



Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

REQUEST FOR QUOTATION

GLASS WINDOW INSTALLATION AND REPAIR OF COMFORT ROOM (SAO)

Purchase Request No. 2023-02-0356
Approved Budget for the Contract: ₱ 250,000.00


The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of Glass Window Installation and Repair of Comfort Room (SAC) to apply the sum of Two Hundred Fifty Thousand Pesos Only (₱ 250,000.00) inclusive of VAT, being the **Approved Budget for the Contract (ABC)**, details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	Glass Window Installation and Repair of Comfort Room
		*please see attach document for reference

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, 2nd Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : slsuprocurement2021@gmail.com

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.


Samuel T. Sacopla
Head, Procurement office *2024*
Southern Luzon State University
Lucban, Quezon
Tel. No.: (042)540-6519

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

PROJECT TITLE: GLASS WINDOW INSTALLATION AND COMFORT ROOM REPAIR

PROJECT LOCATION: SLSU - Lucban Quezon

OWNER: Student Admission Office

MODE OF IMPLEMENTATION: By Contract

ABC: Php 250,000.00

PROJECT DURATION: 45 days ✓

PROJECT BRIEF DESCRIPTION: Replacement of Windows and Renovation of toilet ✓

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SUMMARY

ITEM	DESCRIPTION	COST OF MATERIALS	COST OF LABOR AND EQUIPMENT	TOTAL
I	General Requirements			
II	Glass Works			
III	Toilet			
IV	Masonry Works			
V	Plumbing and Waterproofing			
VI	Electrical Works			
TOTAL PROJECT COST COST			Php	

TOTAL PROJECT COST IN WORDS :

CONTRACTOR / BIDDER : _____

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BILL OF MATERIALS

I. General Requirements

Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/PRO FIT)	Unit Cost	Total Cost
	lot	Dismantling of Existing Window and Window grills				
	lot	Dismantling of Hardiflex partition				
	lot	Hauling				
Sub - Total						Php

III. Glass Works

Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/PRO FIT)	Unit Cost	Total Cost
	sq.ft.	Supply and Installation of Reflective glass Windows with powder coated framing				
Sub - Total						Php

III. Toilet

Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/PRO FIT)	Unit Cost	Total Cost
	set	Bathroom fixtures and accessories (Water Closet, Lavatory, Faucet, soap holder, Tissue holder, Bidet SS faucet, towel bar, Floor Drain grab bar, mirror & glass Ledge)				
	pcs	Granolithic Tiles 300x300				
	pcs	Wall Tiles 300x300				
	set	Wooden door				
	bags	Portland Cement				
	kgs	Tile Grout				
	cu.m.	Sand S1				
	bags	Adhesive				
	lot	Consumables				
Sub - Total						Php

IV. Masonry Works

Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/PRO FIT)	Unit Cost	Total Cost
	pcs	4" CHB				
	pcs	5" CHB				
	bags	Portland Cement				
	cu.m.	Sand S1				
	pcs	10mm dia RSB				
	kg	#16 Wire				
	lot	Consumables				
Sub - Total						Php

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V. Plumbing & Waterproofing

Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/PRO FIT)	Unit Cost	Total Cost
	pcs	PPR Pipe 1/2" dia x 4M				
	pcs	PPR Elbow 1/2" dia				
	pcs	PPR Tee 1/2" dia				
	pcs	Cleanout with cover				
	pcs	UPVC 3" dia x 3M				
	pc	Floor Drain				
	pcs	UPVC 2" dia x 3M				
	pcs	UPVC Wye 3" x 2" dia (orange)				
	pcs	UPVC Wye 3" x 3"				
	pcs	UPVC 2" dia P Trap				
	tins	Quickseal for waterproofing				
	lot	Consumables				
Sub - Total					Php	0.00

VI. Electrical Works

Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/PRO FIT)	Unit Cost	Total Cost
	pcs	LED T8 15 watts Tube Lights				
	pcs	Troffer Luminaires Twin tube housing				
	pcs	LED Ceiling Light 12w ceiling mount				
		8" x 8" square				
	pcs	LED Ceiling Light 12w ceiling mount				
		6" x 6" square				
	pcs	2 Gang Switch				
	pc	3 Gang Switch				
	pc	1 Gang Switch				
	lot	2.0 THHN Wire				
	lot	2.5 THHN Wire				
	lot	Consumables				
Sub - Total					Php	

Grand - Total Php

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

PROJECT TITLE: *GLASS WINDOW INSTALLATION AND REPAIR OF COMPUTER ROOM*
PROJECT LOCATION: SLSU Main, Lucban Quezon
OWNER: Southern Luzon State University
PROJECT DURATION: 45 Calendar days
SUBJECT: Renovation of Student Admission Office

SCOPE OF WORKS

I. GENERAL WORKS

- Mobilization / Demobilization
- Safety and Health programs shall include all required PPEs for all personnel, proper scaffolding and all other required by safety officer/s. Also includes in this item is the required safety protocols and requirements during this pandemic and all necessary activities to stop the spread of Covid-19 virus.

