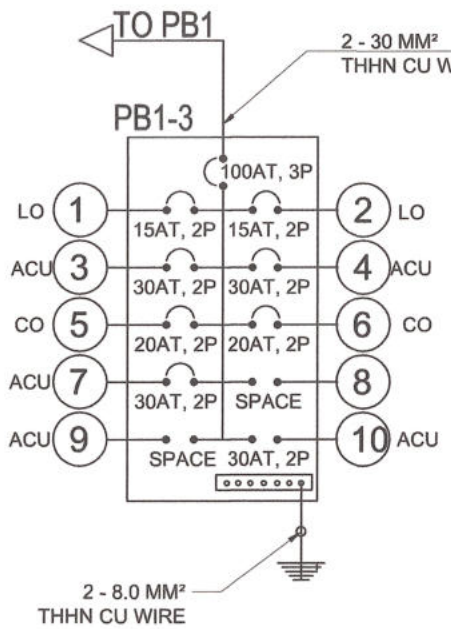
PARTICULARS
DESIGNED BY: PLANNING & DESIGN UNIT
DRAWN BY: C. BALDOZANO
REVISED BY: C. BALDOZANO
CHECKED BY: AR. A. ALLEDA
LAST UPDATED: 29 Jun 2026 - 3:12pm
DATE PRINTED: 29 Jun 2026 - 3:14pm

SHEET NO. EL 4 5



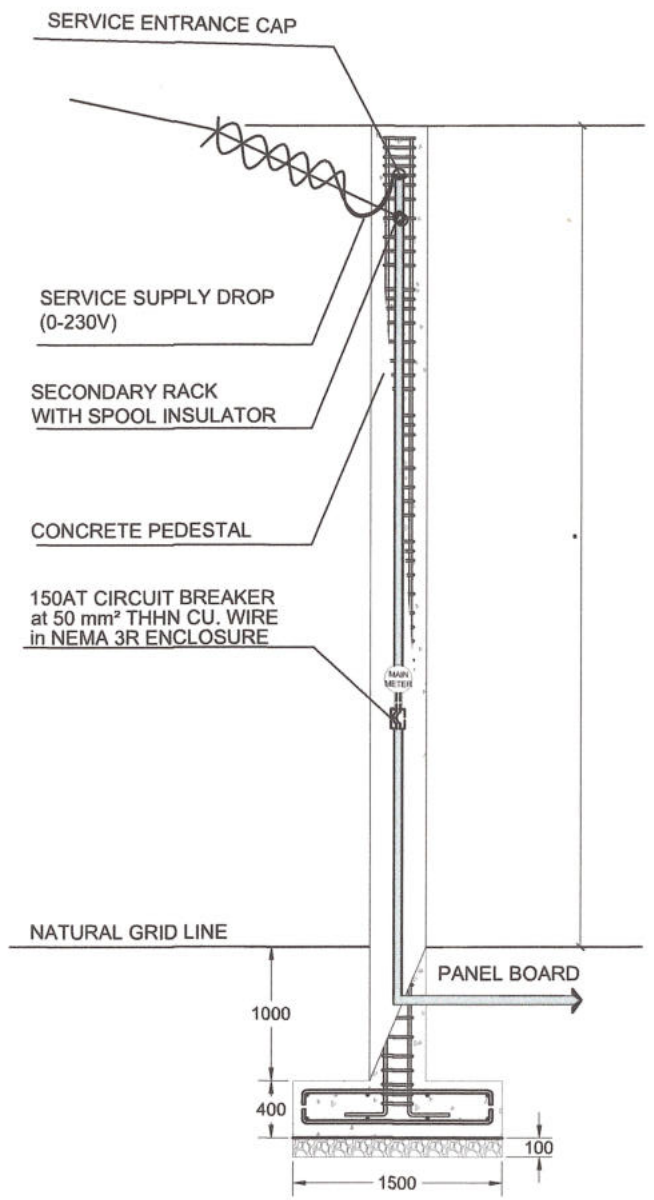
1 EE 5 **PANEL BOARD DETAILS**
NOT TO SCALE





2 EL 5 **SINGLE LINE DIAGRAM**
NOT TO SCALE

1 EL 5 **CONCRETE PEDESTAL DETAILS**
NOT TO SCALE



VERIFY ON SITE

GENERAL NOTES

1. ALL ELECTRICAL WORKS & INSTALLATIONS HERE SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST APPROVED EDITION OF THE PHILIPPINE ELECTRICAL CODE WITH RULES AND REGULATIONS OF THE CITY OR MUNICIPAL ORDINANCES AND ALSO THE RULES & REGULATIONS OF THE LOCAL POWER COMPANY.
2. THERE SHALL BE ONLY ONE SERVICE DROP TO THE BUILDING AND THE SERVICE POWER SUPPLY SHALL BE 250 VOLTS, SINGLE PHASE, 2 WIRE SYSTEM, 60 HERTZ.
3. ALL WORKS SHALL BE SUPERVISED BY A DULY LICENSED ELECTRICAL ENGINEER OR LICENSED ELECTRICAL CONTRACTOR.
4. ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE FOR BOTH PURPOSED AND LOCATION INTENDED FOR.
5. MINIMUM SIZE OF WIRE CONDUIT TO BE USED SHALL BE # 3.5 MM TYPE THWN & 25 MMØ PVC GENERALLY USED RECEPTACLE SHALL HAVE A TRADE SIZE WIRES SHALL BE INSULATED FOR 600 VOLTS.
6. ALL CONVENIENCE OUTLET SHALL BE DUPLEX TYPE RATED 20 AMP.,250 VOLTS, FLUSH MOUNTED.
7. LIGHT CONTROL SWITCHES SHALL 10 AMP., 220 VOLTS, AC ONLY. SWITCHES SHALL NOT CARRY A LOAD GREATER THAN ITS RATING.
8. ALL FEEDER BRANCH CIRCUIT TO PANEL BOARD SHALL NOT BE COMBINED IN THE SAME RACEWAY UNLESS INDICATED IN THE PLAN.
9. ALL RIGID STEEL CONDUITS AND UTILITY JUNCTION BOXES EMBEDDED IN CONCRETE SHALL BE PAINTED WITH RED LEAD.
10. CONDUITS RUN SHALL BE CONTINUOUS FROM OUTLET TO OUTLET, FROM OUTLET TO PANEL BOARD OR FROM PULL BOX TO PULL BOX.
11. ALL CONVENIENCE OUT LET SHALL BE WALL MOUNTED AT 0.50 METERS ABOVE FINISHED FLOOR LEVEL. UNLESS STATED OTHERWISE.
12. FOR UNDERGROUND INSTALLATIONS - DIRECT BURIED CABLE/CONDUIT SHALL BE INSTALLED TO MEET THE MINIMUM COVER REQUIREMENT OF PEC TABLE 3.0.1.5.

