


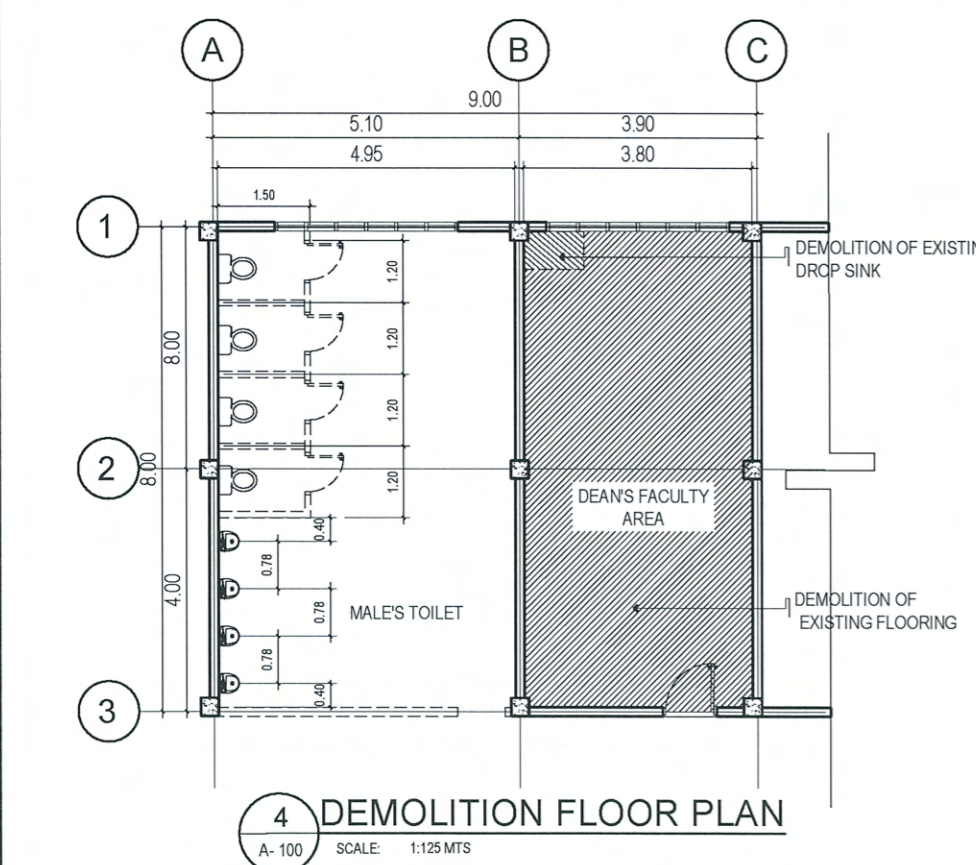
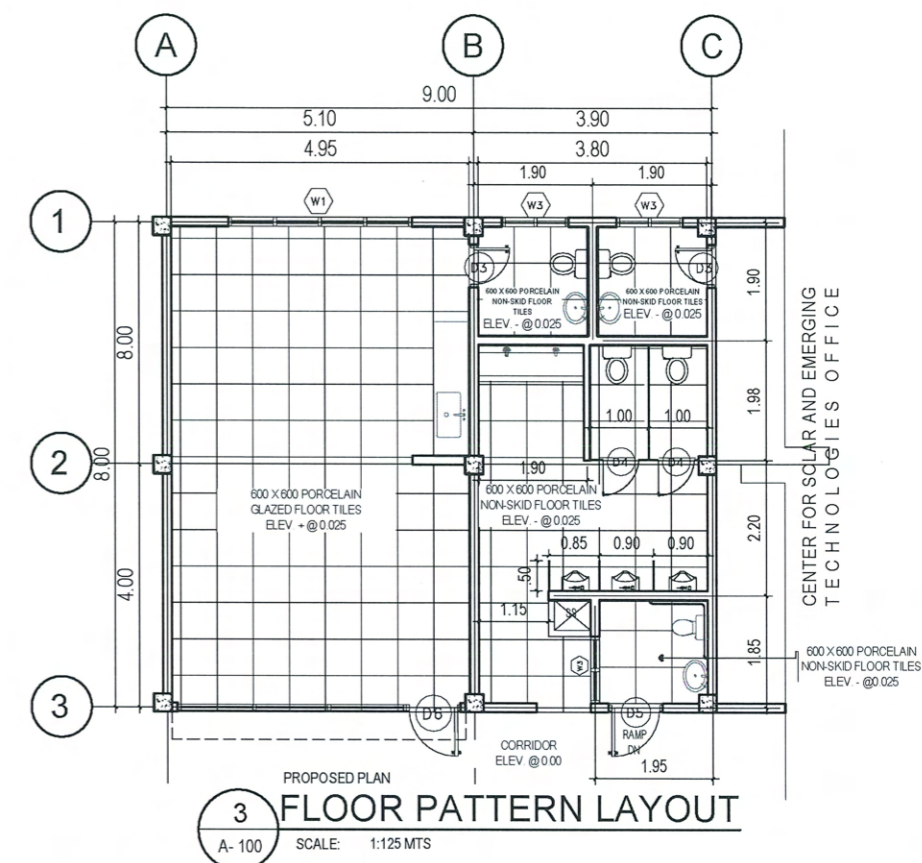
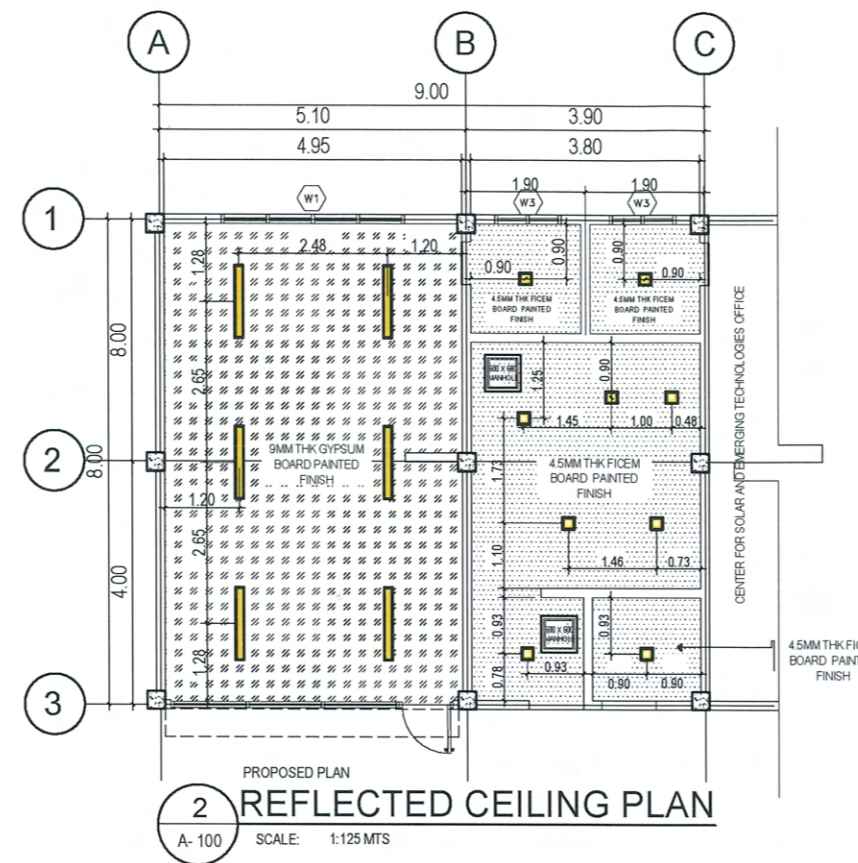
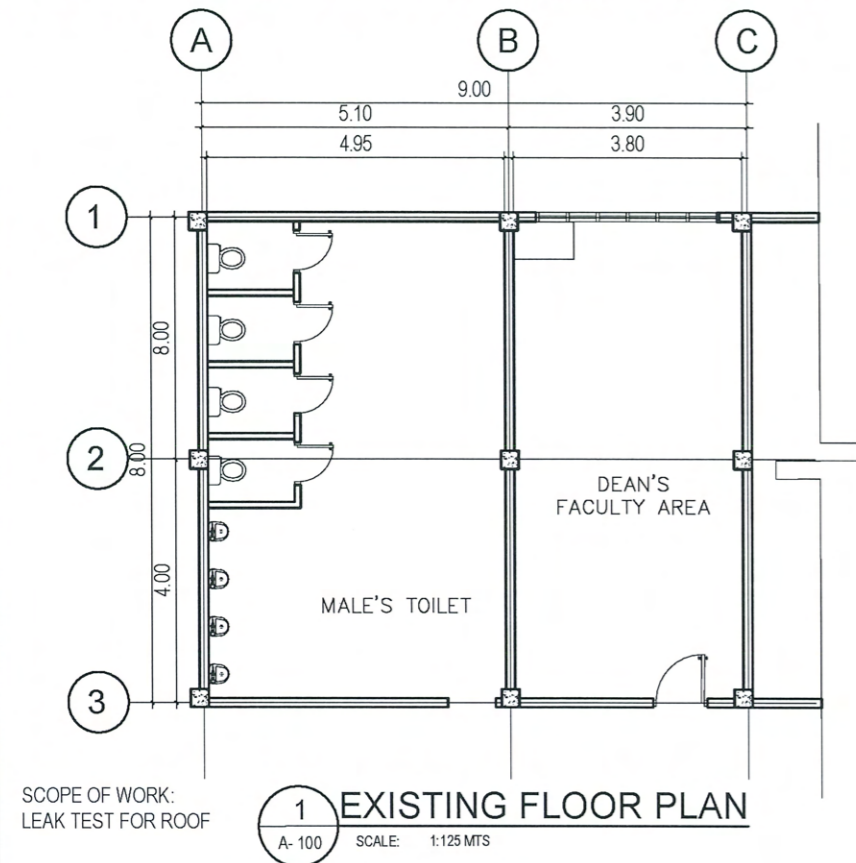
COLLEGE OF INDUSTRIAL AND TECHNOLOGY

1 COLLEGE OF INDUSTRIAL TECHNOLOGY KEYPLAN

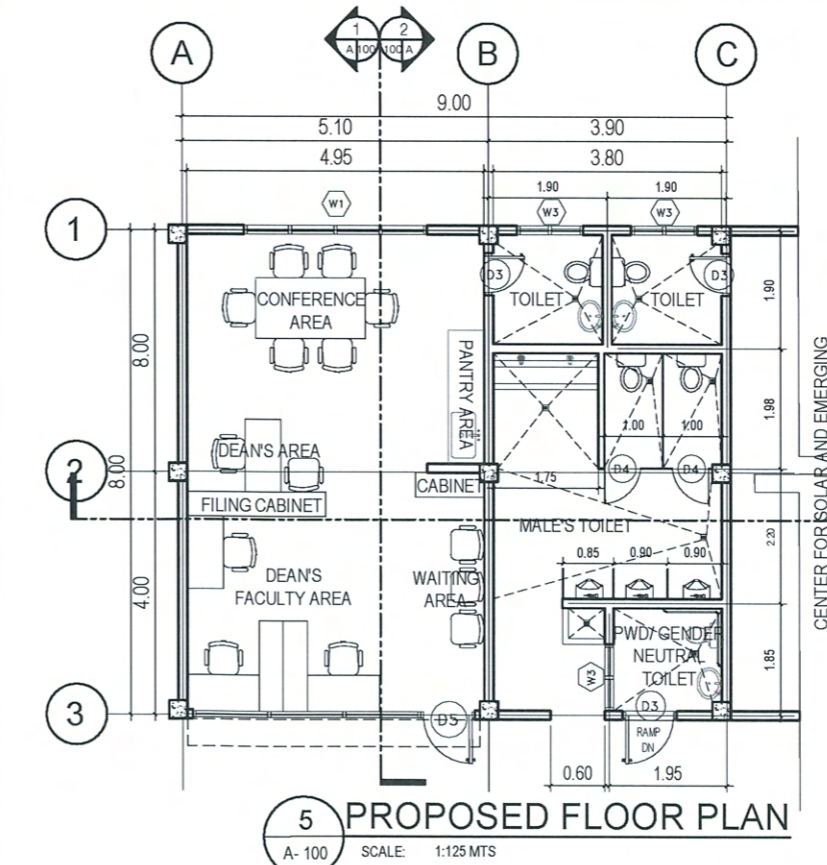
A-100 SCALE: NTS

 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	REQUESTING OFFICE:	PREPARED BY:	CERTIFIED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO:
	REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	ENGR. LARRY A. SUBOC DEAN, CIT	AR. ALDREY S. ERMITANIO DRAFTSMAN, OFDM	AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	A-100
PROJECT LOCATION:	ENGR. LARRY A. SUBOC DEAN, CIT	AR. ALDREY S. ERMITANIO DRAFTSMAN, OFDM	AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	DR. ARNOLD E. VELASCO PRESIDENT	DATE: MARCH 2024	01/22	

DEAN'S OFFICE AND MALE TOILETS

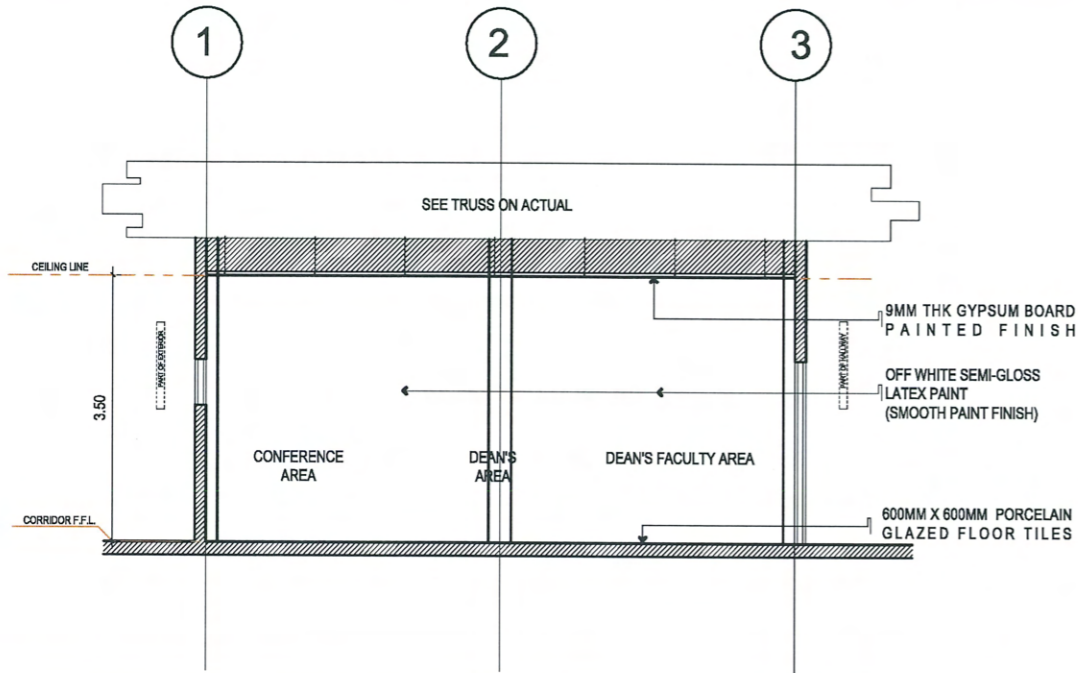


SCOPE OF WORK:
 -DEMOLITION OF WALL TILES
 -DEMOLITION OF TOILET PARTY WALLS
 -DEMOLITION OF DROP SINK COUNTER
 -DEMOLITION OF WALLS FOR ADDITIONAL WINDOWS
 -REPLACEMENT OF DOOR LOCKSET AND ACCESSORIES
 -REPLACEMENT OF ADDITIONAL DOOR & WINDOWS
 -DEMOLITION OF FLOORING AND CEILING WORKS AT DEAN'S OFFICE AND MALE TOILET