II. DEMOLITION WORKS

- Removal of all existing glass windows and window grills.
- Removal of existing toilet hardiflex partition
- Removal of existing toilet fixtures and floor tiles

III. CONCRETE & MASONRY WORKS

- Plastering of windows opening and make sure that edges are well-defined, before the installation of new windows. Refer to attached schedule.
- Repair of kitchen counter.

IV. 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, of both except 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 new electrical fixtures.
 - Supply and installation of new electrical wire and cable.
 - Supply and installation of Electrical pipe line.
 - Power Supply for the building shall be connected to the existing powerhouse of the university.
 - All materials and equipment to be installed shall be approved quality and should be presented to the 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 the 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.
 - The Contractor to present a sample lights and lighting fixtures for Project Architect / Engineers approval.

V. 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 installation of sanitary and plumbing fixtures.
- Supply and installation of waterline pipes and fittings and tapping to the nearest water source.
- 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 future be governed by other requirements, imposed on the specification. Materials shall be subjected to test if necessary, for their fitness if so required.
- To provide Grease Trap on each kitchen sink at the kitchen area.
- Supply and installation of drainage pipes and fittings and tapping to the nearest drainage.

VI. DOORS AND WINDOWS

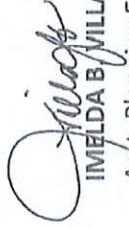
- The contractor shall provide all the windows and other materials needed as specified in the drawing plans and specifications.
- Installation of reflective glass windows as specified on Schedules windows.
- Contractor are required to submit locks and handles samples for Project Engineer / Architect's Approval
- For PVC toilet door, please submit sample design for approval of the Project – in – charge.

VII. GENERAL FINISHES

- Tile Works
 - Replacement of all existing floor tiles to non skid inside existing toilet, refer to attached drawings.
 - Contractor are required to submit floor tile Sample for Approval.

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. VILLAFLO
Asst. Planning Engineer

Reviewed by:


ENGR. MELVIN A. MAKIPAGAY
Planning Engineer – II

Recommending approval:


ENGR. MARIBELLE A. GAYTANO
Dir.-Planning and Development

Approved by:


DORACIL B. ZOLETA-NANTES, PHD
University President

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

PROJECT TITLE: **GLASS WINDOW INSTALLATION and TERAPEUTIC CONSULT ROOM**
PROJECT LOCATION: **SLSU Main, Lucban Quezon**
OWNER: **Southern Luzon State University**
PROJECT DURATION: **45 Calendar days / 2 1/2 wks; Gullaga**
SUBJECT: **Specifications of Materials and Finishes**

SPECIFICATIONS OF MATERIALS AND FINISHES

GENERAL

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

I. GENERAL WORKS

Mobilization / Demobilization

- Mobilization shall include all activities and associated costs for transportation of Contractor's personnel, equipment, and operating supplies to the site; establishment of the temporary field offices and other necessary general facilities for the Contractor's operations at the site; premiums paid for the performance and payment bonds, including co-insurance and re-insurance agreements as applicable.
- Demobilization shall include all activities and costs for transportation of personnel, equipment, and supplies not required or included in the contract from the site; including the disassemble, removal and the site cleanup of temporary offices and other facilities assembled on the site specifically for this contract.

Construction Safety and Health Program

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

II. DEMOLITION WORKS

- This specification is to be read in conjunction with the Conditions of the Contract, Scope of work and drawings. Where works are ordered to be performed by the Contractor, but are not specified in the Specification, the Contractor, must carry them out with full diligence and expedience as are expected for works of the nature.
- As prior to the construction of the project, necessary clearing and grading shall be alone done by the contractor.
- All plants, if any, shall be relocated to areas which are approved by the owner of the representative Engineer.
- Demolition of the concrete, dismantling and chipping f concrete shall be executed prior to the construction of the project.
- All unsuitable materials shall be hauled by the contractor to approved dumping sites.
- The extent of the work to be demolished and / or altered as indicated on the drawings.
- The contractor shall examine the drawings, existing works and site so as to satisfy himself as to the true nature and extend of the work to be pulled down, altered, etc.
- The Contractor shall investigate and ascertain sufficient information about the structures to be demolished and effect on surrounding works, prior to commencement of works.