REPUBLIC OF THE PHILIPPINES
PALAWAN STATE UNIVERSITY
PUERTO PRINCESA CITY
ADDRESS: TINIGUIBAN HEIGHTS, PUERTO PRINCESA CITY

PREPARED BY:
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PROJECT DEVELOPMENT OFFICER I

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DIRECTOR, PROJECT MANAGEMENT OFFICE

APPROVED BY:
DR. VENZON L. LIMPIADA
UNIVERSITY PRESIDENT

PROJECT TITLE:
" CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS "
MAIN CAMPUS

SHEET CONTENT:
AS SHOWN
SCALE AS SHOWN
NOTE: ALL DRAWINGS IN THEIR ENTIRETY ARE IN METRIC SCALE UNLESS OTHERWISE STATED.

PARTICULARS	
DESIGNED BY	PLANNING & DESIGN UNIT
DRAWN BY	C. BALDOZANO
REVISED BY	C. BALDOZANO
CHECKED BY	AR. A. ALLEBA
LAST UPDATED	29 Jun 2026 - 3:16pm
DATE PRINTED	29 Jun 2026 - 3:16pm

SHEET NO. EL 5 5

Name of Project: CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS

BILL OF QUANTITIES					
Name of the Contract:					
Address:					
SUMMARY					
	DESCRIPTION			***AMOUNT***	
				MATERIAL COST	LABOR & EQUIPMENT COST
1	**GENERAL REQUIREMENTS**				
	PERMITS AND LICENSING				
	OCCUPATIONAL SAFETY AND HEALTH				
	FIELD OFFICE AND TEMPORARY FACILITIES				
	PERSONAL PROTECTIVE EQUIPMENT				
2	**SITE PREPARATION WORKS**				
3	**EARTHWORKS**				
4	**CONCRETE MASONRY WORKS**				
5	**ARCHITECTURAL STEEL WORKS**				
6	**TILING WORKS and FLOOR FINISHING WORKS**				
7	**PAINTING WORKS**				
8	**SCHEDULE OF DOORS AND WINDOWS**				
9	**TOILET PARTITION WORKS**				
10	**REINFORCING STEEL WORKS**				
11	**FORMWORKS AND SCAFFOLDINGS**				
12	**CONCRETE WORKS**				
13	**TEMPORARY TINSMITHRY & ROOF FRAMING WORKS**				
14	**PLUMBING WORKS**				
15	**ELECTRICAL WORKS**				
16	**WATER PROOFING WORKS**				
		TOTAL COST			
		Total Direct Cost			
		O.C.M.			
		Contractors Profit			
		V.A.T.			
		Total Project Cost			

Submitted by:

_____

Name of the Firm/Contractor

By:

_____

Name & Signature of the Authorized Representative

_____

Position/Designation

_____

Date

Name of Project: **CONSTRUCTION OF ONE-STOREY ACADEMIC AND LABORATORY BUILDING (3 CLASSROOMS), PSU MAIN CAMPUS**
Location: **PSU Main Campus, Tiniguiban Heights, Puerto Princesa City**

BLANK BILL OF QUANTITIES

1.0 GENERAL REQUIREMENTS

	Description	Qty	Unit	Unit Cost	Amount
Labor					
1.a	**PERMITS AND LICENSING**		lot		
	Building Permits				
	Occupancy Permits				
				Labor Sub-Total	
1.b	**OCCUPATIONAL SAFETY AND HEALTH**				
	Safety Officer		days		
	First Aider		days		
				Labor Sub-Total	
Materials					
1.c	**FIELD OFFICE AND TEMPORARY FACILITIES**				
	Office, Bunkhouse, Temporary Enclosure, Billboards & etc.				
materials					
	6'X8' polyethelene sackolin		ln.m		
	4'x8' Corrugated G.I. Sheet		pcs		
	2" x 2"x 10ft coco lumber		bd.ft		
	2" x 3"x 10ft coco lumber		bd.ft		
	2 inches CWN		kgs.		
	3 inches CWN		kgs.		
	Flush toilet ceramic bowl		pc		
	Vertical Purifying Septic Tank (1000 Liters)		pc		
	4" dia x 3m uPVC pipe s600		pcs.		
	4" dia. Pvc elbow (45°)		pcs.		
	solvent cement		qrt		
	Concrete Cement (40 kg)		bags		
	Screen sand		cu.m.		
	4'x8' Project Billboard		lot		
Temporary Power Connection					
	2 gang convenience outlet		pcs		
	receptacle led lighting		pcs		
	1 gang switches		pcs		
	60 AT safety breaker		pcs		
	14mm2 THW copper wire		ln.m		
	junction box		pcs		
	utility box		pcs		
	Sub-meter		rolls		
Temporary Water Connection					
	20mmØ HDPE Pipe		meter		
	Sub-Water Meter		unit		
	20mmØ Gate Valve		pcs		
	20mmØ Gate Valve		pcs		
	20mmØ Union Patente		pcs		
				Material Sub Total.....	
				Labor Sub-Total	
	PERSONAL PROTECTIVE EQUIPMENT				
	Safety Shoes (Steel Toe)		pairs		
	Safety Helmet (Hard Hat)		units		
	Safety Harness (Heavy Duty)		sets		
	Safety Goggles (Heavy Duty)		pcs.		
	Safety Gloves (Heavy Duty)		pairs		
	Firs Aid Kit Tool		set		
	Safety Signages		lot		
				Material Sub-Total	
				Total Material Cost.	
				Total Labor Cost.	
				Total Direct Cost.	

2.0 SITE PREPARATION WORKS

	Description	Qty	Unit	Unit Cost	Amount
materials	layout and staking, soil poisoning				
	0.8 mm #45 string monoline nylon		roll		
	1/4" ordinary plywood		pc		
	2" x 2"x 10ft coco lumber		bd.ft		
	2" x 3"x 10ft coco lumber		bd.ft		
	2 inches CWN		kgs.		
	3 inches CWN		kgs.		
	Soil Termiticide Liquid Concentrate		gallon		

BLANK BILL OF QUANTITIES

Sub Total.....

Labor

boring test 2 boreholes; 30m depth — hole

Sub Total.....

Equipment Rental

Excavator (clearing and grubbing) — hrs

Sub Total.....

Material Cost.....
Labor Cost.....
Equipment cost.....
Total Item Cost.....

3.0 EARTHWORKS

Description	Qty	Unit	Unit Cost	Amount
Materials				
Earthfill		cu.m		
3/4" Gravel (gravel bedding)		cu.m		
Sub Total.....				
Labor				
Excavation (grade beam)		cu.m		
Backfill		cu.m		
Sub Total.....				
Equipment Rental				
Excavator (cut & fill and footing)		hr		
Walk behind compactor		hr		
Sub Total.....				

Material Cost.....
Labor Cost.....
Equipment cost.....
Total Item Cost.....