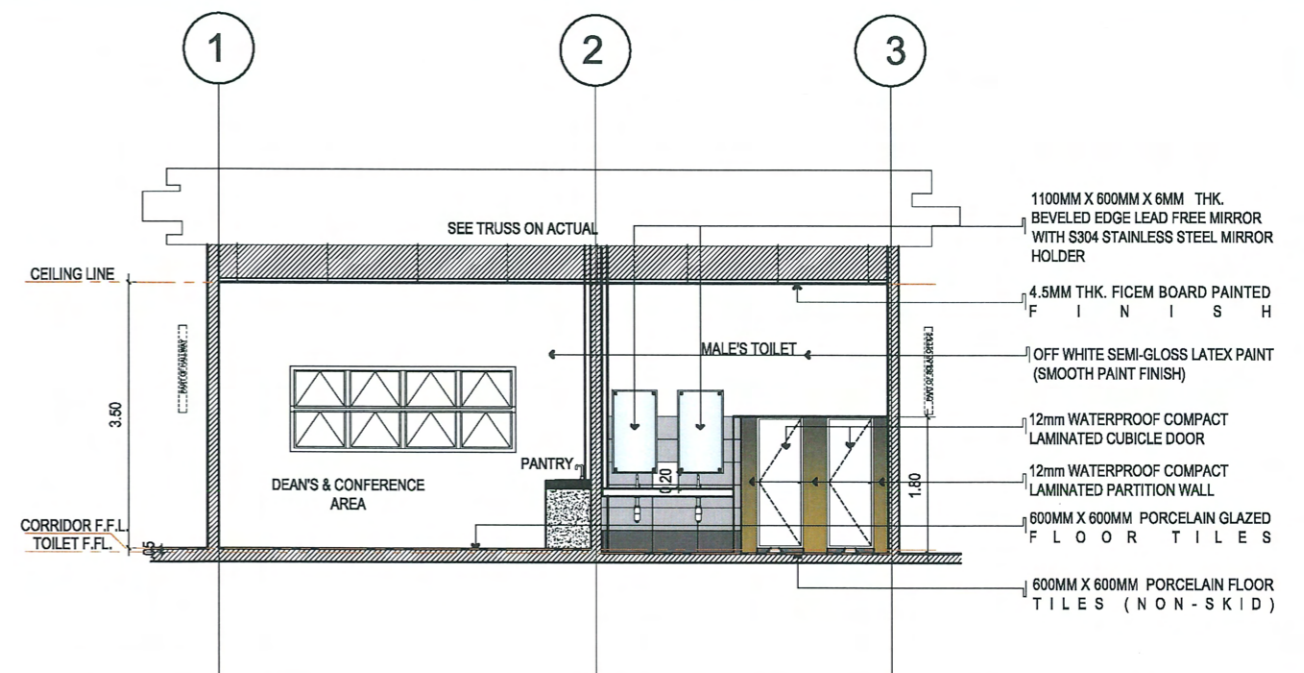


SCOPE OF WORK:
 -PAINTING OF WALLS
 -CONSTRUCTIONS OF TOILET PARTY WALLS
 -CONSTRUCTION OF DROP SINK COUNTER
 -INSTALLATION OF GLASS WALL FACADE AND GLASS DOOR
 -CONSTRUCTION OF NEW WALLS
 -PLUMBING WORKS FOR NEW TOILET LAYOUT
 -DEAN'S OFFICE (TILE WORKS, PAINTING WORKS, CEILING WORKS)
 -INSTALLATION OF ADDITIONAL DOOR & WINDOWS AND COMPLETE ACCESSORIES
 -CONCRETE TOPPING AT DEAN'S OFFICE

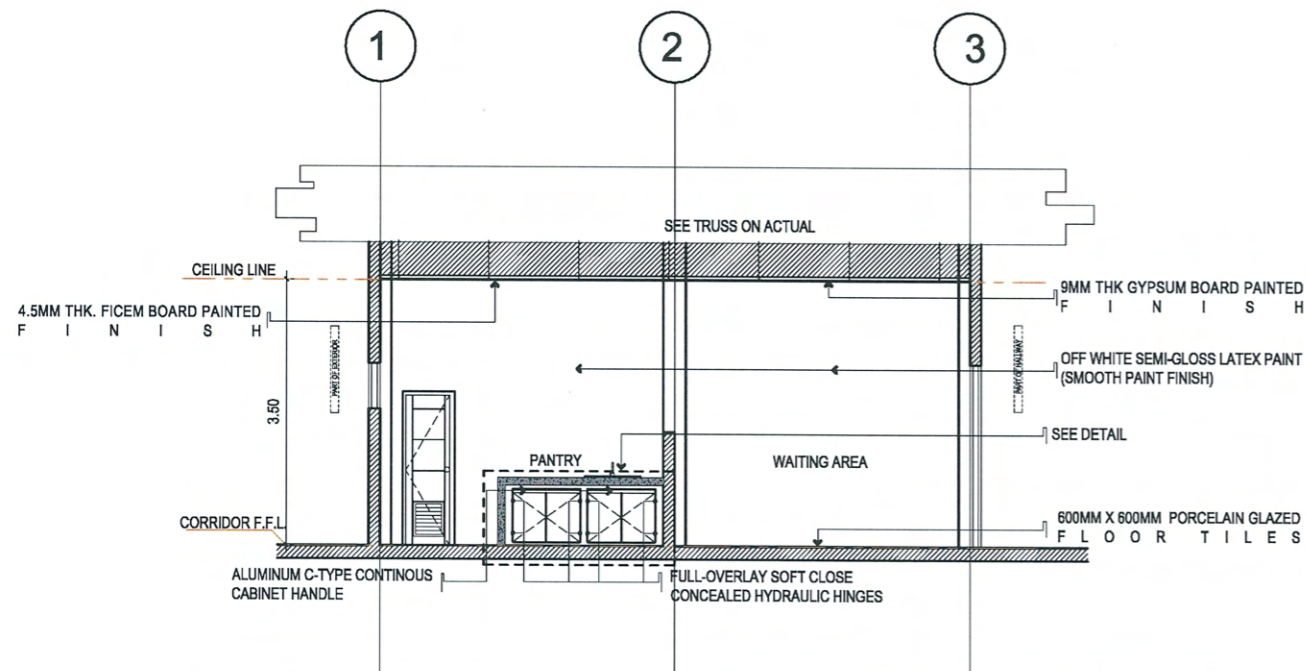
TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	REQUESTING OFFICE:	PREPARED BY:	CERTIFIED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	TSU SAN ISIDRO CAMPUS	ENGR. LARRY A. SUBOC DEAN, CIT	AR. ALDREN S. CRMITANIO DRAFTSMAN, OFDM	AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	DR. GRACEN. ROSETE VP FOR ADMINISTRATION AND FINANCE	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN
	PROJECT LOCATION:						DATE: MARCH 2024	PAGE NO: 02/22



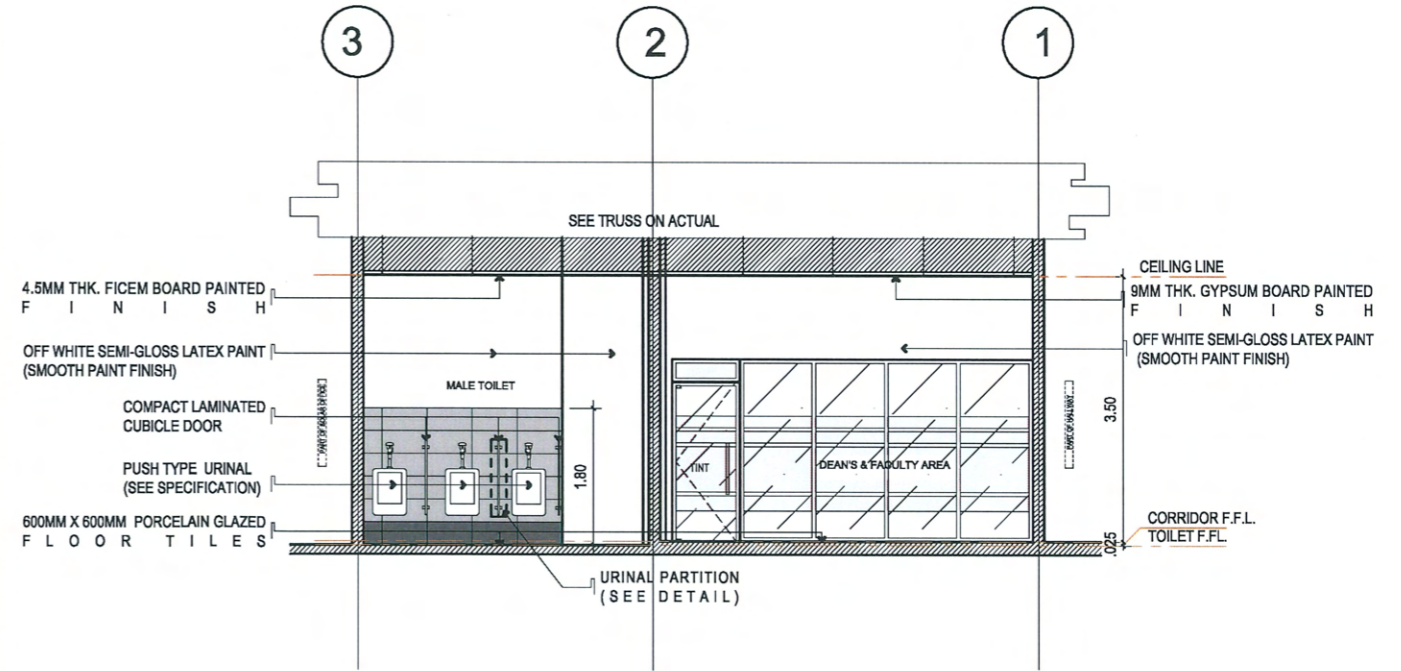
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A-100 SCALE: 1:100 MTS



3 BLOW-UP SECTION 03
A-100 SCALE: 1:100 MTS



2 BLOW-UP SECTION 02
A-100 SCALE: 1:100 MTS



4 BLOW-UP SECTION 04
A-100 SCALE: 1:100 MTS



TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE:
REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTURER ROOMS - 14)

PROJECT LOCATION:
TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
ENGR. LARRY A. SUBOC
DEAN, CIT

PREPARED BY:
AR. ALDREY S. ERMITANIO
DRAFTSMAN, OFDM

CERTIFIED BY:
AR. ARLEN M. GUIEB
DIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
DR. GRACE N. ROSETE
VP FOR ADMINISTRATION AND FINANCE

APPROVED:
DR. ARNOLD E. VELASCO
PRESIDENT

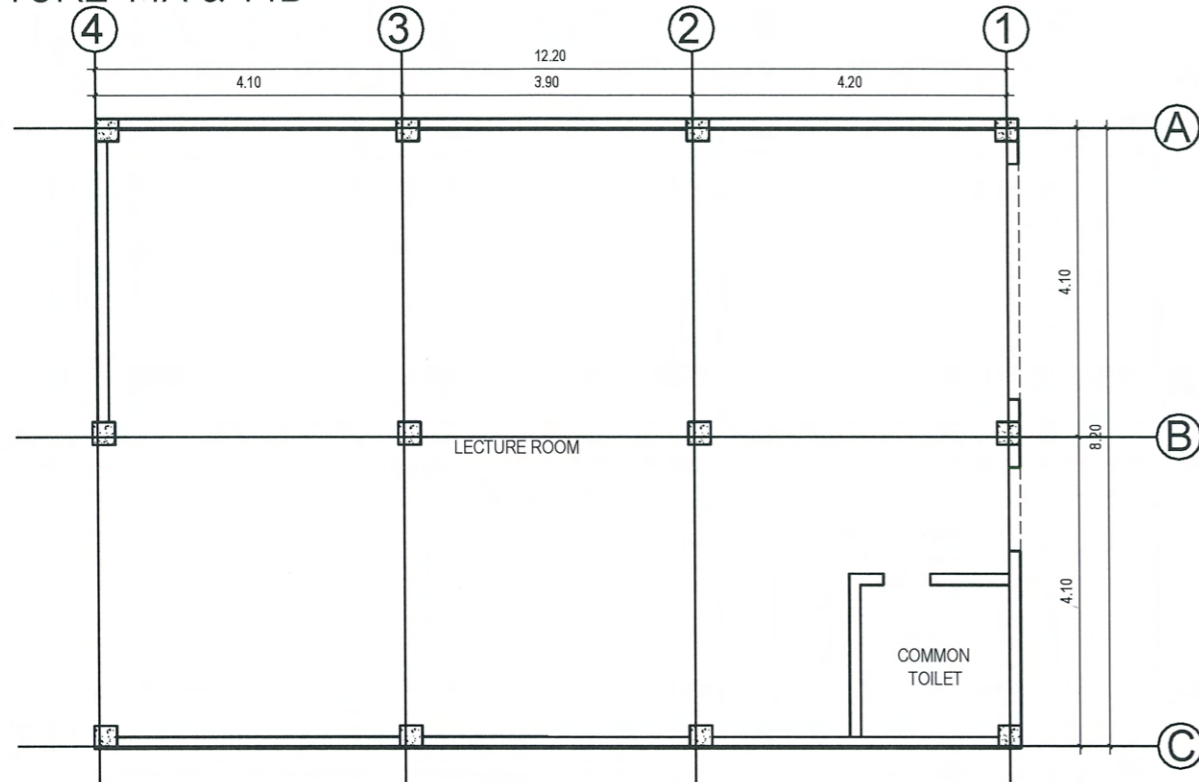
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AS SHOWN

