



MARIANO MARCOS STATE UNIVERSITY

Bids and Awards Committee

INVITATION TO MAKE AN OFFER: Negotiated Procurement

21-018

THE PROJECT: Rehabilitation of Comfort Rooms, MMSU, College of Law

Number of Working Days: 50 calendar days

ABC: P199,992.08

1. The Mariano Marcos State University (MMSU), with offices at Quiling Sur, City of Batac, Ilocos Norte, invites the public to make an offer to furnish all labor, materials, tools and equipment necessary and proper for the implementation of the above Project as per approved designs, plans and drawings.
2. This process is in accordance with Section 53 of R.A. 9184, the Government Procurement Reform Act and Section 53.9 of the Implementing Rules and Regulations where interested and qualified contractors are to submit proposals.
4. The offer must be in writing submitted at the address below on or before **November 12, 2021, 2:00 PM** together with the following documents:
 - a) The amount of the offer in writing duly signed by the person making the offer, indicated in numbers and figures.
 - b) The particulars of the offer as to labor, materials, tools, equipment and other work details.
 - c) Documents in support of the legal, technical and financial capability of the person making the offer, which documents shall be confirmed and verified (3 copies).
5. It is understood that any offer may be accepted or rejected, or the process invalidated, at any time prior to contract award, without liability to anyone.
6. Documents for this procurement may be secured from the MMSU BAC Secretariat at the address below or downloaded from the MMSU website or from the Philippine Government Electronic Procurement System (PhilGEPS) website.
7. For questions and inquiries, please write or email the University President, thru the BAC Chair, at the address indicated below.

Mariano Marcos State University
 Quiling Sur, City of Batac
www.mmsu.edu.ph

November 8, 2021

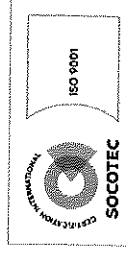
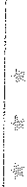
NATHANIEL R. ALIBUYOG
 BAC CHAIR

Received: _____ Received: _____ Received: _____

Rm105 FEM Hall, MMSU, #16S Quiling Sur, City of Batac, Ilocos Norte
 ☒ bac@mmsu.edu.ph ☎ (077) 600-0459 www.mmsu.edu.ph



STARS
 RATING SYSTEM





Republic of the Philippines
MARIANO MARCOS STATE UNIVERSITY
City of Batac, 2906, Ilocos Norte

BILL OF QUANTITIES

Project Title: Rehabilitation of Comfort Rooms, MMSU, College of Law

Project Location: **MMSU-COL, City of Batac, Ilocos Norte**


ITEM NO.	DESCRIPTION	QUANTITY	UNIT
I	Demolition/Chipping Works	53.28	sq.m.
II	Millworks	5.80	sq.m.
III	Painting Works	53.28	sq.m.
IV	Tile Works	103.15	sq.m.
V	Plumbing Works	1.00	lot



SPECIFICATIONS

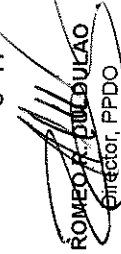
Project Title: **Rehabilitation of Comfort Rooms, MMSU, College of Law**
 Project Location: **MMSU-COL, City of Batac, Ilocos Norte**

ITEM NO.	DESCRIPTION
I.	<p><u>Demolition Works</u> Demolition/Chipping of existing tiles and fixtures of comfort rooms Health and Safety requirements Temporary security and enclosure</p>
II.	<p><u>Millworks</u> 0.78 m. x 2.10 Wood panel doors(painted/varnished), complete with accessories and hardwares 0.60 m. x 2.10 Wood panel doors(painted/varnished), complete with accessories and hardwares</p>
III.	<p><u>Painting Works</u> Gloss Paint, Whisper Beige or approved equal Flat Latex Concere Paint Masonry Putty Sand Paper</p>
IV.	<p><u>Tile Works</u> 0.60 m x 0.60 m glazed wall tiles 0.60 m x 0.60 m non-slip floor tiles Fine aggregates Portland Cement Tile Adhesive, 25 kg. Tile Grout, 2 kg. Diamond Tile Cullet, 400g.</p>
V.	<p><u>Plumbing Works</u> Dula Flush Water Closet Urinal complete with accessories Wall hung type lavatory with complete accessories 4 "x 4 "stainless seamless floor drain 1/2 "dia. Shower head with valve 4" PVC Pipe(Sanitary) 3" PVC Pipe(Sanitary) 2" PVC Pipe(Sanitary) 3" PVC 90 deg elbow(Sanitary) 2" PVC 90 deg. Elbow(Sanitary) 4" PVC 45 deg. Elbow(Sanitary) 2"PVC P-trap fro floor drain 2PVC Clean out 4"x 2" sanitary bushing 4"x 4" Wye 4"x 3"wye 4"x 2"wye Solvent Cement 400cc 1/2"Diam. G.I. Tee 1/2"Diam. G.I. Elbow 1/2" Gate Valve 1/2"x1/2"Diam. Angle Valve Supply Teflon Tape</p>

Prepared By:

AIDA V. CABANG
 Architect IV

Recommending Approval:

DENNIS CAYDE G. ACANTILADO
 Mechanical Engineer/Master Plumber

Recommending Approval:

ROMEO R. DULBUCAO
 Director, PPDO

Republic of the Philippines
MARIANO MARCOS STATE UNIVERSITY
Batac, Ilocos Norte

PROJECT INFORMATION DOCUMENT

**Project Title : REHABILITATION OF COMFORT ROOMS, MMSU
COLLEGE OF LAW**

Project Location : MMSU-COL, City of Batac, Ilocos Norte

The project calls for the furnishing of all materials, labor, tools and equipment needed for the refurbishment of comfort rooms of MMSU-College of Law Building in conformity to the designs, plans, drawings and other details, as well as the specifications, this Project Information Document and other related contract documents prepared and approved for this project.

It also calls for the employment of manpower with the appropriate skills and expertise to undertake the specific items of work and to enable the contractor to produce and deliver to the satisfaction of the owner the needed services and output required of this undertaking. In addition, the Contractor shall have adequate and readily available construction tools and equipment to be utilized during the construction activities of the project. It is also a must as it is necessary that the Contractor shall have regularly at the site a qualified project Engineer to administer strictly the implementation of the project, including maintaining a log book of construction activities, as well as receiving authorized University Officials and Inspectors.

General Instructions

The drawings and specifications are intended to be complimentary. Anything shown in the drawings but not mentioned in the specifications or vice-versa shall be done as if it were mentioned or indicated in both. If no numerical indications appear in the drawings, the measurement should be carefully followed according to the scale of the drawing. If there is conflict in ambiguity in the plans and specifications, the matter shall be presented for clarifications between contractor and MMSU.

The Contractor shall see to it that the construction activities must not interfere, obstruct or disturb the other adjacent rooms and facilities. The Contractor shall also provide its own water and power supply system needed in the proper execution of the contract.

Specifically, the project covers the rehabilitation of the comfort rooms of the College of Law Building at MMSU-Batac City, Ilocos Norte.