4.0 CONCRETE MASONRY WORKS

Description	Qty	Unit	Unit Cost	Amount
Exterior walls with plastering				
6" Concrete hollow blocks		pc		
Concrete Cement (40 kg)		bag		
screen sand (mortar)		cu.m		
Fine sand (plaster)		cu.m		
10mm dia x 6.0m Deformed RSB (Grade 33/40)		pcs		
#16 G.I. Tie Wire (For securing reinforcing bars)		kg		
Sub Total.....				
Interior walls with plastering				
4" Concrete hollow blocks		pc		
Concrete Cement (40 kg)		bag		
screen sand (mortar)		cu.m		
Fine sand (plaster)		cu.m		
10mm dia x 6.0m Deformed RSB (Grade 33/40)		pcs		
#16 G.I. Tie Wire (For securing reinforcing bars)		kg		
Sub Total.....				
Equipment Rental				
Angle Grinder		hr		

Material Cost.....
Labor Cost.....
Equipment Cost.....
Total Item Cost.....

5.0 ARCHITECTURAL STEEL WORKS

Description	Qty	Unit	Unit Cost	Amount
Materials				
main stair steel railings				
2"Ø Stainless Steel Pipe, Grade 316, 1.5mm thk x 6m (Handrails & Posts)		pcs		
Deep Dome Post Base Cover Shoe / Cap (Fits 2" post; Grade 316 115mm OD)		set		
Heavy-Duty Circular Flange Base Plate (100mm OD x		set		
Heavy-Duty Expansion Shield Anchor Bolts (M8 x 75mm, SS316)		pcs		
Stainless Steel Welding Rod (E316L-16, 2.5mm, 5kg pack)		box		
Grinding, Polishing & Buffing Consumables Kit		lot		

BLANK BILL OF QUANTITIES

			Sub Total.....
	stair-2		
	2"Ø Stainless Steel Pipe, Grade 316, 1.5mm thk x 6m (Handrails & Posts)	pcs	
Grade 316	Deep Dome Post Base Cover Shoe / Cap (Fits 2" post;	set	
	Heavy-Duty Circular Flange Base Plate (100mm OD x 6mm thk)	set	
	Heavy-Duty Expansion Shield Anchor Bolts (M8 x 75mm, SS316)	pcs	
	Stainless Steel Welding Rod (E316L-16, 2.5mm, 5kg pack)	box	
	Grinding, Polishing & Buffing Consumables Kit	lot	
			Sub Total.....
	entrance ramp railing		
	2"Ø Stainless Steel Pipe, Grade 316, 1.5mm thk x 6m (Handrails & Posts)	pcs	
Grade 316	Deep Dome Post Base Cover Shoe / Cap (Fits 2" post;	set	
	Heavy-Duty Circular Flange Base Plate (100mm OD x 6mm thk)	set	
	Heavy-Duty Expansion Shield Anchor Bolts (M8 x 75mm, SS316)	pcs	
	Stainless Steel Welding Rod (E316L-16, 2.5mm, 5kg pack)	box	
	Grinding, Polishing & Buffing Consumables Kit	lot	
			Sub Total.....
Equipment Rental			
	welding machine	hrs	
	angle grinder	hrs	
			Sub Total.....
			Material Cost. . . . .
			Labor cost. . . . .
			Equipment Cost. . . . .
			Total Item Cost. . . . . .

6.0 TILING WORKS and FLOOR FINISHING WORKS

	Description	Qty	Unit	Unit Cost	Amount
Materials					
	main flooring - polished concrete slab finish				
	Lithium-Based Concrete Densifier/Hardener Concentrate		gal		
	Premium Concrete Floor Sealer / Protective Coat		gal		
	comfort room tile flooring				
	0.60m x 0.60m unglazed ceramic floor tiles (Slip-resistant)		pcs		
	comfort room wall tiles				
	0.30m x 0.60m glazed ceramic floor tiles		pcs		
	stair flooring				
	0.40m x 0.40m Unglazed ceramic tiles		pcs		
	Heavy-Duty Aluminum Step Nosing (2.44m commercial length)		pcs		
			Sub Total.....		
	Consolidated Installation Consumables				
	materials for tile installation				
	concrete cement		bags		
	25 kg heavy duty tile adhesive		bags		
	Fine Sand (Clean washed, for screed bedding matrix)		cu.m.		
	Tile Grout (2 kg pack, color-matched to tiles)		kg		
	tile spacer 1mm (500pcs per pack)		pack		
	1.1mm Nylon Guide Line (500m/roll)		roll		
	Assorted Concrete Nails (1.5" to 3")		kg		
	Diamond Cutting Disc 4" (Continuous rim for clean tile edges)		pcs		
			Sub Total.....		
quipment Rentals					
	Gasoline Power Trowel (36") (Main Slab Finish)		hrs		
	Angle grinder		hrs		
			Sub Total.....		
			Material Cost:		
			Labor Cost:		
			Equipment rental		
			Total Item Cost:		

7.0 PAINTING WORKS

Description	Qty	Unit	Unit Cost	Amount
all painting works				

BLANK BILL OF QUANTITIES

	Premium Skim Coat (White, 20kg bag)	bag
	Flat Latex Paint (White, Primer Base)	gal
	Acrylic Latex Paint (Semi-Gloss Finish, Topcoat)	gal
	Red Oxide Primer	gal
	Lacquer Thinner	gal
consumables		
	Sanding Paper #120 (Coarse skim leveling)	pcs
	Sanding Paper #240 (Fine finish smoothing)	pcs
	Paint Brush 4-inch (Nylon/Polyester blend)	pcs
	Paint Brush 2-inch (For fine cutting/borders)	pcs
	Paint Roller 4-inch (With handle)	pcs
	Heavy-Duty Paint Roller 9-inch (With handle)	pcs
	Paint Roller Trays (Heavy-duty plastic)	pcs
	Painter's Masking Tape (2-inch width, 50m roll)	roll
	Clean Industrial Packing News Paper (For masking)	kg
	Cotton Rags / Estopa (For surface cleaning)	kg
	Sub Total.....	
quipment Rentals		
	Portable Air Compressor (2HP) with spray gun and 15m air hose	hrs
	Sub Total.....	

