Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

BAGONG PILIPINAS

REQUEST FOR QUOTATION

UPGRADING AND IMPROVEMENT OF CAM AUDITORIUM PHASE 2 (PMO)

Purchase Request No. 2026-03-0924
Approved Budget for the Contract: ₱ 1,950,000.00

The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Upgrading and Improvement of CAM Auditorium Phase 2 (PMO)** to apply the sum of **One Million and Nine Hundred Fifty Thousand Pesos Only (₱ 1,950,000.00) inclusive of VAT,** being the **Approved Budget for the Contract (ABC),** details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Upgrading and Improvement of CAM Auditorium Phase 2

1. The quotation must be submitted (can also be sent 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:	**Project Management Office**	**Date:**	
COMPANY NAME:		**PR No.:**	**2026-03-0924**
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 1,950,000.00 .*

MARIDEL C. ZABELLA
Director, Procurement Office

Item #	Qty.	Unit	ITEM/S DESCRIPTION	Unit Price	Total Cost
	1	lot	Upgrading and Improvement of CAM Auditorium Phase 2		

Source of Fund:	**PRE STF**	Warranty:	
Delivery Period:	**120 DAYS**	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
Project Management Office
Lucban , Quezon

PROJECT TITLE : Upgrading of College of Allied Medicine Auditorium (Phase II)
PROJECT LOCATION : Brgy. Kulapi, Lucban Quezon
OWNER : Southern Luzon State University
ABC : P 1,950,000.00
PROJECT DURATION : 120 CD
PROJECT BRIEF DESCRIPTION : Replacement of auditorium chairs into new ones, installation of sound system & construction of three comfort rooms (PWD, Male & Female).

SUMMARY

ITEM	DESCRIPTION	COST OF MATERIALS	COST OF LABOR AND EQUIPMENT	TOTAL
I	General Requirements			
II	Auditorium Chairs			
III	Sound System (Auditorium)			
IV	Earthworks (Comfort Rooms)			
V	Reinforced Concrete Works (Comfort Rooms)			
VI.	Formworks (Comfort Rooms)			
VII	Masonry Works (Comfort Rooms)			
VIII	Steel Works (Comfort Rooms)			
IX	Tinsmithry (Comfort Rooms)			
X	Electrical Works (Comfort Rooms)			
XI	Sanitary/Plumbing Works (Comfort Rooms)			
XII	Carpentry Works (Comfort Rooms)			
XIII	Doors & Windows (Comfort Rooms)			
XIV	Tiling Works (Comfort Rooms)			
XV	Painting Works (Comfort Rooms)			
			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	

Amount in Words : _____

_____

_____

Name of Bidder : _____

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Project Management Office
Lucban , Quezon

PROJECT TITLE : Upgrading of College of Allied Medicine Auditorium (Phase II)
PROJECT LOCATION : Brgy. Kulapi, Lucban Quezon
OWNER : Southern Luzon State University
MODE OF IMPLEMENTATION : by Contract
PROJECT DURATION : 120 CD
PROJECT BRIEF DESCRIPTION : Replacement of auditorium chairs into new ones, installation of sound system & construction of three comfort rooms (PWD, Male & Female).

BILL OF QUANTITIES

I. General Requirements				
Quantity	Unit	Description	Unit Cost	Total Cost
1	lot	Mobilization		
1	lot	Project Identification & Signs, Tarpaulin with Marine		
		Plywood Backing/As Built Plans		
1	lot	Temprorary Facilities		
1	lot	Safety and Health Program		
1	lot	Demobilization		
			Sub - Total	**P**

II. Auditorium Chairs				
Quantity	Unit	Description	Unit Cost	Total Cost
110.00	set/s	Auditorium Chairs (Foldable with desk)		
			Sub - Total	**P**

III. Sound System (Auditorium)				
Quantity	Unit	Description	Unit Cost	Total Cost
12	unit/s	System Type 5" 2-way Passive System Output Power 120W (CONTINUOUS) 240W (PROGRAM) Sensitivity (1W/1M) 95dB, Maximum SPL @ 1m 115,5dB Max. (calculated), Frequency Response 90Hz-20kHz (-10dB) Impedance 16 ohms Transducer Low 2 x 5" Woofer, 1,18" (30mm) Voice CoilTransducer High 1 x 1" Tweeter, 1" (25mm) Voice Coil		
1	unit/s	System Type: Active Subwoofer Speaker Cabinet, Transducer Low: 12" Woofer - 3" Voice Coil Output Power: 1000, Continuous / 2000W Program / 4000W Peak Power, Class D, Max SPL: 129dB		
1	unit/s	500 Watts X 4 RMS @ 4 Ohms, 250 Watts X 4 RMS @ 8 Ohms		
1	unit/s	22 Inputs, 16XLR's/4Line, 2 USB 12 Outputs/Buses ,2HD FX Processors 32 DSP Channels Gate/PEQ/Compressor,6DCA Groups Physical Metering & Software Meters , iPad Remote Control Easy install Matrix		
2	set/s	Dual Wireless Microphone PLL UHF Synthesized System 101 Frequencies per Channel LCD Display, Intelligent Recognition & ID Lock		

2	unit/s	Built-in DSP Speaker configuration: 8" woofer with 1.5" voice coil and 1" neodymium compression driver Power: 300 W RMS, 600 W peak, Max SPL: 122 d		
3	unit/s	Flybar for Swift 25		

Sub - Total P

IV. Earthworks (Comfort Rooms)				
Quantity	Unit	Description	Unit Cost	Total Cost
	sq.m	Clearing & Grubbing		
	lot	Lay-out & Staking		
	cu.m	Excavation		
	cu.m	Backfill & Compaction		
1.00	lot	Hauling & Disposal		

Sub - Total P

V. Reinforced Concrete Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	bags	Portland Cement (40 kgs)		
	cu.m	Sand (S-1)		
	cu.m	Gravel (3/4)		
	cu.m	G-1 (Gravel Bedding)		
	pcs	16mm Ø RSB x 6.00m		
	pcs	12mm Ø RSB x 6.00m		
	pcs	10mm Ø RSB x 6.00m		
	kgs	G.I. Tie Wire #16		
1.00	lot	Consumables		

Sub - Total P

VI. Formworks				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	1/2" Phenolic Board (4ft x 8ft)		
	bd.ft	2" x 4" Coco Lumber		
	lot	Consumables (Assorted Common Wire Nails, etc.)		

Sub - Total P

VII. Masonry Works (Incl. Plastering)				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	5"thk CHB		
	bags	Portland Cement (40 kgs)		
	cu.m	White Sand		
	pcs	12mm Ø RSB x 6.00m		
	kgs	G.I. Tie Wire #16		
1.00	lot	Consumables		

Sub - Total P

VIII. Steel Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	4.00mm x 50mm x 50mm Angle Bar (L=6.00m)		
	pcs	1.20mm x 50mm x 75mm G.I. C-purlins (L=6.00m)		
	pcs	1.20mm x 50mm x 150mm G.I. C-purlins (L=6.00m)		
	pcs	10mm Ø Plain Round Bars (Sag Rod)		
	gal	Epoxy Primer (Gray)		
1.00	lot	Consumables (Welding Rods, Paint Rollers, Paint Brush,		
		Paint Tray, Paint Thinners , etc.)		

Sub - Total P

IX. Tinsmithry				
Quantity	Unit	Description	Unit Cost	Total Cost
	lm	0.50mm x 1.00m x LS Rib Typed Panels		
	pcs	0.50mm thk x 2.44m PPGI Fascia Flashing		
	pcs	0.50mm thk x 2.44m PPGI End Wall Flashing		
	pcs	12mm x 250mm x 2.44m Fascia Board		
1.00	lot	Consumables (Tekscrews, Blind Rivets, Sealant,		
		Touch up Paints)		

Sub - Total P

X. Electrical Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	LED Downlight Recessed (18 watts)		
	set/s	12" Ceiling Mounted Exhaust Fan (38watts)		
	set/s	3-gang switch wide series		
	pcs	2"x4" PVC Utility Box		
	pcs	4" x 4" PVC Junction Box		
	mtr	Flexible Conduit 1/2"		
	box	THHN Wire, 3.5 mm sq. m		
	pcs	Panel Board, 230V, 60Hz (6 holes)		
	pcs	60 AT, 2P Main Circuit Breaker -Electric (Plug in type)		
	pcs	Circuit Breaker, 30 A, 2P (Plug in type)		
1.00	lot	Consumables		

Sub - Total P

XI. Sanitary/Plumbing Works				
Quantity	Unit	Description	Unit Cost	Total Cost
		Plumbing Fixtures		
	set/s	Water Closet w/ complete accessories		
	set/s	Lavatory w/ complete accessories incl. faucets		
	set/s	SS Bidet		
	set/s	Urinals w/ complete accessories incl. flush valves		
	pcs	SS Floor Drains		
		Sanitary Roughing Ins		
	pcs	4" dia. Series 1000 Sanitary Pipe		
	pcs	2" dia. Series 1000 Sanitary Pipe		
	lot	Sanitary Fittings (Elbow, tee, wye, p-traps, Etc.)		
	lot	Consumables (Solvent Cement, etc.)		
		Plumbing Roughing Ins		
	pcs	1/2" dia. PPR Pipes PN20 L=4.00m		
1.00	lot	PPR Fittings (tee, elbow, coupling, gate valves, etc.)		
1.00	lot	Consumables		

Sub - Total P

XII. Carpentry Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	4.50mm x 4.00ft x 8.00ft Fiber Cement Board		
	pcs	8mm x 250mm x 2900mm Seamless PVC Panel (accessories incl.)		
	pcs	PVC Mouldings		
	pcs	19mm x 50mm x 5.0m Metal Furrings		
	pcs	12mm x 38mm x 5.0m Carrying Channels		
1.00	lot	Consumables (Hanger Rods, W-Clips, Blind Rivets, Screws,		
		Suspension Clips, etc.)		

Sub - Total P

XIII. Doors & Windows				
Quantity	Unit	Description	Unit Cost	Total Cost
1.00	set/s	D-1 Aluminum Door w/ Door Jamb and with complete acc.		
		including lever type door knob (1.00m x 2.10m)		

2.00	set/s	D-2 Aluminum Door w/ Door Jamb and with complete acc.		
		including lever type door knob (0.80m x 2.10m)		
1.00	set/s	W-1 Awning Window on 6mm thk Glass on Powder Coated		
		Aluminum Frame (0.50m x 1.00m)		
2.00	set/s	W-2 Awning Window on 6mm thk Glass on Powder Coated		
		Aluminum Frame (0.50m x 0.50m)		
			Sub - Total	**P**

XIV. Tiling Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	pcs	60cm x 60cm Unglazed Ceramic Tiles		
	pcs	30cm x 60cm Ceramic Wall Tiles		
	bags	Portland Cement (40kgs)		
	bags	Adhesive Cement (25kgs)		
	cu.m	Sand (S-1)		
	bags	Tile Grout (2kgs)		
1.00	lot	Consumables (Nylon Strings, Tile Spacers, etc.)		
			Sub - Total	**P**

XV. Paint Works				
Quantity	Unit	Description	Unit Cost	Total Cost
	gal	Concrete Neutralizer		
	gal	Flat Latex-White (two coats)		
	gal	Semi-Gloss Latex (two coats)		
	bags	Skim Coat (25 kgs)		
1.00	lot	Consumables (brush, roller, trays, sand paper, spatula, etc.)		
			Sub - Total	**P**

Republic of the Philippines
Southern Luzon State University
Project Management Office
Lucban, Quezon

PROJECT TITLE : Upgrading of College of Allied Medicine Auditorium (Phase II)
PROJECT LOCATION : Brgy. Kulapi, Lucban Quezon
OWNER : Southern Luzon State University
PROJECT DURATION : 120 CD
SUBJECT : Scope of works/ Specifications

SCOPE OF WORKS/SPECIFICATIONS

I. GENERAL REQUIREMENTS

- Mobilization – Mobilization shall include all activities and associated cost for transportation of contractor's personnel, equipment and material supplies to the site.
- Construction of temporary facilities (includes rental of temporary place for the workers to stay after the work, construction of temporary logistics area/warehouse etc.).
- Project Billboards – refer to the project engineer for the design/lay-out.
- Demobilization – Demobilization shall include all activities and cost for transportation of personnel, equipment and supplies not required or included in the contract from the site; including disassembly, removal and site clean-up of facilities assembled at the site.
- Safety & health program - This shall include the labor cost of first aider and material cost that will be used for construction, such as safety shoes, safety helmet, first aid kit/meds, and specialized PPE in the duration of the project including DOLE application.

II. AUDITORIUM CHAIRS

- This item shall consist of supply and installation of auditorium chairs including dismantling of old auditorium chairs.
- The auditorium chairs will be subject for approval by the authorize representative of the University before installation.

III. SOUND SYSTEM

- This item shall consist of supply and installation of sound system for the auditorium.
- The items for installation will be subject for approval by the authorize representative of the University.

IV. EARTHWORKS

- Clearing and grubbing includes removal of vegetation, debris and all obstructions from the lay-out area.
- Lay-out and staking includes marking the exact locations of building corners, walls, columns and other structural elements.
- Excavations needed for the foundation of the comfort rooms shall be shouldered by the contractor. The depth of excavation for the foundation shall be in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the SLSU Engineer.
- An 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 will be provided for structural members: column footings, wall footings, and footing tie beams on grade to cover of any particles that will weaken the structure.

- Hauling and disposal typically includes the collection, transportation, and proper disposal of various types of waste materials, as well as the management of waste from its source to its final destination.

V. REINFORCED CONCRETE WORKS

- All concrete works shall be done in accordance with the standard specification for plain and reinforced concrete.
- Concrete works included the pouring of concrete for footing, column, footing tie beam, beam and other concrete structures.
- Concrete mix and steel reinforcement shall be approved by the Civil / Structural Engineer of the Southern Luzon State University.
- Fabrication and supply of steel bars to be used in the construction of footings, tie beams, columns and beams will be shouldered by the contractor.
- Reinforcing steel bars shall conform to ASTM Specifications A-615. All mild steel columns, shear wall, footings, footing tie beams and beams shall be high grade deformed bars Fy = 276Mpa.

VI. FORMWORKS AND SCAFFOLDINGS

- The work includes the construction and installation of formworks and scaffolding, fabrication of column and beam forms and erection of the forms and scaffolding and dismantling & stripping of forms.
- The work under this project shall include the furnishing of all materials, labor, tools, equipment and other facilities and construction necessary as on the plans and in accordance with the specifications.

VII. MASONRY WORKS

- The masonry works include the laying of the Concrete Hollow Blocks of non-bearing type with even textures and wall defined edges, with the minimum compressive strength 700 psi; all masonry walls shall provide with 10mm reinforcing bars as specified in the details.
- The masonry finishes shall be smooth plaster finish for both sides unless otherwise specified.

VIII. STEEL WORKS

- The scope of work under this section consist of furnishing of all labor, tools, equipment and performance of all operations relative to fabrication, delivery to site, erection and painting of structural steel trusses and purlins as shown on the approved plans.

IX. TINSMITHRY

- This item shall consist of furnishing all materials, tools, equipment and labor required to perform and complete the installation of pre-painted roofing together with the related accessories such as fascia flashings, fascia boards and end wall flashings.

X. ELECTRICAL WORKS

- All electrical works shall provide all materials and equipment and perform all the works necessary for the complete execution of the electrical system shown on the electrical drawings with the reference to the general construction drawings as herein specified, for both excepts as otherwise excluding the generality of the foregoing, shall include but not limited to the following principal items of the works.
- Supply and installation of electrical fixtures.
- Supply and installation of electrical wire and cable.
- Supply and installation of electrical pipeline.

- Tapping of electrical lines to electrical service lines which include testing and commissioning.
- 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 conform to the reference code and standard. Use of materials shall furture be governed by other requirements, imposed on the specification. Materials shall be subjected to test if necessary, for their fitness if so required.

XI. SANITARY & PLUMBING 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.
- 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.

XII. CARPENTRY WORKS

- This item shall consist of furnishing and installing PVC ceiling materials and ceiling frame materials including all the tools, labor and equipment necessary to complete the requirements as shown on the plans and in accordance with the specifications.

XIII. DOORS & WINDOWS

- This item shall consist of furnishing all doors, windows, labor, tools and equipment required in undertaking the proper installation as shown on the plans and in accordance with the specifications.

XIV. TILE WORKS

- This item consist of furnishing and installing of wall tiles and floor tiles on the area indicated on the approved plans and in conformity with the specifications.

XV. PAINT WORKS

- Consist of furnishing all items materials, tools, equipment, labor, scaffolding, ladder, methods and other incidentals necessary and required for the satisfactory completion of the works.

XVI. MISCELLANEOUS

- This item shall include supply and installation of reflective mirror's as indicated on the plans and in accordance with the specifications.

Prepared by:

Engr. Joe Marino P. Abutal
Assistant Planning Engineer

Reviewed by:

Engr. Joel E. Morales
Project Development Officer 1

Recommending Approval:

Engr. Melvin A. Makipagay
Director, Project Management Office

Approved by:

Dr. Frederick T. Villa
University President

Republic of the Philippines
Southern Luzon State University
Project Management Office
Lucban, Quezon

PROJECT TITLE: Upgrading of College of Allied Medicine Auditorium (Phase II)
PROJECT LOCATION: Brgy. Kulapi SLSU Main Campus Lucban Quezon
OWNER: Southern Luzon State University
PROJECT DURATION: 120 CD
SUBJECT: Minimum Technical Personnel and Equipment

MINIMUM TECHNICAL PERSONNEL AND EQUIPMENT

QUANTITY	MINIMUM TECHNICAL PERSONNEL
1	Project Engineer
1	Foreman
1	Timekeeper/Warehouse Man
3	Skilled Worker
6	Unskilled Worker

QUANTITY	MINIMUM EQUIPMENT
1	One Bagger Mixer
1	Welding Machine
1	Electric Drill
1	Electric Grinder

Prepared by:

Engr. Joe Marino P. Abutal
Assistant Planning Engineer

Reviewed by:

Engr. Ibel E. Morales
Project Development Officer-1

Recommending Approval:

Engr. Melvin A. Makipagay
Director-Project Management Office

Approved by:

Dr. Frederick T. Villa
University President

Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Project Management Office
Lucban, Quezon

Project : Upgrading of College of Allied Medicine Auditorium (Phase II)
Location Brgy. Kulapi, Lucban Quezon
Owner : Southern Luzon State University
Mode of Implementation : by Contract
Project Duration : 120 Calendar Days

GANTT CHART/CONSTRUCTION SCHEDULE

Item	Description	Duration (days)	Duration (Days) 7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	120
I	GENERAL REQUIREMENTS																		
	Mobilization	7																	
	Project Identification & Signs, Tarpaulin with Marine Plywood Backing/As Built Plans	7																	
	Temporary Facilities	120																	
	Safety & Health Program	120																	
	Demobilization	7																	
II	AUDITORIUM CHAIRS																		
	Dismantling of Old Auditorium Chairs	7																	
	Installation of Auditorium Chairs (Incl. Delivery)	14																	
III	SOUND SYSTEM (AUDITORIUM)																		
	Sound System																		
IV	EARTHWORKS (COMFORT ROOMS)																		
	Clearing & Grubbing	7																	
	Lay-out & Staking	7																	
	Excavation	14																	
	Backfill & Compaction	7																	
	Hauling & Disposal	7																	
V-VI	REINFORCED CONCRETE WORKS																		
	Gravel Bedding	7																	
	Fabrication of Reinforcing Steel Bars	21																	
	Formworks	21																	
	Concreting	14																	
VII	MASONRY WORKS																		
	CHB Laying	14																	
	Plastering	14																	
VIII	STEEL WORKS																		
	Fabrication & Installation of Truss	21																	
IX	TINSMITHRY																		
	Installation of roofing panels, flashings and bending accessories	14																	
X	ELECTRICAL WORKS																		
	Roughing Ins	7																	
	Installation of Electrical Wirings	7																	
	Installation of Electrical Fixtures	7																	
XI	SANITARY/PLUMBING WORKS																		
	Roughing Ins	7																	
	Installation of Plumbing Fixtures	7																	
XII	CARPENTRY WORKS																		
	Installation of Ceiling Frames	7																	
	Installation of PVC Panels	7																	
XIII	DOORS & WINDOWS																		
	Installation of Aluminum Doors	7																	
	Installation of Awning Window	7																	
XIV	TILLING WORKS																		
	Installation of Floor Tiles	7																	
	Installation of Wall Tiles	7																	
XV	PAINT WORKS																		
	Painting	14																	

Prepared by

ENGR. JOE MARINO P. ABUTAL
Assistant Planning Engineer

Reviewed by:

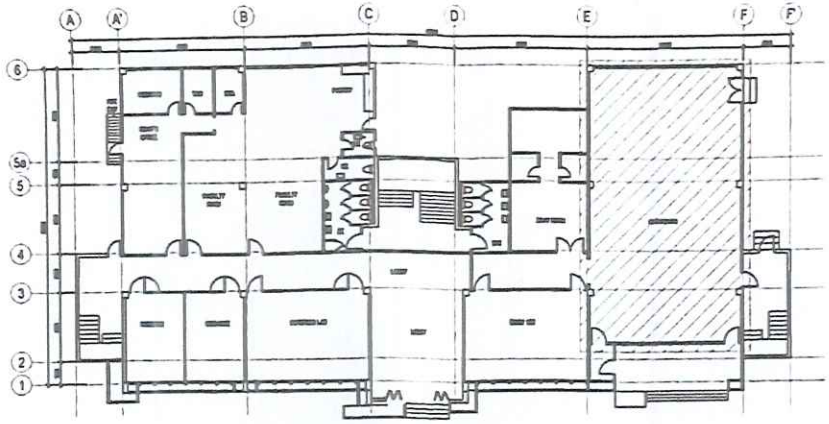
ENGR. JOEL MORALES
PDO

Recommending Approval

ENGR. MELVIN [illegible]
Director, PMO

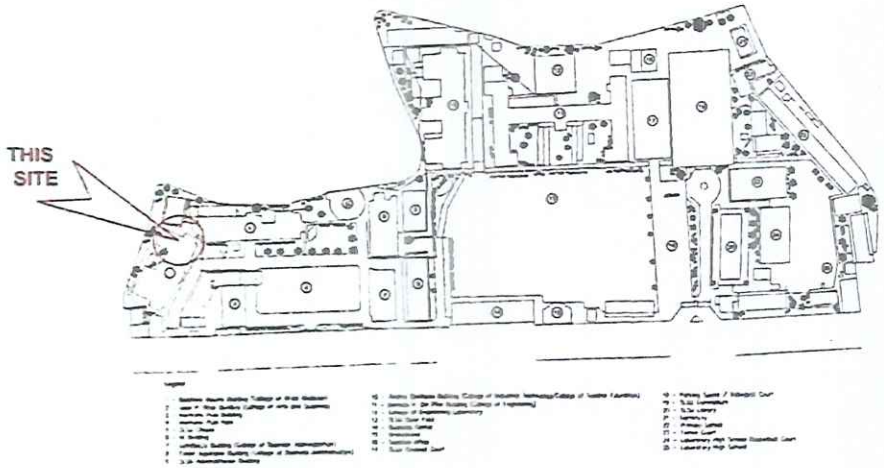
Approved By:

DR. [illegible]
University President



1 / A-1 KEY PLAN
SCALE : NTS

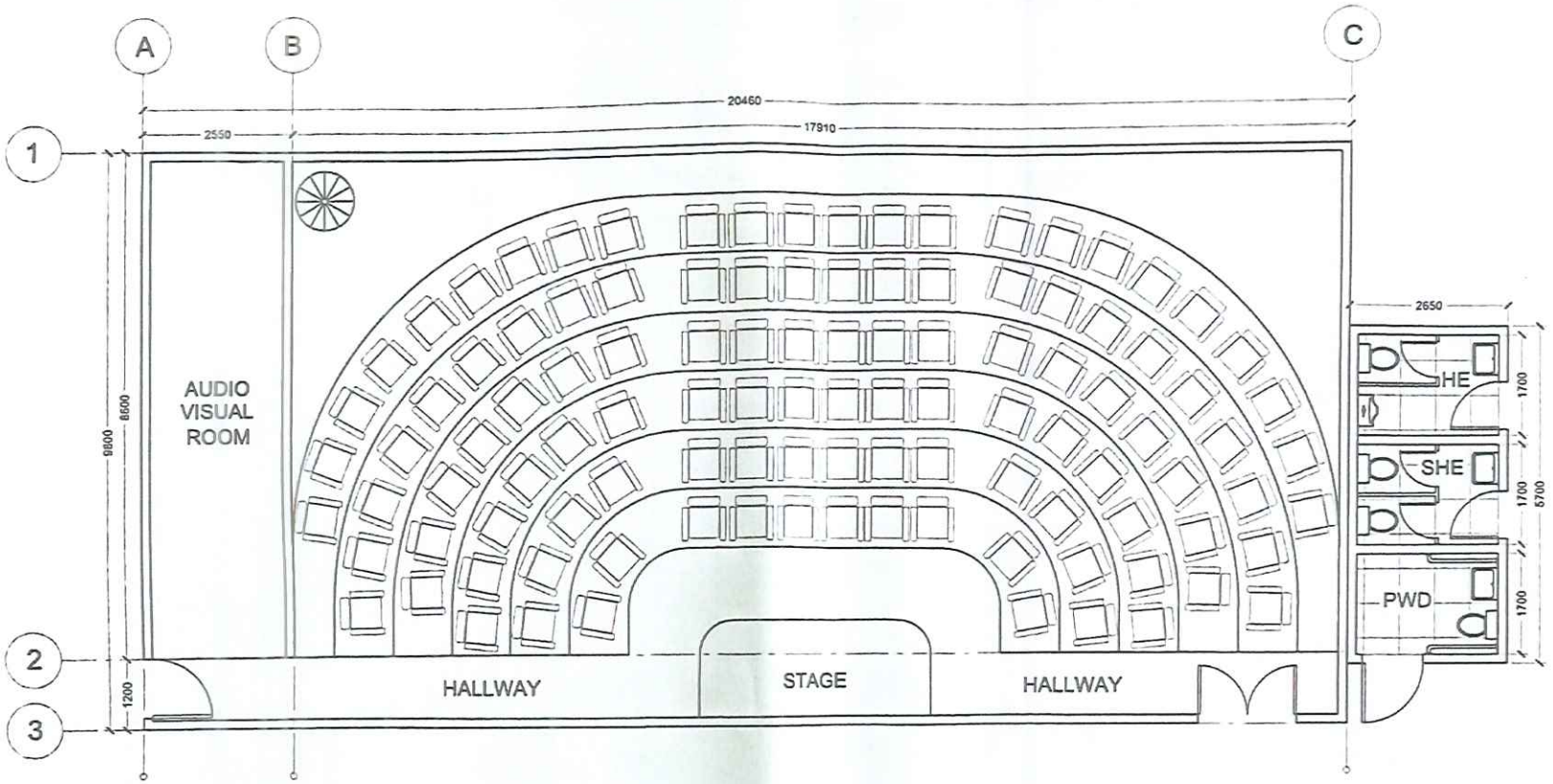
SLSU MAIN CAMPUS



2 / A-1 SITE DEVELOPMENT PLAN
SCALE : NTS

3 / A-1 VICINITY MAP
SCALE : NTS

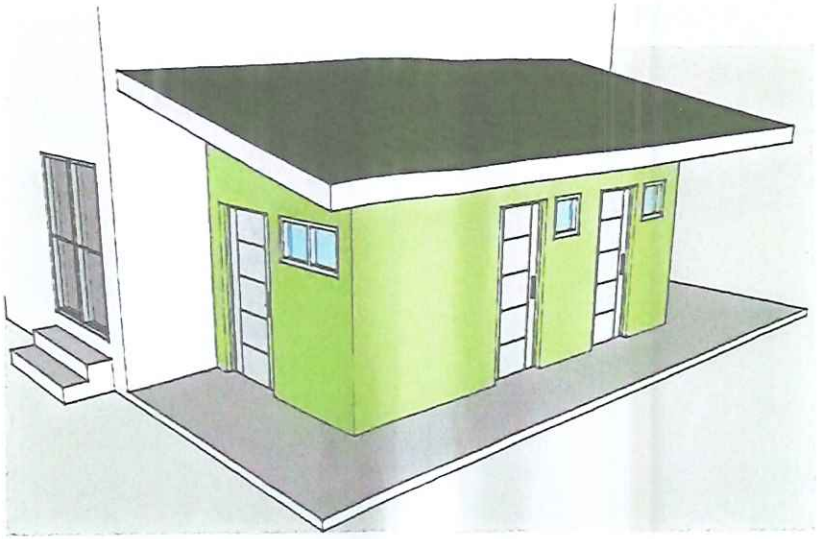
CIVIL/STRUCTURAL ENGINEER	PROJECT TITLE	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENT	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOEVE T. TORALES	ENGR. MELVIN A. MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	KEY PLAN SITE DEVELOPMENT PLAN VICINITY MAP	A-1



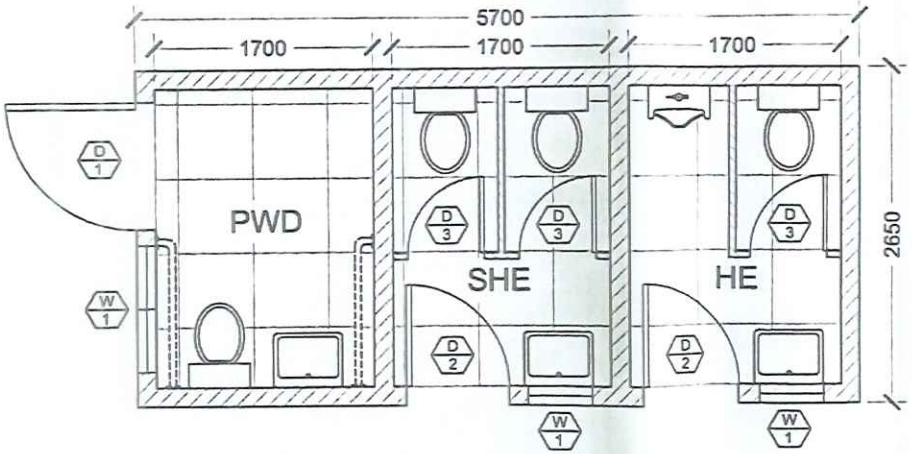
1 / A-2 FLOOR PLAN

SCALE 1:50

CIVIL/STRUCTURAL ENGINEER	PROJECT TITLE: UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	DRAWN BY: ENGR. JOE MARINO P. ABUTAL, ASSISTANT PLANNING ENGINEER	REVIEWED BY: ENGR. JOYCE E. MORALES, PROJECT DEVELOPMENT OFFICER - I	RECOMMENDING APPROVAL: ENGR. MELVIN A. LAPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	SHEET CONTENT: FLOOR PLAN	SHEET #: A-2



1 / A-3 PERSPECTIVE
SCALE : NTS.



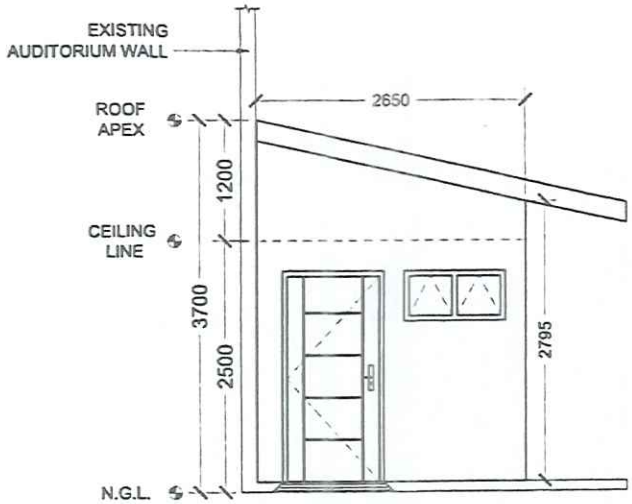
2 / A-3 FLOOR PLAN
SCALE : 1:40

LEGEND :

- 150mm thk CHB Walls (Plastered)
- Modular Partitions (Doors Inc.)

* Floor Finishes - 60 x 60 Unglazed Ceramic Tiles

CIVIL/STRUCTURAL ENGINEER	PROJECT TITLE:	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOELE MORALES	ENGR. MELVIN A. MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	PERSPECTIVE COMFORT ROOMS FLOOR PLAN	A-3



1 A-4 FRONT ELEVATION
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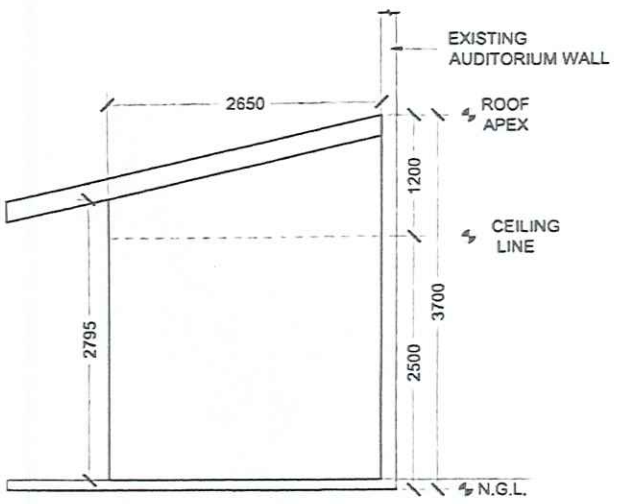

2 A-4 REAR ELEVATION
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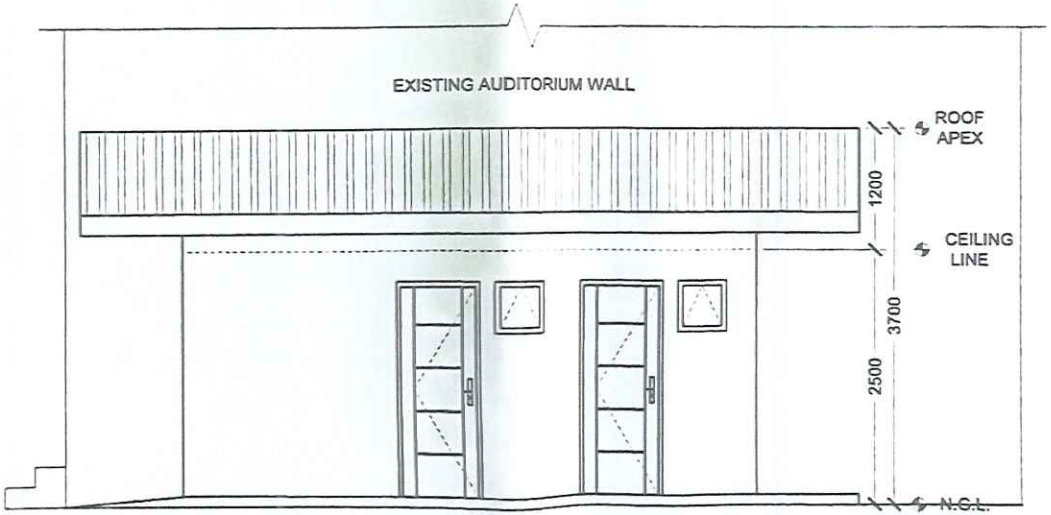
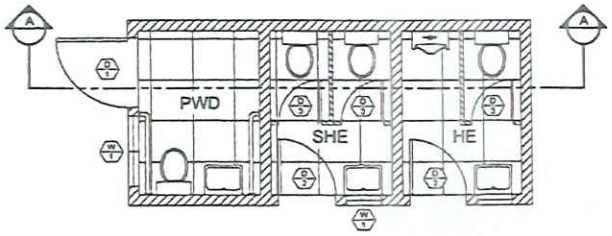
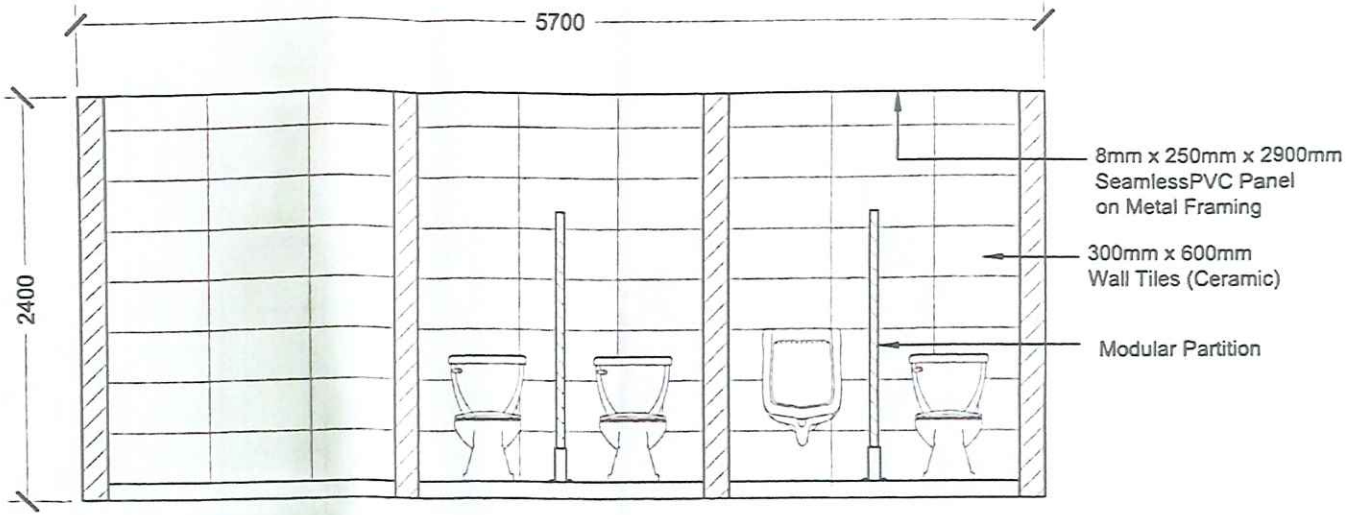


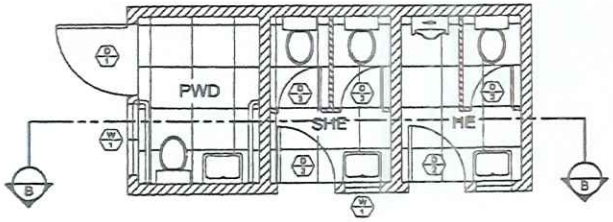
3 A-4 RIGHT SIDE ELEVATION
SCALE : 1:50

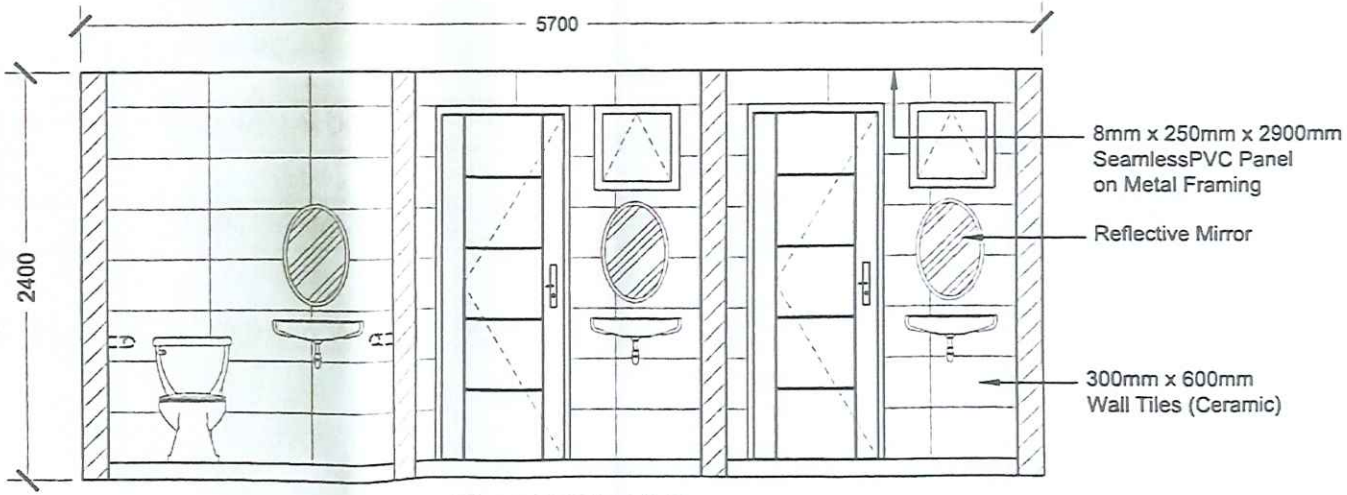
CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOLE E. MORALES	ENGR. MELVIN [illegible]AKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA	FRONT ELEVATION REAR ELEVATION RIGHT SIDE ELEVATION	A-4





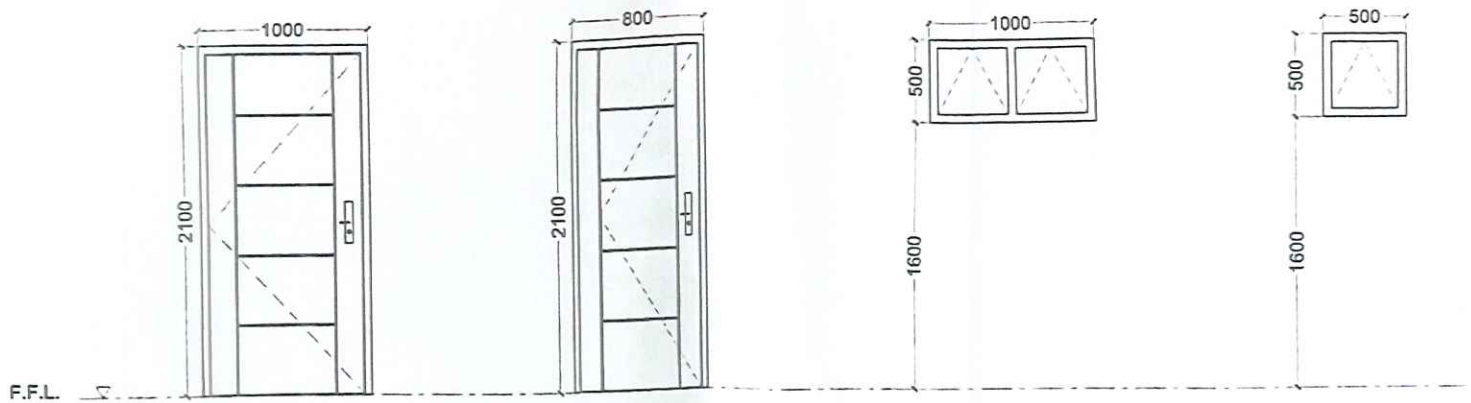
1 / A-5 SECTION A-A
SCALE : 1:30





2 / A-5 SECTION B-B
SCALE : 1:30

CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOELY MORALES PROJECT DEVELOPMENT OFFICER - I	ENGR. MELVIN MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	SECTION A-A SECTION B-B	A-5



DESIGNATION	D-1	D-2	W-1	W-2
DESCRIPTION	ALUMINUM DOOR	ALUMINUM DOOR	Awning Window 6mm thk Glass on Powder Coated Frame	Awning Window 6mm thk Glass on Powder Coated Frame
NO. OF SETS	1 SET/S	2 SET/S	1 SET/S	2 SET/S
LOCATION	PWD CR	FEMALE & MALE CR	PWD CR	FEMALE & MALE CR

1 / A-5 DOORS & WINDOW SCHEDULE

SCALE : 1:30

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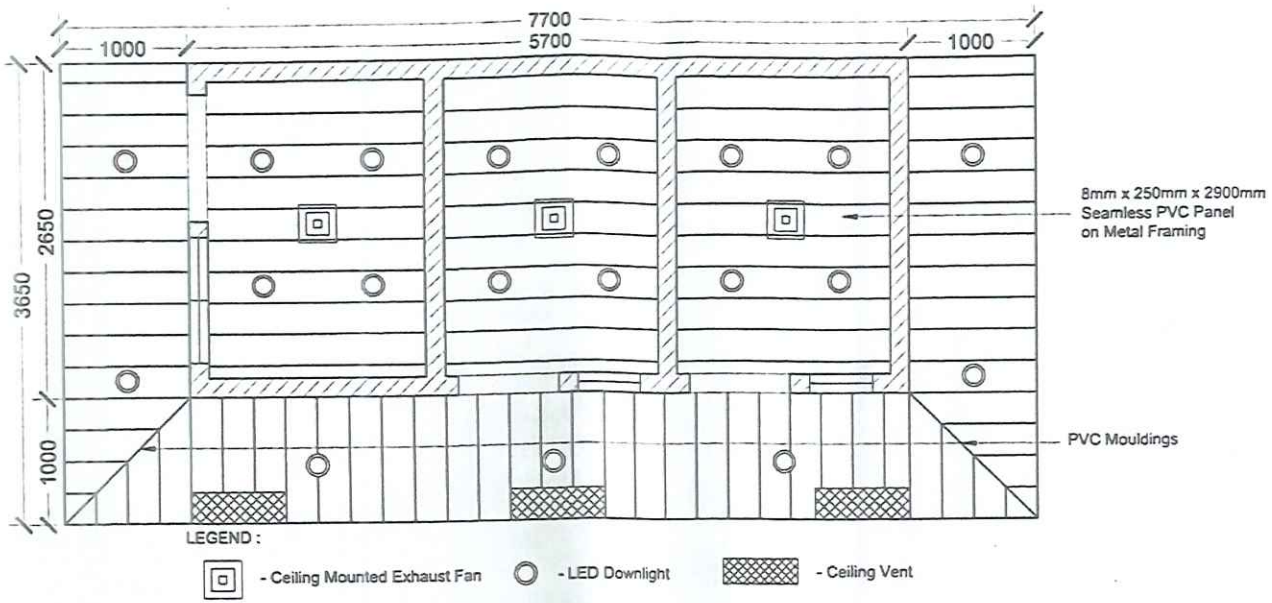
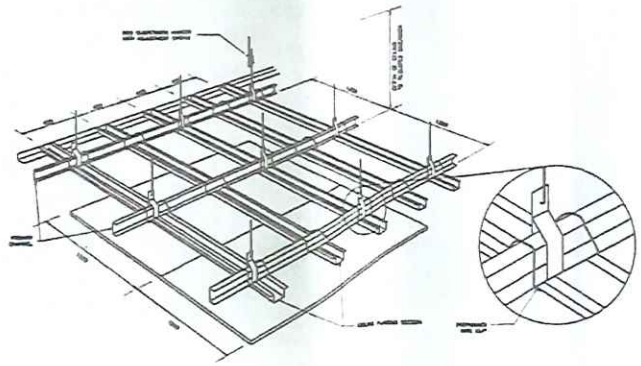


1 / A-7 REFLECTED CEILING PLAN

SCALE : 1:40



2 / A-7 METAL FRAMING PLAN

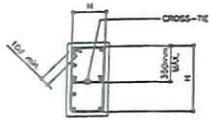
SCALE : NTS

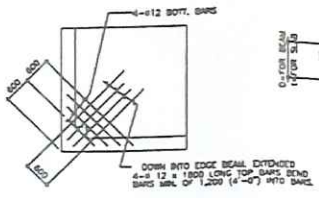
CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	DRAWN BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOEY E. MORALES PROJECT DEVELOPMENT OFFICER - A	ENGR. MELVIN R. MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	CEILING PLAN LAY-OUT METAL FRAMING PLAN	A-7

TABLE OF LAP SPLICE & ANCHORAGE LENGTH			
BAR SIZES (MM)	LAP SPLICES LENGTH		ANCHORAGE LENGTH (M)
	TYPE "A"	TYPE "B"	
ø10	0.40	0.30	0.60
ø12	0.45	0.35	0.60
ø16	0.61	0.40	0.60
ø20	0.78	0.56	0.60
ø25	1.10	0.90	0.60
ø28	1.40	1.20	0.86
ø32	1.80	1.40	1.12
ø36	2.41	1.84	1.43

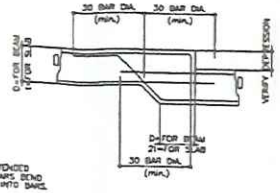
NOTES:
1. TYPE "A" BUNDLED BARS. TYPE "B" INDIVIDUAL BARS
2. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH

NOTES:
1. YIELD STRESS OF HOOPS = 33 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

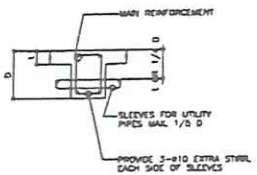




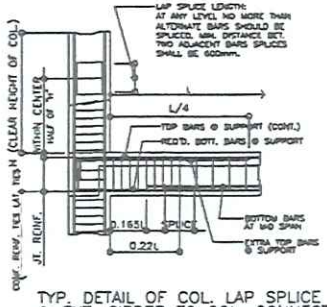
TYPICAL CORNER SLAB DETAIL



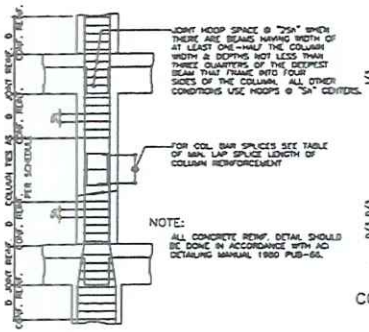
TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT



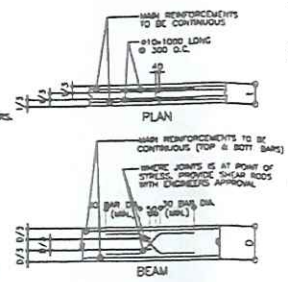
TYP. DET. FOR SLEEVES THRU CONCRETE BEAM



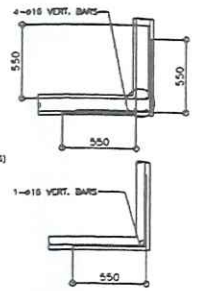
TYP. DETAIL OF COL. LAP SPLICE & EXT. GIRDER TO COL. CONNECT.



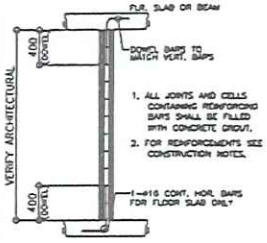
TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



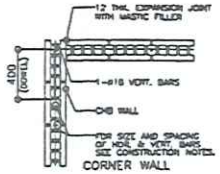
TYPICAL SLAB & BEAM CONSTRUCTION JOINT DET.



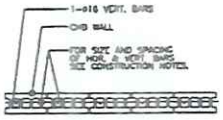
TYPICAL CONNECTION DETAIL OF R.C. WALL AT CORNERS



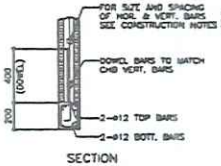
TYP. SECTION OF MASONRY PARTITION REINFORCEMENTS



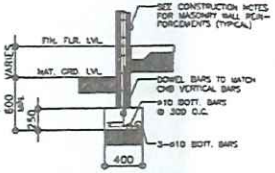
CORNER WALL

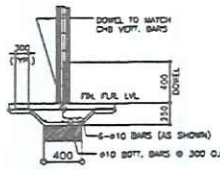


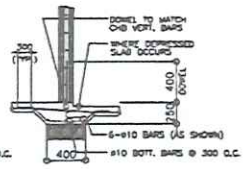
OPENING OR END WALL



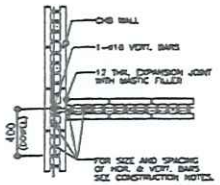
SECTION



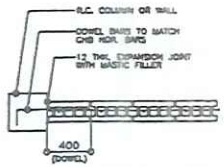




TYPICAL CHB FOOTING DETAILS (WHERE APPLICABLE)

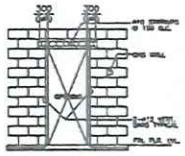


INTERSECTION WALL



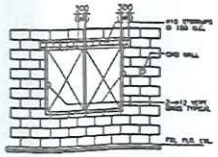
INTERSECTING R.C. COL. OR WALL

TYPICAL CONNECTION DETAIL OF MASONRY WALL



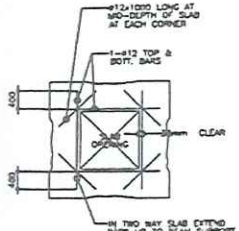
ELEVATION

TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING (DOOR)



ELEVATION

TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING (WINDOW)



TYP. SLAB OPENING DET.

CONSTRUCTION NOTES

A. GENERAL
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. 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.
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 EMBEDDED IN CONCRETE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING & BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

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

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
ALL OTHERS, INCLUDING SUSPENDED SLABS	3,100 PSI	3/4 IN. (19 MM)	4 IN. (100 MM)
COLUMNS, R.C. WALLS	3,100 PSI	3/4 IN. (19 MM)	4 IN. (100 MM)
BEAMS, GIRDERS	3,100 PSI	3/4 IN. (19 MM)	4 IN. (100 MM)
SLAB ON GRADE	3000 PSI	3/4 IN. (19 MM)	4 IN. (100 MM)

3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 33 FOR DIAMETER 12 & SMALLER BARS AND GRADE 60 FOR DIA. 16 AND LARGER BARS.
4. IN GENERAL THE LATEST EDITION OF ACI-318, 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 IN. (19 MM)
   - SLAB ON GRADE — 1 1/2 IN. (38 MM)
   - WALLS ABOVE GRADE — 1 IN. (25 MM)
   - BEAM STIRRUPS AND COLUMN TIES — 1 1/2 IN. (38 MM)
   - WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS — 2 IN. (50 MM)
   - WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH — 3 IN. (75 MM)
6. SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE W/ TABLE 1 (TABLE OF LAP SPLICE & 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 & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT'S 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 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 — 8 DAYS
    - WALLS — 18 HRS.
    - BEAMS — 14 DAYS

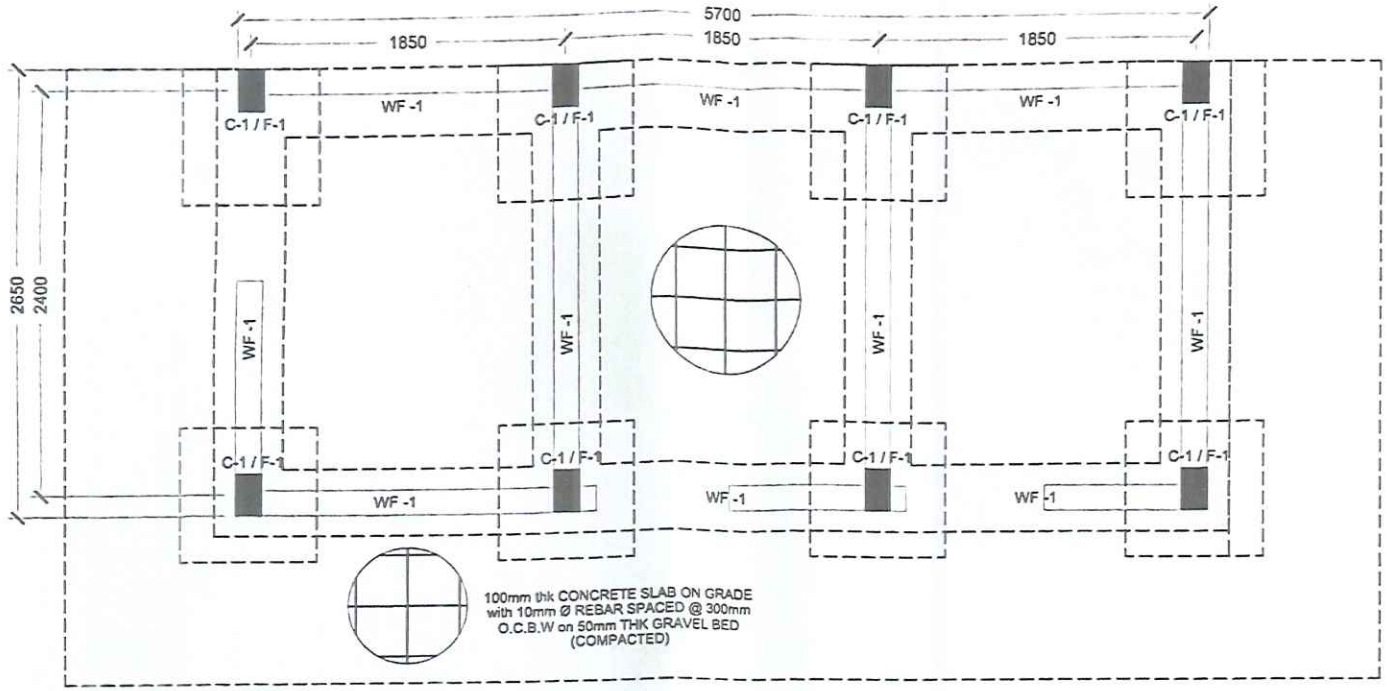
C. MASONRY AND CONCRETE BLOCKS
1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 1700 PCF. FOR LOAD BEARING TYPE, TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 5.80 MPA SHALL BE DEVELOPED.
2. PROVIDE 1-ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS AND EACH SIDE OF OPENINGS.
3. LINTEL BEAMS SHALL REAR 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	ø12 @ 600 MM
6 IN. (150 MM)	ø12 @ 600 MM	ø12 @ 600 MM
4 IN. (100 MM)	ø10 @ 600 MM	ø12 @ 600 MM

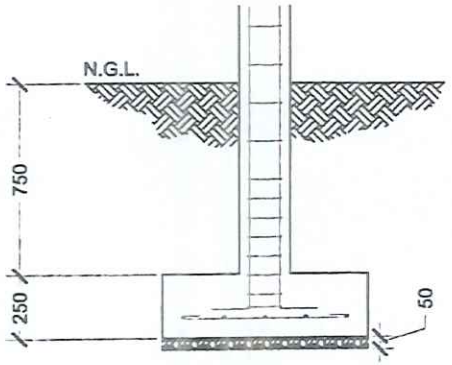
5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS WHERE SPLICE DOWELS FROM FOOTING OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 40 BAR DIAMETERS, AND DOWELS TO MATCH.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT (REFER TO SPECIFICATIONS).

D. FOUNDATION
1. SOIL BEARING CAPACITY 100 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 COMBINED 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 EXCAVATE 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 COMPACTED SAND/GRAVEL BACKFILL MATERIALS COMPACTED AS DESIRED BY THE ENGINEER.

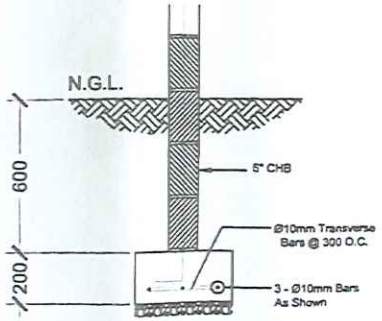
CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL, ASSISTANT PLANNING ENGINEER	ENGR. JOSE E. MORALES, PROJECT DEVELOPMENT OFFICER - I	ENGR. MELVIN A. MAKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	GENERAL NOTES	S-1



1 / S-2 FOUNDATION PLAN
SCALE : 1:30



2 / S-2 COLUMN FTG. DETAIL
SCALE : 1:30



3 / S-2 WALL FTG. DETAIL
SCALE : 1:30

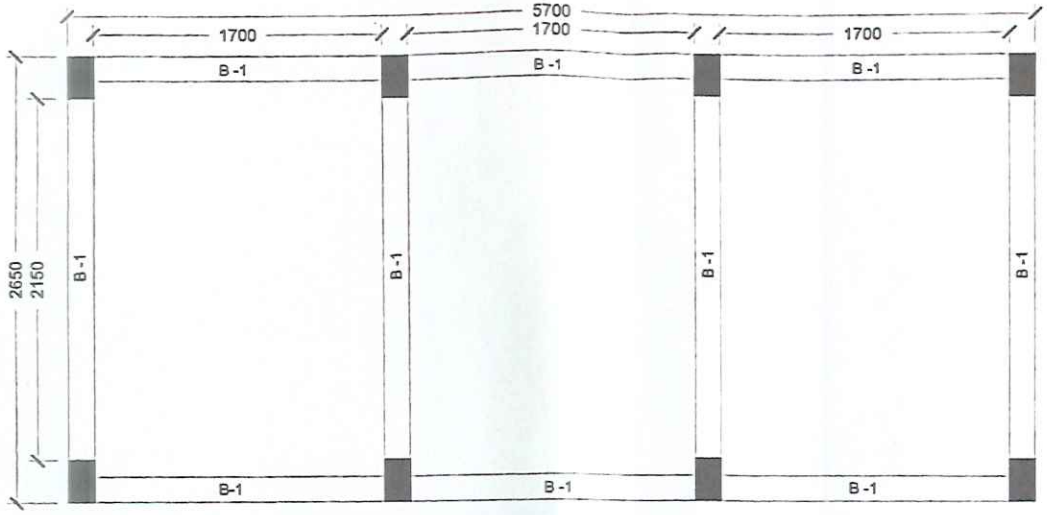
(f 'c = 3000 psi fy = 40,000 psi)

COLUMN & BEAM DETAIL		
LEVEL	C-1	B-1
FOUNDATION LEVEL TO TOP OF ROOF BEAM	150 / 250 MAIN BAR : 4 - Ø 16mm TIES : Ø 10mm 1@50mm, 8@75mm, REST @150mm on CENTER	150 / 200 MAIN BAR : 4 - Ø 12mm TIES : Ø 10mm 1@50mm, 4@100mm, REST @ 150mm on CENTER

(f 'c = 3000 psi fy = 40,000 psi)

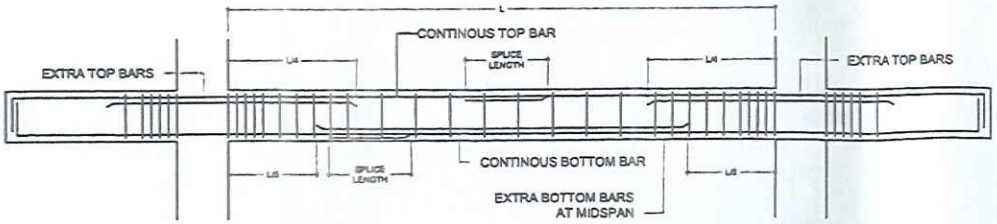
FOOTING SCHEDULE			
MARK	SIZE (L x W x D)	DEPTH OF FOOTING	REINFORCEMENTS # OF BARS
F-1	800 x 800 x 250	1000	5 - Ø16mm both ways

CIVIL/STRUCTURAL ENGINEER	PROJECT TITLE:	DRAWN BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOEL E. MORALES PROJECT DEVELOPMENT OFFICER - I	ENGR. MELVIN A. MAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	FOUNDATION PLAN COLUMN FOOTING DETAIL WALL FOOTING DETAIL	S-2



1 / S-3 FRAMING PLAN

SCALE : 1:30



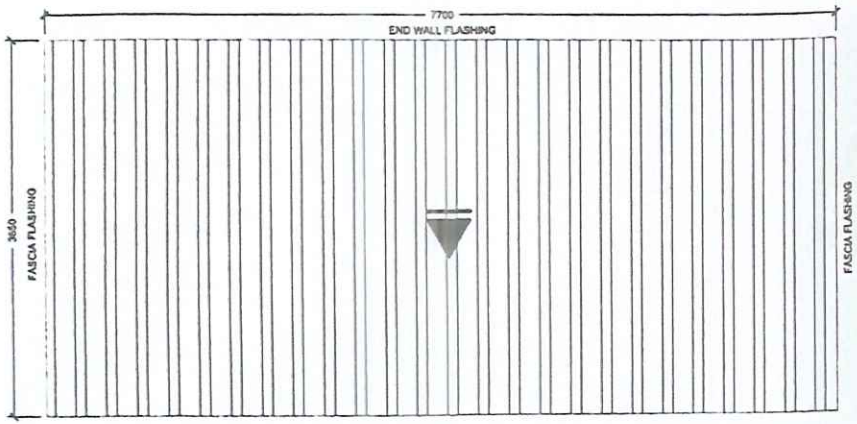
2 / S-3 TYPICAL BEAM DETAIL

SCALE : NTS.

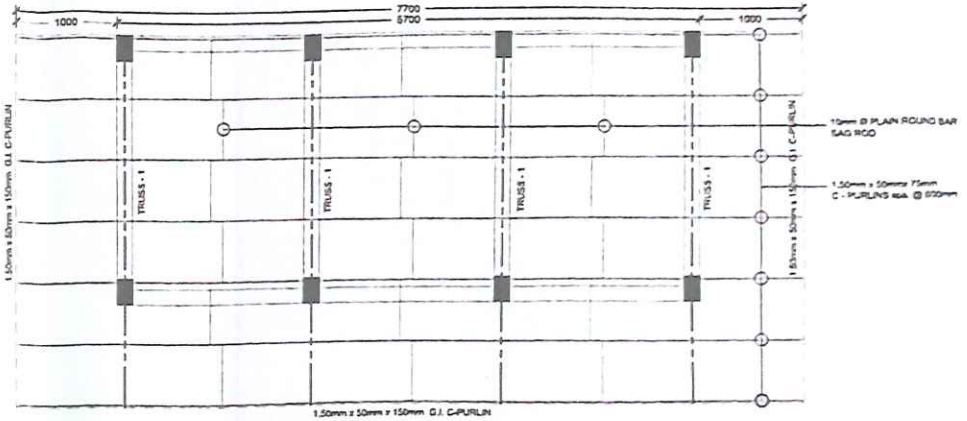
SCHEDULE OF BEAMS (f 'c = 3000 psi fy = 40,000 psi)

MARK	SECTION		REBAR dia. (mm)	@ SUPPORT		@ MIDSPAN		STIRRUP SPACING
	b (mm)	d (mm)		TB	BB	TB	BB	
B-1	150	200	12	2	2	2	2	10mm Ø,1@50, 4@100, REST @150

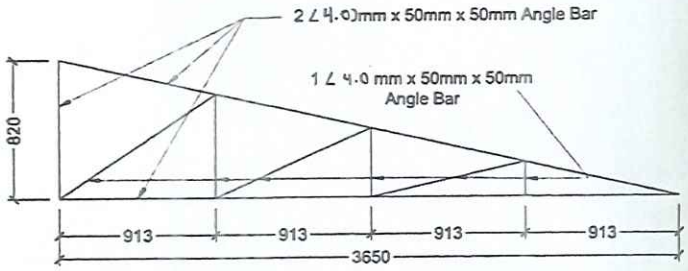
CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. JOEL C. MORALES PROJECT DEVELOPMENT OFFICER - I	ENGR. MELVIN J. LAKIPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	FRAMING PLAN TYPICAL BEAM DETAILS SCHEDULE OF BEAMS	S-3



1 S-4 ROOF PLAN
SCALE : 1:50

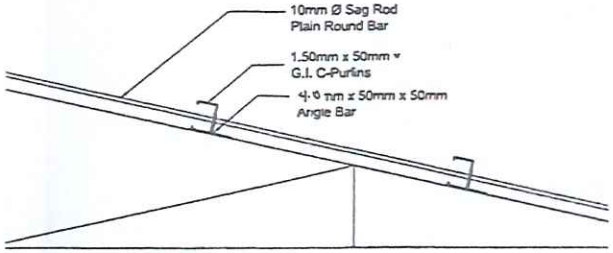


2 S-4 ROOF FRAMING PLAN
SCALE : 1:50



Note : Exterior Sidings 4.50mm thk Fiber Cement Board

3 S-3 TRUSS -1 DETAIL
SCALE : 1:30



4 S-3 CONNECTION DETAILS
SCALE : NTS.

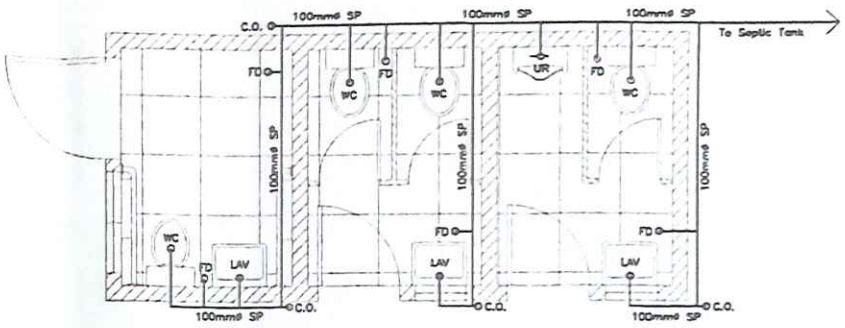
CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENT:	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL ASSISTANT PLANNING ENGINEER	ENGR. DEVE MORALES PROJECT DEVELOPMENT OFFICER - I	ENGR. MELVIN A. MAMPAGAY DIRECTOR, PROJECT MANAGEMENT OFFICE	DR. FREDERICK T. VILLA UNIVERSITY PRESIDENT	ROOF PLAN ROOF FRAMING PLAN TRUSS -1 DETAILS CONNECTION DETAILS	S-4

PLUMBING & SANITARY NOTES:

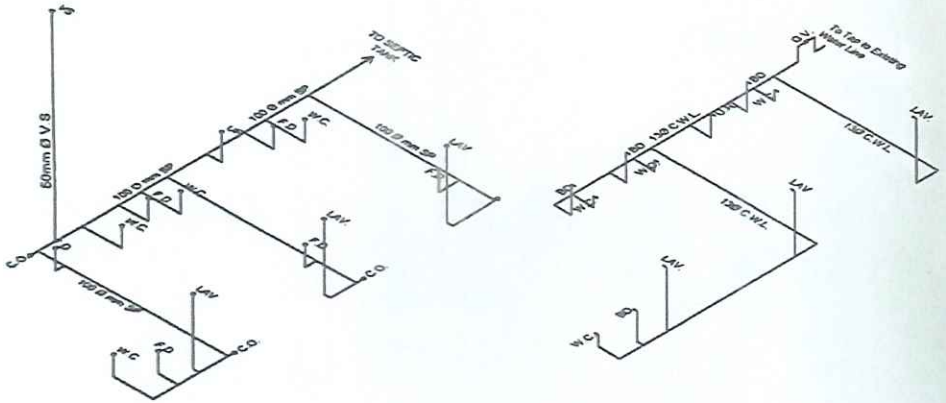
1. ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF OF THE LATEST EDITION OF THE PHILIPPINE PLUMBING CODE AND WITH THE RULES AND REGULATIONS OF THE LOCAL SANITARY AGENCY.
2. ALL MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR ITS LOCATION AND PURPOSE.
3. USE PVC SANIMOLD FOR SANITARY WASTE SYSTEM AND G.I. PIPE SCHEDULE 40 FOR CLEAN WATER SUPPLY SYSTEM.
4. ALL WORKS SHALL BE OF CLASS WORKMANSHIP PIPING SYSTEM AND MUST BE CHECKED SPECIALLY ON JOINTS TO ENSURE A WATER TIGHT PLUMBING SYSTEM.
5. ALL WORKS HEREIN SHALL BE DONE UNDER THE THE DIRECT SUPERVISION OF A DULY LICENSED SANITARY ENGINEER OR MASTER PLUMBER.

LEGENDS:

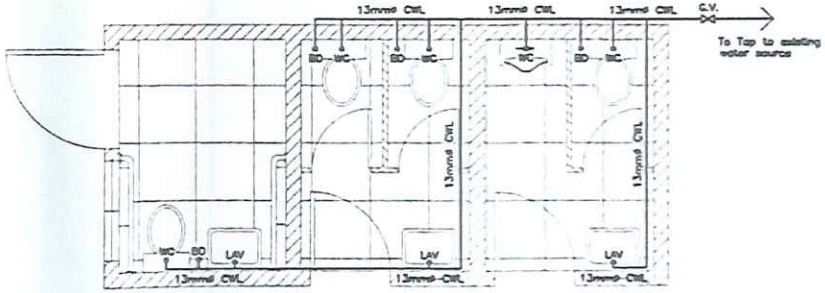
WC – WATER CLOSET
LAV – LAVATORY
FD – FLOOR DRAIN
CO – CLEAN OUT
F – FAUCET
DS – DOWNSPOUT
CB – CATCH BASIN
GV – GATE VALVE
VSTR – VENTILATION THRU ROOF
DP – DRAIN PIPE
WP – WASTE PIPE



1 P-1 **DRAINAGE LAY-OUT**
SCALE : 1:50



3 P-1 **ISOMETRIC LAY-OUT**
SCALE : NTS



2 P-1 **WATER LINE LAY-OUT**
SCALE : 1:50

CIVIL/STRUCTURAL ENGINEER	PROJECT TITLE: UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	DRAWN BY: ENGR. JOE MARINO P. ABUTAL, ASSISTANT PLANNING ENGINEER II	REVIEWED BY: ENGR. JOEVE E. MORALES, PROJECT DEVELOPMENT OFFICER - I	RECOMMENDING APPROVAL: ENGR. MELVINA M. MAKIPAGAY, DIRECTOR, PROJECT MANAGEMENT OFFICE	APPROVED BY: DR. FREDERICK T. VILLA, UNIVERSITY PRESIDENT	SHEET CONTENT: GENERAL NOTES; LEGEND; DRAINAGE LAY-OUT; WATER LINE LAY-OUT; ISOMETRIC LAY-OUT	SHEET # P-1

GENERAL ELECTRICAL NOTES:

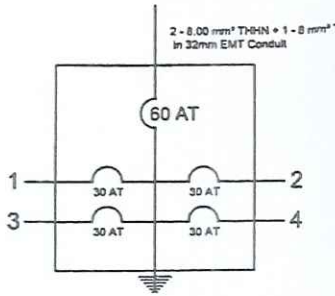
1. ALL ELECTRICAL WORKS SHALL BE IN ACCORDANCE WITH PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, REQUIREMENTS OF THE LOCAL AUTHORITIES ENFORCING THE CODE, AND REQUIREMENTS OF THE POWER SERVICE COMPANY CONCERNED.
2. ALL WIRES SHALL BE COPPER TYPE T.W. ON THE INTERMEDIATE METALLIC CONDUIT OR UNLESS OTHERWISE SPECIFIED.
3. ALL JUNCTION UTILITY, SQUARE AND PULL BOXES SHALL BE GAUGE #16 OR APPROVED EQUIVALENT AND BE PAINTED WITH ONE COAT OF PRIMER PRIOR TO INSTALLATION.
4. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND OF THE APPROVED TYPE, APPROPRIATE WITH THE LOCATION AND INTENDED USED.
5. POWER SUPPLY SHALL BE 240 VOLTS, SINGLE PHASE, 60 Hz, TWO WIRE SYSTEM.
6. ALL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY QUALIFIED LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.
7. MINIMUM SIZE OF CONDUCTORS SHALL BE 2.00mm2 T.W. ON 13mmø TRADE SIZE.
8. MOUNTING HEIGHT FROM FINISH FLOOR LINE TO THE CENTER LINE OF DEVICES SHALL BE AS FOLLOWS:

CONVENIENCE OUTLET	300mm
LIGHT SWITCHES	150mm
PANEL BOARDS	1800mm
ELECTRICAL METER	1500mm
SERVICE ENTRANCE	5400mm

9. ALL VERTICAL AND HORIZONTAL CONDUIT SHALL BE CONCEALED OR EMBEDDED ON CONCRETE WALLS AND FLOORS.
10. ALL CONDUITS SHALL BE PROPERLY REAMED PRIOR TO INSTALLATION TO AVOID.
11. WORKMANSHIP OF THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER KNOWN TO THE TRADE TO THE SATISFACTION OF THE ARCHITECT AND THE ENGINEER.

LEGENDS:

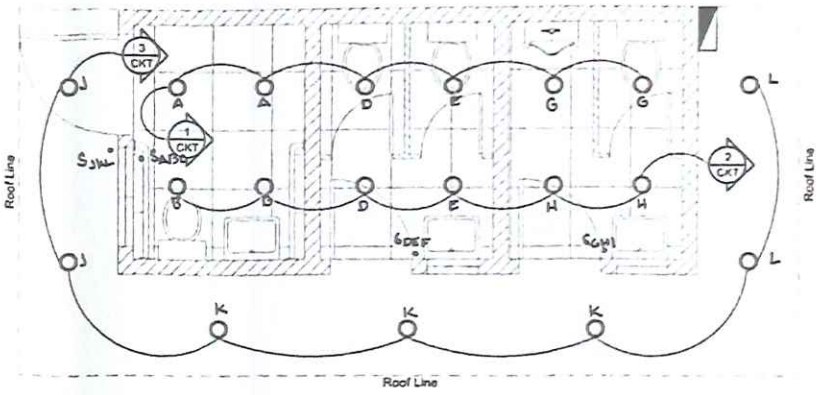
- PANEL BOARD
- CONVENIENCE OUTLET
- LED DOWNLIGHT
- CIRCUIT BREAKER
- SERVICE ENTRANCE
- (M) KILOWATT HOUR METER
- CEILING MOUNTED EXHAUST FAN



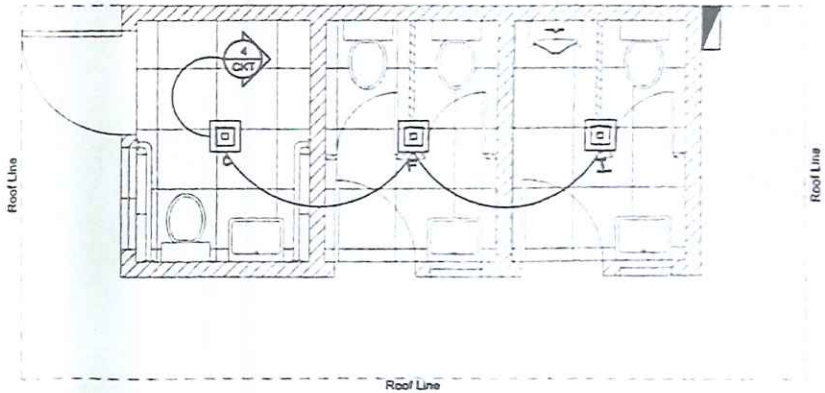
3 / E-1 RISER DIAGRAM
SCALE : NTS

LOAD DESCRIPTION	NO. OF FIXTURES	WATTS	TOTAL WATTS	AMPHERE	PROTECTION AF	P	AT	WIRE CONDUCTOR SIZE STRANDED COPPER	GROUNDING	CONDUIT
LED Down Light	12	18	240	1.09	30	1P	30	2 - 3.50mm²	1 - 3.50mm²	20 mm
Exhaust Fan	3	38	114	0.52	30	1P	30	2 - 3.50mm²	1 - 3.50mm²	20 mm
TOTAL WATTS = 354 W										

4 / E-1 SCHEDULE OF LOADS
SCALE : NTS



1 / E-1 LIGHTING LAY-OUT
SCALE : 1:50



2 / E-1 EXHAUST FAN LAY-OUT
SCALE : 1:50

CIVIL/STRUCTURAL ENGINEER	PROJECT TITLE	DRAWN BY:	REVIEWED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENT	SHEET #
	UPGRADING OF COLLEGE OF ALLIED MEDICINE AUDITORIUM (PHASE II)	ENGR. JOE MARINO P. ABUTAL	ENGR. [illegible] E. MORALES	ENGR. MELVIN A. MAKIPAGAY	DR. FREDERICK T. VILLA	LIGHTING LAY-OUT EXHAUST FAN LAY-OUT	E-1