SHEET NO:
A-100

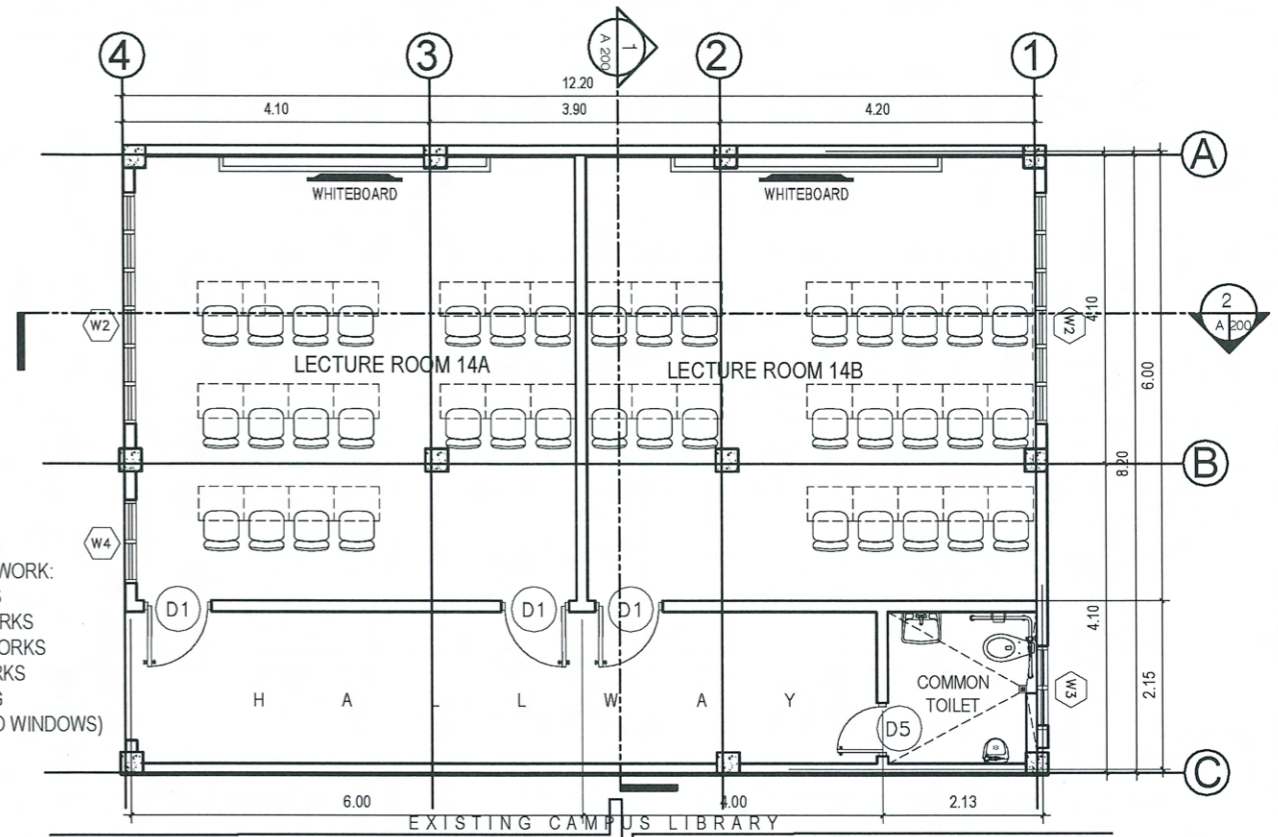
PAGE NO:
03/22

DATE: MARCH 2024

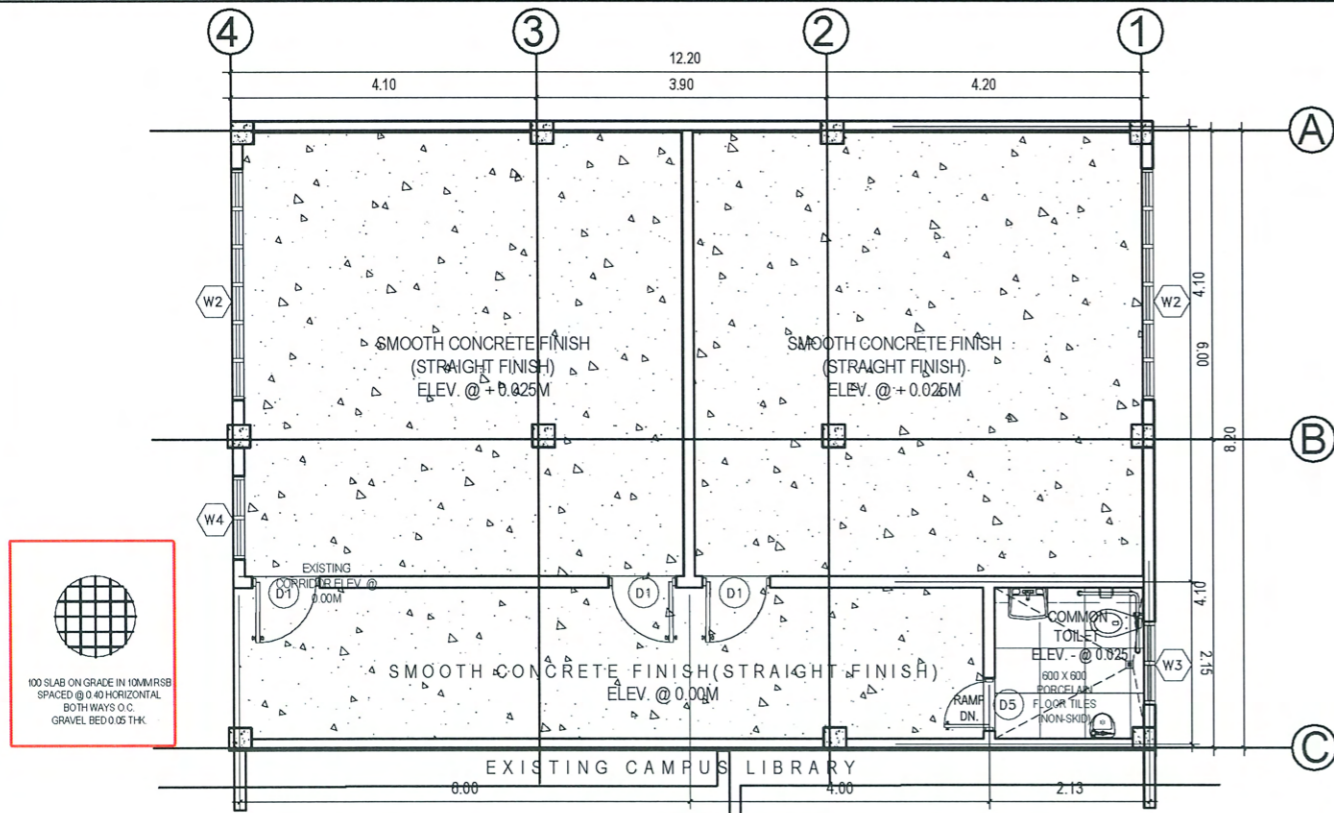
LECTURE 14A & 14B



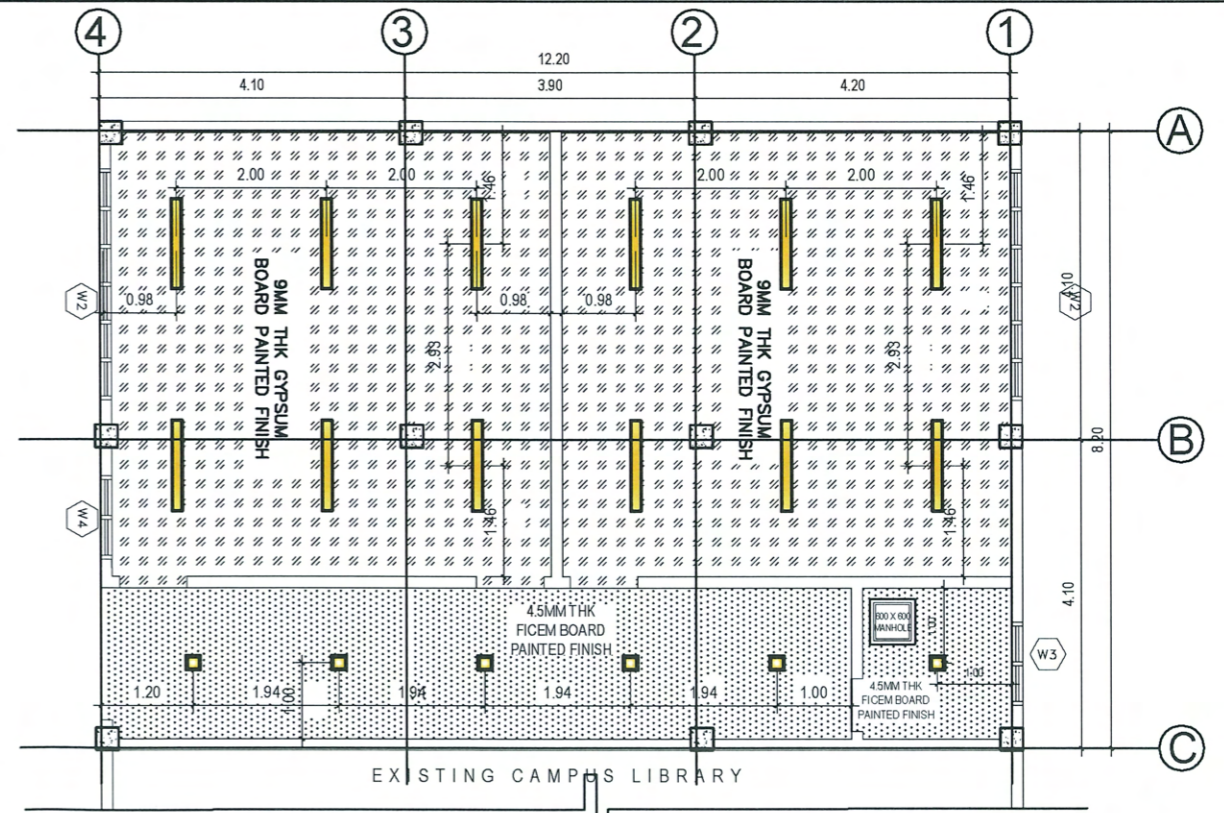
1 EXISTING FLOOR PLAN
A-200 SCALE 1:100 MTS



2 PROPOSED FLOOR PLAN
A-200 SCALE 1:100 MTS



3 FLOOR PATTERN PLAN
A-200 SCALE 1:100 MTS



4 REFLECTED CEILING PLAN
A-200 SCALE 1:100 MTS



TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE:
REFURBISHMENT OF CIT DEANS OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)

PROJECT LOCATION:
TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
ENGR. LARRY A. SUBOC
DEAN, CIT

PREPARED BY:
AR. ALDEN S. ERMITANIO
DRAFTSMAN, OFDM

CERTIFIED BY:
AR. ARLEN M. GUIEB
OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
DR. GRACE N. ROSETE
VP FOR ADMINISTRATION AND FINANCE

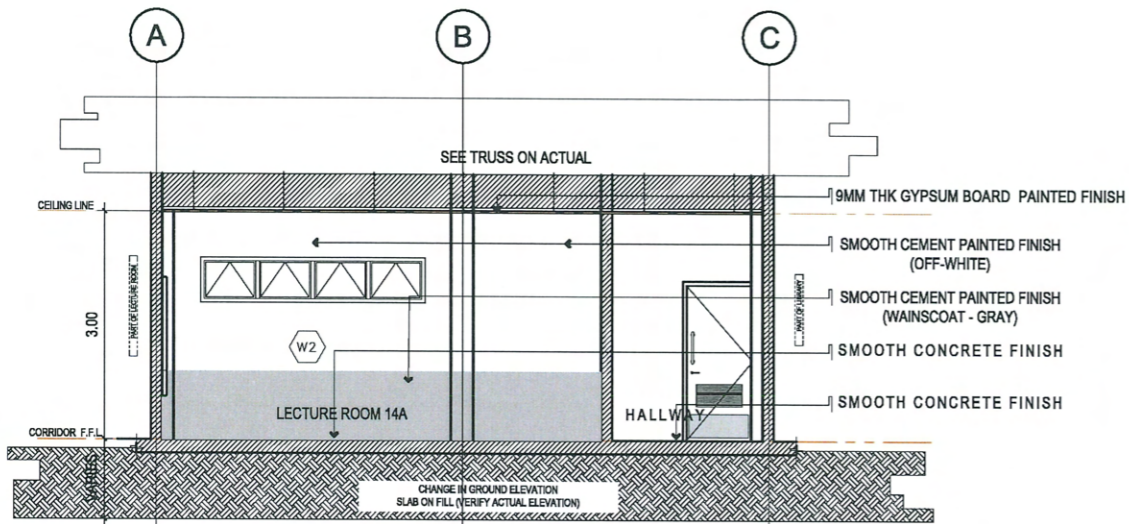
APPROVED:
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