Material Cost:	
Labor Cost:	
Equipment Cost:	
Total Item Cost:	

8.0 SCHEDULE OF DOORS AND WINDOWS

	Description	Qty	Unit	Unit Cost	Amount
DOORS					
D-1	2-Panel Grille Door with 2"x4" Tubular Jamb (as shown in		set		
dimension:	2.03m x 2.50m				
location:	LAB-1				
accessories:	2"x4"x5mm Tubular Steel Frame				
	25mm Solid Square Steel Bars				
	Heavy-Duty Heavy Hinges & Lockset				
	Epoxy Primer & Metal Paint Finish				
D-2	1-Panel Grille Door with 2"x4" Tubular Jamb (as shown in		set		
dimension:	1.04m x 2.50m				
location:	LAB-2 & LAB-3				
accessories:	2"x4"x5mm Tubular Steel Frame				
	25mm Solid Square Steel Bars				
	Heavy-Duty Heavy Hinges & Lockset				
	Epoxy Primer & Metal Paint Finish				
D-3	Solid Panel Door on 2"x6" Wood Jamb (as shown in the drawing)		set		
dimension:	1.00m x 2.15m (Net:0.90m Panel)				
location:	PWD Toilet				
accessories:	Kiln-Dried Solid Hardwood Panel Door				
	2"x6" Yakal/Hardwood Jamb Matrix				
	Heavy-Duty Brass Ball-Bearing Hinges (4 pcs)				
	Lever-Type PWD Compliant Lockset				
	Paint Finish				
D-4	Solid Panel Door on 2"x6" Wood Jamb (as shown in the drawing)		set		
dimension:	0.90m x 2.15m (Net:0.80m Panel)				
location:	Elec. Room, Storage, Toilet				
accessories:	Kiln-Dried Solid Hardwood Panel Door				
	2"x6" Hardwood Jamb Matrix				
	Loose-Pin Steel Hinges (4 pcs)				
	Cylindrical Knob Lockset				
	Paint Finish				
D-5	Solid Panel Door on 2"x6" Wood Jamb (as shown in the drawing)		set		
dimension:	0.80m x 2.15m (Net:0.70m Panel)				
location:	Utility Room				
accessories:	Kiln-Dried Solid Hardwood Panel Door				
	2"x6" Hardwood Jamb Matrix				
	Loose-Pin Steel Hinges (4 pcs)				

BLANK BILL OF QUANTITIES

Cylindrical Knob Lockset
Paint Finish

Sub Total.....

WINDOWS

W-1 Grille Window with 2"x4" Tubular Jamb (as shown in the drawing) — set
dimension: 2.00m x 3.55m and 2.00m x 1.05m
location: LAB-1
accessories: 2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W-2 Grille Window with 2"x4" Tubular Jamb (as shown in the drawing) — set
dimension: 3.00m x 3.55m and 1.00m x 1.05m
location: LAB-2 & LAB-3
accessories: 2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W-3 Grille Window with 2"x4" Tubular Jamb (as shown in the drawing) — set
dimension: 4.00m x 3.55m
location: LAB-1 & LAB-2
accessories: 2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W-4 Grille Window with 2"x4" Tubular Jamb (as shown in the drawing) — set
dimension: 4.00m x 2.75m
location: LAB-3
accessories: 2"x4"x5mm Tubular Steel Perimeter Frame
25mm Solid Square Steel Bars
Epoxy Primer & Metal Paint Finish

W-5 Analok Aluminum Awning Window (as shown in the drawing) — set
dimension: 4.80m × 0.60m
layout: 8 Equal Bays (0.60m each)
location: Female & Male Toilet, Rear Side View
accessories: 1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W-6 Analok Aluminum Awning Window (as shown in the drawing) — set
dimension: 3.60m × 0.60m
layout: 6 Equal Bays (0.60m each)
location: Front Elevation
accessories: 1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W-7 Analok Aluminum Awning Window (as shown in the drawing) — set
dimension: 3.00m × 0.60m
layout: 5 Equal Bays (0.60m each)
location: Rear Elevation
accessories: 1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W-8 Analok Aluminum Awning Window (as shown in the drawing) — set
dimension: 2.40m × 0.60m

BLANK BILL OF QUANTITIES

layout: 4 Equal Bays (0.60m each)
location: Front Elevation
accessories: 1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

W-9 Analok Aluminum Awning Window (as shown in the drawing) — set
dimension: 1.80m × 0.60m
layout: 3 Equal Bays (0.60m each)
location: Front Elevation
accessories: 1 1/2" x 3" Analok Main Frame
Analok Awning Outer/Inner Sash Profiles
3/16" thk. Clear Glass Panels
Heavy-Duty Friction Stays & Cam Handles
Vinyl weather-strip & structural silicone

Sub Total.....

Accordion Operable Door/Partition (as shown in the drawing)

A. Partition Panels & Core Materials

4' x 8' 1m x 2m	3/4" Marine Plywood - Structural panel core framing	pc
	1" Soundproof Acoustical Foam High-density acoustic attenuation layer	sheet
	Premium Heavy-Duty Leatherette - Upholstered exterior finish wrap (Double-sided face area)	meter
	Contact Cement Adhesive - For bonding leatherette skin and acoustical foam layers	gal

B. Heavy-Duty Structural Track Assembly

	Top Heavy-Duty Hanging Box Track- Heavy steel profile track system, includes structural mounts	length
	Bottom Embedded Box Track - Floor-recessed channel, galvanized steel anti-grit assembly	length
	Commercial Roller Carrier Sets - Multi-wheel heavy ball-bearing rollers (Top & bottom sets)	set

C. Frame Trim & Hardware Accessories

	1/2" Thick Ficem Board - Drop cover fascia trim to conceal top hanging track	sheet
	Internal Steel Pantograph Scissors - Heavy internal lazy-tongs bracing grid for smooth folding	lot
	Jamb Magnetic Seals & Pull Handles - Heavy-duty dual edge locks and institutional hardware recessed	set
	Metal Furring Channels & Screws - Framing to support the 1/2" ficem board drop cover	lot

Sub Total.....

Material Cost:
Labor Cost:
Total Item Cost:

9.0 TOILET PARTITION WORKS

Description	Qty	Unit	Unit Cost	Amount
Materials				
Female Toilet Cubicles				
12mm Phenolic Board Panels & Stainless Steel Hardware Kit - Complete cubicle partition kit (1.85m height). Includes panels, pilasters, doors, privacy indicators, gravity hinges, pedestal legs, and U-channels.		sq.m.		
Male Toilet Cubicles & Urinal Screens				
12mm Phenolic Board Panels & Stainless Steel Hardware Complete cubicle partition kit (1.85m height). Includes panels, pilasters, doors, privacy indicators, gravity hinges, pedestal legs, and U-channels.		sq.m.		
Phenolic Board Urinal Partition Screen - 0.40 x 1.00m custom-shaped privacy screen, inclusive of heavy corner brackets and wall-anchor shoes		lots		

BLANK BILL OF QUANTITIES

2 inches CWN		kg
3 inches CWN		kg
4 inches CWN		kg
Sub Total.....		