SCOPE OF WORKS

1. **Demolition/Chipping Works.** This includes the demolition and chipping of existing tiles and fixtures and pipings(if necessary) of comfort rooms located at the College of Law. The Contractor is advised to properly or carefully remove these materials. The Contractor shall inform the PPDO Office as well as the Supply Office before and after the demolition for them to instruct where to place the demolished materials and for

inventory purposes. The Contractor is required to restore and bring back areas or components of the building, to its original state, as part of the contract. This also include health and safety requirements and temporary enclosure to protect the adjacent areas during construction.

2. **Milworks.** This item shall consist of furnishing of all the materials, hardware, tools, labor and services necessary for the fabrication, delivery and installation of painted wood panel doors. The Contractor shall check the existing condition of the door openings making sure the new door shall be installed properly and finished accordingly. Sample of materials, design and color of materials be subject of approval by end-user and PPDO prior to purchasing and installation.
3. **Painting Works.** This scope of works includes painting of all masonry walls and other surfaces with three (3) coats of paints following the approved brand and quality of painting materials specified in the Program of Work and other related contract documents. The Contractor shall submit color swatches for the approval of end user, assisted by PPDO, prior to implementation.

For all concrete walls, apply one coat of latex primer and two coats of gloss paint (weather proofing paint) of the color to be chosen by the end user

Painting preparations for masonry surfaces shall include application of masonry putty to correct uneven wall surfaces during the process, properly cleaned after application. Make sure that all surfaces for painting shall be prepared evenly prior to painting activities.
4. **Tile Works.** This includes installation of 0.60 m. x 0.60 m. glazed wall tiles on walls of the Comfort Rooms, 0.60 m. x 0.60 m. non-slip wall tiles on the flooring of the same and as shown in the approved plans and drawings with the appropriate tile adhesive. Layout the tiles in such a way that the gap between each tiles on all sides shall be kept to a maximum of two millimeters (2 mm). Apply tile grout in between the laid out tiles using appropriate color consistent with the shade of the tiles or as approved by the end user. The Contractor shall present samples of the tiles to be used for the approval by the end-user prior to purchasing and installation.
5. **Plumbing Works.** This includes installation of plumbing fixtures, pipes and fittings following the layout and specifications indicated in the plans and specifications. The contractor shall employ the services of a registered master plumber to undertake and carry out the installation and layout of all pipes and fittings or it shall be under the direct supervision of a full time sanitary engineer for this scope of works.

Lavatory shall be vitreous china, wall hung type, complete with lever type faucets, supply pipe, stainless p-trap and mounting accessories.

All piping materials, fixtures and appliances, fittings and accessories whether specifically mentioned or not but necessary to complete the works shall be furnished and installed. Pipes shall be of quality made by reputable manufacturers free from defects and shall be true. Sanitary lines shall be uPVC Series 1000, for water lines shall be G.I Pipes. If there are existing pipes/fittings that are in good condition may be used as additional materials in the repair.

All soil and drainage pipe shall be sloped at 2% or 2cm per 1.0 meter run but in no case flatter than 1%. All changes in pipe sizes such as soil and waste lines shall be made with reducing fittings or recessed reducers. All changes in direction shall be made by appropriate use of 45 degrees fittings for soil and waste lines. All pipes shall be cut accurately to measurements and shall be worked into place without springing or forcing. All joints shall be neatly applied with marine epoxy to avoid leakage in sewer line pipes. Upon completion, thoroughly clean all fixtures and accessories to leave the work in a polished condition.

• **SUPPLEMENTARY PROVISIONS**

All other items or scope of works not mentioned in this document but shown and/or indicated in the plans, drawings and specifications, except where it is specifically mentioned as “to be provided by others”, the contractor shall likewise furnish all materials, labor and equipment necessary to complete the same.

In case that a conflict arise in specifications and quality of materials, installation procedure and in the plans and drawings as well as in the other contract documents before and during the implementation stage, the same should be referred to the end-user for proper resolution of the said conflict.

Where the above mentioned items or scope of works require the approval of the quality and design of the materials to be used or their testing before they are installed, embedded in concrete or enclosed with specified covering materials, the contractor shall secure from the University clearance or permission related hereto. The Contractor is required to pre-approve all materials needed in the construction prior to purchasing and installation.

After all the works have been completed, the surrounding immediate areas affected in the execution of the project shall be cleaned and cleared of all excess materials and debris, temporary structures, facilities and utilities used during the construction period. All spillages and scattered caused by the painting works, grouts, adhesives, as well as markings and signage shall likewise be removed to the full satisfaction of the Owner.

A. Time is a very important factor in the implementation of this project and as such, all works indicated in the plans, specifications and in this document shall be fully completed within **Fifty (50) calendar days** from receipt of the Notice to Proceed.

B. Before final acceptance by the end-user, the Contractor shall post a warranty security in accordance with the following schedule as prescribe in Section 62.2.3.3 of RA 9184

Form of Warranty Security	Amount of Warranty Security (Equal to percentage of the Total Contract Price)
a) Cash or Letter of Credit issued by a Universal or Commercial Bank: Provided, however, that the LC shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a	Five percent (5%)


foreign bank.	
b) Bank guarantee confirmed by a Universal or Commercial Bank.	Ten percent (10%)
c) Surety bond callable upon demand issue by GSIS or a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Thirty percent (30%)


to cover warranty against defects to cover the following periods as follows in accordance with Section 62.2.3.2

- a) Permanent Structures (15 years)
- b) Semi-Permanent Structures (5 years)
- c) Other Structures (2 years)

C. The Approved Budget for the Project to be bid is **One Hundred Ninety Nine Thousand Nine Hundred Ninety Two Pesos and 081/100 (PHP 199992.08).**

Prepared by:


AIDA V. CABANG
Architect, PPDO


DENNIS CLYDE G. ACANTILLADO
Mechanical Engineer/Master Plumber

Checked/Reviewed By:


ROMEO R. BULDULAO
Director, PPDO

Republic of the Philippines
MARIANO MARCOS STATE UNIVERSITY
 City of Batac, 2906, Ilocos Norte

DETAILED ESTIMATES

Item No.	Description	Quantity:	Unit:	Unit Price	Sub-Total
	Demolition/Chipping Works			53.28	
MATERIAL COST	Description	Quantity	Unit	Unit Price	Sub-Total
					-
				Sub-Total	-
				Unit Cost	-
EQUIPMENT COST	Description	Quantity	Days	Unit Price	Sub-Total
	Minor Tools				
	Total Equipment Cost			Sub-Total	-
				Unit Cost	-
LABOR COST	Description	Quantity	Unit	Unit Cost	Sub-Total
	Construction Foreman		days		-
	Skilled Laborer		days		-
	Unskilled Laborer		days		-
	Total Equipment Cost			Sub-Total	-
				Unit Cost	-

Direct Cost: -
 Direct Unit Cost: -
 Plus Indirect Cost
 OCM -
 CP -
 VAT -
 Indirect Unit Cost: -
 Total Direct and Indirect Cost: -

Republic of the Philippines
MARIANO MARCOS STATE UNIVERSITY
 City of Batac, 2906, Ilocos Norte

DETAILED ESTIMATES

Item No.	II	Quantity:	5.80		
Description	Millworks	Unit:	Sq.m.		
	Description	Quantity	Unit Price	Unit	Sub-Total
MATERIAL COST	Wood Panel Door (2.1mx0.60m.)	Sets.			-
	Wood Panel Door (2.1mx0.78m.)	Sets.			-
			Sub-Total		-
EQUIPMENT COST	Minor Tools		Unit Cost		-
		Quantity	Unit Price	Days	Sub-Total
	Total Equipment Cost		Sub-Total		-
LABOR COST		Quantity	Unit Cost	Unit	Sub-Total
	Construction Foreman			Unit	
	Skilled Laborer			days	
	Unskilled Laborer			days	
				Days	
	Total Equipment Cost		Sub-Total		-

*Revised

Direct Cost: -
 Direct Unit Cost: -
 Plus Indirect Cost
 OCM -
 CP -
 VAT -
 Indirect Unit Cost: -
 Total Direct and Indirect Cost: -

Republic of the Philippines
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 City of Batac, 2906, Ilocos Norte

DETAILED ESTIMATES

Item No.	Description	Quantity:	53.28	Sq.m.	Sub-Total
Painting Works		Unit:			
Description		Quantity	Unit	Unit Price	Sub-Total
MATERIAL COST	Gloss Paint, Wisper Beige		Gals.		-
	Flat Latex, Concrete Paint		Gals.		-
	Masonry Putty		Gals.		-
	Sand Paper		Pcs.		-
			Sub-Total		
		Unit Cost			-
EQUIPMENT COST	Description	Quantity	Days	Unit Price	Sub-Total
	Metal Scaffoldings				-
	Total Equipment Cost			Sub-Total	-
				Unit Cost	-
LABOR COST	Description	Quantity	Unit	Unit Cost	Sub-Total
	Construction Foreman		days		-
	Skilled Laborer		days		-
	Unskilled Laborer		days		-
	Total Equipment Cost			Sub-Total	-
				Unit Cost	-

Direct Cost: -
 Direct Unit Cost: -
 Plus Indirect Cost
 OCM -
 CP -
 VAT -
 Indirect Unit Cost: -
 Total Direct and Indirect Cost: -

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 City of Batac, 2906, Ilocos Norte

DETAILED ESTIMATES

Item No. Description	IV Tile Works Description	Quantity:		103.15	
		Unit:	Unit	Sq.m.	Sub-Total
MATERIAL COST	Comfort Rooms				
	30cm.x30cm. Non-Slip Floor Tiles(112 Pcs)		Sq.m.		-
	30cm.x30cm. Wall Tiles(420 Pcs)		Sq.m.		-
	Fine Aggregates		Cu.m.		-
	Portland Cement		Cu.m.		-
	ABC Tile Adhesive, 25 Kg.		Bags.		-
	ABC Tile Grout, 2 Kg.		Kgs.		-
Diamond Tile Cutter, 4"Ø		Pcs.		-	
			Sub-Total		-
			Unit Cost		-
EQUIPMENT COST	Minor Tools (10% Labor Cost)		Days	Unit Price	Sub-Total
		Quantity			
	Total Equipment Cost			Sub-Total	-
			Unit Cost		-
LABOR COST			Unit	Unit Cost	Sub-Total
	Construction Foreman	Quantity	Unit		
	Skilled Laborer		days		-
	Unskilled Laborer		days		-
			days		-
	Total Equipment Cost			Sub-Total	
			Unit Cost		-

Direct Cost: -
 Direct Unit Cost: -
 Plus Indirect Cost
 OCM -
 CP -
 VAT -
 Indirect Unit Cost: -
 Total Direct and Indirect Cost: -

Republic of the Philippines
MARIANO MARCOS STATE UNIVERSITY
 City of Batac, 2906, Ilocos Norte

DETAILED ESTIMATES

Item No.	V Plumbing Works	Quantity: Unit:	1.00 Lot.	Unit Price	Sub-Total
Description	Description	Quantity	Unit	Unit Price	Sub-Total
MATERIAL COST	Water Closet (Water Saver)		Sets.		-
	Urinal		set		-
	Wall-Hung type Lavatory with complete accessories		Sets.		-
	4"x4" Stainless Seamless Floor Drain		pcs.		-
	1/2"Diam. Shower Head with Valve		pcs.		-
	4" PVC Pipe(Sanitary)		pcs.		-
	3" PVC Pipe(Sanitary)		pc.		-
	2" PVC Pipe(Sanitary)		pcs.		-
	3" PVC 90 deg elbow(Sanitary)		pcs.		-
	2" PVC 90 deg. Elbow(Sanitary)		pcs.		-
	4" PVC 45 deg. Elbow(Sanitary)		pcs.		-
	2"PVC P-trap fro floor drain		pcs.		-
	2"PVC Clean out		pcs.		-
	4"x 2" sanitary bushing		pcs.		-
	4"x 4" Wye		pcs.		-
	4"x 3" wye		pcs.		-
	4"x 2" wye		pcs.		-
	Solvent Cement 400cc		cans		-
	1/2"Diam. G.I. Tee		pcs.		-
	1/2"Diam. G.I. Elbow		pcs.		-
1/2" Gate Valve		pc.		-	
1/2"x1/2"Diam. Angle Valve Supply		Pcs.		-	
Teflon Tape		rolls		-	
			Sub-Total		-
			Unit Cost		-
EQUIPMENT COST	Minor Tools	Quantity	Days	Unit Price	Sub-Total
	Total Equipment Cost			Sub-Total	-
			Unit Cost		-
LABOR COST	Construction Foreman	Quantity	Unit	Unit Cost	Sub-Total
	Skilled Laborer		days		-
	Unskilled Laborer		days		-
			days		
	Total Equipment Cost			Sub-Total	-
			Unit Cost		-

Direct Cost:

Direct Unit Cost:

Plus Indirect Cost

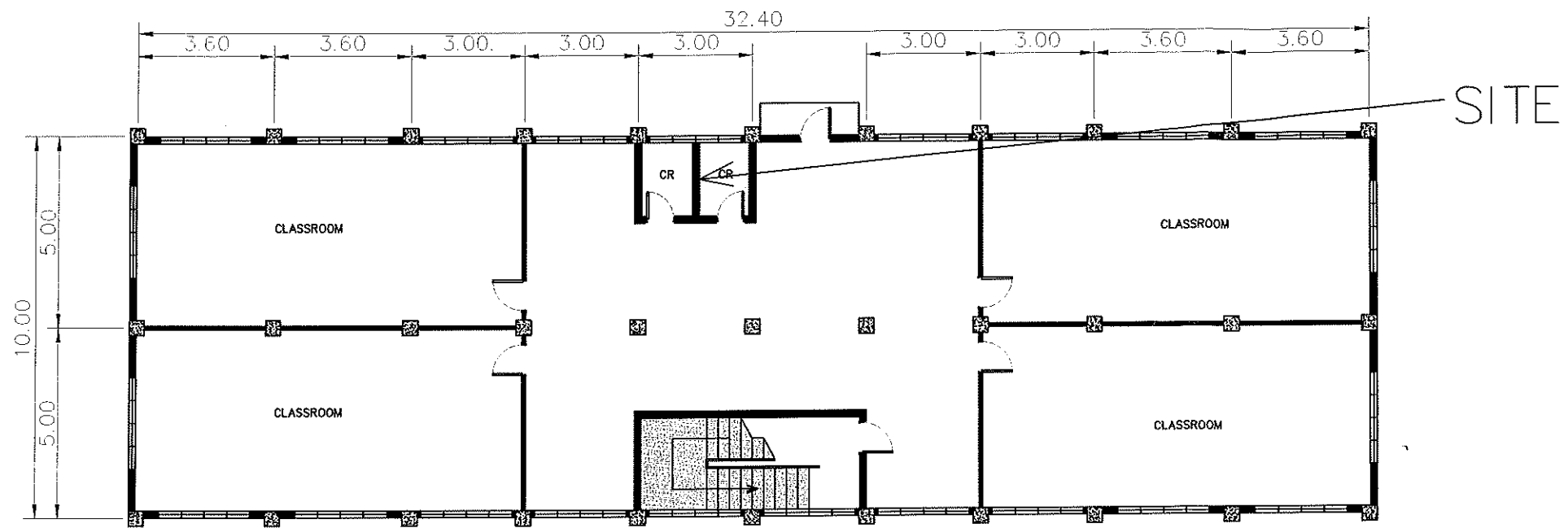
OCM

CP

VAT

Indirect Unit Cost:

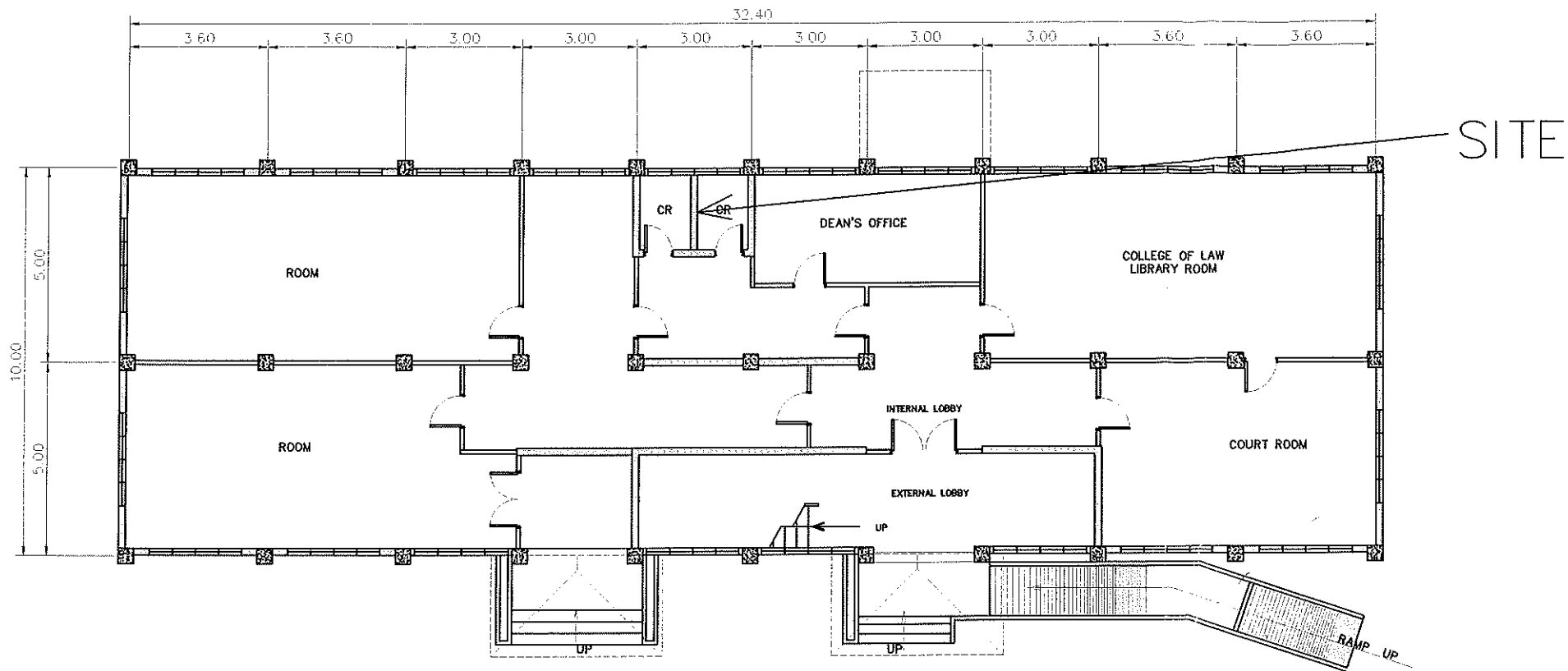
Total Direct and Indirect Cost:



SECOND FLOOR PLAN

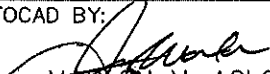


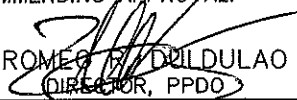
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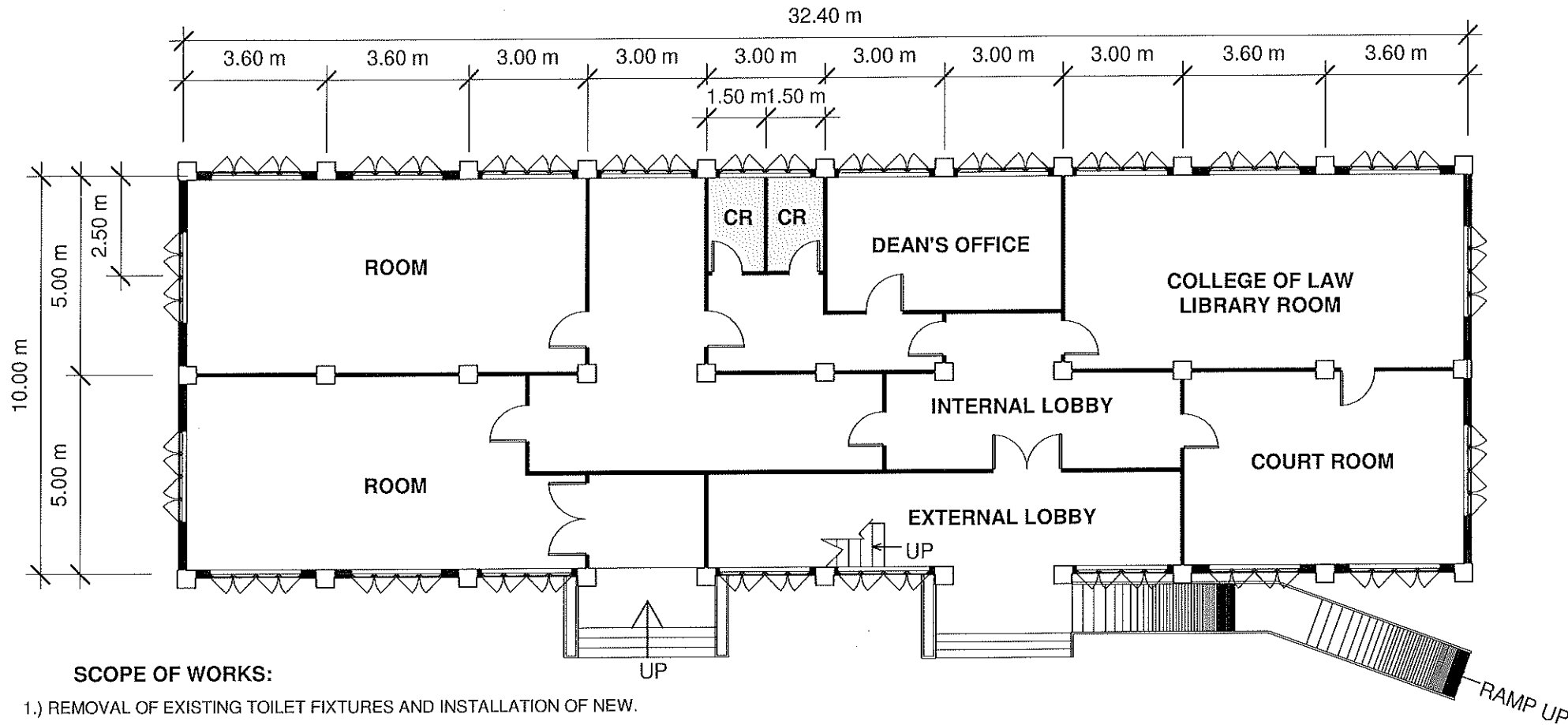
<p>AUTOCAD BY: <i>[Signature]</i> MARLOON V. AGLOCO CONSTRUCTION & MAINTENANCE FOREMAN</p>	<p>PROJECT TITLE: REHABILITATION OF COMFORT ROOMS</p>	<p>CONFORME: ATTY. BRIAN JAY CORPUZ OIC DEAN</p>	<p>APPROVED BY: <i>[Signature]</i> SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT</p>
<p>REVIEWED BY: <i>[Signature]</i> AIDA V. CABANG ARCHITECT/CHIEF INFRA</p>	<p>LOCATION: MMSU-COLLEGE OF LAW, CITY OF BATAC, I.N.</p>	<p>RECOMMENDING APPROVAL: <i>[Signature]</i> ROMEO R. DULDULAO DIRECTOR, PPDO</p>	



GROUND FLOOR PLAN

SCALE
1:150 MTRS.

AUTOCAD BY:  MARLON V. AGLOCO CONSTRUCTION & MAINTENANCE FOREMAN	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS	CONFORME: ATTY. BRIAN JAY CORPUZ OIC DEAN	APPROVED BY:  SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT
REVIEWED BY:  AIDA V. CABANG ARCHITECT/CHIEF INFRA	LOCATION: MMSU-COLLEGE OF LAW, CITY OF BATAC, I.N.	RECOMMENDING APPROVAL:  ROMEO B. DULDULAO DIRECTOR, PPDO	




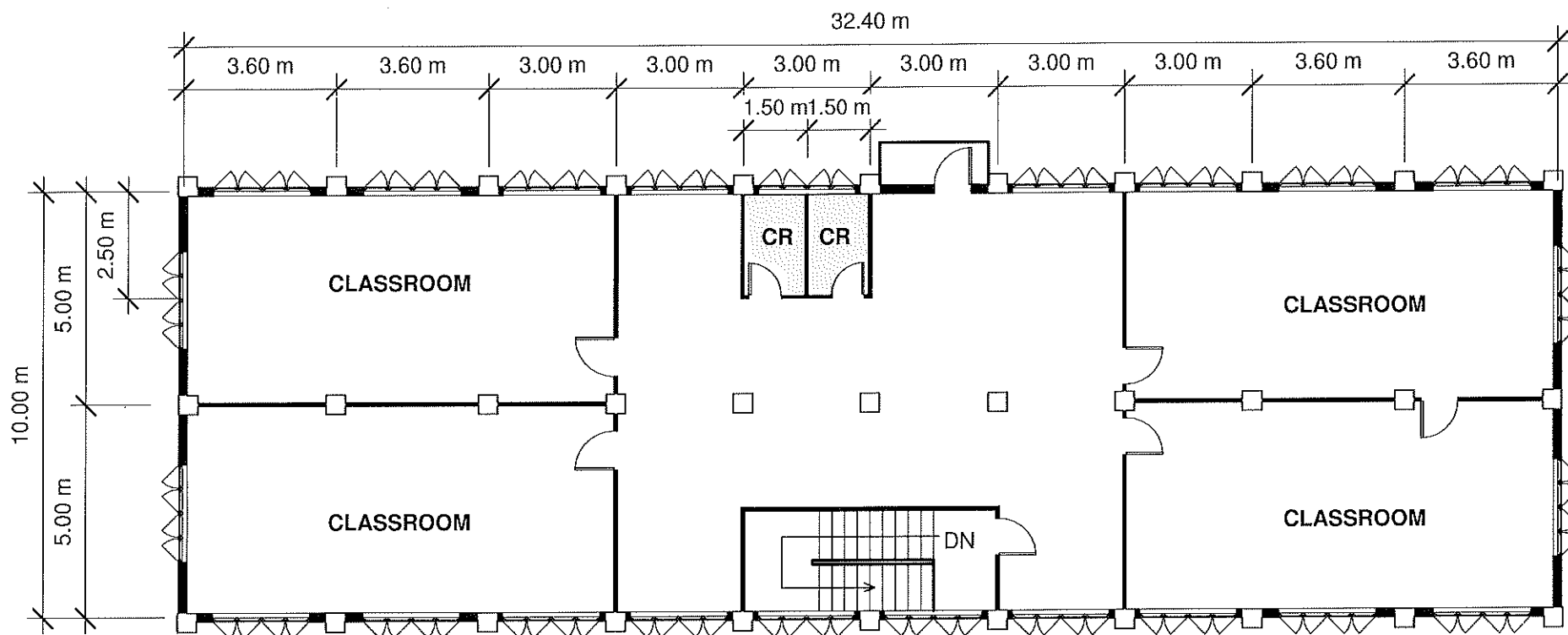
SCOPE OF WORKS:

- 1.) REMOVAL OF EXISTING TOILET FIXTURES AND INSTALLATION OF NEW.
- 2.) REMOVAL OF EXISTING TILES AND INSTALLATION OF NEW.
- 3.) REPLACEMENT OF DOORS AT GROUND AND SECOND FLOOR.
- 4.) REPAINTING OF MASONRY WALLS.
- 5.) REPLACEMENT OF WALLS AND FLOOR TILES.
- 6.) PROVISION OF NEW PIPES AND FITTINGS.

MANGASEP HALL/ COLLEGE OF LAW GROUND FLOOR PLAN

SCALE: 1:150m

	DRAWN BY: <i>Ariel Art B. Adajar</i> ARIEL ART B. ADAJAR APPRENTICE	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS, MMSU, COLLEGE OF LAW	CONFORME: <i>Brian Jay Corpuz</i> BRIAN JAY CORPUZ OIC, DEAN	SHEET CONTENT: AS SHOWN	SHEET NO:
	CHECKED/REVIEWED BY: <i>Aida V. Cabang</i> AIDA V. CABANG ARCHITECT IV, CHIEF PHYSICAL PLANNING SECTION	LOCATION: MMSU-CITY OF BATAC, ILOCOS NORTE	RECOMMENDING APPROVAL: <i>Romeo B. Duldalo</i> ROMEO B. DULDALO DIRECTOR	APPROVED BY: <i>Shirley C. Agrupis</i> SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT	



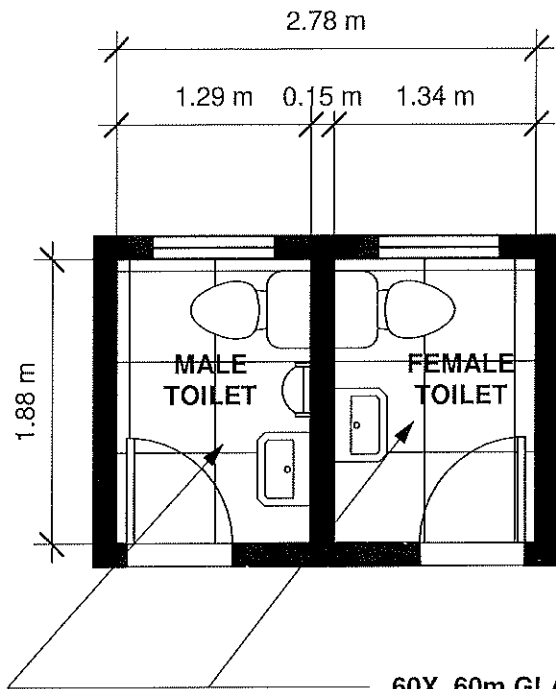
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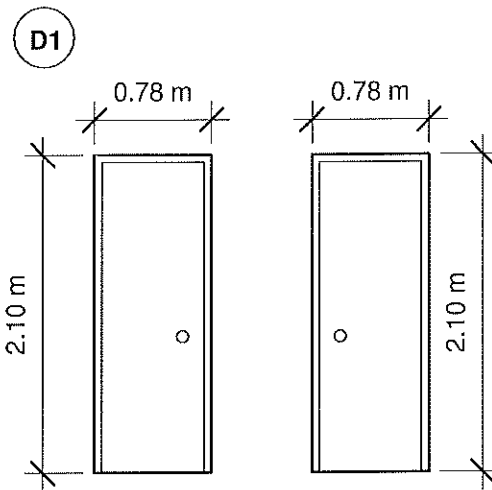
MANGASEP HALL/ COLLEGE OF LAW SECOND FLOOR PLAN

SCALE: 1:150m

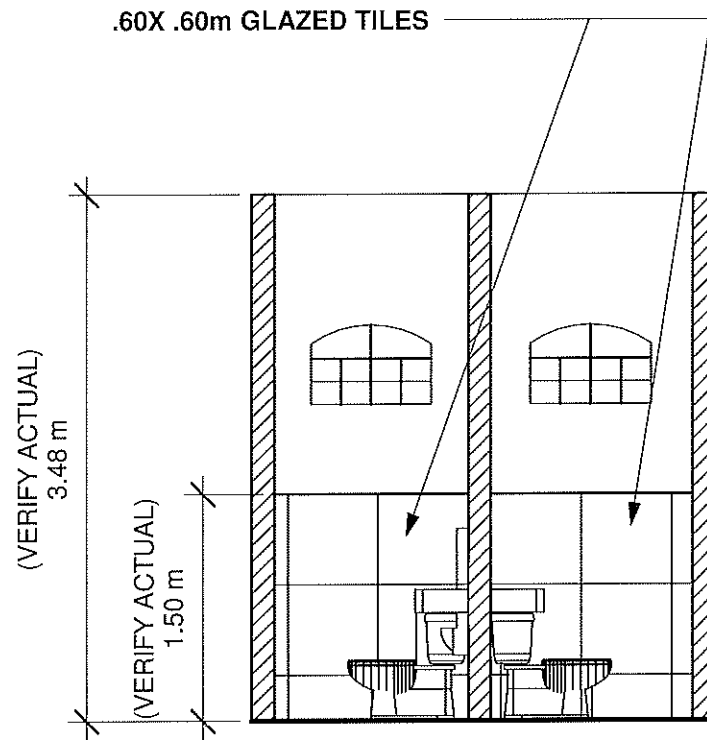
	DRAWN BY: <i>Ariel Art B. Adajar</i> ARIEL ART B. ADAJAR APPRENTICE	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS, MMSU, COLLEGE OF LAW	CONFORME: <i>Brian Jay Corpuz</i> BRIAN JAY CORPUZ OIC, DEAN	SHEET CONTENT: AS SHOWN	SHEET NO:
	CHECKED/REVIEWED BY: <i>Aida V. Cabang</i> AIDA V. CABANG ARCHITECT IV, CHIEF PHYSICAL PLANNING SECTION	LOCATION: MMSU-CITY OF BATAC, ILOCOS NORTE	RECOMMENDING APPROVAL: <i>Romeo R. Duldulao</i> ROMEO R. DULDULAO DIRECTOR, PPDO	APPROVED BY: <i>Shirley C. Agrupis</i> SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT	



COMFORT ROOM
GROUND FLOOR PLAN
SCALE: 1: 100m




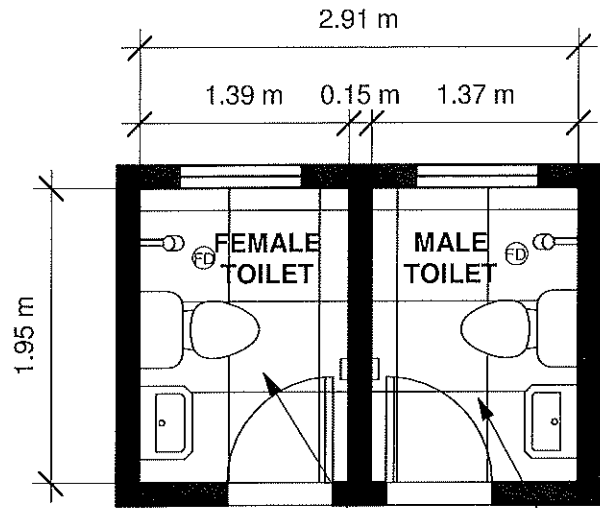
WOODEN PANEL DOOR
GROUND FLOOR DOOR DETAILS
SCALE: 1:50m



GROUND FLOOR GLAZED TILE
HEIGHT SECTION DETAILS
SCALE: 1:50m

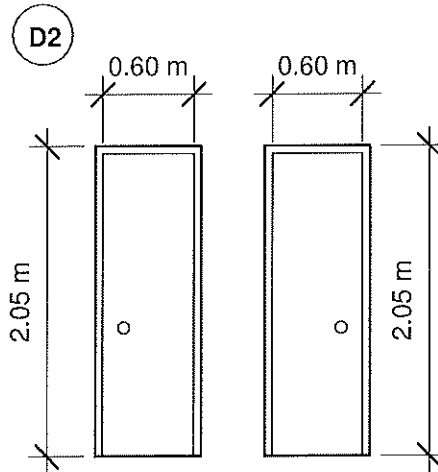
NOTE:
VERIFY ACTUAL DIMENSIONS PRIOR
TO FABRICATION & INSTALLATION.

	DRAWN BY: <i>Ariel Art B. Adajar</i> ARIEL ART B. ADAJAR APPRENTICE	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS, MMSU, COLLEGE OF LAW	CONFORME: BRIAN JAY CORPUZ OIC, DEAN	SHEET CONTENT: AS SHOWN	SHEET NO:
	CHECKED/REVIEWED BY: <i>Aida V. Cabang</i> AIDA V. CABANG ARCHITECT IV, CHIEF PHYSICAL PLANNING SECTION	LOCATION: MMSU-CITY OF BATAC, ILOCOS NORTE	RECOMMENDING APPROVAL: <i>Romeo R. Duldulao</i> ROMEO R. DULDULAO DIRECTOR, PPDO	APPROVED BY: <i>Shirley C. Agrupis</i> SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT	

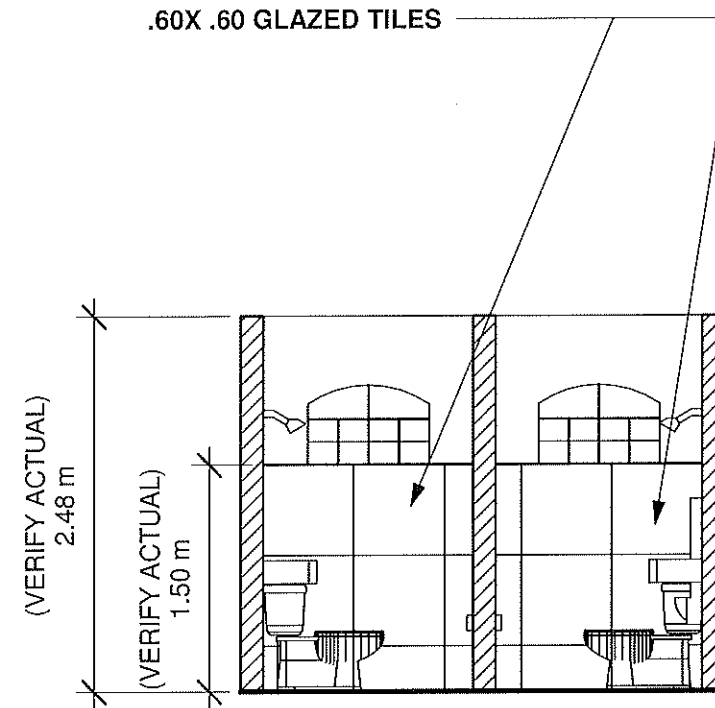


.60X .60 GLAZED TILES

COMFORT ROOM
SECOND FLOOR PLAN
SCALE: 1:100m




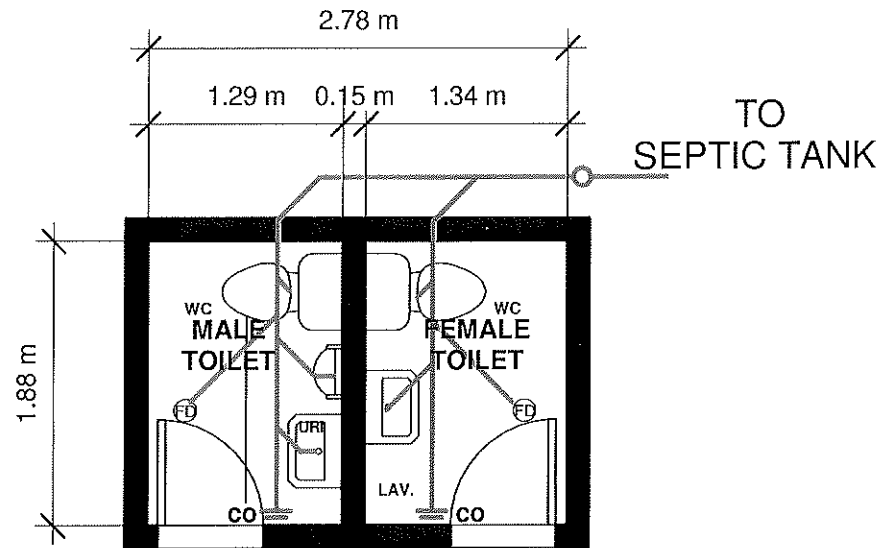
WOODEN PANEL DOOR
SECOND FLOOR DOOR DETAILS
SCALE: 1:50m



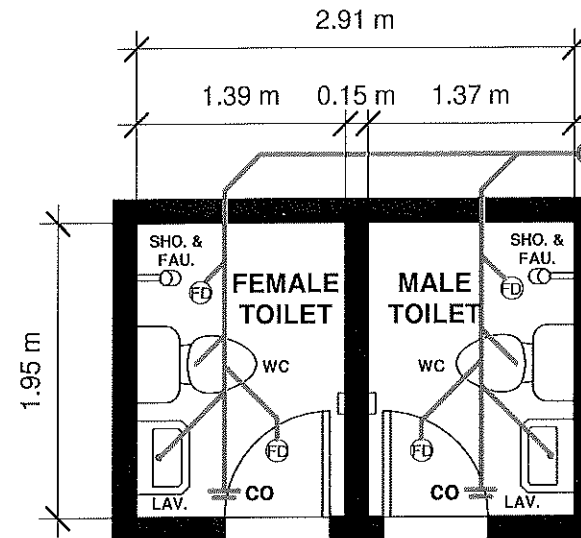
SECOND FLOOR GLAZED TILE
HEIGHT SECTION DETAILS
SCALE: 1:50m

NOTE:
VERIFY ACTUAL DIMENSIONS PRIOR
TO FABRICATION & INSTALLATION.


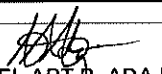

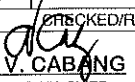
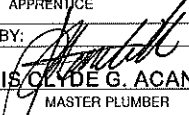
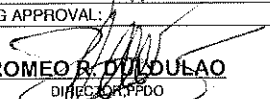
	DRAWN BY: <i>Ariel Art B. Adajar</i> ARIEL ART B. ADAJAR APPRENTICE	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS, MMSU, COLLEGE OF LAW	CONFORME: <i>Brian Jay Corpuz</i> BRIAN JAY CORPUZ OIC, DEAN	SHEET CONTENT: AS SHOWN	SHEET NO:
	CHECKED/REVIEWED BY: <i>Aida V. Cabang</i> AIDA V. CABANG ARCHITECT IV, CHIEF PHYSICAL PLANNING SECTION	LOCATION: MMSU-CITY OF BATAK, ILOCOS NORTE	RECOMMENDING APPROVAL: <i>Romeo R. Duldulao</i> ROMEO R. DULDULAO DIRECTOR, P100	APPROVED BY: <i>Shirley C. Agrupis</i> SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT	

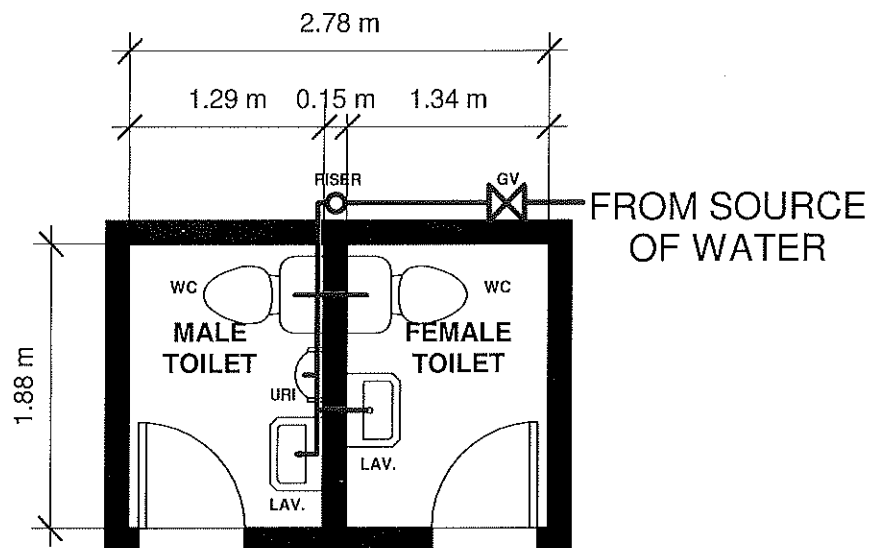


COMFORT ROOM
GROUND FLOOR PLAN
PLUMBING LAYOUT
SCALE: 1: 100m



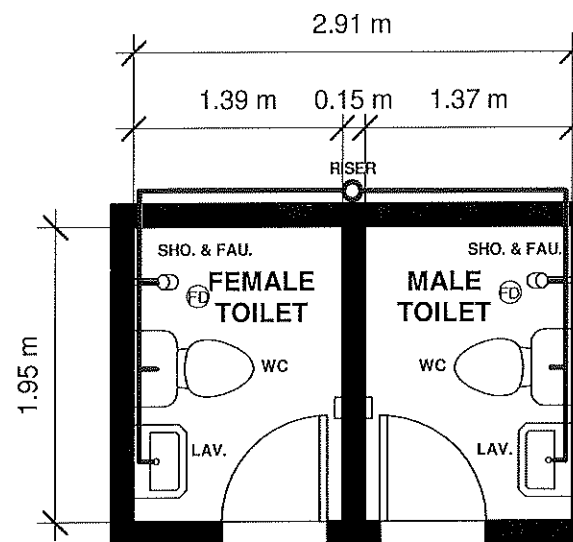
COMFORT ROOM
SECOND FLOOR PLAN
PLUMBING LAYOUT
SCALE: 1:100m

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	CHECKED/REVIEWED BY:  AIDA V. CABANG ARCHITECT IV, CHIEF PHYSICAL PLANNING SECTION	 DENNIS CLYDE G. ACANTILADO MASTER PLUMBER	LOCATION: MMSU-CITY OF BATAC, ILOCOS NORTE	RECOMMENDING APPROVAL:  ROMEO B. DULOULO DIRECTOR, PPDO	




COMFORT ROOM
GROUND FLOOR PLAN
WATER LAYOUT

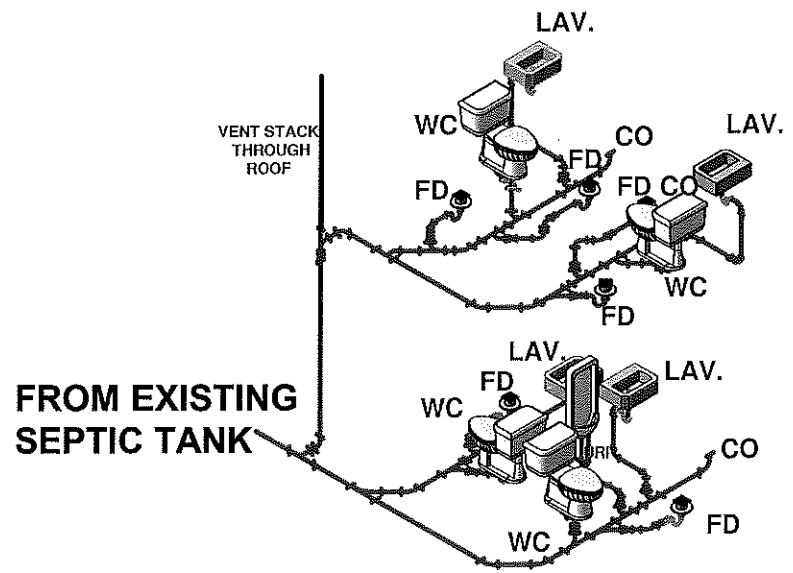
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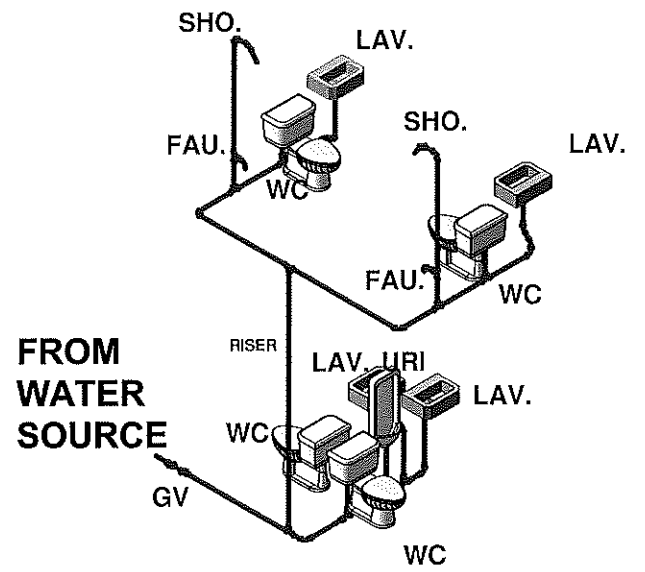
COMFORT ROOM
SECOND FLOOR PLAN
WATER LAYOUT

SCALE: 1:100m


	DRAWN BY: <i>A. Adajar</i> ARIEL ART B. ADAJAR APPRENTICE	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS, MMSU, COLLEGE OF LAW	CONFORME: BRIAN JAY CORPUZ OIC, DEAN	SHEET CONTENT: AS SHOWN	SHEET NO:
	CHECKED/REVIEWED BY: <i>A. Cabang</i> AIDA V. CABANG ARCHITECT IV, CHIEF PHYSICAL PLANNING SECTION	LOCATION: MMSU-CITY OF BATAC, ILOCOS NORTE	RECOMMENDING APPROVAL: <i>R. D. Dolgulao</i> ROMEO R. DOLGULAO DIRECTOR, APDO	APPROVED BY: <i>S. C. Agrupis</i> SHIRLEY C. AGRUPIS UNIVERSITY PRESIDENT	



SEWER LAYOUT
ISOMETRIC VIEW
NOT TO SCALE



WATER LAYOUT
ISOMETRIC VIEW
NOT TO SCALE

	DRAWN BY: <i>Ariel Art B. Adajar</i> ARIEL ART B. ADAJAR APPRENTICE	PROJECT TITLE: REHABILITATION OF COMFORT ROOMS, MMSU, COLLEGE OF LAW	CONFORME: <i>Brian Jay Corpuz</i> BRIAN JAY CORPUZ OIC, DEAN	SHEET CONTENT: AS SHOWN	SHEET NO:
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	<i>Dennis Clyde G. Acantilado</i> DENNIS CLYDE G. ACANTILADO MASTER PLUMBER				