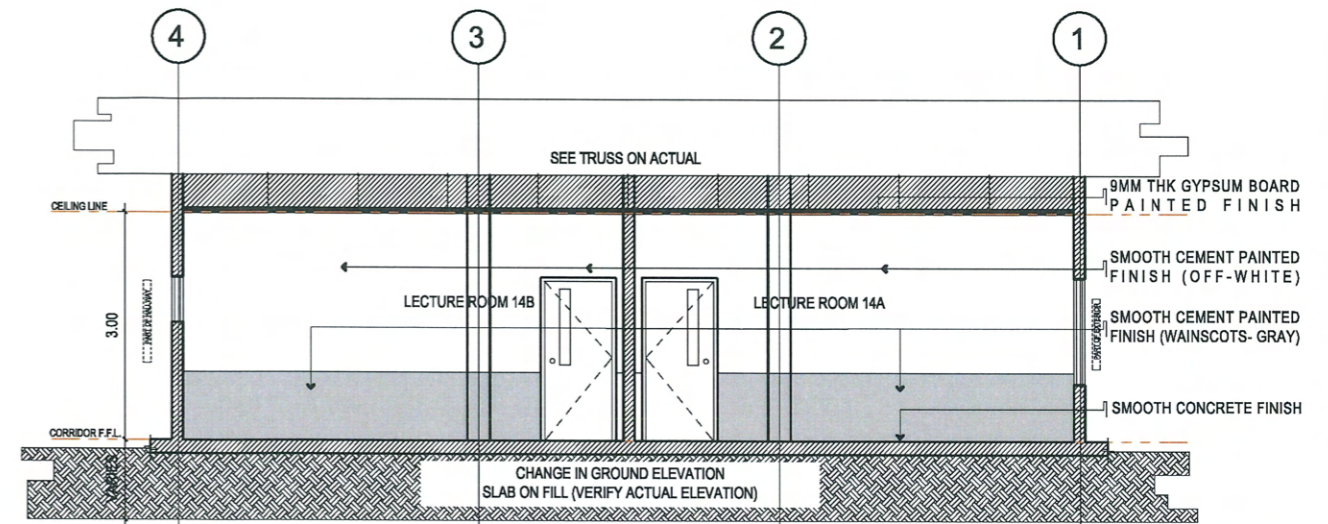
SHEET NO:
A-200

PAGE NO:
04/22

DATE: MARCH 2024



1 BLOW-UP SECTION 01
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2 BLOW-UP SECTION 02
 A-200 SCALE: 1:100 MTS

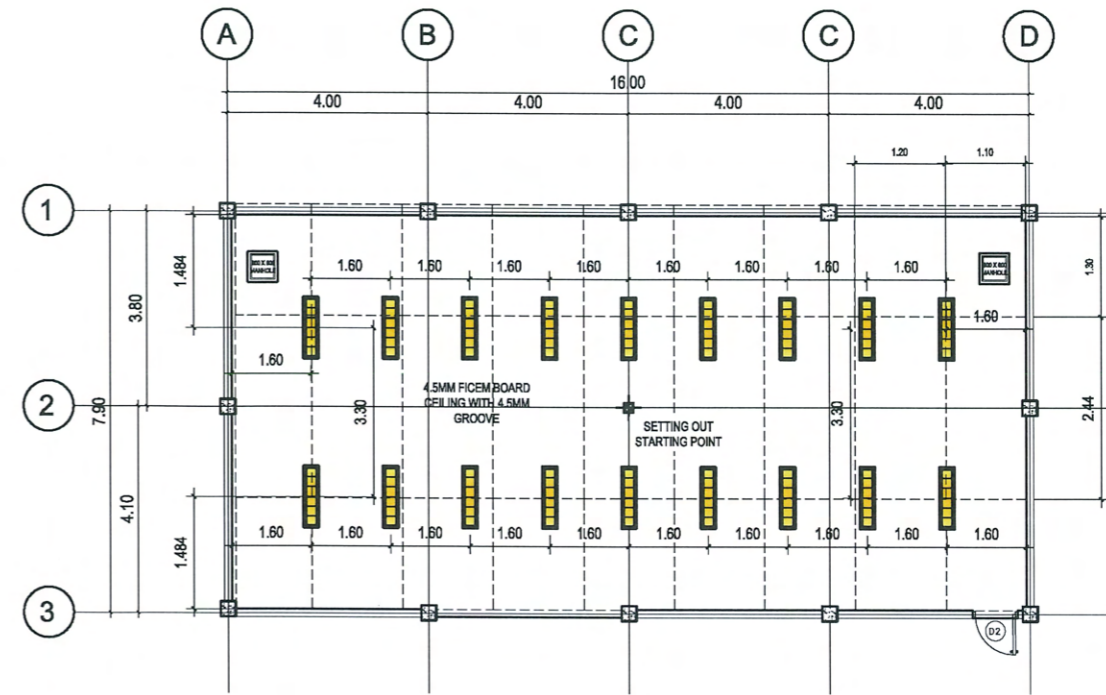
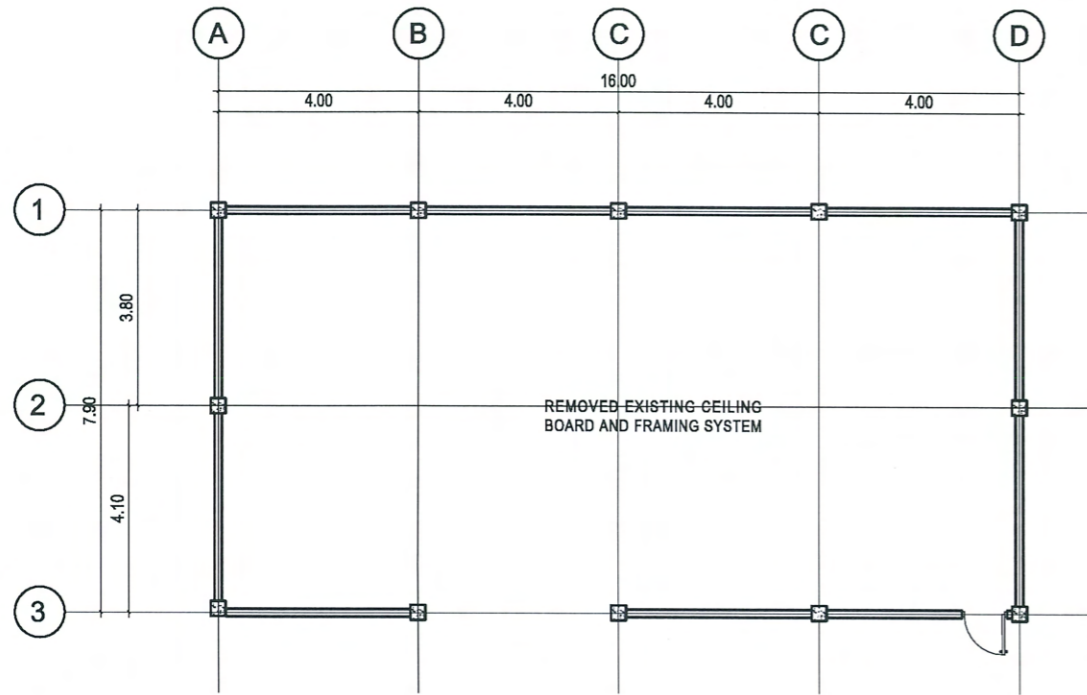
CIT DEANS OFFICE
FLOOR FINISHES
600 X 600 GLAZED PORCELAIN TILES
WALL FINISHES
SMOOTH PAINTED FINISH
CEILING FINISHES
9MM GYPSUM BOARD IN SMOOTH PAINTED FINISH
CIT MALE'S TOILET
FLOOR FINISHES
600 X 600 NON-SKID PORCELAIN TILES
WALL FINISHES
300 X 600 CERAMIC TILES
SMOOTH PAINTED FINISH
CEILING FINISHES
4.5MM THK FICEM BOARD IN SMOOTH PAINTED FINISH

CIT- LECTURE ROOM 14A & 14B
FLOOR FINISHES
SMOOTH CONCRETE FINISH (STRAIGHT FINISH)
WALL FINISHES
SMOOTH PAINTED FINISH
CEILING FINISHES
4.5MM FICEM BOARD IN SMOOTH PAINTED FINISH
CIT-ETL 3AB
FLOOR FINISHES
EXISTING FLOOR
WALL FINISHES
EXISTING PAINTING
CEILING FINISHES
4.5MM FICEM BOARD IN SMOOTH PAINTED FINISH

CIT FEMALE'S TOILET
FLOOR FINISHES
600 X 600 PORCELAIN TILES
WALL FINISHES
300 X 600 CERAMIC TILES
SMOOTH PAINTED FINISH
CEILING FINISHES
4.5MM THK FICEM BOARD IN SMOOTH PAINTED FINISH

COLLEGE OF INDUSTRIAL AND TECHNOLOGY
3 SCHEDULE OF FINISHES
 A-200 SCALE: NTS

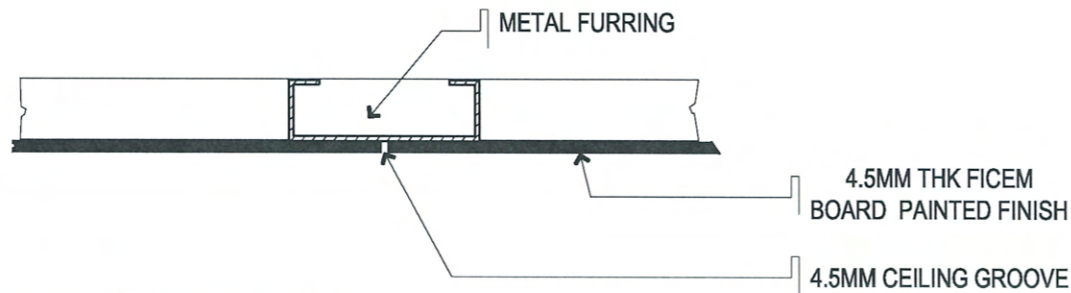
TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	REQUESTING OFFICE:	PREPARED BY:	CERTIFIED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	ENGR. LARRY A. SUBOC DEAN, CIT	AR. ALDREN S. ERMITANIO DRAFTSMAN, OFDM	AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	A-200
PROJECT LOCATION:	TSU SAN ISIDRO CAMPUS						DATE: MARCH 2024	PAGE NO.: 05/22



1 EXISTING FLOOR PLAN
A-300 SCALE: 1:100 MTS

2 NEW CONSTRUCTION PLAN
A-300 SCALE: 1:100 MTS

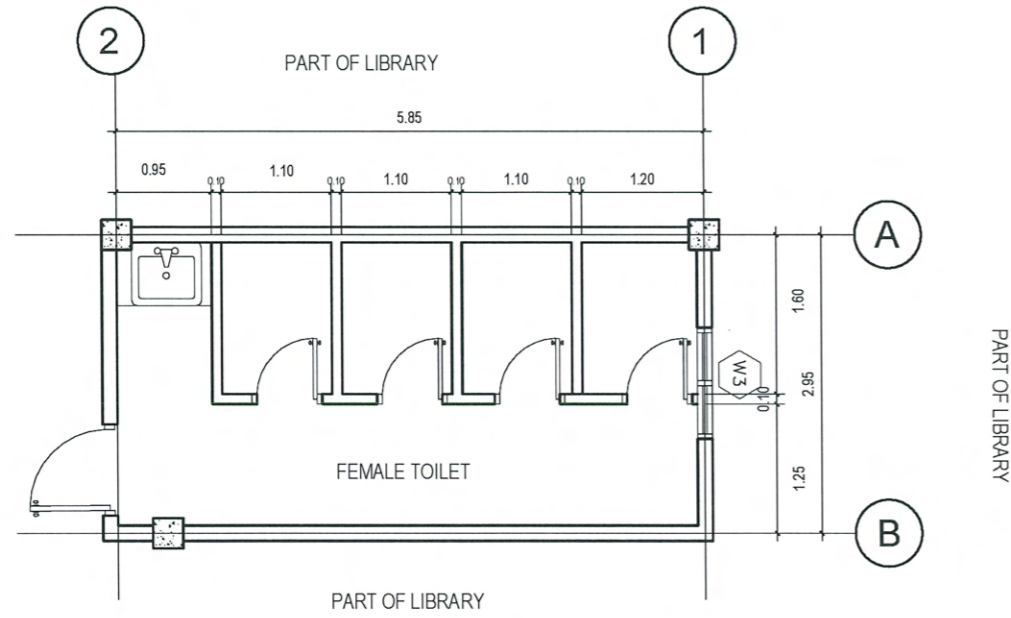
SCOPE OF WORK:
- CEILING WORKS: DEMOLITIONS AND INSTALLATION OF NEW CEILING BOARDS AND FRAMING



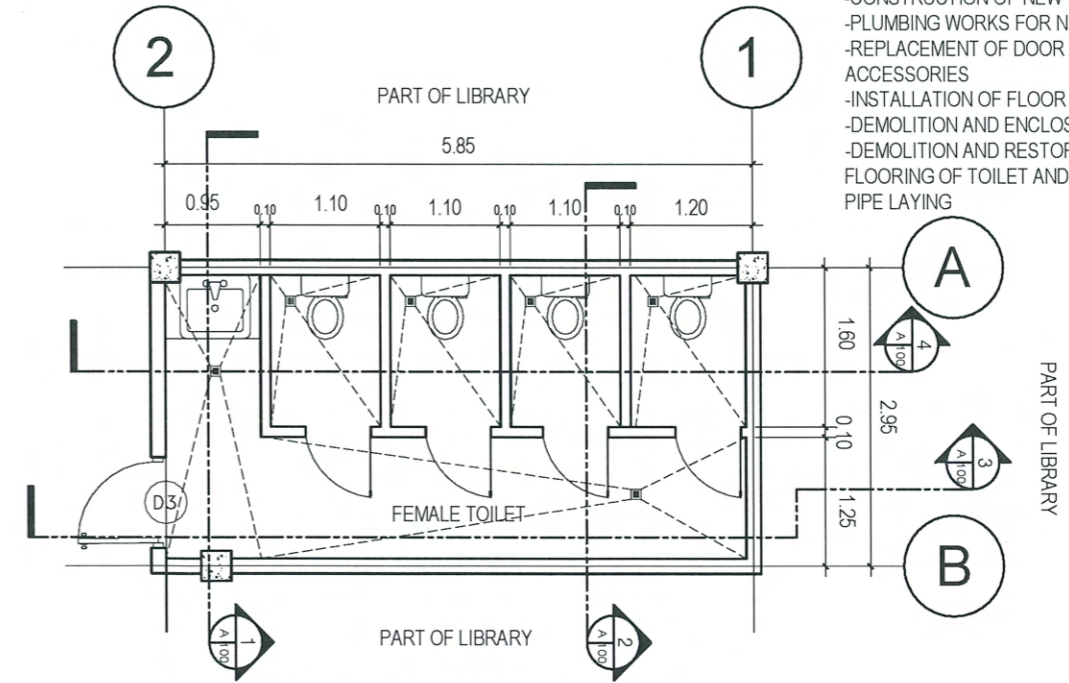
BLOW-UP CEILING DETAILS

<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	REQUESTING OFFICE:	PREPARED BY:	CERTIFIED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
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	PROJECT LOCATION:						DATE: MARCH 2024	
	TSU SAN ISIDRO CAMPUS							

FEMALE TOILET

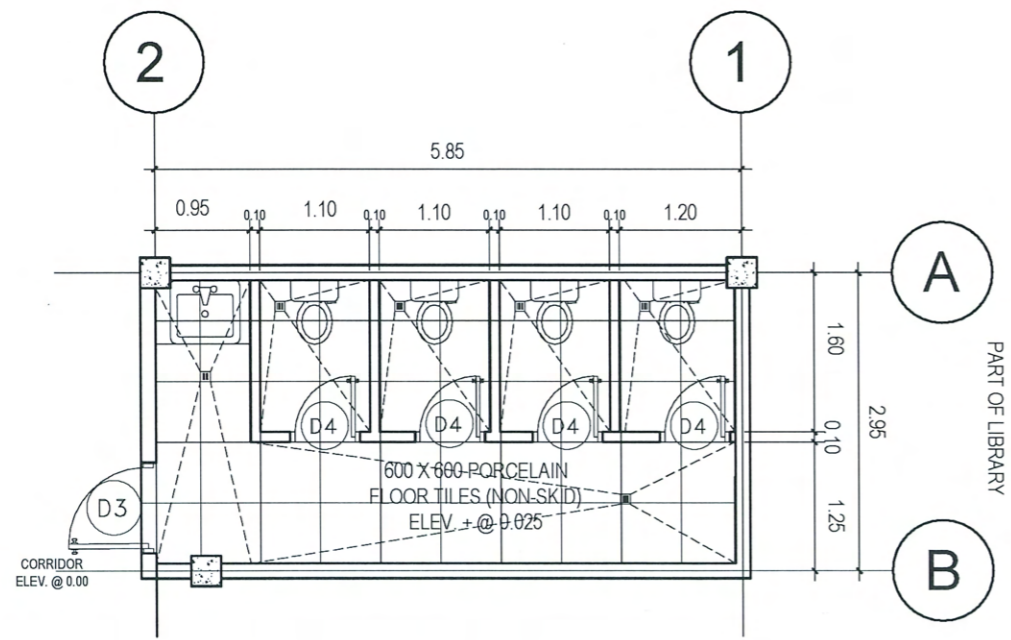


1 EXISTING FLOOR PLAN
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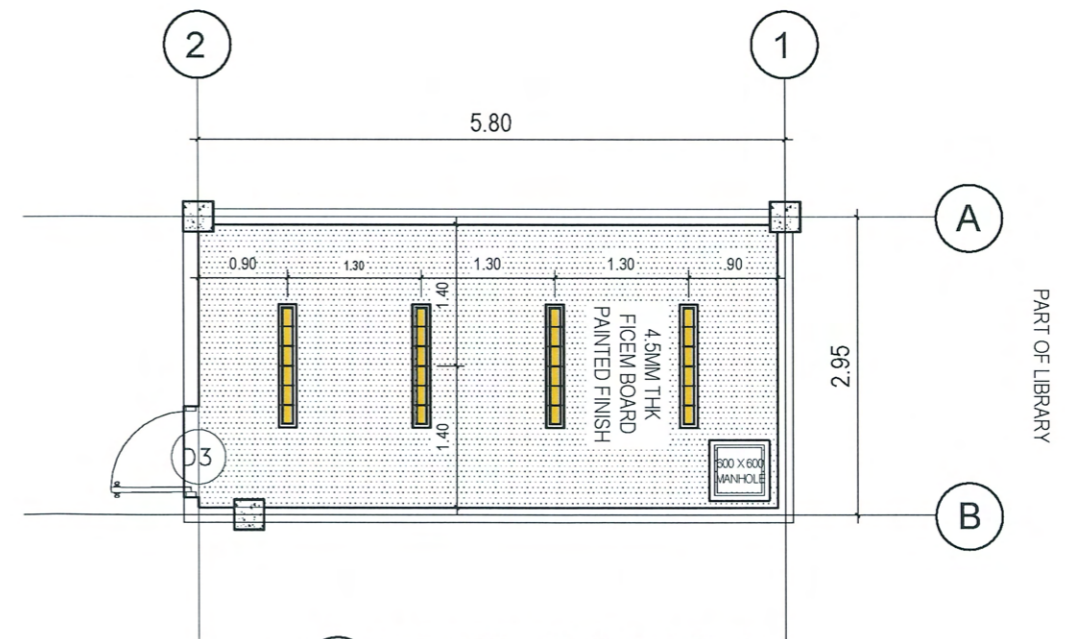


2 PROPOSED FLOOR PLAN
A-400 SCALE: 1/75 MTS

- SCOPE OF WORK:
- PAINTING OF WALLS
 - EXTENSION OF TOILET PARTY WALLS
 - CONSTRUCTION OF NEW WALLS
 - PLUMBING WORKS FOR NEW TOILET LAYOUT
 - REPLACEMENT OF DOOR AND COMPLETE ACCESSORIES
 - INSTALLATION OF FLOOR & WALL TILES
 - DEMOLITION AND ENCLOSURE EXISTING WINDOW
 - DEMOLITION AND RESTORATION OF EXISTING FLOORING OF TOILET AND ADJACENT LIBRARY FOR PIPE LAYING