Equipment Rental

H-frame scaffoldings,sched.40 -2" dia.pipes and accessories for preparation of pedestals, footings,	Mo

Labor

Material Cost. . . . . .
Labor Cost. . . . . .
Equipment cost. . . . . .
Total Direct Cost:

12.0 CONCRETE WORKS

Description	Qty	Unit	Unit Cost	Amount
12.1 Footing				
Materials				
Concrete Cement (40 kg)		bag		
Washed Sand		cu.m.		
3/4" Washed gravel		cu.m.		
Sub Total.....				
12.2 Column				
Materials				
Concrete Cement (40 kg)		bag		
Washed Sand		cu.m.		
3/4" Washed gravel		cu.m.		
Sub Total.....				
12.3 Wall Footing				
Materials				
Concrete Cement (40 kg)		bag		
Washed Sand		cu.m.		
3/4" Washed gravel		cu.m.		
Sub Total.....				
12.4 Slab & Beam				
Materials				
Ready mix concrete (3000 psi)		cu.m.		
Sub Total.....				
12.5 Stair				
Materials				
Concrete Cement (40 kg)		bag		
Washed Sand		cu.m.		
3/4" Washed gravel		cu.m.		
Sub Total.....				
12.6Elevator				
Materials				
Concrete Cement (40 kg)		bag		
Washed Sand		cu.m.		
3/4" Washed gravel		cu.m.		
Sub Total.....				
Equipment Rental				
1 bagger mixer		hr		
Concrete vibrator		hr		
Sub Total.....				

Labor

Material Cost. . . . . .
Labor Cost. . . . . .
Equipment Cost. . . . . .
Total Direct Cost:

13.0 TEMPORARY TINSMITHRY & ROOF FRAMING WORKS

Description	Qty	Unit	Unit Cost	Amount
Materials				
G.A #24 rib-type long span		ln.m		
2"x2"x5mm thk. Angle Bar (Truss)		pc		

BLANK BILL OF QUANTITIES

Necessary Installation Consumables

G316 Stainless Steel Expansion Anchors & Tox Plugs - For structural wall-channel and floor-pedestal anchorage into ceramic masonry walls.	lot
Anti-Fungal Sanitary Silicone Sealant - Mildew-resistant clear sealant for wall-to-profile joint boundaries.	tube

Material Cost:
Labor Cost:
Total Item Cost:

10.0 REINFORCING STEEL WORKS

Description	Qty	Unit	Unit Cost	Amount
10.1 Footing				
Materials				
20mm dia. Reinforcing Steel Bar 6m		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.2 Column				
Materials				
10mm dia. Reinforcing Steel Bar 6m (lateral ties)		pc		
20mm dia. Reinforcing Steel Bar 6m (main vertical bar)		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.3 Wall footing				
Materials				
12mm dia. Reinforcing Steel Bar 6m		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.3 Slab				
Materials				
12mm dia. Reinforcing Steel Bar 6m		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.4 Beam				
Materials				
12mm dia. Reinforcing Steel Bar 6m (stirups)		pc		
16mm dia. Reinforcing Steel Bar 6m (main bars)		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.5 Stair				
Materials				
12mm dia. Reinforcing Steel Bar 6m		pc		
16mm dia. Reinforcing Steel Bar 6m		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.6 Elevator				
Materials				
12mm dia. Reinforcing Steel Bar 6m		pc		
16mm dia. Reinforcing Steel Bar 6m		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
10.7 Bar Spacer / Separator				
Materials				
25mm Plain Round Bar 6m		pc		
#16 G.I. Tie Wire		kg		
Sub Total.....				
Equipment Rental				
Bar Cutter		hr		
Bar Bender				
Sub Total.....				
Labor				
Material Cost.				
Labor Cost.				
Equipment cost.				
Total Direct Cost:				

11.0 FORMWORKS AND SCAFFOLDINGS

Description	Qty	Unit	Unit Cost	Amount
Materials				
12mm thk. phenolic formworks support		pc		
2" x 3"x 10ft coco lumber		bd.ft.		
2" x 2"x 10ft coco lumber		bd.ft.		
1 inch CWN		kg		

BLANK BILL OF QUANTITIES

2" x 3" x 1.2mm thk. c-purlins G.I	pc
4 inches diameter Gi pipe schedule 40	pc
3" Self-Drilling Screw with Rubber Sealant (Tekscrew)	pcs
1/8" Ø x 1/2" Ø Blind Rivets	bxs
1/8" Ø Drill Bit (Steel)	pcs
Welding rod	kg
grinding disc #4	pc

Sub Total.....

Equipment Rental

welding machine	hr
angle grinder	hr

Sub Total.....

Labor

Material Cost. . . . . .
Labor Cost. . . . . .
Equipment cost. . . . . .
Total Direct Cost:

14.0 PLUMBING WORKS

Description	Qty	Unit	Unit Cost	Amount

13.2 Waste Pipe System

Description	Qty	Unit	Unit Cost	Amount
Supply and installation of PVC (Series 1000) pipe including fittings, sleeves, painting, supports, hangers, excavation, backfilling and other miscellaneous items as shown and as required to complete the system with testing and commisioning.				
6" Ø x 3m PVC Pipe S-1000		pcs.		
4" Ø x 3m PVC Pipe S-1000		pcs.		
2" Ø x 3m PVC Pipe S-1000		pcs.		
6" Ø x 4" Ø PVC Wye Reducer		pcs.		
4" Ø x 2" Ø PVC Wye Reducer		pcs.		
2" Ø x 2" Ø PVC Wye		pcs.		
4" Ø PVC Elbow 45°		pcs.		
4" Ø PVC Elbow 90°		pcs.		
6" x 4" Ø PVC Elbow 90°		pcs.		
6" Ø x 4" Tee PVC Elbow		pcs.		
2" Ø PVC Elbow 45°		pcs.		
2" Ø PVC Elbow 90°		pcs.		
2" Ø PVC P-Trap		pcs.		
4" Ø PVC Clean Out		pcs.		
Solvent Cement 400cc		cans		
			Sub Total.....	

13.3 Soil Pipe system

Description	Qty	Unit	Unit Cost	Amount
Supply and installation of PVC (Series 1000) pipe including fittings, sleeves, painting, supports, hangers, excavation, backfilling and other miscellaneous items as shown and as required to complete the system with testing and commisioning.				
6" Ø x 3m PVC Pipe S-1000		pcs.		
4" Ø x 3m PVC Pipe S-1000		pcs.		
6" Ø x 4" Ø PVC Wye		pcs.		
6" Ø x 2" Ø PVC Wye		pcs.		
4" Ø x 4" Ø PVC Wye		pcs.		
4" Ø x 3" Ø PVC Wye Reducer		pcs.		
4" Ø x 2" Ø PVC Wye Reducer		pcs.		
3" Ø PVC Elbow 45°		pcs.		
2" Ø PVC Elbow 90°		pcs.		
6" Ø PVC Clean Out		pcs.		
4" Ø PVC Clean Out		pcs.		
Solvent Cement 400cc		cans		
			Sub Total.....	

13.5 Water line System

Description	Qty	Unit	Unit Cost	Amount
PPR Waterline System				
Supply and installation of Polypropylene Random (PPR) pipe, including fittings, painting, sleeves, supports, hangers, Excavation, backfilling and other miscellaneous items as shown and as required to complete the system with testing and commisioning.				
20mm Ø x 4m PPR Pipe PN20		pcs.		
20mm Ø PPR Elbow		pcs.		
20mm Ø PPR End Cap		pcs.		
20mmØ PPR Tee		pcs.		

