Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

BAGONG PILIPINAS

REQUEST FOR QUOTATION

CONSTRUCTION OF FARMHOUSE IN SLSU SAMPALOC SITE (PRODUCTION)

Purchase Request No. 2025-07-2052
Approved Budget for the Contract: ₱ 500,000.00

The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Construction of Farmhouse in SLSU Sampaloc Site (Production)** to apply the sum of **Five Hundred Thousand Pesos Only (₱ 500,000.00) inclusive of VAT,** being the **Approved Budget for the Contract (ABC),** details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Construction of Farmhouse in SLSU Sampaloc Site

1. The quotation-n must be submitted (can also be send thru email at the contact details listed below) or to the Office of the Procurement Office/Bids and Awards Committee, Southern Luzon State University, 2nd Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : *slsuprocurement@slsu.edu.ph*

2. The SLSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/ informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. Southern Luzon State University SLSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.

MARIDEL C. ZABELLA
Director, Procurement Office
Southern Luzon State University
Lucban, Quezon
Tel. No.: (042)540-6519

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

REQUEST FOR QUOTATION

Office/End-User:	**Production**	**Date:**	
COMPANY NAME:		**PR No.:**	**2025-07-2052**
ADDRESS :			
TEL. NO./FAX NO. :		**TIN No.:**	

Please quote your lowest price on the item(s) listed below, subject to the Terms & Conditions stated below and submit your quotation duly signed by your representative not later than _____ of _____ in the return envelope attached herewith to the Procurement office.

TERMS and CONDITIONS
1. *All entries must be typewritten or legibility written.*
2. *Delivery period within _____ upon conforme of the approved Purchase Order (P.O). Administratitive penalties to Sec. 69 of the Revised IRR-RA 1984 shall be imposed for non-delivery without valid reason.*
3. *Warranty shall be for a minimum of three (3) months for Supplies & Materials; (1) one year for Equipment from date of acceptance by the end-user.*
4. *Price validity shall be for a period of sixty (60) calendar days.*
5. *Suppliers required to submit updated documents yearly such as G-EPS Resgistration, Certificate of Tax, Mayor'sPermit, DTI, Bank Name/Account and Branch for evaluation of the Procurement Office upon submission of the quotation.*
6. *Bidders shall submit complete specifications showing products certification, if applicable.*
7. *Please indicate the brand for each items being offered.*
8. *The Approved budget celling for this procurement is PHP 500,000.00 .*

MARIDEL C. ZABELLA
Director, Procurement Office

Item #	Qty.	Unit	ITEM/S DESCRIPTION	Unit Price	Total Cost
	1	lot	Construction of Farmhouse in SLSU Sampaloc Site		

Source of Fund: **PRE STF**
Delivery Period:

Warranty:
Price Validity:

After having carefully need & accepted your Genaral Conditions, We quote you on the item(s) at prices note above. If the space of providec on the Delivery Period, Warranty & Price Validity are left blank, it means that I concur w/ the Terms & Conditions specified by SLSU Procurement Office.

_____
Printed Name/Signature/Date

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Planning and Development Office
Lucban , Quezon

PROJECT TITLE: Construction of Farmhouse in SLSU Sampaloc Site
PROJECT LOCATION: SLSU Sampaloc, Quezon
OWNER : Southern Luzon State University
ABC : P 500,000.00
PROJECT DURATION : 45 CD

SUMMARY

ITEM	DESCRIPTION	COST OF MATERIALS	COST OF LABOR AND EQUIPMENT	TOTAL
I	General Works			
II	Earthworks			
III	Reinforced Concrete Works			
IV	Masonry Works			
V	Form Works and Scaffolding			
VI	Doors and Windows			
VII	Plumbing & Sanitary			
VIII	Roofing Works			
IX	General Finishes			
			TOTAL ESTIMATED DIRECT COST P	
INDIRECT COST			*OVERHEAD, CONTINGENCIES & MISC.(OCM)* P	
			CONTRACTOR'S PROFIT P	
			VALUE ADDED TAX (VAT) P	
			TOTAL PROJECT COST P	

TOTAL PROJECT COST IN WORDS : _____

_____

CONTRACTOR / BIDDER : _____

26-Jun-25

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Planning and Development Office
Lucban , Quezon

PROJECT TITLE: Construction of Farmhouse in SLSU Sampaloc Site
PROJECT LOCATION: SLSU, Sampaloc Quezon
OWNER : Southern Luzon State University
MODE OF IMPLEMENTATION : by Contract
PROJECT DURATION: 45 CD

BILL OF MATERIALS

I. General Works (General Requirements)				
Quantity	Unit	Description	Unit Cost	Total Cost
1	lot	Mobilization / Demobilization		
1	lot	Project Identification & Signs, Tarpaulin w/ marine		
		plywood backing		
1	lot	Temporary Facilities and Enclosure		
1	lot	Water Supply Allowance		
1	lot	Soil Poisoning		
1	lot	Safety Program & Policy		
1	lot	Material Testing		
			Sub - Total	P

II. Earthworks				
Quantity	Unit	Description	Unit Cost	Total Cost
	cu.m.	Earthfill/backfill		
	sq.m	Clearing and Grubbing		
1	lot	Hauling and Disposal		
1	lot	Compaction and Grading		
	cu.m.	Excavation		
1	lot	Consumables		
			Sub - Total	P

III. Reinforced Concrete Works (3000 psi)				
Quantity	Unit	Description	Unit Cost	Total Cost
	bags	Portland Cement		
	cu.m.	Sand S1		
	cu.m.	Gravel 3/4"		
	pcs	16mm dia RSB x 6m		
	pcs	12mm dia RSB x 6m		
	pcs	10mm dia RSB x 6m		
	kgs	G.I. Tie Wire #16		
1	lot	Consumables		
			Sub - Total	P

IV. Masonry Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	CHB 5"		
	bags	Portland Cement		
	cu.m.	Sand		
	pcs	10 mm dia RSB x 6m		
	kgs	G.I. Tie Wire #16		
1	lot	Consumables		
			Sub - Total	P

V. Form Works and Scaffolding Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	bd.ft	Coco lumber		
	pcs	1/2"x4'x8' Phenolic Board		

	kg	Assorted Nails		

Sub - Total P

VI. Doors and Windows				
Quantity	Unit	Description	Unit Cost	Total Cost
	sets	Toilet Flush doors		
	sets	Glass Windows in aluminum powder coated frame		
		with 6mm thk clear glass (400x600)		
1	lot	Consumables		

Sub - Total P

VII. Plumbing and Sanitary Works (Sanitary and waterline works)				
Quantity	Unit	Description	Unit Cost	Total Cost
1	lot	*Septic Tank*		
	pcs	4" CHB		
	bags	Portland Cement		
	cu.m	Gravel 3/4"		
	cu.m	Sand		
	pcs	10mm dia RSB		
	kgs	GI Tie Wire #16		
	pcs	4" PVC Clean Out		
1	lot	*Drainage Line*		
	pcs	PVC Pipe 4" (drainage pipe)		
	pcs	PVC Wye 4"x4"		
	pcs	PVC Elbow 4" x 45 deg.		
	pcs	PVC Elbow 4" x 90 deg.		
	pcs	4" PVC Clean Out		
	pcs	PVC Tee 2" x2" dia.		
	pcs	P-trap		
	pcs	PVC Wye 2"x4"		
	pcs	PVC Tee 4"x4"		
	can	PVC Solvent Cement		
	ltrs	Vulcaseal		
1	lot	*Waterline*		
	pcs	1/2" x 3.0m uPVC Pipe		
	pcs	1/2" PPR Elbow		
	pcs	1/2" PPR Tee		
	pcs	1/2" PPR Male Adaptor		
		Others		
	pcs	Stainless Steel Floor Drain		
1	lot	Consumables		