3 FLOOR PATTERN LAYOUT
A-400 SCALE: 1/75 MTS



4 REFLECTED CEILING PLAN
A-400 SCALE: 1/75 MTS



PROJECT TITLE:
REFURBISHMENT OF CIT DEANS OFFICE, MALE AND FEMALE TOILETS,
AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)

PROJECT LOCATION:
TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
ENGR. LARRY A. SUBOC
DEAN, CIT

PREPARED BY:
AR. ALDREN S. ERMITANIO
DRAFTSMAN, OFDM

CERTIFIED BY:
AR. ARLEN M. GUIEB
OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
DR. GRACE M. ROSETE
VP FOR ADMINISTRATION AND FINANCE

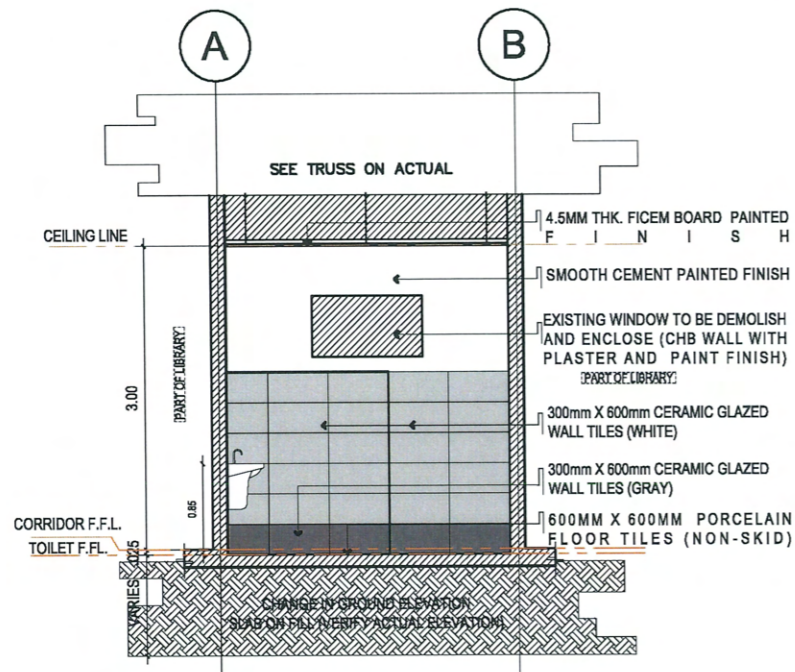
APPROVED:
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
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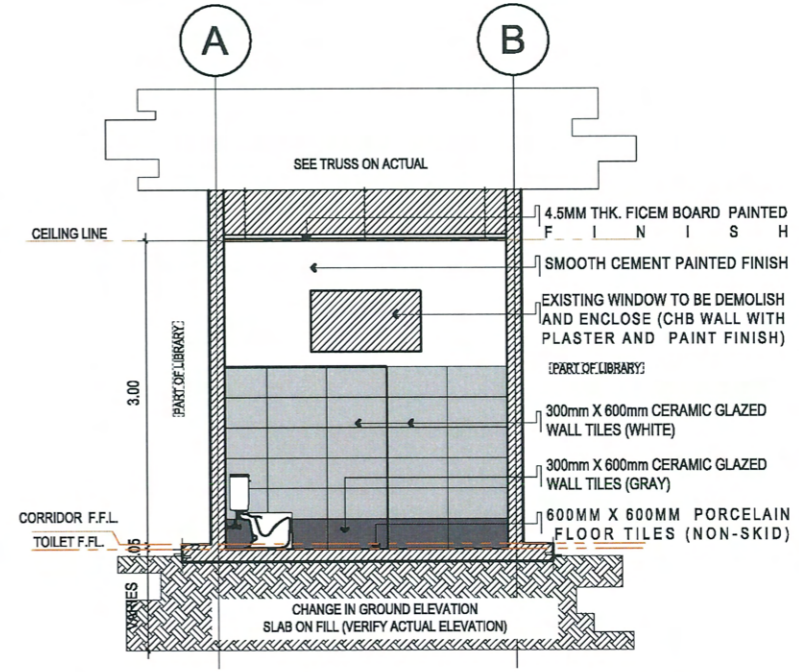
SHEET NO:
A-400

PAGE NO:
07/22

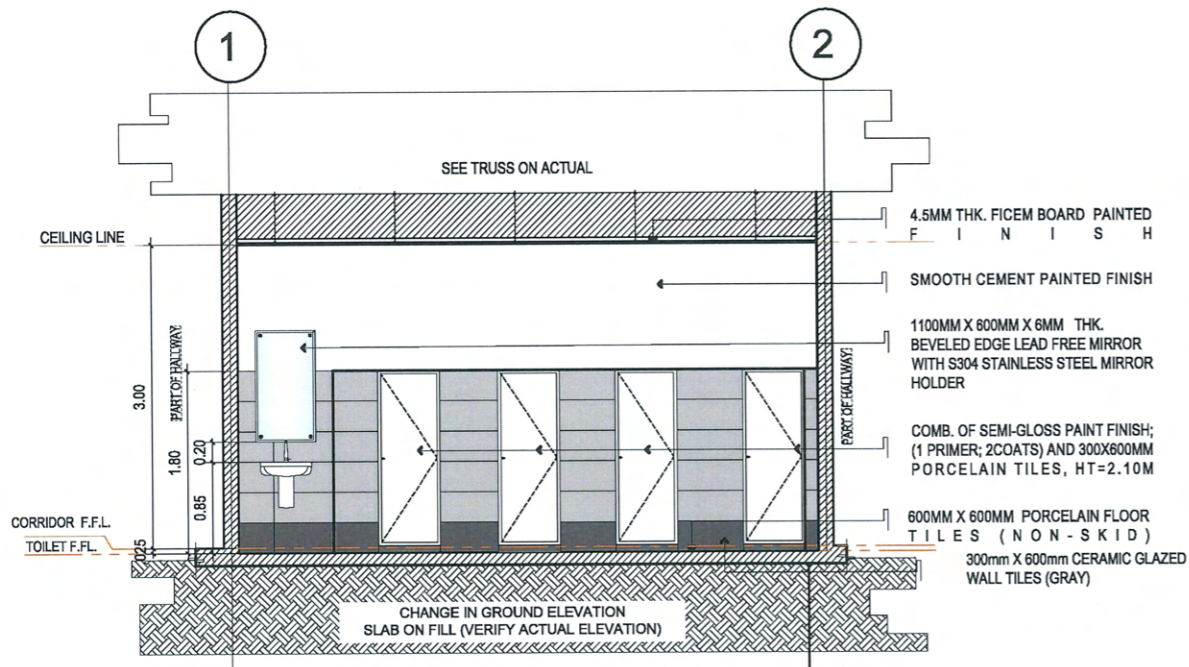
DATE: MARCH 2024



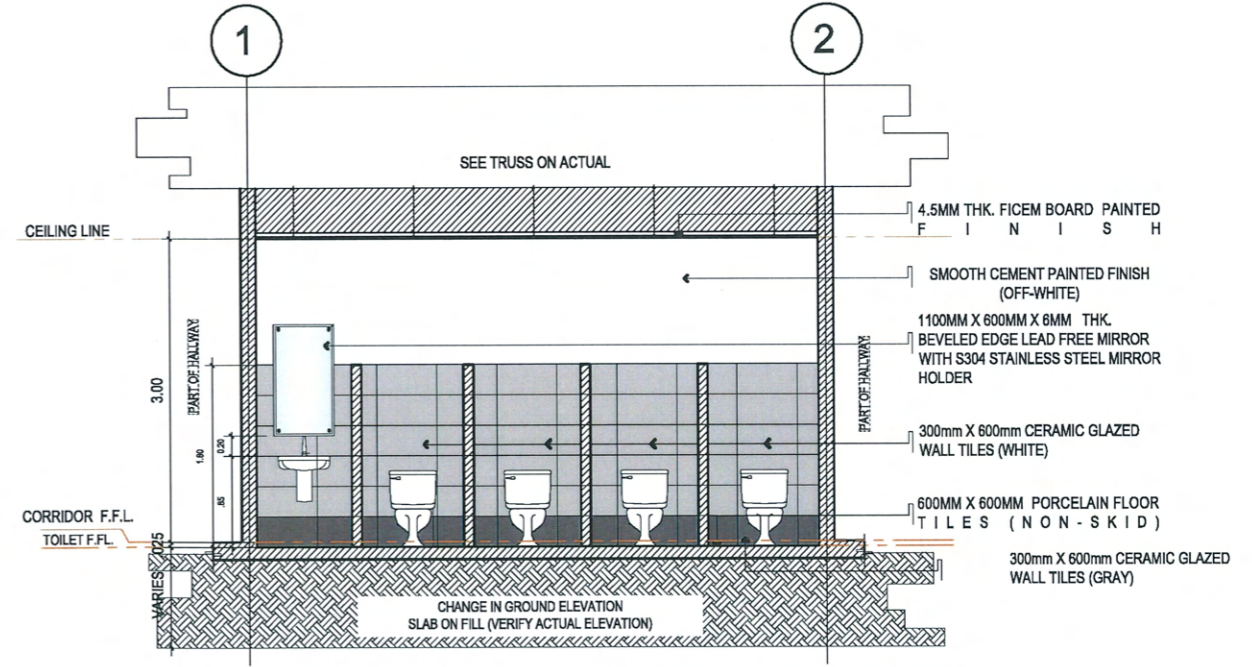
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A-400 SCALE: 1:75 MTS



2 BLOW-UP SECTION 02
A-400 SCALE: 1:75 MTS



3 BLOW-UP SECTION 03
A-400 SCALE: 1:75 MTS



4 BLOW-UP SECTION 04
A-400 SCALE: 1:75 MTS



PROJECT TITLE:
REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS,
AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)
PROJECT LOCATION:
TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
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DEAN, CIT

PREPARED BY:
AR. ALDREN S. ERMITANIO
DRAFTSMAN, OFDM

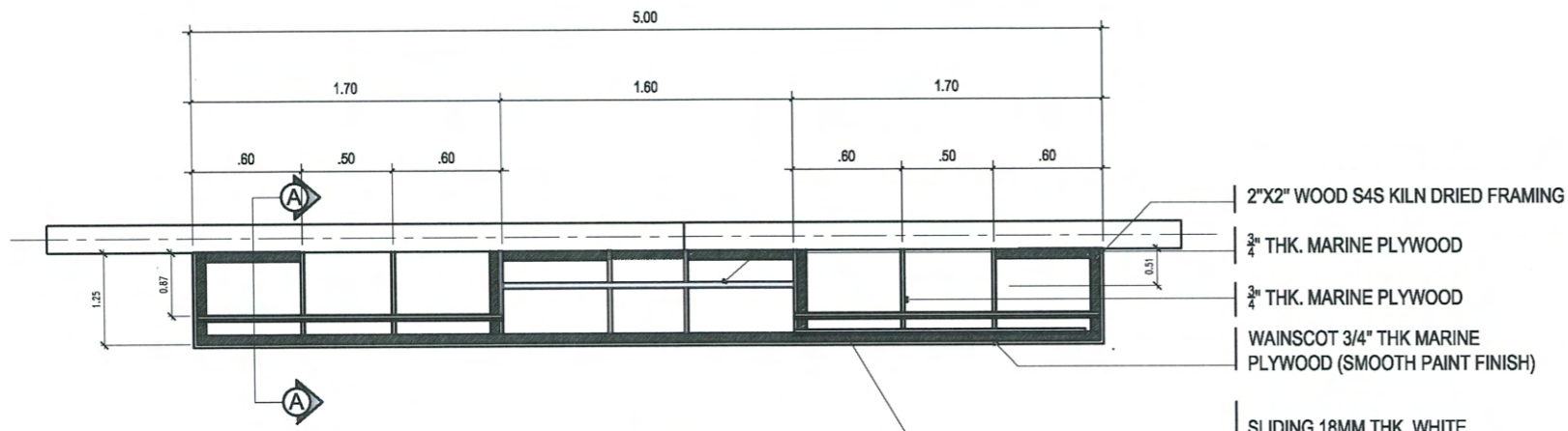
CERTIFIED BY:
AR. ARLEN M. GUIEB
OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
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VP FOR ADMINISTRATION AND FINANCE

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PRESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: MARCH 2024