20mmØ x 1-1/2"Ø PPR Female Threaded Tee	pcs.	
20mm Ø PPR Coupling	pcs.	
20mmØ PPR Gate Valve	pcs.	
3/4" x 10m (Teflon Tape)	pcs.	
20mmØ PPR Female Union Patente	pcs.	
3/4" Ø PVC Male Adapter	pcs.	
	Sub Total.....	

13.6 Plumbing Fixtures and Accessories

Description	Qty	Unit	Unit Cost	Amount
Supply and installation of plumbing fixtures including fittings, supports and other miscellaneous items as shown and as required to complete the system with testing and commisioning.				
Water Closet w/ bidet & Complete Accessories		sets		
Lavatory Counter Top Type with Complete Accessories		sets		
Urinals Wall Hung Type with Complete Accessories		sets		
Shower		pcs.		
Stainless Steel Floor Drain 2" Ø		pcs.		
		Sub Total.....		
CONSUMABLES				
Pipe Support		lot		
		Sub Total.....		

13.6 Septic Tank

Description	Qty	Unit	Unit Cost	Amount
4" Ø PVC Clean-Out (Septic Tank)		pcs		
4" Ø PVC Wye		pcs		
4" Ø x 3m PVC Pipe S1000 (Septic Tank)		pcs		
40 kg Cement (Type I)		bags		
3/4" Gravel		cu.m.		
Washed Sand		cu.m.		
6" CHB		pcs		
4" CHB		pcs		
10mm Ø x 6m RSB (Grade 40)		pcs.		
Tie Wire No. 16		kg.		
4" x 8" x 3/4" thk. Phenolic Board		pcs.		
2" x 2" x 12" Coco lumber		bd.ft.		
Assorted Nails		kg.		
			Sub Total:	

Material Cost. . . . . .
Labor Cost. . . . . .
Direct Cost. . . . . .

15.0 ELECTRICAL WORKS

Description	Qty	Unit	Unit Cost	Amount
Materials				
24.A Panel Board				
Panel Board 12 Holes, Center Main, Three Phase Panel		set		
Main Distribution Panel -6Holes, Center Main, Three		set		
Fabricated Metal Gutter Box (1.2x0.30x0.3m)		set		
Sub-Total.				
24.B Circuit Breaker				
15 Ampere Trip, Bolt on Circuit Breaker, 2 Pole, 240Volts		pcs.		
20 Ampere Trip, Bolt on Circuit Breaker, 2 Pole, 240Volts		pcs.		
30 Ampere Trip, Bolt on Circuit Breaker, 2 Pole, 240Volts		pcs.		
100 Ampere Trip, Bolt on Circuit Breaker, 3 Pole,		pcs.		
150 Ampere Trip, Bolt on Circuit Breaker, 3 Pole,		pcs.		
Sub-Total.				
24.B Wires				
2.0mm² THHN Wire		boxes		
3.5mm² THHN Wire		boxes		
3.5mm² THHN Wire for Grounding		boxes		
5.5mm² THHN Wire		boxes		
5.5mm² THHN Wire for Grounding		boxes		
8.0mm² THHN Wire for Grounding		mts		
30.0mm² THHN Wire for Grounding		mts		
Sub-Total.				
24.C Conduits & Boxes				
20 mm dia uPVC Pipe (1/2"Ø)		pcs.		

BLANK BILL OF QUANTITIES

	25 mm dia uPVC Pipe (3/4"Ø)	pcs.
	50 mm dia uPVC Pipe (2"Ø)	pcs.
	20mm dia uPVC Straight Connector (1/2"Ø)	pcs.
	25 mm dia uPVC Straight Connector (3/4"Ø)	pcs.
	50 mm dia uPVC Straight Connector (2"Ø)	pcs.
	20mm dia Elbow (1/2"Ø)	pcs.
	25mm dia Elbow (3/4"Ø)	pcs.
	50 mm dia Elbow (1 1/2"Ø)	pcs.
	Mica Tube	mts
	4" x 4" Junction Box w/ cover	pcs.
	2"x4" Utility Box	pcs.
24.D		Sub-Total. . . . .
	Fixtures & Accessories	
	T8 LED light with single reflective recessed type casing	sets
	12W LED - pinlight surface type , round type	sets
	Ceiling/ orbit fan	sets
	Emergency lightT (Twin light)	sets
	Special Power outlet	sets
	Universal Convinience floor outlet	sets
	One Gang Switch	sets
	Two Gang Switch	sets
	Two Gang Three Way Switch	sets
	Three Gang Three Way Switch	sets
		Sub-Total. . . . .
24.E		
	Others	
	Concrete Pedestal	lot
	Pullbox	pc
	Solderless Connector 125MM	pc
	Electrical Tape (Big)	rolls
	Ground Rod 5/8" x 10' Copper	pc
	Ground Clamp 5/8" Copper	set
	Service Entrance Cap	set
	G.I. Tie Wire #16	kg
	KiloWatt-Hour, Three Phase, 3 Wire	set
	Rectangular Meter Base with complete accessories	set
		Sub-Total. . . . .
		Material Cost. . . . .
		Labor Cost. . . . .
		Direct Cost. . . . . .

16.0 WATER PROOFING WORKS

Description	Qty	Unit	Unit Cost	Amount
cementitious water proofing for (second floor slab, canopy,septic tank		sqm		
			Material Cost:	
			Labor Cost:	
			Total Item Cost:	

***** ***nothing follows*** *****

	Description		
1.0	*Total Material Cost*	P	-
2.0	*Total Labor Cost*	P	-
3.0	*Total Equipment Cost*	P	-
	TOTAL DIRECT COST	**P**	-

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

or

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

and

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

and

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

Technical Documents

☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid

This statement shall be supported with the following:

1. *Notice of Award*
2. *Notice to Proceed*
3. *Contract*
4. *Pictures; and*

☐ (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules

Note: This statement shall be supported with the following:

1. *Notice of Award*
2. *Notice to Proceed*
3. *Contract*
4. *Certificate of Completion*
5. *Certificate of Final Acceptance*
6. *Pictures;*

☐ (h) Philippine Contractors Accreditation Board (PCAB) License;

or

Special PCAB License in case of Joint Ventures;

and registration for the type and cost of the contract to be bid; **and**

☐ (i) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;

or

Original copy of Notarized Bid Securing Declaration; **and**

(j) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (Project Manager, Project Engineers, Materials Engineers, Safety Officer, Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**

☐ (k) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Documents/Materials to comply with other non-discretionary requirements such as:

1. Certificate/Affidavit of Site Inspection

Financial Documents

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

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

Class "B" Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

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

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

☐ (r) Cash Flow by Quarter.