III. REINFORCED CONCRETE WORKS

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

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- Mixing of concrete
All concrete shall be mixed until there is uniform distribution of the materials and be discharges completely before the mixer is recharged.
- Conveying of concrete

Concrete shall be conveyed from the mixer to the place of the final deposit by methods that will prevent the separation or loss of materials.

- Depositing of concrete
- Concrete shall be deposited as nearly as practicable in its final position to avoid segregation due to the re handling or flowing.
- Curing
- Concrete shall be maintained in a moist condition for at least 7 days after placing.

IV. ELECTRICAL WORKS

- All works shall be in accordance with the governing codes and regulations of the latest edition of the Philippine Electrical Code, with the rules and regulations of the National and Local Authorities concerned in enforcement of electrical laws and ordinance and with the rules and regulation of the utility companies concerned.
- Contractor shall furnish all labor, equipment and materials as maybe approved by the owner or his / her representative and shall perform all operations with electrical system shown in the drawings, their test and inspection complete in accordance with specifications and drawings and subject to terms and conditions of the contract and materials not specifically mentioned to bring the electrical system to operating condition and ready for use by the owner.
- Electrical materials shall be as specified in the electrical drawing details as shown in the plans and bill of quantities.
- Custom built Main Distribution Panel board (MDLP & MDPP) shall be NEMA-1 enclosure in semi-flushed wall mounted. All panels shall be finished in light gray enamel (ANSI #61) over a rush inhibitor.
- All lighting and Power Panels shall be NEMA-1 enclosure with three-phase main circuit breaker, 3 poles and / or single phase 2 poles circuit breaker in the branch circuits as detailed in drawing. Use only one (1) brand of circuit breaker. Preferred brand of circuit breakers is Schneider Electric, ABB, Fuji, G.E. or their equivalent in quality.
- Panels and cabinets shall be fabricated by one reputable fabricator only. Example of Fuji-Haya Electric, Asiaphil Industries, LJ Industrial, Power Box or RMR Electric Corporation or their quality equivalent as approved by the owner.
- All wires and cables shall comply with the requirements of the Underwriter's Laboratories, The ASTM and IPCEA as they apply in the particular.
- Wires and cables for lighting, power and auxiliary systems shall be nylon, jacketed plastic insulated for 600 volts working pressure, type THHN/THWN unless otherwise noted. Type TW, colored white for grinding. Feeder cable shall be type THW-2.
- For lighting system, no wire smaller than 3.5mm² THHN/THWN shall be used for homerun circuit. Branch tap to lighting fixture/outlet and switch wire can be 2.0mm² THHN / THWN.
- For power system, no wire smaller than 3.5mm² THHN shall be used. Smallest size of grounding wire 2.0mm² TW.
- All feeder cables / wires shall be color coded and as manufactured by the Phelps Dodge, Duraflex, or approved equal. A substitute of color coding can be properly identifying phase wire with colored tape at each end. 1 mark of red tape for line A, 2 mark of yellow tape for line B and 3 mark of blue or black for line C. Color coding of wires are as follows:

- | | |
|-----------------------------|-----------------------|
| 1.1 Line A-Red | Ground wire – White |
| 1.2 Line B-Yellow | Line C-Blue or Black |
| 1.3 Control wire #01-Yellow | Control wire #02-Blue |

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- Metallic conduits for interior and exterior systems shall a standard weight, mild steel, hot dip galvanized with an interior coating as manufactured by Matsushita, Sumitomo, McGill or their approved equal. UPVC non metallic conduits embedded in concrete slabs, concrete wall and partitions shall be high-impact type, schedule 40 by Emerald or approved equal.
- No conduits shall be used in any system smaller than 20mm diameter, electric trade size, location and sizes of pull boxes shall be cleared to the Engineer prior to fabrication and installation.
- All outlets of whatever kind, for all systems shall be provided with suitable fittings, which shall be either a box or other devices especially designed to receive the type of fittings to be mounted thereon. Duplex convenience outlets shall be universal grounding-type, manufactured by National, Toshiba or approved equal.
- The lighting system shall be complete in every aspect, all as indicated on the plans as specified. All wiring shall be installed un UPVC schedule 40 of specified brand or as indicated in the plans and in general shall be concealed in the structure. Mounting heights of devices shall be as detailed on the plans or as follows"