Sub - Total P

VIII. Roofing Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	Channel 2" x 4" x 3/16" thk x 6M		
	pcs	C Purlins 2" x 3" x 1.2mm thk x 6m long		
	ln. m.	3' wide Corrugated Sheets		
	liters	vulcaseal		
	pcs	1/2" thk x 12" x 8' Fascia Board		
	pcs	GI Plain Sheets 4' x 8'		
1	lot	Consumables (teks screw, welding rods etc)		

Sub - Total P

IX. General Finishes				
Quantity	Unit	Description	Unit Cost	Total Cost
1	lot	Red Primer (other consumables)		

Sub - Total P

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Lucban, Quezon

PROJECT TITLE: Construction of Farmhouse in SLSU Sampaloc Site
PROJECT LOCATION: SLSU Sampaloc, Quezon
OWNER: Southern Luzon State University
PROJECT DURATION: 45 Calendar days

SCOPE OF WORKS

I. GENERAL WORKS

- Mobilization / Demobilization
- Project Identifications, Signs and Building Permit
- Soil Poisoning
- Material Testing
- Safety Program & Policy

II. EARTHWORKS

- Clearing & Grubbing
- Excavation
- Gravel Bedding
- Earthfill & Backfill

III. REINFORCED CONCRETE WORKS

- Concreting of all Structural elements as plan, Following NSCP Standard

IV. MASONRY WORKS

- Laying of concrete hollow blocks with even textures and well defined edges, all masonry works shall provide with 10mm diameter reinforcing bars.
- Masonry finishes shall be smooth plaster finish unless otherwise specified.
- Plastering of both faces of walls as per standard and minimum thickness as required.
- Finish shall be smooth.

V. FORMWORKS and SCAFFOLDINGS

- The works include the construction and installation of formworks and scaffoldings. Fabrication of column/beam forms and erection of forms and scaffolding and dismantling/stripping of forms.

VI. DOORS & WINDOWS

- The contractor shall provide all the windows, window jamb and other materials needed as specified in the drawing plans and specifications. And 2 wooden flush doors as specified on plans.
- All locks and handles should be heavy duty and subject for approval of the Project Architect/Engineer.

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VII. PLUMBING & SANITARY WORKS

- All plumbing works included herein shall be executed according to the provision of the National Plumbing Code of the Philippines, National Building Code and the rules and regulation of the city/province.
- Supply and installations of sanitary and plumbing fixtures.
- Supply & installations of sewer pipe line and water drain.
- Construction of septic tank.
- All materials and equipment to be installed shall be approved quality and should be presented to Southern Luzon State University/Representative Engineer for approval prior to installation.
- All materials shall be new and shall conform to the reference Code and Standard. Use of materials shall furfure be governed by other requirements, imposed on the specification. Materials shall be subjected to test, if necessary, for their fitness if so required.

VIII. ROOFING WORKS

- Weld all shop assembled connections continuous without undercut and distortion of rafter.
- Grind and or dress exposed welds smooth and flush to corner or fillet without weakening the connections.
- Splices and expansion joints shall utilize internal splice connectors with set screws to allow for expansion over ambient temperature change.
- Roofing materials to be installed shall be brand new and must conform with specifications according to plans or approved equivalent by the supervising engineer.

IX. GENERAL FINISHES

- All masonry should be plastered finished.
- Primer painting of all steel materials such as C-Purlins, Channel Bar after or before the fabrication.

Note: *The Infrastructure of the University strictly adhere with the policy and mandates of gender and development (CHED Memo No. 1 series 2015)*

Prepared by:

IMELDA B. VILLAFLOR
Asst. Planning Engineer

Reviewed by:

ENGR. JOEL E. MORALES
Planning Development Officer I

Recommending approval:

ENGR. MELVIN A. MAKIPAGAY
Dir.-Project Management Office

Approved by:

DR. FREDERICK T. VILLA
University President

Republic of the Philippines
Southern Luzon State University
Planning and Development office
Lucban, Quezon

PROJECT TITLE: Construction of Farmhouse In SLSU Sampaloc Site
PROJECT LOCATION: SLSU Sampaloc, Quezon
OWNER: Southern Luzon State University
PROJECT DURATION: 45 Calendar days

SPECIFICATIONS OF MATERIALS AND FINISHES

GENERAL

- All applicable provisions of the different divisions of the Specifications for each work shall apply for all items cited in this schedule.
- Discrepancy arising from this section of the Contract Documents must be brought to the attention of the owner or representative Architect/Engineer whose decision shall be final.
- Materials deemed necessary to complete the works but not specifically mentioned in the Specification, Working Drawings or in the Contract Document shall be supplied and installed or applied in a workmanlike manner at prescribed or appropriate locations following the Standard practice of Civil Engineering, National Building Code of the Philippines and Construction Procedures.
- All items with specified approved brand, manufacturer, supplier, fabricator, trademark, and the like shall be strictly followed.
- The Contractor shall coordinate the work with the Project Management Office to expedite the implementation of the project.
- The Contractor shall supply all finishing accessories and furnishing fixtures as maybe approved by the power or representative and shall be installed by the Contractor whenever required by the Owner or the Representative.

I. GENERAL WORKS

Mobilization / Demobilization

- Mobilization shall include all activities and associated costs for transportation of Contractor's personnel, equipment, and operating supplies to the site; establishment of the temporary field offices and other necessary general facilities for the Contractor's operations at the site; premiums paid for the performance and payment bonds, including co-insurance and re-insurance agreements as applicable.

- Demobilization shall include all activities and costs for transportation of personnel, equipment, and supplies not required or included in the contract from the site; including the disassemble, removal and the site cleanup of temporary offices and other facilities assembled on the site specifically for this contract.

Construction Safety and Health Program

- This item includes provision of the safety gadgets (belt, goggles, hard hat, working uniform and safety shoes) for all workers on the hard hat area.

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II. EARTHWORKS

- **Earth fill/Backfill** – excavation shall be backfilled and filling materials shall be made in layers not to exceed 15 centimeters and thoroughly tamped before the next fill is placed.
- **Gravel Bedding** –All gravel bedding shall be tamped by a plate compactor or any tampering equipment to make it compact.
- **Demolition of Old Structure** – All existing Structure within the site of construction shall be demolished and all the debris and material shall be placed where the SLSU Project engineer instructed.
- **Compaction and Grading** – All Exterior grades and compaction shall be formed in accordance with the drawings and specifications.
- **Excavation** – The Contractor shall make all necessary excavation for foundations, footing tie beam to establish grades indicated in the drawings and plans.

    1. Implementing and adequate method of excavation, and adhering to safe work sequences and proper standards of workmanship in connection therewith.
    2. Providing adequate protection of all excavation from collapse and subsidence of adjacent ground and properties.
    3. The safety and integrity of the adjacent properties of the permanent works.
    4. All concrete works shall have a minimum of 4" or 100mm thick of gravel bedding or as planned.