Republic of the Philippines
PALAWAN STATE UNIVERSITY
BIDS AND AWARDS COMMITTEE
Puerto Princesa City

Part II

Additional Instructions to Bidders for the Preparation of the Bidding Documents for Infrastructure Projects

1. Folders must be **SOFT BOUND**, not just clipped or ring bound to avoid tearing-off the pages.
2. Documents must be prepared observing the following:
   (a) the size of documents must be in long bond size (8.5" x 13");
   (b) font size must be **not less than 10** and ARIAL type;
   (c) tabbing must be observed;
   (d) envelope must be properly sealed;
   (e) with spine label; and
   (f) the cover of bound documents must be **YELLOW**.
3. Documents must be arranged in the following order:
   (a) **Title Page** (showing the name, complete address and contact number/s of the construction firm, and title of the project); and
   (b) **Table of Contents**, with corresponding page number/s.

7.1. (c) **Eligibility Documents:**

i. Class "A" Documents
   A. Legal Documents (1 to 4)
   B. Technical Documents (1 to 3)
   C. Financial Documents (1 to 2)

ii. Class "B" Documents

4. If a required document is not applicable, write N.A. after the corresponding item number/s in the Table of Contents.
5. All the pages of the documents submitted must bear the **initial of the bidder** or his/her duly authorized representative.
6. Instructions in notes number one (1) to four (4) also apply to the Technical and Financial Proposals.
7. **Submit specimen signature (initial and full signature) with valid ID of the authorized representative to be enclosed as loose leaf in the technical proposal "Original Copy Only".**
8. **Erasures**, particularly in the Financial Proposal (Bid), **are not allowed**.

PALAWAN STATE UNIVERSITY
Tiniguiban Heights, Puerto Princesa City

PROJECT TITLE

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 _____.
(Name of the Owner) *(Civil Status)* *(Name of the Firm)* *(Address)*

- and -

_____, of legal age, _____, owner/proprietor of _____ a resident of _____.
(Name of the Owner) *(Civil Status)* *(Name of the Firm)* *(Address)*

That both parties agree to join together their capital, manpower, equipment, and other resources and efforts to enable the Joint Venture to participate in the Eligibility Check, Bidding and Undertaking of the hereunder stated Contract of the Palawan State University.

NAME OF PROJECT	CONTRACT AMOUNT

That both parties agree to be jointly and severally liable for the participation in the Eligibility Check, Bidding and Undertaking of the said contract.

That both parties agree that_____ and/or _____shall be the Official Representative of the Joint Venture, and are granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Joint Venture in the Eligibility Check, Bidding and Undertaking of the said contract, 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 Contracts until terminated by both parties.

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

PROJECT TITLE

FINANCIAL DOCUMENTS FOR ELIGIBILITY CHECK

A. Summary of the Applicant Firm's/Contractor's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped **"RECEIVED"** by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

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

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = K (current asset – current liabilities) minus value of all outstanding works under ongoing contracts including awarded contracts yet to be started

NFCC = P _____

K = 15

Herewith attached are certified true copies of the income tax return and audited financial statement: stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding year and the cash deposit certificate or certificate of commitment from a licensed bank to extend a credit line.

Submitted by:

_____
(Name of Firm / Contractor)

_____
(Signature of Authorized Representative)
Date : _____

NOTE: If Partnership or Joint Venture, each Partner or Member Firm of Joint Venture shall submit the above requirements

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

PALAWAN STATE UNIVERSITY
Tiniguiban Heights, Puerto Princesa City

PROJECT TITLE

STATEMENT OF AVAILABILITY OF KEY PERSONNEL

_____
(DATE)

_____
University President
Palawan State University
Puerto Princesa City

Attention : The Chairperson
Bids and Awards Committee

Dear Sir:

In compliance with the requirements of the Palawan State University – Bids and Awards Committee for the bidding of _____we certify that _____
(NAME OF THE BIDDER)
has in its employ key personnel, such as project managers, project engineers, materials engineers, safety officer and foremen, who may be engaged for the construction of the said contract:

NAME AND TITLE	DEGREE	YEARS WITH FIRM	AGE

Attached are their bio-data.
Very truly yours,

_____
(NAME OF FIRM/CONTRACTOR)

By:

_____
(NAME & SIGNATURE OF THE AUTHORIZED REPRESENTATIVE)

Position/Designation: _____

Date: _____

PALAWAN STATE UNIVERSITY
Tiniguiban Heights, Puerto Princesa City

PROJECT TITLE

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

Business Name : _____

Business Address: _____

PROJECT NAME	PROJECT COST	A. Owner Name B. ADDRESS C. Telephone Nos.	NATURE OF WORKS	BIDDERS ROLE		1. Date Awarded 2. DATE STARTED 3. DATE OF COMPLETION	% OF ACCOMPLISHMENT		VALUE OF OUTSTANDING WORK/UNDELIVERED PORTION
				DESCRIPTION	%		PLANNED	ACTUAL	
Government									
Private									
									Total Cost

Note: This statement shall be supported with the following:

1. Notice of Award
2. Notice to Proceed
3. Contract
4. Pictures

Submitted by: _____
(PRINTED NAME & SIGNATURE)

Designation: _____

PALAWAN STATE UNIVERSITY
Tiniguiban Heights, Puerto Princesa City

PROJECT TITLE

Date: _____

STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID, EXCEPT UNDER CONDITIONS PROVIDED UNDER THE RULES

Business Name : _____

Business Address: _____

Name of Contract	Owner Name Address Telephone Nos.	Nature of Work	Contractor's Role Description	%	Amount at Award Amount at Completion Duration	Date Awarded Contract Effectivity Date Completed
Government						
Private						
					Total Cost	

Note: This statement shall be supported with the following:

1. Notice of Award
2. Notice to Proceed
3. Contract
4. Certificate of Completion
5. Certificate of Final Acceptance
6. Pictures

Submitted by: _____
(PRINTED NAME & SIGNATURE)

Designation: _____
Date: _____

PALAWAN STATE UNIVERSITY
Tiniguiban Heights, Puerto Princesa City

PROJECT TITLE

LIST OF EQUIPMENT, OWNED OR LEASED AND/OR UNDER PURCHASE AGREEMENTS, PLEDGED TO THE PROPOSED CONTRACT

Business Name: _____

Business address: _____

Description	Model/Year	Capacity/Performance/ Size	Plate No.	Motor No./ Body No.	Location	Condition	Proof of Ownership/ Lessor or Vendor
A. Owned							
B. Leased							
C. Under Purchase Agreements							

List of minimum equipment required for the project:

Submitted by:

_____

(NAME OF FIRM/CONTRACTOR)

By

_____

(NAME & SIGNATURE OF THE AUTHORIZED REPRESENTATIVE)

PALAWAN STATE UNIVERSITY
Tiniguiban Heights, Puerto Princesa City

PROJECT TITLE

Position/Designation: _____

Date: _____

Omnibus Sworn Statement Form

[Note: The duly accomplished form shall be submitted with the Bid]

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

OMNIBUS SWORN STATEMENT

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

1. *Select one, delete the others:*

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

   - *If 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]*;