Local switches	-	1370mm from center of device to Finish floor line
Receptacles C.O.	-	300mm above floor of 150mm above counters
Panelboard	-	1830mm from center of device to finish floor line

- All lighting fixtures (indoor & outdoor) and emergency lights shall be new and approved type.
- All metallic conduits, cabinets and equipment shall be properly grounded and bounded by means of copper straps. The conduits of each system shall be grounded by connecting to the ground.
- The telephone system shall consist of an interior system of conduits, outlets boxes, junction boxes and terminal cabinets as shown on the plans. UTP/Category 5E, 24AWG x 4 pairs cable shall be used as indicated on the plans. All work materials shall be brand new, free from defects installed and constructed in a workmanlike manner according to prevailing standard practice.
- 3w, Green, LED Exit signs shall be Omni brand or equivalent.
- All materials and equipment to be installed shall be of approved quality and should be presented to the Owner for approval prior to installation.
- Other items not mentioned in the specifications but are included in the installation shall be subjected to be pre-approved by the owner.

V. PLUMBING WORKS

- All plumbing works included herein shall be executed according to the provisions of the National Plumbing Code, National Building Code and the Rules and Regulations of the city/province.
- Use PVC pipes and fittings (Nelitex or approved equivalent) for sanitary and sewer lines.
- The drawings are not intended to show every pipes, fittings, valves and appliances. All such item whether specifically mentioned or not, or indicated on the drawings shall be finished and installed if necessary to complete the system in accordance with the best practice of the Plumbing Trade and to the satisfaction of the Owner/Representative.
- Use PPR Pipes and fittings of approved size and quality for water lines.
- All materials to be used shall be new and shall conform to the Reference Code and Standards. Use of materials shall further be governed by other requirements, imposed on other section

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Lucban, Quezon

of these specifications. Materials shall be subject to test necessary for their fitness if so required.

- The Contractor shall furnish all materials, labor and equipment necessary for the installation of all water lines, and sewer lines.
- All materials and equipment to be installed shall be of approved quality and should be presented to Southern Luzon State University/Representative Architect/Engineer for approval prior to installation.

VI. GLASS WINDOWS

- The work under this Division consist of furnishings all materials, equipment, tools and all other services necessary to complete the installation.
- The contractor should check and make sure that the door and windows opening are properly clean and plastered before installation of doors and windows.

VII. FINISHING WORKS

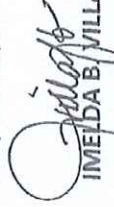
Tile Works

- All surfaces to receive tiles, shall be free from loose plaster, where required, existing setting mortar bed shall be stripped, removed to allow proper setting of tiles to desired finished elevation.
- Tiles shall be 300mm x 300mm non skid floor tiles. 300x300 wall tiles.
- Grout shall be ABC type, color to match color of tiles or as directed by Engineer.
- Setting bed or mortar shall be dry mixed, sand-cement mix with water added to produce the desired consistency and slurry mix for adhesion.

Glass Windows

- This covers security standards for external door sets and windows. 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:


IMELDA B. VILLAFLO
Asst. Planning Engineer

Reviewed by:


ENGR. MELVIN A. MAKIPAGAY
Planning Engineer - II

Recommending approval:


ENGR. MARIBELLE A. GAYTANO
Dir.-Planning and Development

Approved by:


DORACIE B. ZOLETA-NANTES, PHD
University President

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


PROJECT TITLE: GLASS WINDOW INSTALLATION AND REPAIR OF CONFERENCE ROOM
PROJECT LOCATION: SLSU Main, Lucban, Quezon

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

GENERAL WORKS

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

Prepared by:


IMELDA B. VILLAFLO
Ass't. Planning Engineer

Reviewed by:


ENGR. MELVIN A. MAKIPAGAY
Planning Engineer - II

Recommending approval:


ENGR. MARIBELLE A. GAYTANO
Dir.-Planning and Development

Approved-by:


DORACILES ZOLETA-NANTES, PHD
University President

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

PROJECT TITLE: **GLASS WINDOW INSTALLATION and TIGHTEN OF ROOFING TRUSS**
PROJECT LOCATION: SLSU Main, Lucban Quezon
OWNER: Southern Luzon State University
PROJECT DURATION: 45 Calendar days
SUBJECT: Specifications of Materials and Finishes

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TECHNICAL PERSONNEL AND EQUIPMENT

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

Prepared by:

Jimada
IMELDA B. VILLAFLO
Asst. Planning Engineer

Reviewed by:

Melvin A. Makipagay
ENGR. MELVIN A. MAKIPAGAY
Planning Engineer - II

Recommending approval:

Maribelle A. Gaytano
ENGR. MARIBELLE A. GAYTANO
Dir.-Planning and Development

Approved by:

Doracie B. Zolista-Nantes
DORACIE B. ZOLISTA-NANTES, PHD
University President



CIVIL / STRUCTURAL ENGINEER

PROJECT TITLE

GLASS WINDOW
INSTALLATION

PLANNED BY:

MELODY B. WILLIAMS

REVIEWED BY:

ENGR. MELVIN A. MARIAGAY

RECOMMENDING APPROVAL:

ENGR. MARIBELLE A. GAYTANO

APPROVED BY:

BOBACIE B. ZOLETANINTES, PhD

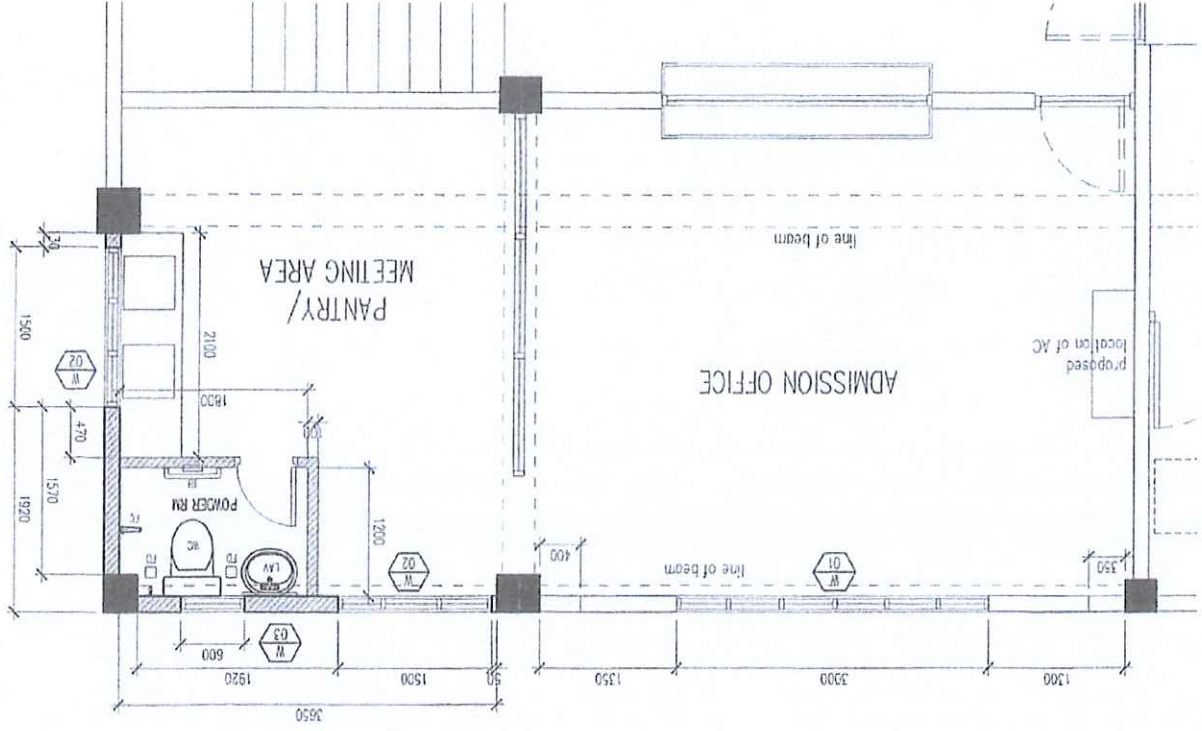
SHEET COMMENTS:

A-1

BT COMMENTS FROM WILLIAMS

ADMISSION OFFICE
FLOOR PLAN

SCALE 1/25





CIVIL / STRUCTURAL ENGINEER

PROJECT TITLE

glass window installation
and repair of concrete m...

PLANNED BY

REVIEWED BY

RECOMMENDING APPROVAL

APPROVED BY

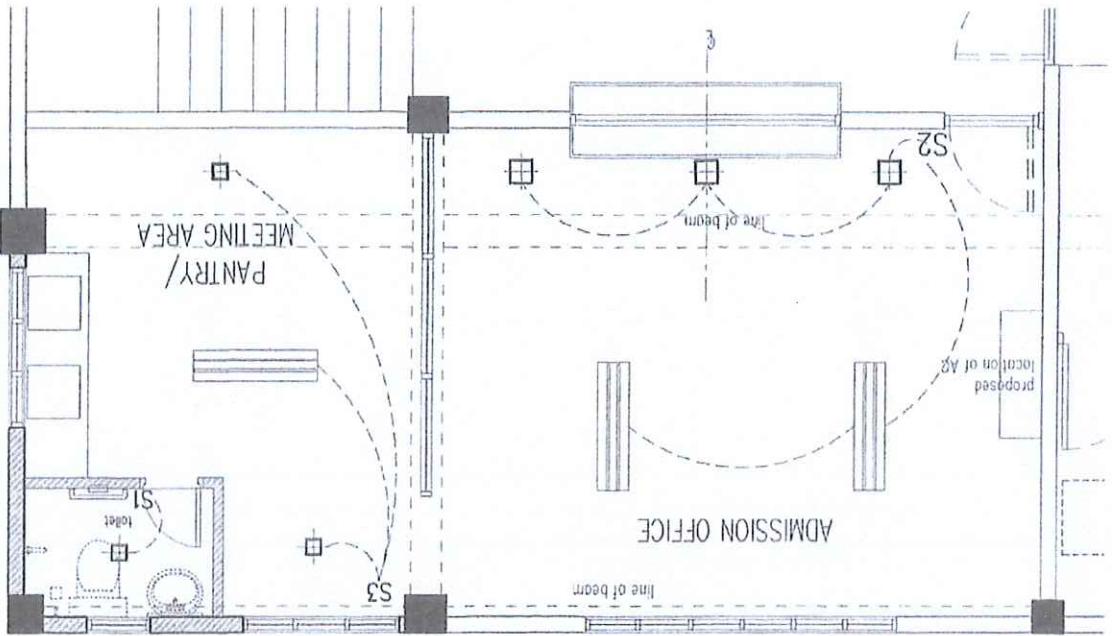
SHEET CONTENTS

E-1

SCALE 1:25

E-1
1

ADMISSION OFFICE LIGHTING LAYOUT



NOTE : ALL ELECTRICAL FIXTURES, LIGHTINGS
& ACCESSORIES ARE ALL SUBJECT FOR
APPROVAL BY PROJECT-IN-CHARGE

- LEGEND :
- 2pcs T8 tube lights with lowered housing
 - Ceiling mount LED Light 8"x8"
 - Ceiling mount LED Light 6"x6"
 - S1, S2, S3 - Heavy duty switches



CIVIL STRUCTURAL ENGINEER

PROJECT TITLE

GLASS WINDOW INSTALLATION
AND REPAIR OF COMBINATION

PLANNED BY:

REVIEWED BY:

RECOMMENDING APPROVAL:

ENGR. MELVYN A. MANIPAGAY
REGISTERED ENGINEER

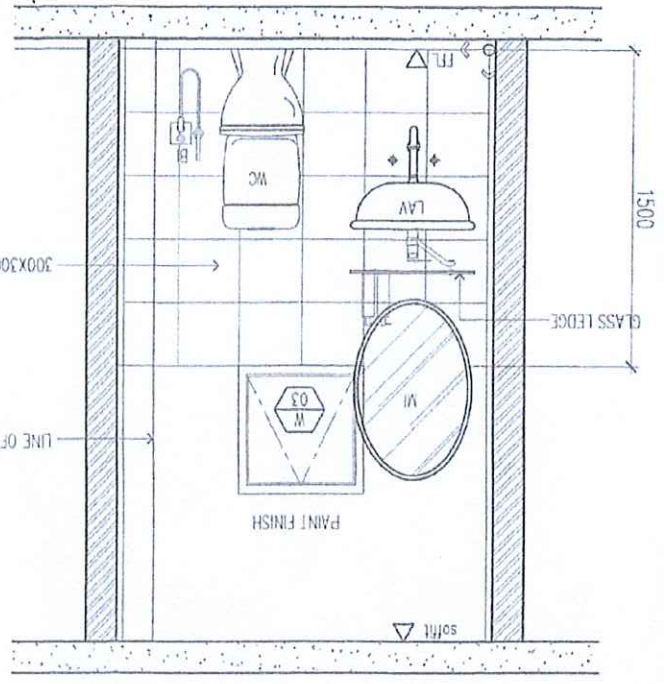
ENGR. MARIBELLE A. GAYTANO

DORAGIE B. ZOLETANANTES, PH.D.

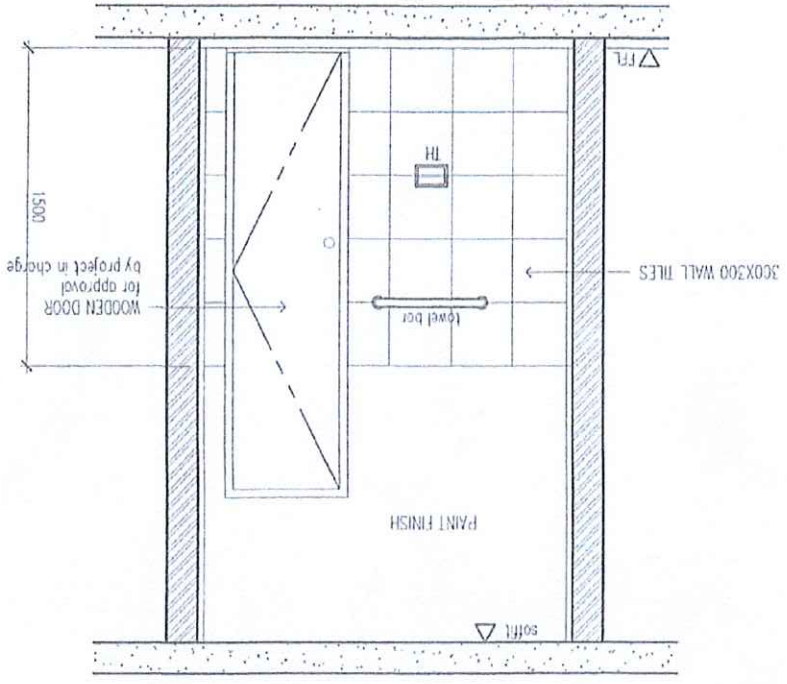
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A-2

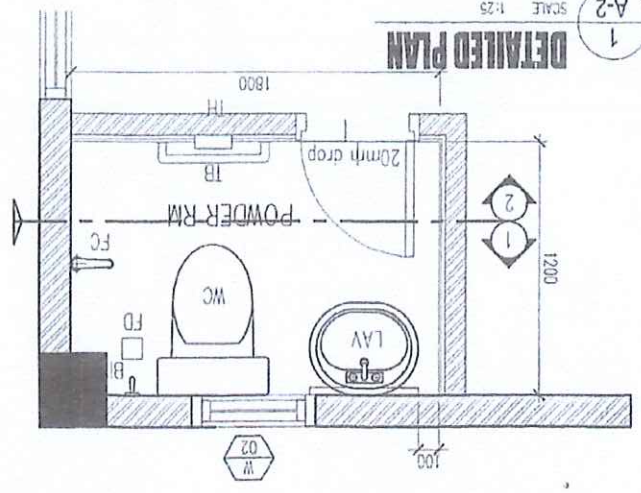
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A-2
SCALE 1:25
ELEVATION 1



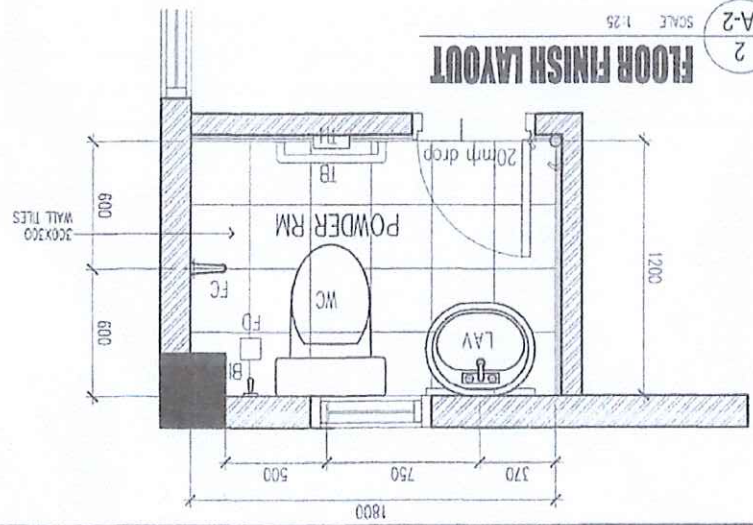
4
A-2
SCALE 1:25
ELEVATION 2



1
A-2
SCALE 1:25
DETAILED PLAN



2
A-2
SCALE 1:25
FLOOR FINISH LAYOUT



- LEGEND :
- WC WATER CLOSET
 - LAV LAVATORY
 - BI BIDET
 - FD FLOOR DRAIN
 - TB TOWEL BAR
 - FC FAUCET
 - MI MIRROR
 - TH TISSUE HOLDER
 - COLD WATER LINE
 - SANITARY LINE



CIVIL STRUCTURAL ENGINEER

PROJECT TITLE

EXCESS WINDOW INSTALLATION
AND REPAIR OF CORROSION IN
MULLIONS

PLANNED BY:

WILLIAM B. WILLIAMS
REGISTERED PROFESSIONAL ENGINEER
NO. 12345

REVIEWED BY:

ENGR. MELVIN A. MAMPAGAY
REGISTERED PROFESSIONAL ENGINEER
NO. 12345

RECOMMENDING APPROVAL:

ENGR. MARIBELLE A. GAYTANO
REGISTERED PROFESSIONAL ENGINEER
NO. 12345

APPROVAL:

DORACIE B. ZOLETA-NAWES, PHD
UNIVERSITY PROFESSOR

SHEET CONTENTS:

SECS 90001 (P-1 & P-2)

A-3

SHEET NO.

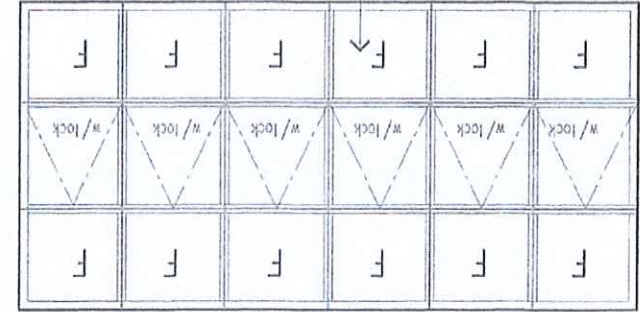
ADMISSION OFFICE WINDOW SCHEDULE

01

SCALE 1:50

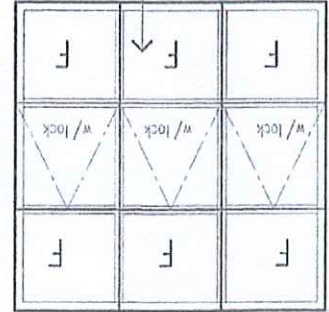
FLOOR LEVEL

Green Reflective Glass
Window on Aluminum
Powder Coated Frame
(brown)



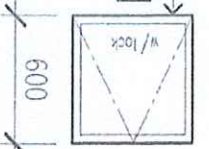
3000
6 EQUAL PANELS

Green Reflective Glass
Window on Aluminum
Powder Coated Frame
(brown)



1500
3 EQUAL PANELS

Green Reflective Glass
Window on Aluminum
Powder Coated Frame
(brown)



600

900

1450

475

500

475

475

500

475

600



PROJECT TITLE CLASS WINDOW INSULATION AND PART OF COMPLETION	PLANNED BY [Signature]	REVIEWED BY [Signature]	RECOMMENDING APPROVAL ENGR. MARIBEL A. GAYTANO	APPROVED BY DONACIO B. ZOLEFANAN, PHD	SHEET NO. P-1
CLIENT [Redacted]	DATE [Redacted]	SCALE [Redacted]	PROJECT NO. [Redacted]	DATE [Redacted]	

- LEGEND :
- COLD WATER LINE
 - SANITARY LINE
 - WC WATER CLOSET
 - LAV LAVATORY
 - BI BIDET
 - FD FLOOR DRAIN
 - TB TOWEL BAR
 - FC FAUCET
 - MI MIRROR
 - TH TISSUE HOLDER