Site Clearing and Hauling

- This Specification is to be read in conjunction with the Conditions of Contract, scope of work and Drawings. Where Works are ordered to be performed by the Contractor, but are not specified in the Specification, the Contractor, must carry them out with full diligence and expedience as are expected for Works of that nature.
- As prior to the construction of the project, necessary clearing and grading shall be done by the contractor.
- **Trimming and Pruning of Trees** – Trimming and pruning of branches of Trees that directly affected the building construction shall be made effectively including hauling of unsuitable materials.
- All trees affected shall be removed approved by the owner or representative Architect/Engineer.

III. REINFORCED CONCRETE WORKS

- Cement shall conform to Portland Cement ASTM C150.
- Concrete aggregates shall conform to ASTM C33 except the aggregates failing to meet these specifications but which have produced concrete to adequate strength and durability maybe used to the approval of the Civil Engineer.
- Water used in mixing concrete shall clean and free from injurious amounts of oil, acids, alkalis, salts, organic materials or other substances deleterious to concrete or steel.
- Reinforcing steel bars shall conform to ASTM A615
- Admixtures to be used in concrete shall be subject to prior approval by the Structural Engineer.
- Cement and aggregates shall be stored in such a manner as to prevent their deterioration or the intrusion of foreign matters.

- Concrete cylinder samples for strength tests of each class of concrete shall be taken in min of 3 concrete samples. The cylinder samples for strength test shall be taken cured and tested in accordance with ASTM C 172, ASTM C31 and ASTM C 39.
- Acceptance of concrete
  Concrete poured will be considered satisfactory if the average of all set of these consecutive strength test results equal or exceeds the required fc' and not individual strength test falls below the required fc' by more than 4000psi.
- Mixing of concrete
  All concrete shall be mixed until there is uniform distribution of the materials and be discharges completely before the mixer is recharged.
- Conveying of concrete
  Concrete shall be conveyed from the mixer to the place of the final deposit by methods that will prevent the separation or loss of materials.
- Depositing of concrete
  Concrete shall be deposited as nearly as practicable in its final position to avoid segregation due to the re handling or flowing.
- Curing
  Concrete shall be maintained in a moist condition for at least 7 days after placing.

IV. MASONRY WORKS

- Unless otherwise specified, the vertical reinforcement shall be 10mm dia at 600mm o.c for all thickness and horizontal reinforcements for CHB shall be 10mm at every 3 layer of CHB. Lap splices shall be 300 long (Minimum).
- CHB of good quality shall be use to ensure strength of wall.
- Plastering of walls shall not be less than 15mm and not to exceed 32mm. must be smooth finished.

V. FORM WORKS AND SCAFFOLDINGS

- All formworks shall be formed, that columns and beams, and all other structure that needs form work, with quality to ensure smooth concrete pours.
- Ensure strength and safety in supports and scaffolding.

VI. DOORS & WINDOWS

- This covers security standards for external door sets. A Specification that covers the whole door (or window) set rather than its individual components, doors and windows should comply with this basic minimum- security standard. This covers security standard for external door sets and windows. A specification that covers the whole door or window set rather than its individual components, door and windows should comply with this basic minimum - security standards.

VII. PLUMBING & SANITARY WORKS

- All plumbing works included herein shall be executed according to the provisions of the National Plumbing Code, National Building Code and the Rules and Regulations of the City/Province.

- Use PPR Pipes and fittings of approved size and quality for water lines.
- Use PVC pipes and fittings (Neltex or approved equivalent) for sanitary and sewer lines.
- The drawings are not intended to show every pipe, fittings, valves and appliances. All such item whether specifically mentioned or not, or indicated on the drawings shall be finished and installed if necessary to complete the system in accordance with the best practice of the Plumbing Trade and to the satisfaction of the Owner/Representative.
- All materials to be used shall be new and shall conform to the Reference Code and Standards. Use of materials shall further be governed by other requirements, imposed on other section of these specifications. Materials shall be subject to test necessary for their fitness if so required.
- The Contractor shall furnish all materials, labor and equipment necessary for the installation of all water lines, and sewer lines.
- All materials and equipment to be installed shall be of approved quality and should be presented to Southern Luzon State University/Representative Architect/Engineer for approval prior to installation.
- All works shall be done under direct supervision of a Licensed Master Plumber.

VIII. ROOFING WORKS

- All roof framing materials using C-Channel, C-purlins, Angle bars and other materials necessary and specified on the detailed drawings must be provided by the contractor.
- Metal roof truss must be welded together, welded to purlins, and welded to wall reinforcements to strength.
- Roofing sheets must be installed correctly considering the 2 ½ side lapping and the end lapping of .25m for wind resistance and waterproof. Use minimum 26 gauge (0.48mm) thick metal sheets.
- Materials shall be supplied by approved manufacturer. The items supplied shall be free from cracks, edges or corners or other damages. Storage and safety precautions shall be taken to avoid damages of the accessories.
- The Contractor shall supply and install all required accessories and supports to complete the work.
- All other accessories that are not specified but are necessary in the construction of the project shall be supplied and install by the contractor.
- The Contractor shall provide all required deliveries and handling as necessary for delivery and site distribution and handling to complete the work.
- The Contractor shall ensure that all steel shall be free from excessive rust to the satisfaction of the Owner's Structural Engineer and the Construction Manager.
- Weld all shop assembled connection continuous without undercut and or distortion of materials.
- Grind and or dress exposed welds smooth and flush to corner or fillet without weakening connection.
- Lightly sand and blend with fine grit paper all light scratches prior to finishing.
- Splices and expansion joints shall utilize internal splice connection with set screws to allow for expansion over ambient temperature change.
- Shop fabricate in greatest possible lengths to eliminate field splicing, but not to exceed 20'-0" in length.
- Form bends to uniform radius, free of distortion, twists, cracks and grain separation.
- Provide post inserts where required due to loading with long post spans.

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Lucban, Quezon

IX. GENERAL FINISHES

- All masonry should be plastered finished.
- Primer painting of all steel materials such as C-Purlins, Channel Bar after or before the fabrication.

Prepared by:

IMELDA B. VILLAFLOR
Asst. Planning Engineer

Reviewed by:

ENGR. JOEL E. MORALES
Planning Development Officer I

Recommending approval:

ENGR. MELVIN A. MAKIPAGAY
Dir. Project Management Office

Approved by:

DR. FREDERICK T. VILLA
University President

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GENERAL WORKS

1. Supply, fabrication, installation and construction of materials.
2. Supply of skilled manpower and equipment to finish the works.
3. The contractor is responsible for the contractor-owned tools and equipment at all times.
4. The contractor is responsible for the scaffolding and necessary tools need in the project.
5. All works to be completed is in accordance with current practices
6. All works to be completed is in accordance with the design and specification.
7. The contractor is responsible for disposal/transfers of waste/demolished materials into the proper location.
8. The contractor shall submit a sample material; it is subject to evaluation against owner specification or standard specification.
9. Some materials are subjected for testing and approval prior to installation.
10. The contractor should implement this project. The University strictly adheres with the policies And mandates of Gender and Development (GAD-CHED Memo No.1 series 2015).
11. The contractor is responsible to secure building permit for the construction of the project and obtain occupancy permit after completing the project as part of turn over to the University (SLSU).
12. Responsible to include and submit the PERT-CPM of the whole Construction Project as part of the bid document that will serve as banish accomplishment.
13. Cleaning of the area.
14. SLSU shall provide the monitoring engineer for the supervision of the project.
15. The contractor shall ensure that no damage of any kind is done to the university during the execution of the work. In case of any damage done by the contractor the same shall to be rectified or compensated by the Contractor at his own cost and time.
16. It shall be clearly understood that all the above works together with all incidental works to complete the works whether mentioned or not shall be deemed to have been included in the Scope of Works.
17. All works to be completed within 45 calendar days.

Prepared by:

IMELDA B. VILLAFLOR
Asst. Planning Engineer

Reviewed by:

ENGR. JOEL E. MORALES
Planning Development Officer I

Recommending approval:

ENGR. MELVIN A. MAKIPAGAY
Dir. Project Management Office

Approved by:

DR. FREDERICK T. VILLA
University President

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PROJECT TITLE: Construction of Farmhouse In SLSU Sampaloc Site
PROJECT LOCATION: SLSU Sampaloc, Quezon
OWNER: Southern Luzon State University
PROJECT DURATION: 45 Calendar days

TECHNICAL PERSONNEL AND EQUIPMENT

QUANTITY	TECHNICAL PERSONNEL
1	Project Manager/ Project Engineer
1	Foreman
2	Skilled Worker
2	Laborers

QUANTITY	EQUIPMENT
1 unit	Welding Machine
1 unit	Cut -Off Machine
1 unit	Drilling Tools / Machine
1 unit	Cutting Tools / Machine

Prepared by:

IMELDA B. VILLAFLOR
Asst. Planning Engineer

Reviewed by:

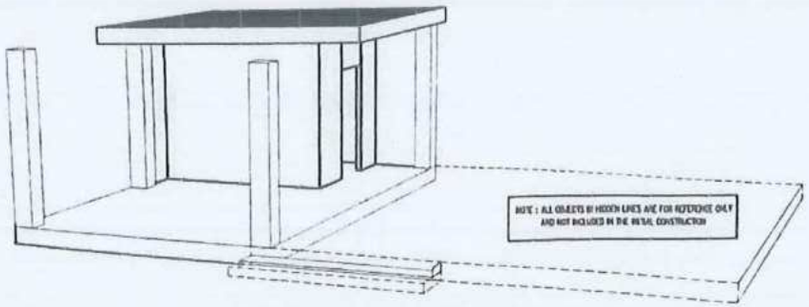
ENGR. JOEL E. MORALES
Planning Development Officer I

Recommending approval:

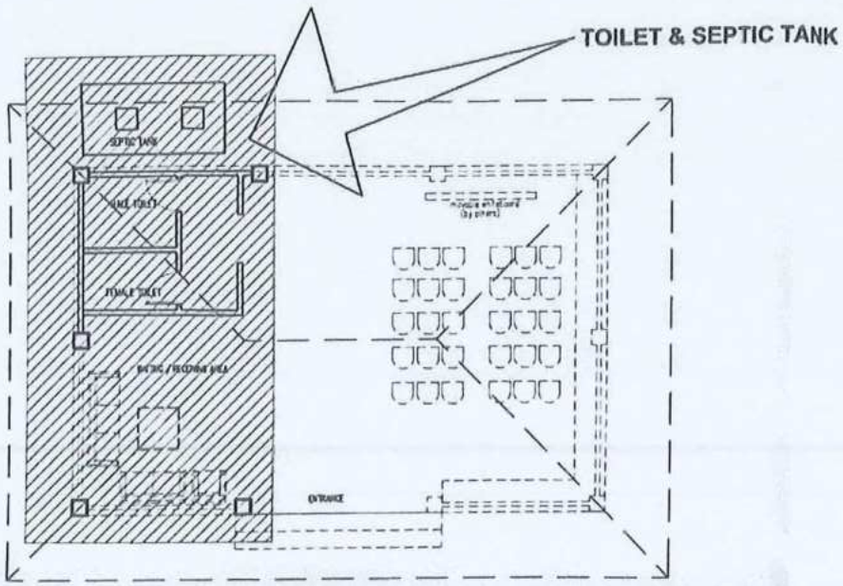
ENGR. MELVIN A. MAKIPAGAY
Dir. Project Management Office

Approved by:

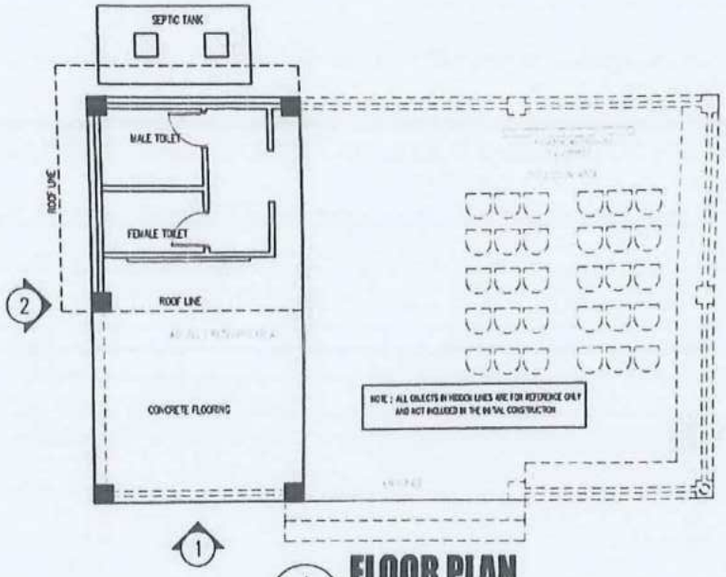
DR. FREDERICK T. VILLA
University President



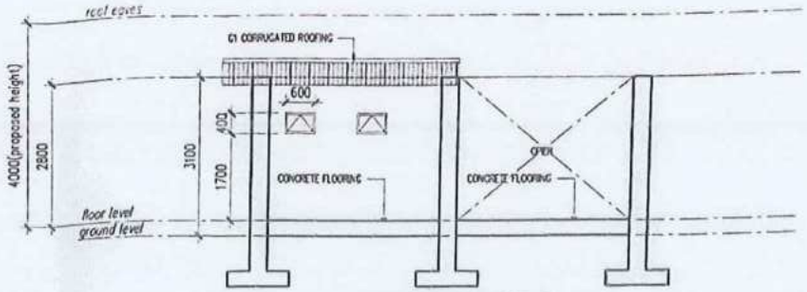
PERSPECTIVE



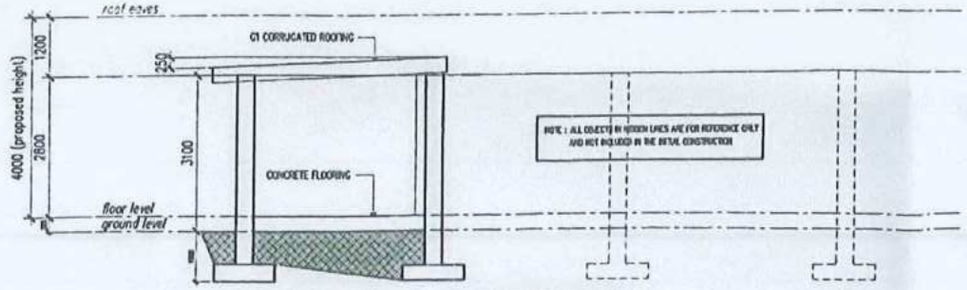
CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY:	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NO.
	CONSTRUCTION OF FARMHOUSE In SLSU SAMPALOC SITE	MELDA B. VILLALOR ASSISTANT PLANNING ENGINEER	ENGR. JOEVIE E. MORALES PLANNING DEVELOPMENT OFFICER I	ENGR. MELVIN A. MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	PERSPECTIVE SITE DEVELOPMENT PLAN	A-1 01 03



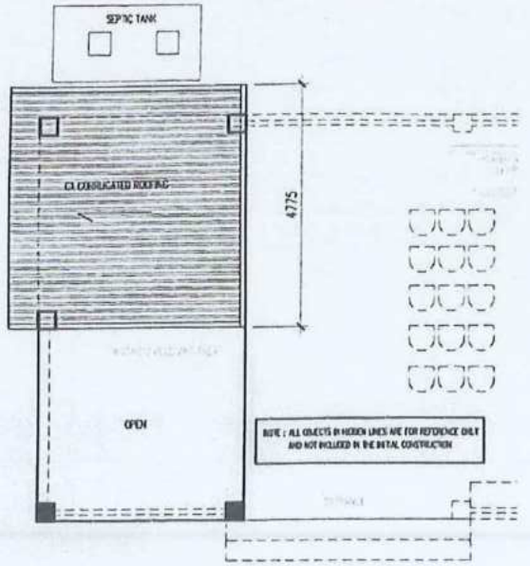
1 / A-2 **FLOOR PLAN**
SCALE 1 : 100



3 / A-2 **ELEVATION 2**
SCALE 1 : 100



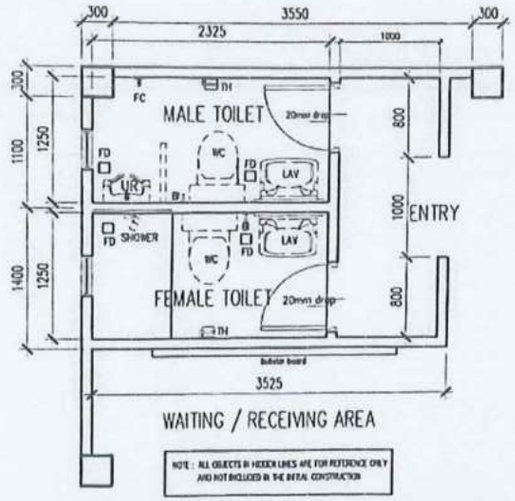
2 / A-2 **ELEVATION 1**
SCALE 1 : 100



4 / A-2 **ROOF PLAN**
SCALE 1 : 100

CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY	SHEET CONTENTS
	CONSTRUCTION OF FARMHOUSE In SLSU SAMPALOC SITE	IMELDA B. VILLAFLOR	ENGR. JOEL B. MORALES	ENGR. MELVIN A. MAKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	FLOOR PLAN; ELEVATIONS; ROOF PLAN

SHEET NO: A-2 (02 | 03)



1 / A-3 **TOILET DETAILED FLOOR PLAN**

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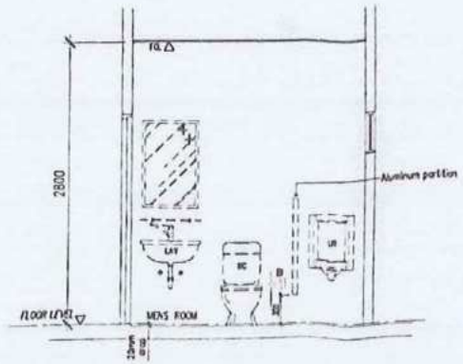

2 / A-3 **MALE TOILET SECTIONAL ELEVATION**

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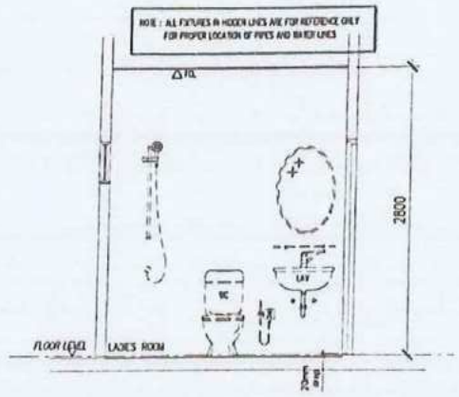

3 / A-3 **FEMALE TOILET SECTIONAL ELEVATION**

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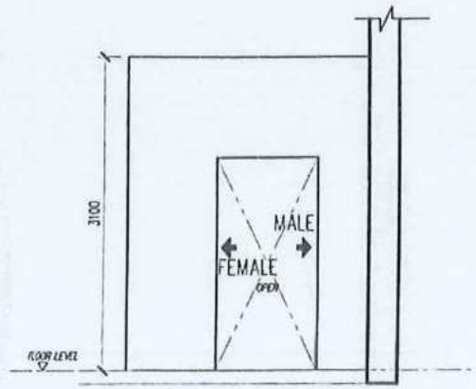
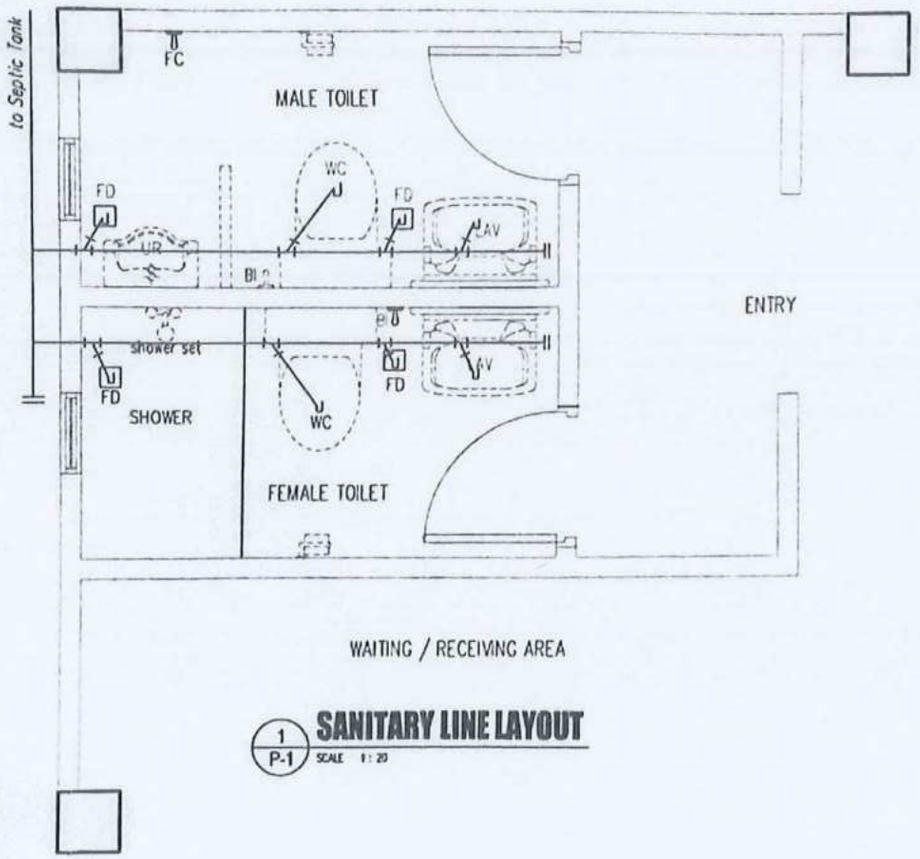


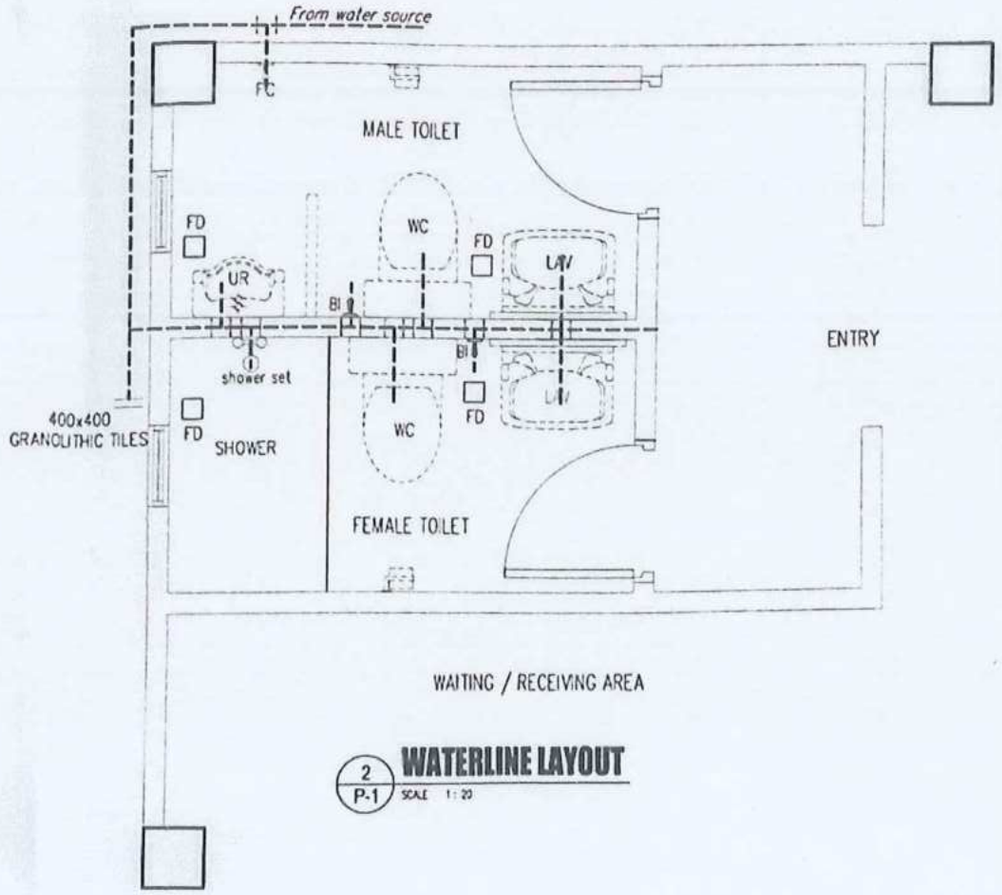
4 / A-3 **OUTSIDE TOILET ELEVATION**

SCALE 1 : 50

CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NO
	CONSTRUCTION OF FARMHOUSE in SLSU SAMPALOC SITE	ENGR. MELLIVA B. VILLAFLOR, ASSISTANT PLANNING OFFICER	ENGR. JOEL E. MORALES, PLANNING AND DEVELOPMENT OFFICER	ENGR. MELVIN A. MAKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	REFERENCE PLAN AND ELEVATION; TOILET PLAN AND ELEVATIONS	A-3
	ADDRESS: SLSU CAMPUS SAMPALOC, QUEZON						03 | 03

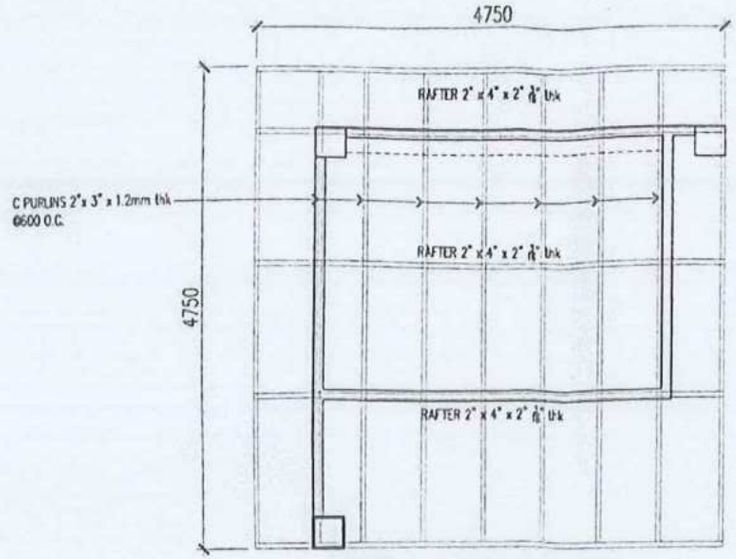


1 / P-1 **SANITARY LINE LAYOUT**
SCALE 1:20



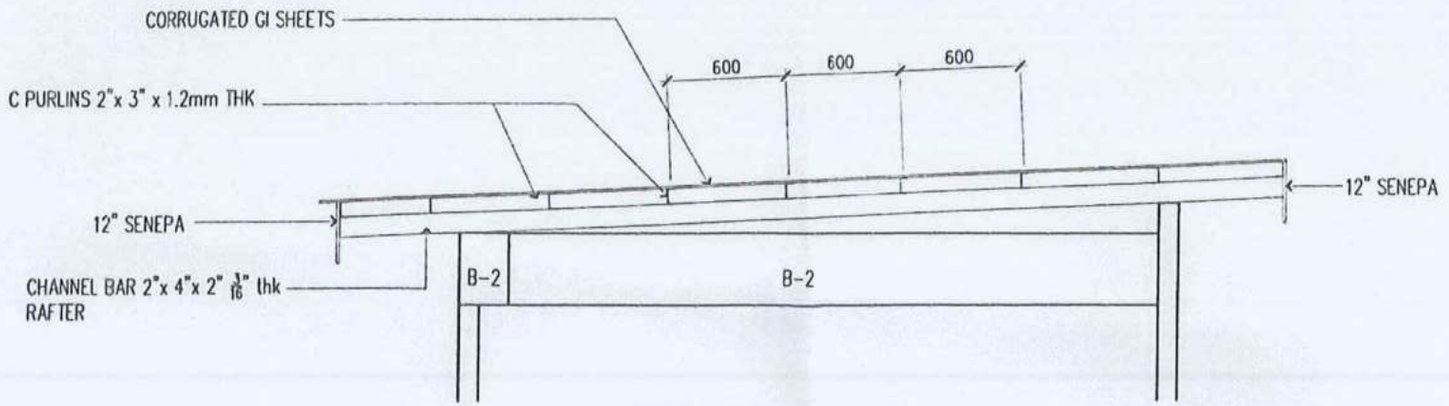
2 / P-1 **WATERLINE LAYOUT**
SCALE 1:20

CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NO
	CONSTRUCTION OF FARMHOUSE In SLSU SAMPALOC SITE	ENGR. BIELDA B. VILLAFLOR	ENGR. JOEL E. MORALES	ENGR. MELVIN A. MAKIPAGAY, DIRECTOR PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	TOILET SANITARY & WATERLINE LAYOUT	P-1 (01 / 02)



1 / S-3 ROOF FRAMING PLAN

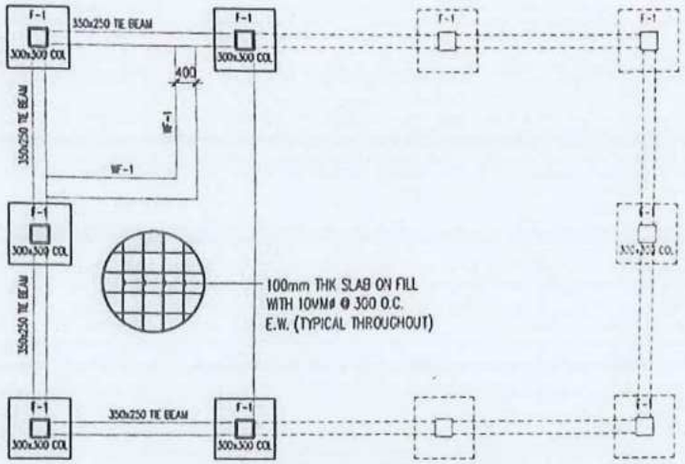
SCALE 1 : 50



2 / S-3 RAFTER DETAILS

SCALE 1 : 25

CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NO
	CONSTRUCTION OF FARMHOUSE In SLSU SAMPALOC SITE	IMELDA B. VILLAFLOR	ENGR. JOEL E. MORALES	ENGR. MELVIN A. MACIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA	ROOF FRAMING PLAN RAFTER DETAILS	S-3 02 03

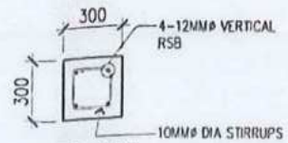


1
S-2

FOUNDATION PLAN

SCALE 1:100

NOTE : ALL OBJECTS IN HIDDEN LINES ARE FOR REFERENCE ONLY AND NOT INCLUDED IN THE INITIAL CONSTRUCTION



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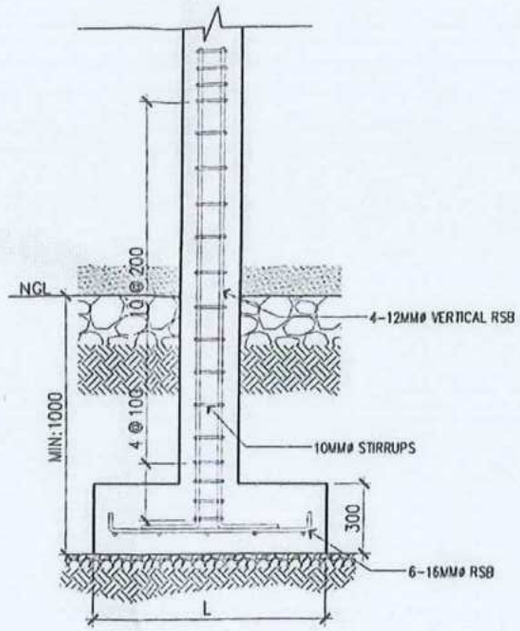
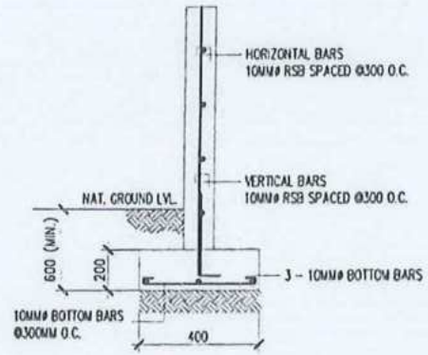


SECTION



WF-1 SECTION

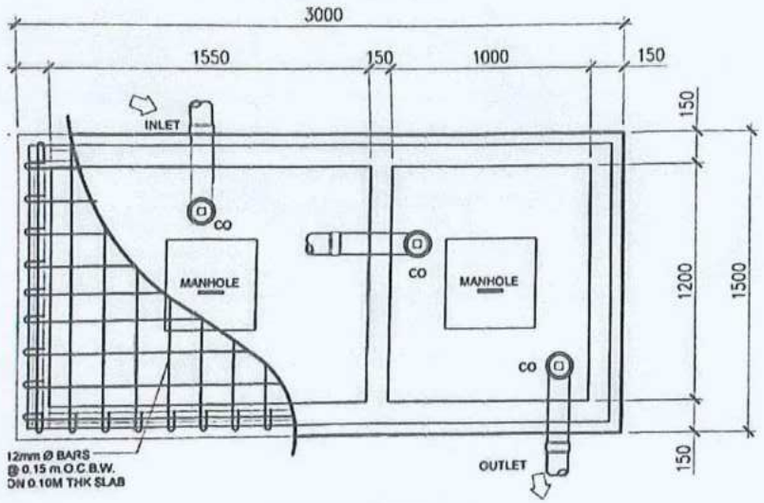
FOOTING SCHEDULE f'c=3,000psi fy=40,000psi

MARK	T (mm)	W (mm)	L (mm)	BAR X SHORTER BAR	BAR Y LONGER BAR	REMARK
F-1	300	1200	1200	6-16MM@ RSB	6-16MM@ RSB	ISOLATED

SCHEDULE OF BEAMS f'c=3,000psi fy=40,000psi

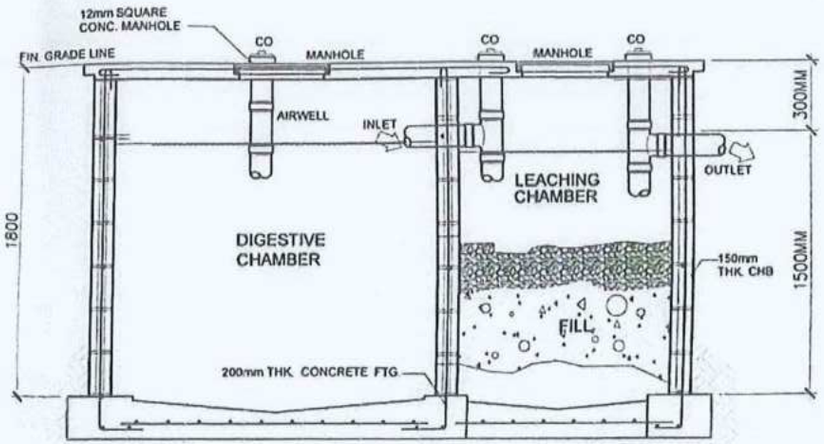
MARK	SECTION b (mm)	SECTION d (mm)	REBAR diameter (mm)	SUPPORT TB (mm)	SUPPORT BB (mm)	MIDSPAN TB (mm)	MIDSPAN BB (mm)	STIRRUP SPACING
B-1	250	350	12mm@	4	2	2	4	1@10, 2@50, 3@100, REST 200
B-2	250	350	12mm@	4	2	2	4	1@10, 2@50, 3@100, REST 200

CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NO.
	CONSTRUCTION OF FARMHOUSE In SLSU SAMPALOC SITE	MELDA B. VILLAFLOR	ENGR. OFELIA E. MORALES	ENGR. MELVIN A. MALIKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	FOUNDATION PLAN DETAILS	S-2 02 03



1 / P-2 **SEPTIC TANK PLAN**

SCALE 1 : 25



2 / P-2 **SEPTIC TANK SECTION**

SCALE 1 : 25

CIVIL / STRUCTURAL ENGINEER	PROJECT TITLE	PLANNED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO
	CONSTRUCTION OF FARMHOUSE in SLSU SAMPALOC SITE	IMELDA B. VILLAFLOR	ENGR. JOEL E. MORALES	ENGR. MELVIN A. MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. ERNESTO T. VILLA UNIVERSITY PRESIDENT	SEPTIC TANK DETAILS	P-2 02 02

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDED IN CONCRETE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.
5. CONSTRUCTION MUST BE SUPERVISED BY A COMPETENT OR LICENSED CIVIL ENGINEER.

B. CONCRETE AND REINFORCEMENT

1. ALL MATERIALS WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS :

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SIZE AGGREGATE
CURBS AND SLAB ON GRADE EXCEPT FOUND.	2500 PSI(175 KG/ CM 2)	1 in. (25 mm)	4 in. (100 mm)
FOUNDATION & RETAINING WALL	3000 PSI	3/4 in. (19 mm)	4 in. (100 mm)
ALL OTHERS INCLUDING BEAMS, SUSPENDED SLABS	3000 PSI	3/4 in. (19 mm)	4 in. (125 mm)
AND COLUMNS	3000 PSI	3/4 in. (19 mm)	4 in. (125 mm)

3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR ALL BAR DIAMETERS
4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.
   - SUSPENDED SLABS ..... 3/4" (19mm)
   - SLAB ON GRADE ..... 1 1/2" (38mm)
   - WALLS ABOVE GRADE ..... 1 " (25mm)
   - BEAM STIRRUPS AND COLUMN TIES ..... 1 1/2" (38mm)
   - WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS ..... 2" (50mm)
   - WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH ..... 3" (75mm)
6. SPLICES SHALL BE SECURELY WIRED AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPLICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, TOOLS, EQUIPMENTS AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
10. STRIPPING OF FORMS AND SHORES
    - FOUNDATION ..... 24 HRS.
    - SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED ..... 14 DAYS
    - WALLS ..... 18 HRS.
    - BEAMS ..... 14 DAYS

C. MASONRY AND CONCRETE BLOCKS

1. ALL-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA. SHALL BE DEVELOPED.
2. PROVIDE 1-#16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, 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 BL (200 mm)	#12 @ 400 mm	#12 @ 400 mm
6 BL (150 mm)	#12 @ 400 mm	#12 @ 400 mm
5 BL (125 mm)	#10 @ 400 mm	#10 @ 400 mm
4 BL (100 mm)	#10 @ 400 mm	#10 @ 400 mm

5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BARS DIAMETERS WHERE SPLICED DOWELS FROM CONCRETE FOOTINGS OR SLABS EXTEND INTO THE BLOCK WALL A MINIMUM OF 40 BAR DIAMETERS, AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT, (REFER TO SPECIFICATIONS).

D. STRUCTURAL STEEL

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE 8TH EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL UNLESS OTHERWISE SHOWN OR NOTED.
2. STRUCTURAL STEEL YIELD STRENGTH (f_y)

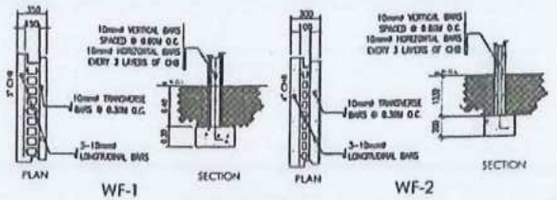
   HOT ROLLED STEEL 248 Mpa (36000 psi)
   COLD ROLLED STEEL 248 Mpa (36000 psi)
3. THE CONTRACTOR SHALL FURNISHED ALL PLATES, CLIP ANGLES, CONNECTORS, ETC. REQUIRED FOR THE COMPLETION OF THE STRUCTURE EVEN IF SUCH ITEM IS NOT SHOWN IN THE CONTRACT DRAWING.
4. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY CODE, AWS D1.1 UNLESS INDICATED OTHERWISE, WELDING ELECTRODES SHALL BE E70XX.
5. ALL BOLTS AND THREADED FASTENERS SHALL BE ASTM A-307 UNLESS OTHERWISE SPECIFIED.

E. FOUNDATION

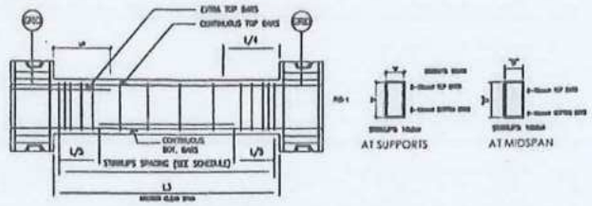
1. FOUNDATION IS DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 3000 PSF.
2. FOUNDATION SHALL REST ON NATURAL SOIL. UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.

MASONRY UNITS SCHEDULE

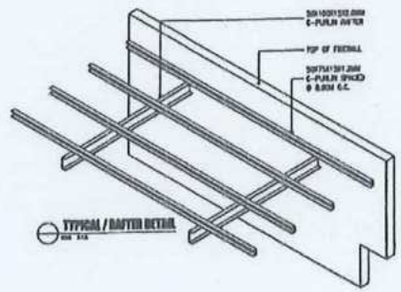
THICKNESS	REINFORCEMENTS		NOTES
	HORIZONTAL	VERTICAL	
100	#10 @ 400 O.C.	#10 @ 400 O.C.	MIN. LAP SPLICE = 300
125	#10 @ 400 O.C.	#10 @ 400 O.C.	PROVIDE RIGHT ANGLED REINFORCED 900mm LONG
150	#12 @ 400 O.C.	#12 @ 400 O.C.	
200	#12 @ 400 O.C.	#12 @ 400 O.C.	



WALL FOOTING DETAIL



R.C. BEAM DETAIL

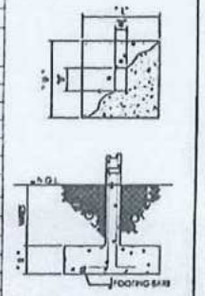


R.C. COLUMNS SCHEDULE

COLUMNS MARK	SIZE (B x D)	REINFORCEMENTS		TIE BARS	
		VERTICAL BARS		SIZE OF TIES	SPACING FROM BOTTOM OF SUPPORT OF SPAN (mm)
		NUMBER OF BARS			
C-1	200 x 300	6 - #16mm		#10mm	100@, 6@50, 6@50 rest @200 O.C.

R.C. FOOTING SCHEDULE

FOOTING MARK	SIZE (L x W x D)	DEPTH OF FOOTING	REINFORCEMENTS	
			HORIZONTAL BARS	
			NO. OF BARS	
FOOTINGS				
F-1	1000 x 1000 x 300	1000	6-#12mm @ BOTH WAYS	



R.C. BEAMS SCHEDULE

MARK	SIZE (W x D)	REINFORCEMENTS				NOB BARS EACH SPACE	STIRRUPS	
		SUPPORT		MID-SPAN			SIZE	SPACING FROM FACE OF SUPPORT OF SPAN (mm)
		TOP	BOTTOM	TOP	BOTTOM			
BEAMS								
RB-1	250 x 350	2-#12mm	2-#12mm	2-#12mm	2-#12mm	- #10mm		1400mm, 3@100mm, 3 @ 50mm REST @200mm O.C.

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	CONSTRUCTION OF FARMHOUSE In SLSU SAMPALOC SITE	MELODA B. VILLAFLOR	ENGR. JOEL B. MORALES	ENGR. MELVINA A. MANIBAGAY	DR. ERICERICK T. VILLA		S-1
	ADDRESS: SLSU CAMPUS SAMPALOC, QUEZON			DIRECTOR PROJECT MANAGEMENT OFFICE	UNIVERSITY PRESIDENT		01 | 03