   - *If individual consultant not registered under a sole proprietorship, in case of Consulting Services:* I am the individual consultant or authorized representative of *[Name of Bidder]* with office address at *[Address of Bidder]*;

2. *Select one, delete the others:*

   - *If 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 *[Project Title]* of the *[Name of the Procuring Entity][insert* "as supported by the attached duly notarized Special Power of Attorney" *for authorized representative]*;

   - *If 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 *[Project Title]* of the *[Name of the Procuring Entity]*, as supported by the attached duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary's Certificate, whichever is applicable*;*

   - *If individual consultant not registered under a sole proprietorship, in case of Consulting Services:* As the individual consultant 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 *[Project Title]* of the *[Name of the Procuring Entity]*, as supported by the attached duly notarized Special Power of Attorney *for authorized representative*;

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;

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 others:*

   - *If sole proprietorship :* The *[Name of Bidder]* and its spouse are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), or the End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

   - *If partnership :* The partnership itself and the partners of ***[****Name of Bidder]* are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), or the End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

   - *If cooperative:* The cooperative itself and members of the board of directors, general manager, or chief executive officer of *[Name of Bidder]* are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), or the End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

   - *If corporation, or joint venture:* The corporation or joint venture itself, and officers, directors, controlling stockholders and beneficial owners of *[Name of Bidder]* are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

   - *If individual consultant not registered under a sole proprietorship, in case of Consulting Services:* The individual consultant and its spouse are not related by consanguinity or affinity up to the third civil degree to the Head of the Procuring Entity, Procurement Agent (if engaged), End-User or Implementing Unit, project consultants, head of the Project Management Office, or the members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat;

7. It is understood that failure to faithfully disclose its relationship with the Head of the Procuring Entity, members of the BAC, the TWG, and the BAC Secretariat, the head of the PMO or the end-user unit or implementing unit, and the project consultants of the Procuring Entity, or of the procurement agent by consanguinity or affinity up to the third civil degree, as well as its submission of beneficial

ownership information containing false entries shall be subject to blacklisting under Section 100 of the Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 12009, without prejudice to criminal and civil liabilities under applicable laws, including their accessory penalties, if any.

Select one, delete the rest:

- *In case of corporations: [Name of Bidder]* declares its beneficial ownership information consistent with its updated General Information Sheet or Beneficial Ownership Declaration Form or any other document duly submitted to the SEC and has maintained a valid and updated file therein in compliance with Sections 20.2.9.1, 81, and 82 of the IRR of RA No. 12009.

- *In case of Foreign Bidders: [Name of Bidder]* submitted an appropriate equivalent document in English issued by the country of the bidder concerned in accordance with Section 20.2.9.2 of the IRR of RA No. 12009.

8. *[Name of Bidder]* complies with existing labor laws and standards; and

9. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:

   a) Carefully examine all of the Bidding Documents;

   b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;

   c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and

   d) Inquire or secure Supplemental Bid Bulletin(s) issued for the *[Project Title]*.

10. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

11. In case advance payment was made or given to *[Name of Bidder]*, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability under existing laws.

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

Duly authorized to sign the Bid for and behalf of:

[Insert Bidder's Name]

[Affiant's Signature over Printed Name]
[Position/Designation]
[Date]

JURAT

SUBSCRIBED AND SWORN to before me this ____ day of *[month] [year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

WITNESS MY HAND AND SEAL this ___day of *[month] [year].*

NAME OF NOTARY PUBLIC
Notarial Commission No. _____
Notary Public for _____until _____
Roll of Attorneys No. _____
PTR No. __, *[date issued], [place issued]*
IBP No. __, *[date issued], [place issued]*

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

Bid Form for Procurement of Goods/Infrastructure Projects

[Note: The duly accomplished form shall be submitted with the Bid]

BID FORM

Project Identification No.: *[Insert number]*

To: [Name of Procuring Entity]

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

a. I/We have no reservation to the PBD, including the Supplemental Bid Bulletins, for the Procurement Project ***[****Project Title****]***;

b. Select one, delete the other

- I/We undertake to deliver the Goods in accordance with the delivery schedule in the Schedule of Requirements;

- I/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 discount offered below, is ***[*** *insert information]*

d. The discounts offered and the methodology for their application, if any, are: *[insert information*]; *or indicate N/A if no discount offered]*

e. The total bid price in words and figures, after applying the applicable discount, 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 in the *[Select one, delete the other:* the Price Schedules/ Detailed Estimates].

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

g. If our bid is accepted, I/we commit to enter to a contract and provide a performance security in the form, amounts, and within the times prescribed in the PBD, and hereby acknowledge the consequences under the IRR of RA No. 12009 on forfeiture of Bid Security or enforcement of Bid Securing Declaration and on Blacklisting.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon the Bidder.

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

I/We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[Name of the Bidder]* as evidenced by the attached *[State the Written Authority]*.

I/We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Duly authorized to sign the Bid for and behalf of:

[Insert Bidder's Name]

[Signature over Printed Name]
[Position/Designation]
[Date]

Bid Securing Declaration Form

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

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

BID SECURING DECLARATION

Project Identification No.: *[Number]*

To: *[Insert name 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;

   [Insert paragraph for Unsolicited Offer with Bid Matching]

   I/We understand that upon conferment of the original offeror status under Section 30.6 of the Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 12009, the offeror shall submit a Bid Securing Declaration within ten (10) days from the receipt of the certificate of conferment;

2) Select one, delete the other:

   - I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any Procuring Entity upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under 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 52.2 (a), 63.2, 69.1 and 100, except 100.3 (c),of the IRR of Republic Act No. 12009; without prejudice to other legal action the government may undertake; and

   (For Unsolicited Offer with Bid Matching)

   - I/We accept that: I/we will be automatically disqualified from any procurement opportunity of the Procuring Entity for a period of one (1) year on the first offense, two (2) years on the second offense, and perpetually on the third offense 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;

[Insert this paragraph for Unsolicited Offer with Bid Matching]

b) Upon contract award and the LCCRB is not the original offeror; or

c) I am/we are declared the bidder with the *[Insert Award Criterion[1]]* 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]*.

Duly authorized to sign the Bid for and behalf of:

[Insert Bidder's Name]

[Signature over Printed Name]
[Position/Designation]
[Date]

JURAT

SUBSCRIBED AND SWORN to before me this ____ day of *[month] [year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

WITNESS MY HAND AND SEAL this ___day of *[month] [year].*

NAME OF NOTARY PUBLIC
Notarial Commission No. _____
Notary Public for _____until _____
Roll of Attorneys No. _____
PTR No. __, *[date issued], [place issued]*
IBP No. __, *[date issued], [place issued]*

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

NAME OF THE PROJECT:			
LOCATION :			
SUMMARY OF UNIT PRICES			
	PARTICULARS	UNIT	UNIT PRICE
1 .0 MATERIALS			
2.0 LABOR RATES			
3.0 EQUIPMENT RENTAL			

Prepared by: