

# Republic of the Philippines SOUTHERN LUZON STATE UNIVERSITY Lucban, Quezon

## REQUEST FOR QUOTATION

# FARMHOUSE - CR AND SEPTIC TANK ONLY (VP-REPDI)

Purchase Request No. 2024-10-2076
Approved Budget for the Contract: 2300,000.00

The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of <a href="Farmhouse">Farmhouse</a> — CR and Septic Tank Only (VP-REPDI) to apply the sum of <a href="Three Hundred Thousand Pesos Only #2300,000.00">Three Hundred Thousand Pesos Only #2300,000.00</a>) inclusive of VAT, being the Approved Budget for the Contract (ABC), details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Farm House (CR and Septic Tank only)
		*see attached documents for specifications

1. The quotation 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, 2<sup>nd</sup> 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 Head, 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			VP-REPDI	Date:	
COMPA		E:		PR No.:	2024-10-2076
ADDRES	_				
TEL. NO	J./FAX N	0. :		TIN No.:	
			owest price on the item(s) listed below, subject to the Terms & Condition of in the return envelope attached herewith to	ns stated below and submit your quotation dul o the Procurement office.	y signed by your representative no
1. All ent 2. Deliver Administr delivery w 3. Warra (1) one ye 4. Price v 5. Supplic Certificate Procurem 6. Bidden 7. Please	ry period w ratitive per without vall inty shall b ear for Equ validity sha ers require e of Tax, M nent Office s shall sub	ne typewriti within nalties to Se id reason. e for a mini ipment frou il be for a p d to submit dayor'sPern upon subm mit comple	ten or legibility writtenupon conforme of the approved Purchase Order (P.O). cc. 69 of the Revised IRR-RA 1984 shall be imposed for non- imum of three (3) months for Supplies & Materials; m date of acceptance by the end-user. seriod of sixty (60) calendar days. t updated documents yearly such as G-EPS Resgistration, nit, DTI, Bank Name/Account and Branch for evaluation of the nission of the quotation. the specifications showing products certification, if applicable. or each items being offered. g for this procurement isPHP 300,000.00	MARIDEL C. ZA Head, Procureme	
Item #	Qty.	Unit	ITEM/S DESCRIPTION Farm House (CR and Septic Tank only)	Unit F	Price Total Cost
	Period: carefully ne		*see attached documents for specifications  PRE STF  ad your Genaral Conditions, We quote you on the item(s) at prices note above.	Warranty: Price Valid	V5
means that I	concur w/ (	ne terms a	Conditions specified by SLSU Procurement Office.		
AFA-PRC-1	.02 F2, R	EV. 4		Printed Name/Signature/I	Jace

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

PROJECT TITLE: Farmhouse (CR and Septic tank only)

PROJECT LOCATION: SLSU Sampaloc, Quezon OWNER: Southern Luzon State University ABC: P 300,000.00

PROJECT DURATION:

30 CD

## SUMMARY

ITEM	DESCI	RIPTION	COST OF MATERIALS	COST OF LABOR AND EQUIPMENT	TOTAL
1	General Works				
11	Earthworks				
111	Reinforced Concrete V	Vorks			
IV	Masonry Works				
V	Form Works and Scaff	olding			
VI	Doors and Windows				
VII	Plumbing & Sanitary				
VIII	Roofing Works	Roofing Works			
			TOTAL ES	STIMATED DIRECT COST P	
			OVERHEAD, CONT	INGENCIES & MISC.( OCM ) P	
		INDIRECT COST	CONTRACTOR'S PROFIT P		
			VA	ALUE ADDED TAX (VAT) P	
				TOTAL PROJECT COST P	



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

PROJECT TITLE: Farmhouse (CR and Septic tank only)
PROJECT LOCATION: SLSU, Sampaloc Quezon
OWNER: Southern Luzon State University

MODE OF IMPLEMENTATION : by Contract

PROJECT DURATION: 30 CD

## **BILL OF MATERIALS**

Quantity	Unit	Description	Unit Cost	Total Cost
1	lot	Mobilization / Demobilization		
1	lot	Soil Poisoning		
1	lot	Material Testing		

Sub - Total P

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

Quantity	Unit	Description	Unit Cost	Total Cost
	bags	Portland Cement		
	cu.m.	Sand S1		
72-102-101	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

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

Quantity	Unit	Description	Unit Cost	Total Cost
	bd.ft	Coco lumber		
	pcs	1/2"x4'x8' Phenolic Board		
	kg	Assorted Nails		

Sub - Total F

/I. 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 (400x400)			

Sub - Total P

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		
1	lot	Consumables		

Sub - Total P

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		
	In. m.	3' wide Corrugated Sheets		
	liters	vulcaseal		
	pcs	GI Plain Sheets 4' x 8'		
1	lot	Consumables		

Sub - Total P



PROJECT TITLE: Farmhouse (CR and Septic tank only)

PROJECT LOCATION: SLSU Sampaloc, Quezon OWNER: Southern Luzon State University PROJECT DURATION: 30 Calendar days

#### SCOPE OF WORKS

## I. GENERAL REQUIREMENTS

- Mobilization / Demobilization
- Excavation for Toilet and Septic tank only
- · Hauling, Clearing of unsuitable materials

#### II. SCAFFOLDINGS

 All formworks shall be formed, for concrete columns and roofing that needs scaffolding and dismantling / stripping of scaffolding.

# III. RAFTER AND TINSMITHRY WORKS (for toilet location only)

 Fabrication and installation of steel rafters, installation of roof frame, GI Corrugated Sheets, and other roof accessories.

## IV. CONCRETE AND MASONRY WORKS

- Laying of CHB as shown on drawing.
- Masonry finishes should be smooth plaster finish
- 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 may be used to the approval of the Civil Engineer.
- Water used in mixing concrete shall be clean and free from injurious amounts of oil, acids, alkalis, salts, organic materials or other substances deleterious to concrete or steel. In addition, the mixing water for pre-stressed concrete shall not contain deleterious amounts of chloride ion.
- 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 matter.
- 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 4000 psi.
- Mixing of concrete
  - All concrete shall be mixed until there in uniform distribution of the materials and shall be discharges completely before the mixer is recharged.
- Curing
  - Concrete shall be maintained in a moist condition for at least 7 days after placing.

## V. AWNING GLASS WINDOWS & TOILET DOORS

- 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.

## VI. 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

Recommending approval:

ENGR. MELWA. MAKIPAGAY Dir.-Planning and Development

Approved by:

DR. FREDERICK T. VILLA University President

PROJECT TITLE: Farmhouse (CR and Septic tank only)

PROJECT LOCATION: SLSU Sampaloc, Quezon OWNER: Southern Luzon State University PROJECT DURATION: 30 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 reinsurance 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.

#### II. CONCRETE AND MASONRY 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.

## III. METAL 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 2½ 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.

## **IV. GLASS 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.

Prepared by:

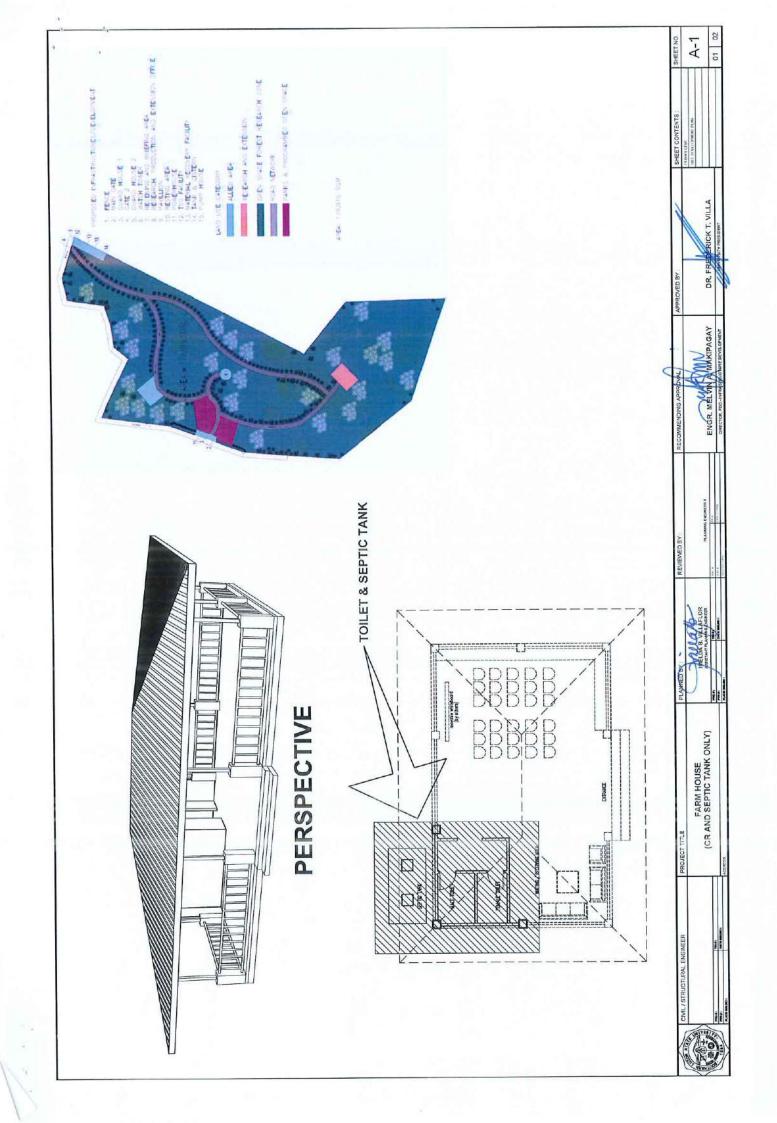
MELDA B. VILLAFLOR
Asst. Planning Engineer

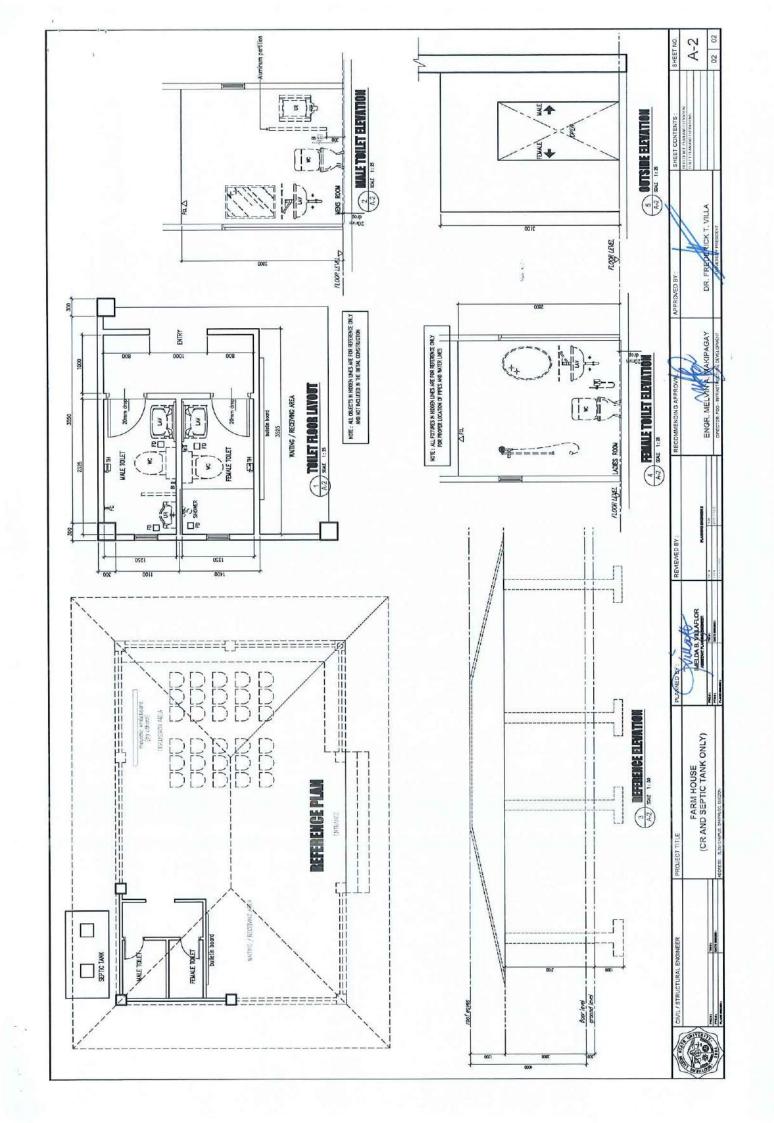
Recommending approval:

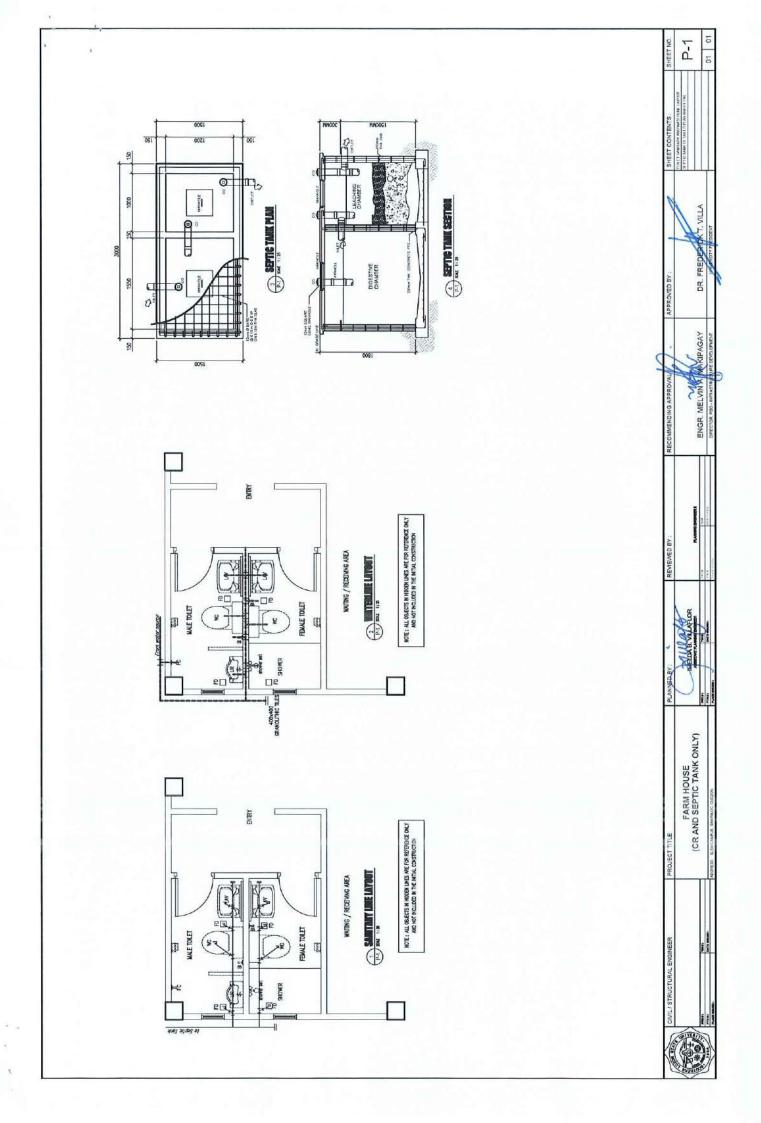
ENGR. MECAN A. MAKIPAGAY Dir. Planning and Development

Approved by:

DR. FREDERICK T. VILLA University President







#### 01 02 5-1 SHEET NO. OKT. VILLA WF-2 Denne TAMENDEE A LOCALIDAN, BVS DR. FREDER O WILLIAM BETTE CONTINUES TOP BARS 5 SECTION ENGR. MELLIN ALMANIBAGAY STREETLES SHOWN (SEE SOMEOUL) Home WEIDA, BAS SHOED & GEON O.C. HOME HORZONTA, BAS SHORY J. LATES OF GRE TONOR TRUBITION OF S-10mm BHS ME S q 1850an, 3910am, 3,9150am 8551 810am 0.0. (1) SPACHE FROM FACE OF SEPPORT OF STAN (rms) 21 SECTION N. - 6 10mm NELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY CODE, AWS D1.1 UNLESS INDICATED OTHERWISE, WELDING ELECTRODES SHALL BE ETOXIC FIDER 1050, SOIDS, SOIDS next 0200 C.C. 1. ALL MYDRAL, AND WORKANSHP SHALL CONFORM TO THE 9TH EDMON OF THE AMERICAN WRITITED FOR STELL CONSTRUCTION (ASD) MANUAL UNLESS OFFERES SHOWN OR NOTED. EACH SPACE THE CONTRACTOR SHALL FLIRMSHED ALL PLATES, CLIP ANGLES, CONNECTORS, ETC. REQUIRED FOR THE CONFLETION OF THE STRUCTURE EVEN IF SUCH ITEM IS NOT SHOWN IN THE CONTRACT DRAWING. THE COMPACTOR SMALL NOTIFY THE EMBNETR AFTER FOOTING EXCHANTION HAVE BEEN CONFLETED AND PRIOR TO COMPRETING TO CONFIRM THE DESIGN SOIL BENEWS CAPACITY. TE BARS SYLCHOL BOTTOL OF SAPPORT OF SPAR (nm.) 5. ALL BOLTS AND THREADED FASTENERS SHALL BE ASTA A-307 UNLESS OTHERWISE SPECIFIED. RENFORESAENTS HORZONTAL BARS FOUNDATION STALL REST ON NATURAL SCIL. UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL. 6-412mm O BOTHIAYS NO. OF BARS 88-1 250 x 350 2-4 (2mm 2-4 (2mm 2-4 (2mm 2-4 (2mm SUPPORT MID-SPAN 1. FOUNDATION IS DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 3000 PSF. #12 0 400 Q.C. #10 0 400 Q.C. PROVIDE RIGHT ANGLES #12 0 400 Q.C. #12 0 400 Q.C. #12 0 400 Q.C. #12 0 400 Q.C. #10 0 400 G.C. #10 0 400 G.C. MR. LAP SPLIE - 300 SE OF RENFORCEMENTS NOTES HOT ROLLED STEEL. 248 Mpa (36000 pai) COLD ROLLED STEEL. 248 Mpa (36000 pai) MELDA B. VILAPLOR 2. STRUCTURAL STEEL YIELD STRENCTH (IY) PEPTH OF FOOTING MASONRY UNITS SCHEDULE NUMBER OF BARS RENEGRODADATS VERTICAL BARS HORIZONTAL VERTICAL RENFORCEMENTS (LxWrD) 1000 x 1000 x 300 R.C. COLUMNS SCHEDUL R.C. FOOTING SCHEDULE R.C. BEAMS SCHEDULE (N K D) 200 × 300 開発 E. FOUNDATION THORESS COLUMNS 100 MARK 125 (CR AND SEPTIC TANK ONLY) MAX. SIZE AGGREGATE 4 in. (100 mm) 4 in. (125 mm) 4 in. (125 mm) 4 in. (100 mm) 3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR ALL BAR DIMMETERS HORIZONTAL REINFORCEMENT RENFORCING BARS SHALL BE LAPPED A UNIMON OF 30 BARS DAMPTERS WHERE VELOED DOWNED, FROM CONCRIDENT FOOTNOON OF SLASS ENTERO INTO THE BLOCK WILL A UNIMON OF AD BAR DAMPTERS, AND DOWNES TO MATCH VERTICAL REINFORDIAGNIS OF WALL. #12 0 400 mm #12 0 400 mm #10 0 400 mm 4. IN GENERAL THE LATEST ECHION OF ACI-315, MANUAL OF STANDARD PRACTICE DEBLANG RENERINGED CONCRETE STRUCTURES SHALL BE ADIENTO TO UNITESS OTHERWISE SHOWN OR NOTED. ALLIANO BEJANG THRE CONDERS BLOOK SHALL HAVE, I VAT WEIGHT WITH DECEMBER OF THE BLOOK SHALL BE DESCRIBE LOCKS A MUNICH CAMPENS. THE STREAM OF 6.50 MPL, SHALL BE DESCRIBED. A MULSE LOCK SHOULD BE MAN CONFINES, MITHINGTONES, DIO OF WALLS, EACH SIDE OF OPENINGS. 3. INTER LEAGE SHALL BEST R TENTS 8 NOMES (200 MM.) ON EXCH SIDE OF MACHINES. 4. WALL REPRESENTS SHALL BE AS FOLLOWS. CONSTRUCTION NOTES AND THYCU, DETAILS APPLY TO ALL UNIESS OTHER SEEDING ON NOTES, WOORY TRYCU, DETAILS AS DRECTED TO MEET SPECAL CONDITIONS. 3/4" (19 mm) 1 1/2" (38 mm) 1 1/2" (38 mm) 1 1/2" (38 mm) ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMAL OF SENEN (7) CONSCOURTE DAYS IMPLEMENTELY AFTER POURING BY THE USE OF NET BURLOR, FOR SPROYING, CLIRING COUNTOINGS OR OTHER APPROVED METHODS. 2. SHOP DAWINISS WITH ERECTION AND PLOCKED DAGRAMS OF ALL STRUCTURAL STREET MASSELLINEOUS IRRN, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVIL BED'DIE PARKOLICIN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BETONE ALL WORK IS TO BEGIN. SICHECK WITH INCENNIUMAL AND BELEVICIAL COMPICATIONS. FINE SICHES, SIC., TO BE EMBEDED IN CONCRETE. 5. SPLCES SHALL BE SECURELY WHED AND SHALL LIP OR EXTEND IN ACCIDENCE, LEXEN) LICES OF LIPS OF LIPS OF LIPS OF LIPS OF LIPS OF HERMICS SHOWN ON DRIWINGS, SPLCES, SHALL BE STAGGERED WHENCH POSSIBLE. 2. ALL CONDRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE BND OF THEMTY EGYT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE, AND SLUMPS AS FOLLOWS: B. COMPACTOR SHALL NOTE AND PROVIDE ALL MISCELAMBOUS CURBS, SILLS, TOOLS, EQUIPMENTS AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DEALINGS. AL CELS CONTAINE RENFORCING BARS OR INSERTS SHALL BE SOLIDLY FILED WITH CONCRETE GROUT, (REFER TO SPECFICATIONS). ALL MATERIALS WORGANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONGRETE INSTITUTE (ACH-318). 5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS. 4. IT SAUL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUAITE SHORTINE AND BROWNES OF THAT MAYBE WHOSED DURING CONSTRUCTION. 7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE. .... 2" (50mm) ... 3° (75mm) MAX, SIZE AGGRETATE S. CONSTRUCTION MUST BE SUPERNSED BY A COMPETENT OR LICENSED CAYL ENGINEER. 3/4 ln. (19 mm) 3/4 in. (19 mm) 3/4 in. (19 mm) 1 in. (25 mm) 24 HIS 14 DAYS 14 DAYS 18 HRS PROJECT TITLE VERTICAL REINFORCEMENT 912 0 400 mm 912 0 400 mm 910 0 400 mm 910 0 400 mm WALLS ABYE GRADE BEAM STRRUPS AND COLUMN TIES WHERE CONCRETE IS DROSED TO EARTH BUT POURED AGAINST FORMS CURSS AND STAB 2500 PS(175 KG/ CM 2) ON GRADE EXCEPT FOUND. SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LONDS ARE IMPOSED. 28 DAYS STRENGTH 10. STRIPPING OF FORMS AND SHORES 3000 PSI 3000 PSI 3000 PS C. MASONRY AND CONCRETE BLOCKS CONCRETE AND REINFORCEMENT 8 IN. (200 mm) 6 IN (150 mm) 5 IN. (125 mm) 4 IN. (100 mm) WALL THICKNESS FOUNDATION WALS ALL OTHERS INCLUDING BEAUS, SUSPENDED SLABS FOUNDATION & RETAINING WALL CIVIL / STRUCTURAL ENGINEER AND COLUMNS LOCATION