SHEET NO:
A-400
PAGE NO:
08/22

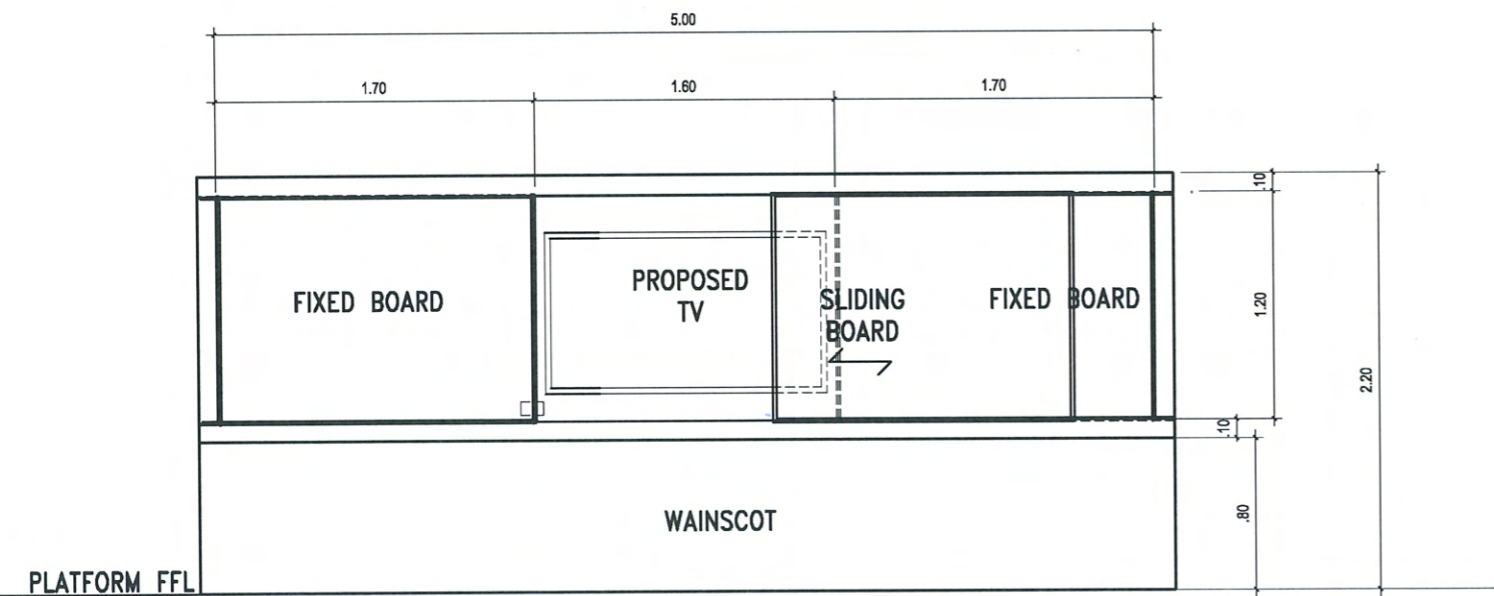


PLAN

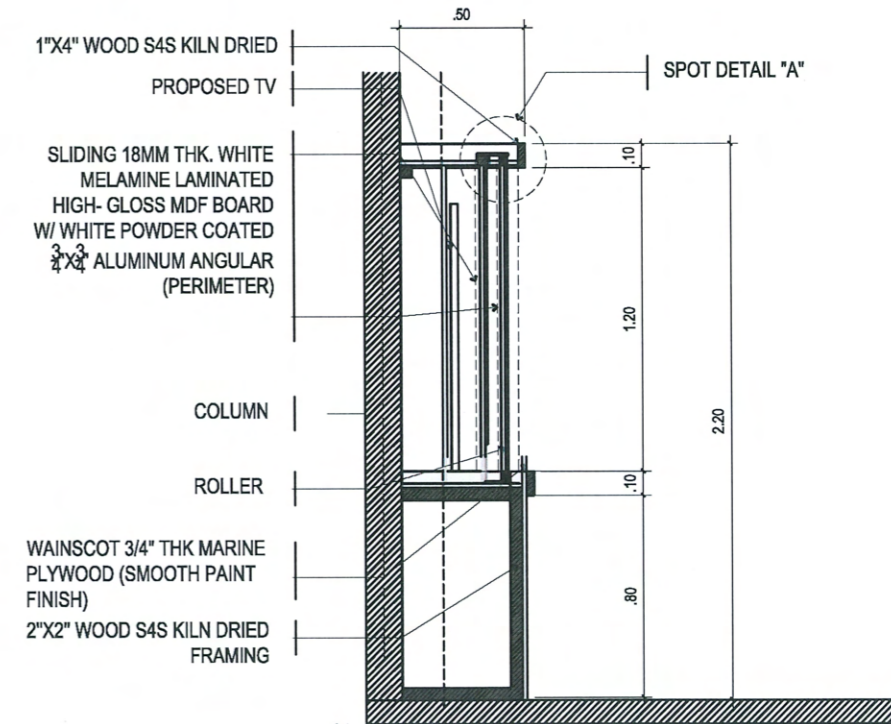
- 2"X2" WOOD S4S KILN DRIED FRAMING
- 3/4" THK. MARINE PLYWOOD
- 3/4" THK. MARINE PLYWOOD
- WAINSCOT 3/4" THK MARINE PLYWOOD (SMOOTH PAINT FINISH)
- SLIDING 18MM THK. WHITE MELAMINE LAMINATED HIGH- GLOSS MDF BOARD W/ WHITE POWDER COATED
- 3/4"X3/4" ALUMINUM ANGULAR (PERIMETER)



SPOT DETAIL "A"



ELEVATION



COLLEGE OF INDUSTRIAL AND TECHNOLOGY

1
A-500

WHITE BOARD AND WAINSCOT

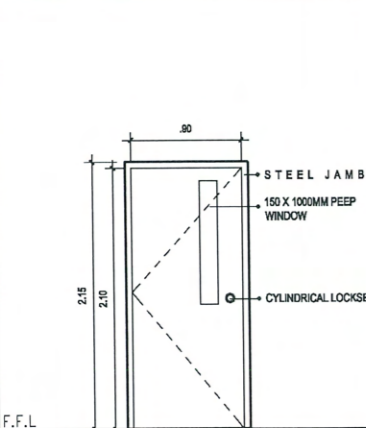
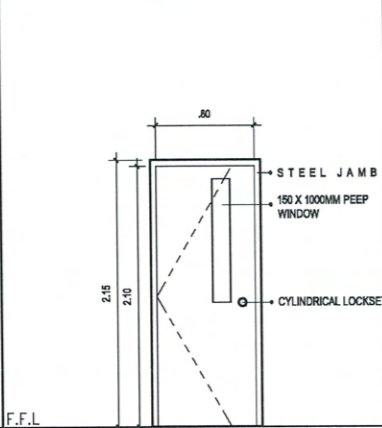
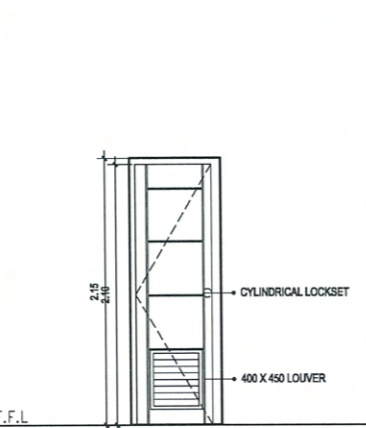
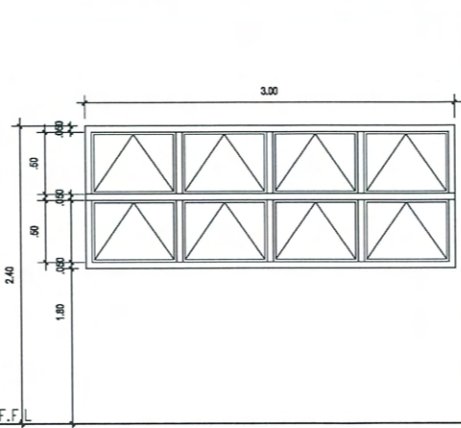
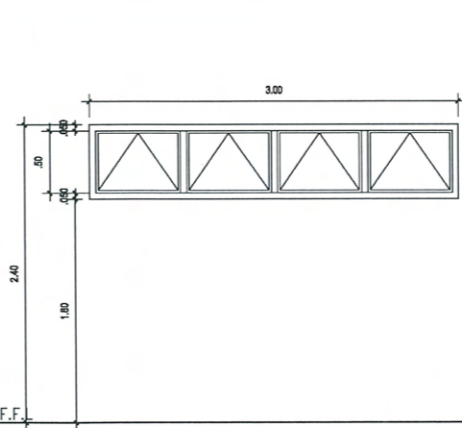
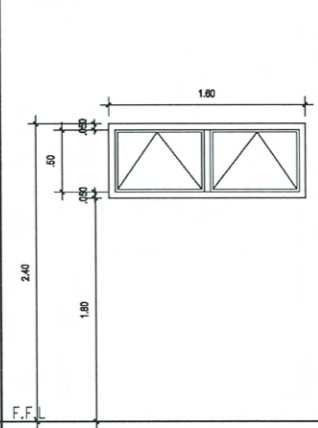
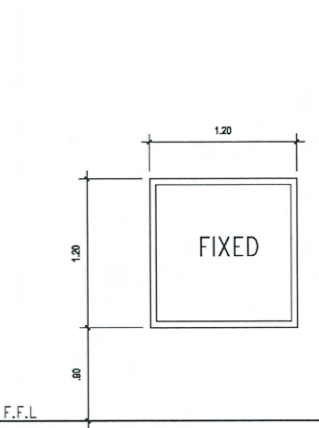
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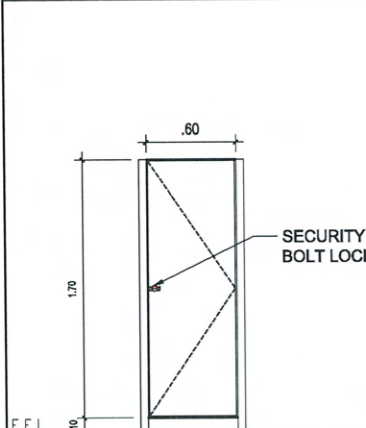
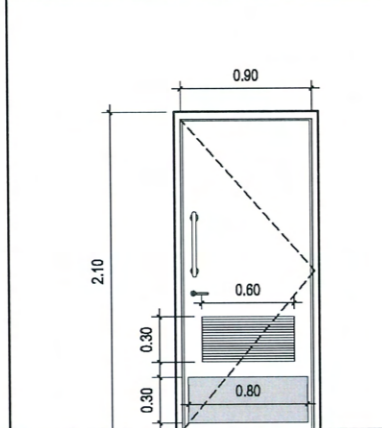
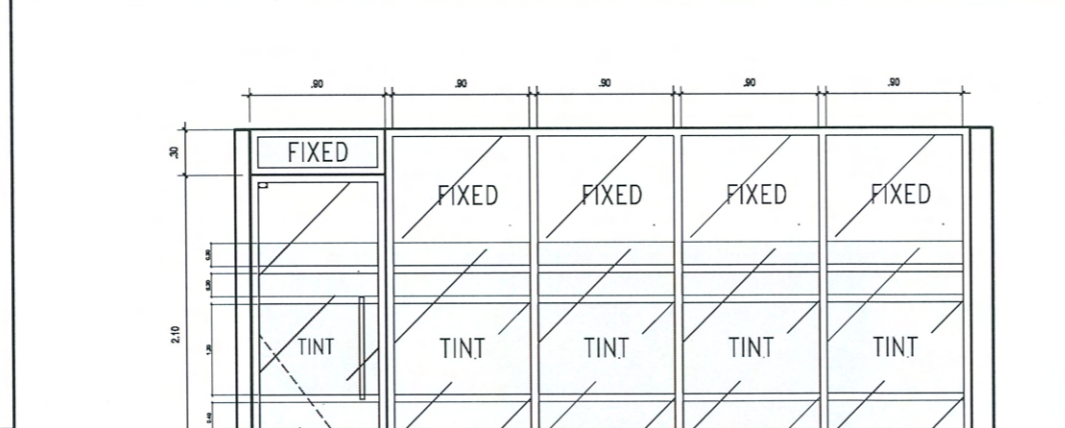
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PROJECT TITLE: REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	REQUESTING OFFICE: ENGR. LARRY A. SUBOC DEAN, CIT	PREPARED BY: AR. ALDREN S. ERMITANIO DRAFTSMAN, OFDM	CERTIFIED BY: AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	RECOMMENDING APPROVAL: DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: MARCH 2024	SHEET NO: A-500 PAGE NO: 09/22
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SCHEDULE OF DOORS AND WINDOWS

						
D1 3 - SETS REQUIRED LOCATION: LECTURE RM 14AB	D2 1 - SETS REQUIRED LOCATION: ETL 3AB	D3 3 - SETS REQUIRED LOCATION: OFFICE TOILETS	W1 1 - SETS REQUIRED LOCATION: DEAN'S OFFICE	W2 2 - SETS REQUIRED LOCATION: LECTURE ROOM14AB	W3 1 - SETS REQUIRED LOCATION: COMMON TOILET, OFFICE TOILETS	W4 1 - SETS REQUIRED LOCATION: CLASSROOMS
SINGLE SWING TANGUILE WOODEN PANEL DOOR (WOOD STAIN FINISH) JAMB: 0.50mm THK. GI STEEL (SMOOTH PAINT FINISH) PEEP WINDOW: 6MM THK. CLEAR TEMPERED GLASS KNOB: HEAVY DUTY CYLINDRICAL TYPE STAINLESS HINGES: HEAVY DUTY STAINLESS	SINGLE SWING TANGUILE WOODEN PANEL DOOR (DARK WALNUT WOOD STAIN FINISH) JAMB: 0.50mm THK. GI STEEL (SMOOTH PAINT FINISH) PEEP WINDOW: 6MM THK. CLEAR TEMPERED GLASS KNOB: HEAVY DUTY CYLINDRICAL TYPE HINGES: HEAVY DUTY	SINGLE SWING TANGUILE WOODEN PANEL DOOR FOR COMFORT ROOM WITH LOUVER (SMOOTH PAINT FINISH) 0.50mm THICK GI DOOR JAMB WITH CYLINDRICAL DOOR KNOB AND COMPLETE ACCESSORIES	WHITE POWDER COATED (1 3/4" X 4") ALUMINUM FRAME AWNING WINDOW WITH 6mm THK. ONE WAY REFLECTIVE BRONZE GLASS (exterior)	WHITE POWDER COATED (1 3/4" X 4") ALUMINUM FRAME AWNING WINDOW WITH 6mm THK. ONE WAY REFLECTIVE BRONZE GLASS (exterior)	WHITE POWDER COATED (1 3/4" X 4") ALUMINUM FRAME AWNING WINDOW WITH 6mm THK. ONE WAY REFLECTIVE BRONZE GLASS (exterior)	WHITE POWDER COATED (1 3/4" X 4") ALUMINUM FRAME FIXED WINDOW WITH 6mm THK. ONE WAY REFLECTIVE BRONZE GLASS (exterior)

		
D-04 6 - SETS REQUIRED LOCATION: MALE & FEMALE CUBICLE	D-05 1- SET REQUIRED LOCATION: PWD/ GENDER NEUTRAL TOILET	D-06 1- SET REQUIRED LOCATION: DEAN'S OFFICE
12MM THK. WATERPROOF COMPACT LAMINATED BOARD CUBICLE DOOR WITH STAINLESS STEEL FLUSH MOUNTED HINGES AND TOILET DOOR STAINLESS STEEL SECURITY BOLT LOCK PLUG HARDWARE	SINGLE SWING TANGUILE WOODEN PANEL DOOR (WOOD STAIN FINISH) JAMB: 0.50MM THK. GI STEEL W/ SOUND PROOF SEAL STRIP (SELF ADHESIVE RUBBER) KICK PLATE: 1.20MM THK. S304 STAINLESS STEEL (BRUSHED FINISH) KNOB: HEAVY DUTY LEVER TYPE HANDLE: 1" S304 STAINLESS STEEL VERTICAL PULL HANDLE HINGES: HEAVY DUTY	PARTITION: 10mm THK. FIXED CLEAR TEMPERED GLASS WITH FROSTED TINT AND COMPLETE ACCESSORIES FRAME : 1 3/4" X 4" WHITE POWDER COATED ALUMINUM

COLLEGE OF INDUSTRIAL AND TECHNOLOGY

1
A-600

SCHEDULE OF DOORS AND WINDOWS

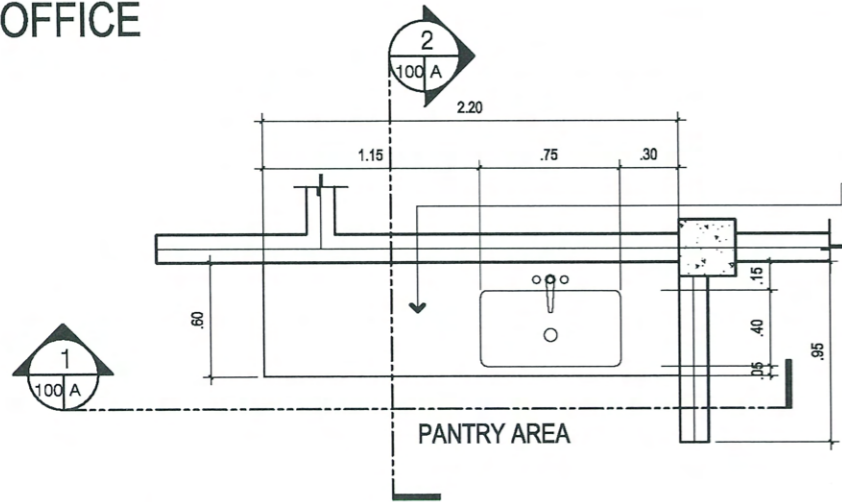
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NTS



PROJECT TITLE: REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	REQUESTING OFFICE: ENGR. LARRY A. SUBOC DEAN, CIT	PREPARED BY: AR. ALDREN S. ERMITANIO DRAFTSMAN, OFDM	CERTIFIED BY: AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	RECOMMENDING APPROVAL: DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-600
PROJECT LOCATION: TSU SAN ISIDRO CAMPUS						DATE: MARCH 2024	PAGE NO: 10/22

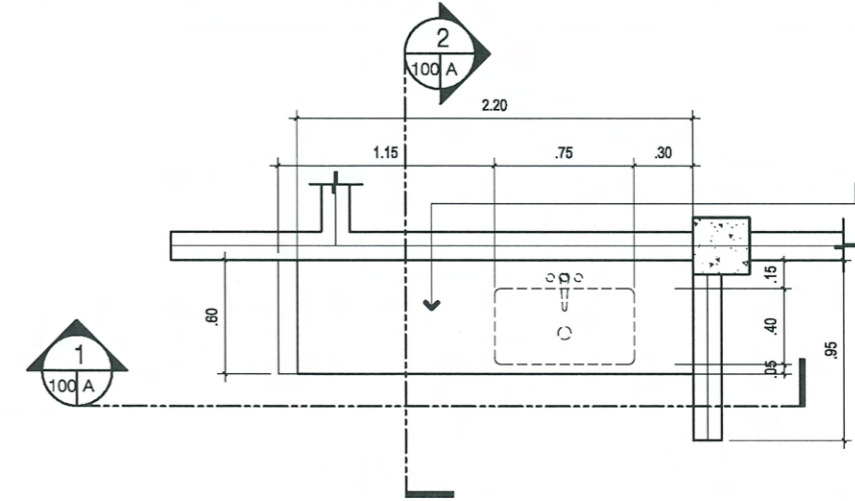
DEAN'S OFFICE



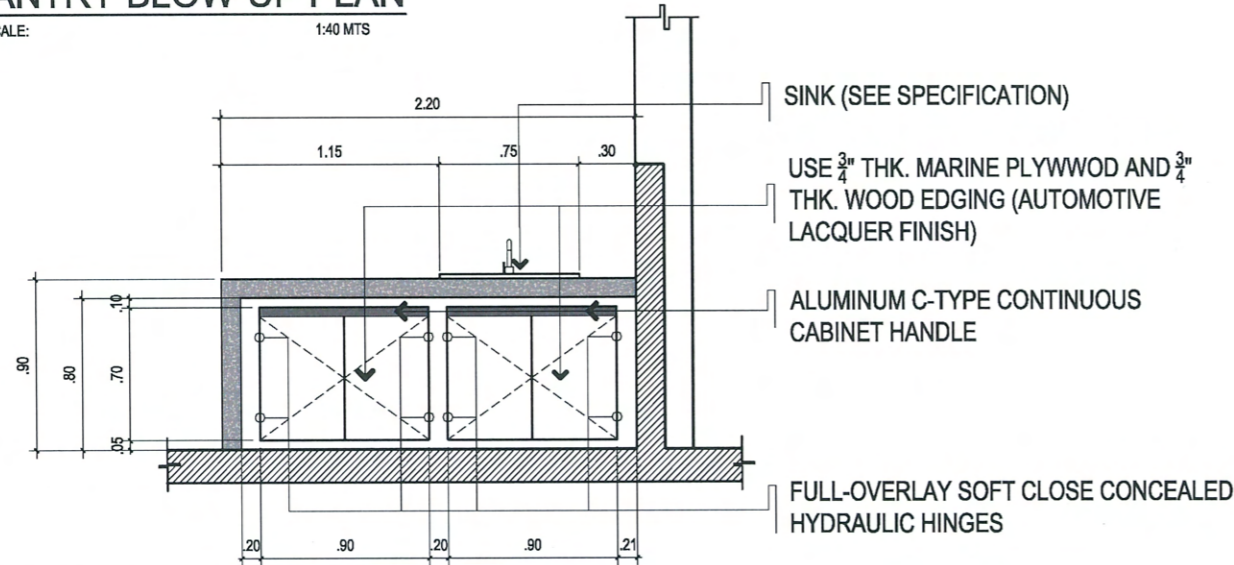
NOTE :

FABRICATION OF CABINETS

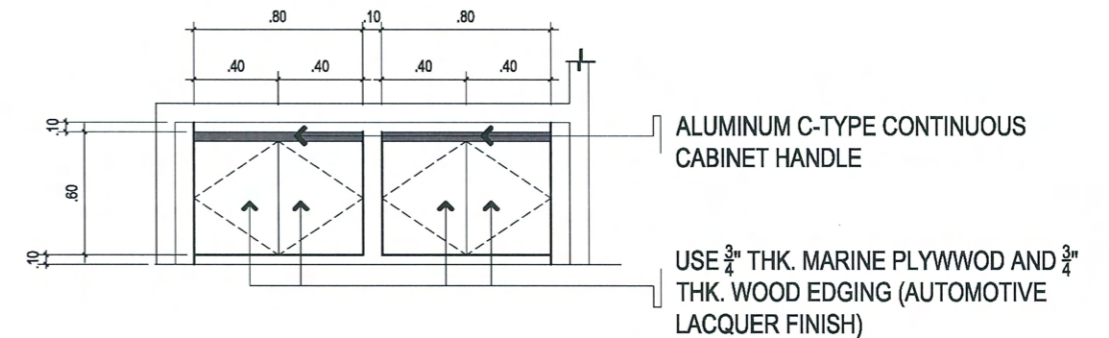
- USE 3/4" THK. MARINE PLYWOOD AND 3/4" THK. WOOD EDGING
- USE FULL-OVERLAY SOFT CLOSE CONCEALED HYDRAULIC HINGES
- USE ALUMINUM C-TYPE CONTINUOUS CABINET HANDLE
- DUCO PAINT FINISH (TOP COAT W/ AUTOMOTIVE LACQUER PAINT WHITE)
- USE COMPRESSOR FOR PAINTING



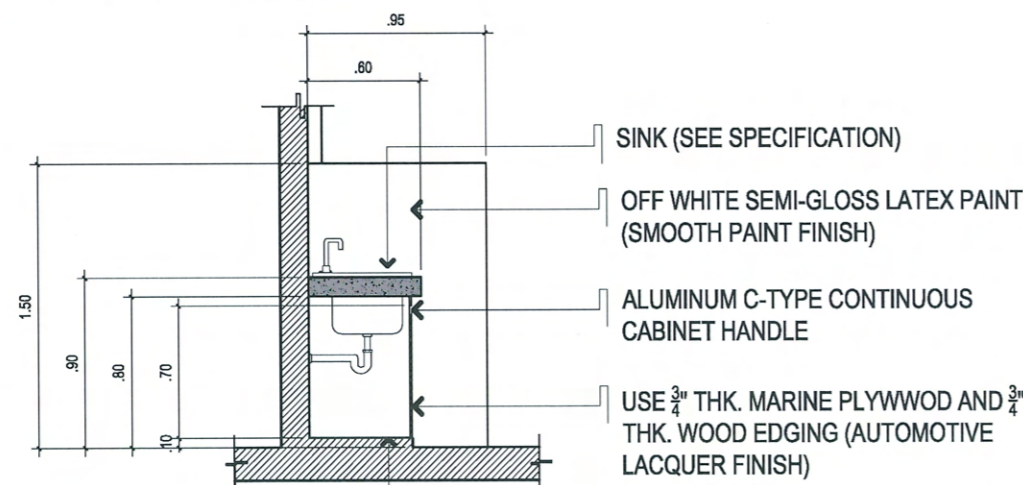
1 PANTRY BLOW-UP PLAN
A-700 SCALE: 1:40 MTS



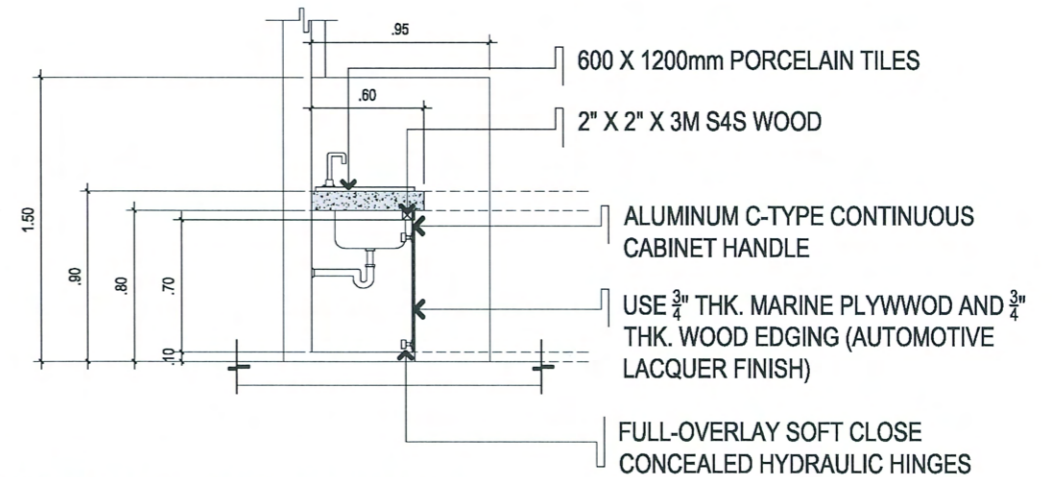
4 PANTRY CABINET BLOW-UP PLAN
A-700 SCALE: 1:40 MTS



2 BLOW-UP SECTION 01
A-700 SCALE: 1:40 MTS



5 BLOW-UP SECTION 01
A-700 SCALE: 1:40 MTS



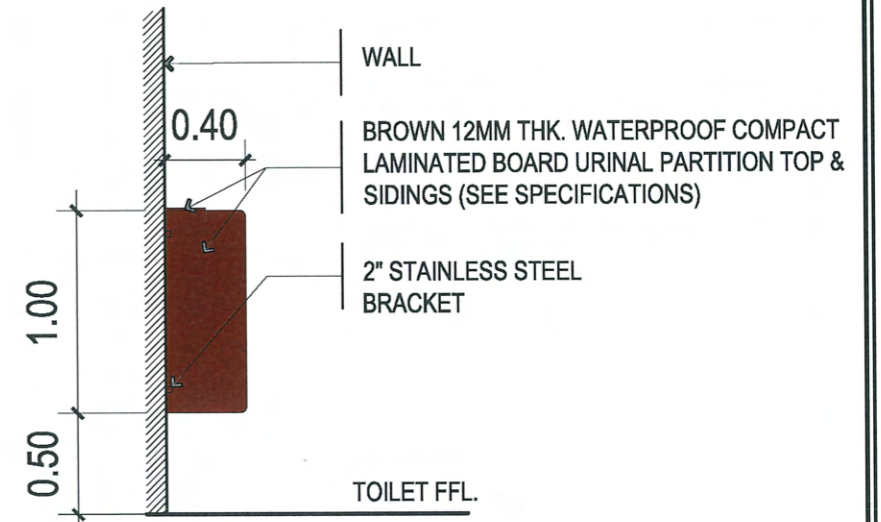
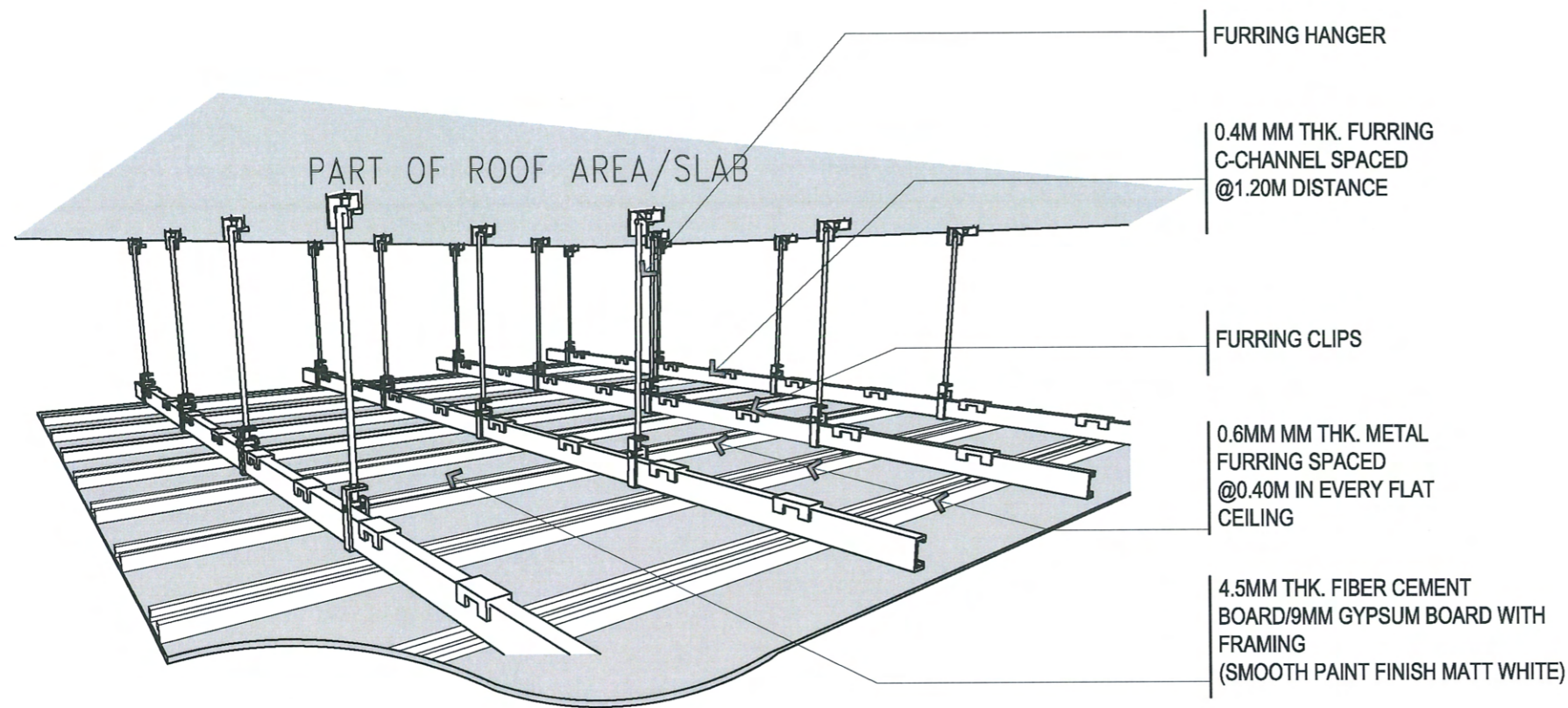
3 BLOW-UP SECTION 02
A-700 SCALE: 1:40 MTS



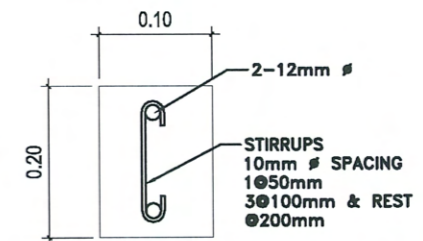
6 BLOW-UP SECTION 02
A-700 SCALE: 1:40 MTS



PROJECT TITLE: REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTURER ROOMS - 14)	REQUESTING OFFICE: ENGR. LARRY A. SUBOC DEAN, CIT	PREPARED BY: AR. ALDREN S. BERMUDEZ DRAFTSMAN, OFDM	CERTIFIED BY: AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	RECOMMENDING APPROVAL: DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: MARCH 2024	SHEET NO: A-700 PAGE NO: 11/22
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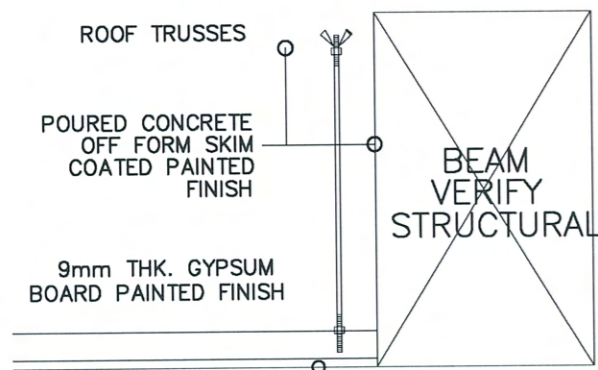


TYPICAL URINAL PARTITION DETAILS

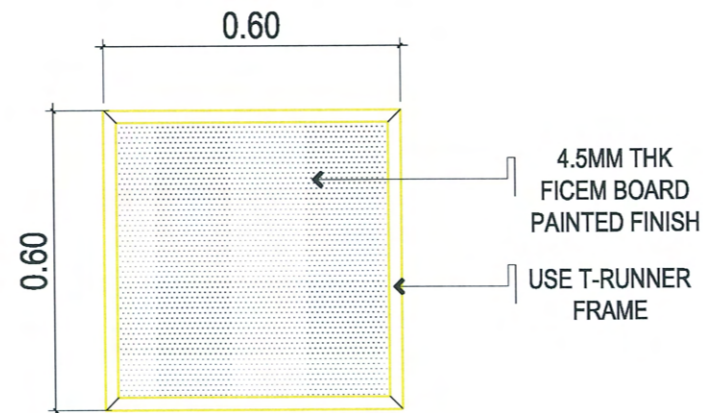


TYPICAL LINTEL BEAM SECTION

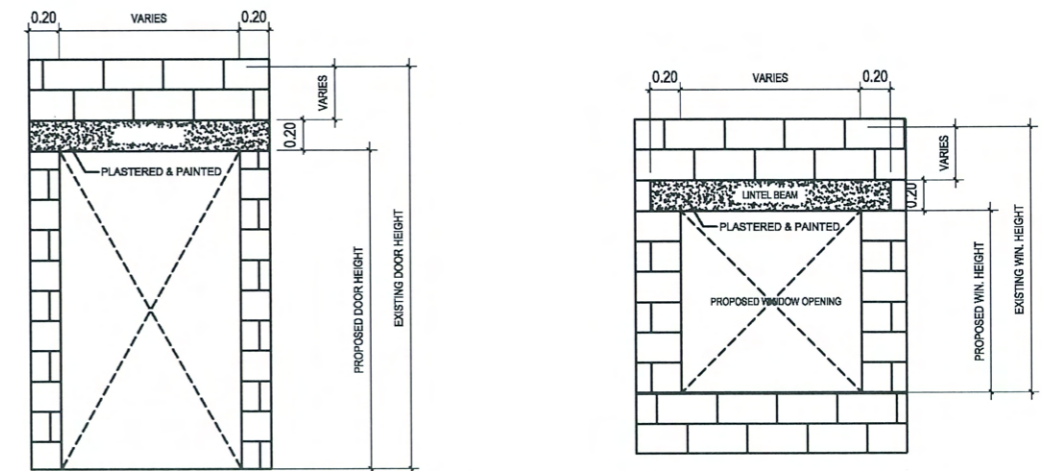
1 CEILING TYPICAL ISOMETRIC DETAILS
A-800 SCALE: :NTS



CEILING TYPICAL TERMINATION DETAILS



CEILING TYPICAL MANHOLE DETAILS



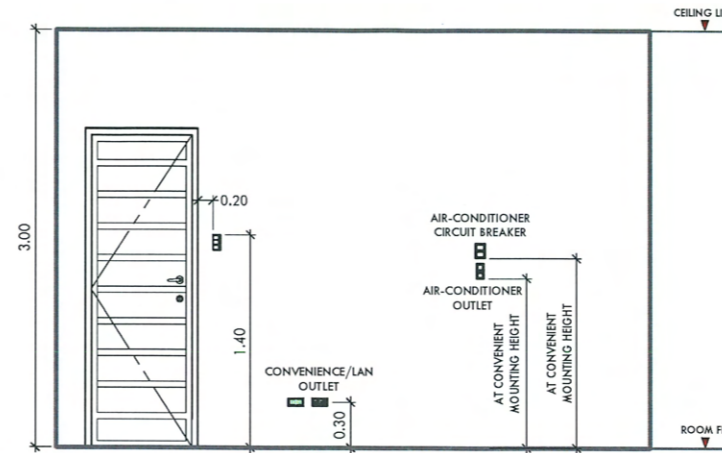
TYPICAL DOORS & WINDOWS
LINTEL BEAM DETAIL

<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	REQUESTING OFFICE:	PREPARED BY:	CERTIFIED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO:
	REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTURER ROOMS - 14)	ENGR. LARRY A. SUBOC DEAN, CIT	AR. ALDREN S. ERMITANIO DRAFTSMAN, OFDM	AR. ARLEN M. GUIEB DIC-DIRECTOR, OFDM	DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	A-800
	PROJECT LOCATION:	TSU SAN ISIDRO CAMPUS					DATE: MARCH 2024	PAGE NO: 12/22

GENERAL NOTES & SPECIFICATIONS

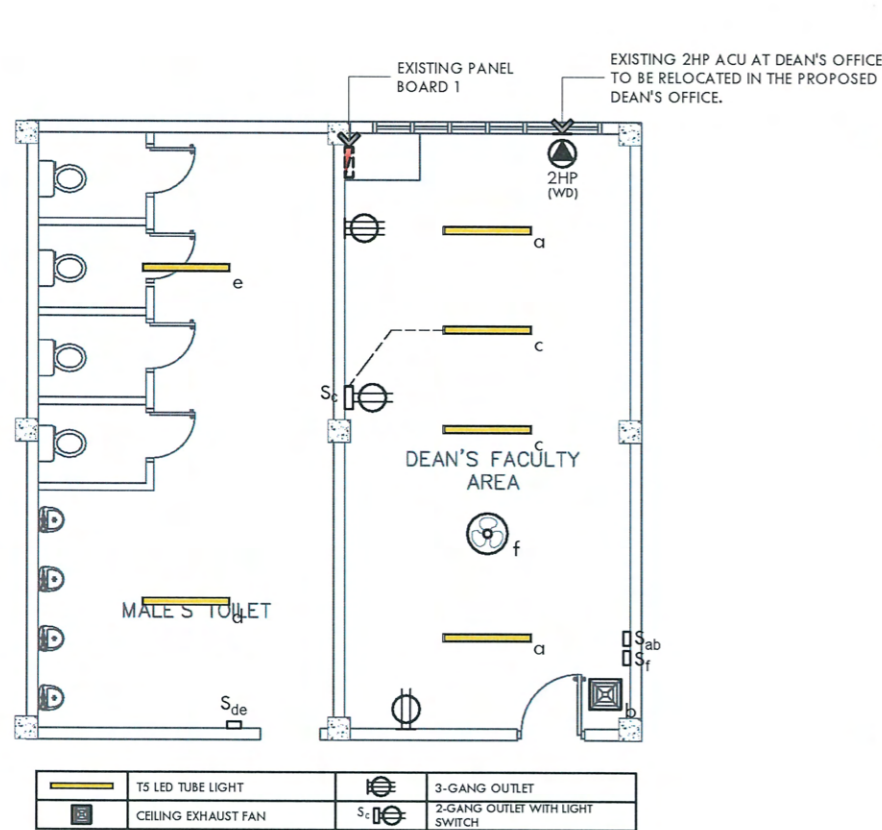
- ALL ELECTRICAL INSTALLATION HEREIN SHALL BE DONE IN ACCORDANCE WITH PROVISIONS OF THE LATEST EDITION OF PHILIPPINE ELECTRICAL CODE WITH THE RULES AND REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAWS AND ORDINANCES AND WITH THE REQUIREMENTS OF THE POWER COMPANY CONCERNED.
- ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTED BY EXPERIENCED MEN UNDER THE SUPERVISION OF A DULY LICENSED REGISTERED ELECTRICAL ENGINEER OR PROFESSIONAL ELECTRICAL ENGINEER.
- MATERIALS THAT PROVIDES SUPPORT, ADDED SAFETY, AND ACCESS, SUCH AS PULL BOXES, JUNCTION BOXES, BENDS AND OTHER FITTINGS SHALL BE PROVIDED EVEN IF NOT EXPLICITLY STATED IN THE PLAN.
- THE ELECTRICAL SERVICE ENTRANCE POWER FOR THE BUILDING SHALL BE 230V, SINGLE PHASE, 2-WIRE + GROUND, 60 HZ. SEE SCHEDULE OF LOADS.
- WIRES SHALL BE COLOR CODED AS FOLLOWS:
LINE 1 --- RED LINE 2 --- YELLOW LINE 3 --- BLUE GROUND --- GREEN
- WIRING METHOD SHALL BE AS FOLLOWS:
a. FOR EMBEDDED PIPE -POLYVINYL CHLORIDE CONDUIT SCHEDULE 40 (PVC SCH 40)
b. FOR RUN EXPOSED PIPE -ELECTRICAL METALLIC TUBING CONDUIT (EMT)
c. FOR DRYWALL -MICA TUBE, PVC FLEXIBLE HOSE OR PVC SCH 40
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
- ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT SHALL BE 3.5mm.
- GROUNDING SYSTEM SHALL BE PROVIDED TO ALL EQUIPMENT PANEL BOARD AND NON-CURRENT CARRYING METAL IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE REQUIREMENT.
- ANY DISCREPANCY IN LOCATION AND RATING OF ELECTRICAL EQUIPMENT SHALL BE VERIFIED WITH THE OWNER AND CHANGES SHALL BE MADE ACCORDINGLY.
- CAT6 UTP CABLES SHALL BE CONTINUOUS IN LENGTH AND SHALL HAVE NO CUTS FROM THE LAN OUTLET GOING TO THE NETWORK SWITCH. SEE STRUCTURED CABLING RISER DIAGRAM.

MOUNTING HEIGHT DETAILS



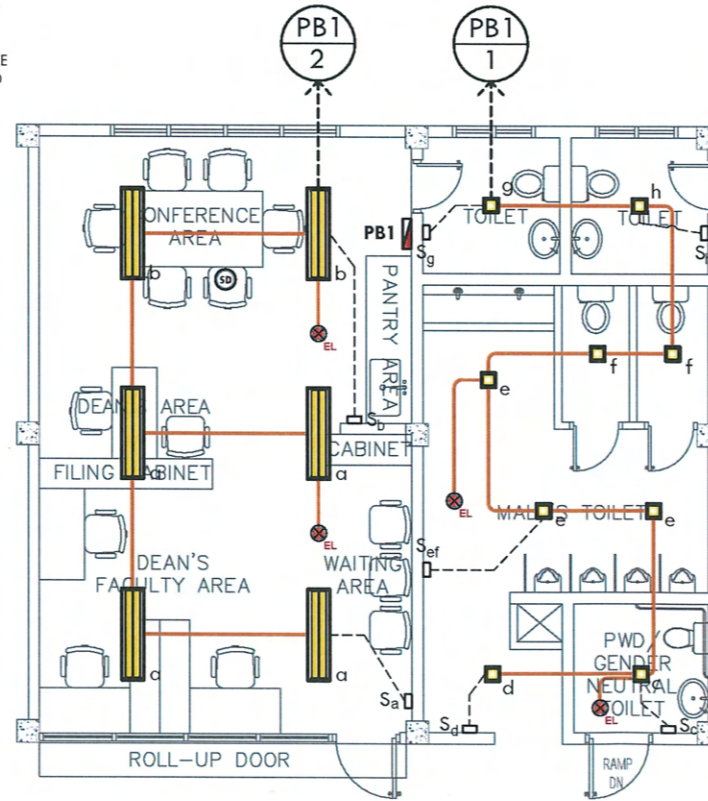
LEGENDS

	2 - 18W T8 LED TUBE IN PRISMATIC DIFFUSER HOUSING RECESSED MOUNTED (DAYLIGHT)
	2 - 18W T8 LED TUBE IN LOUVER HOUSING SURFACED MOUNTED (DAYLIGHT)
	18W LED SQUARE PANEL LIGHT RECESSED MOUNTED (DAYLIGHT)
	12W LED ROUND PANEL LIGHT RECESSED MOUNTED (DAYLIGHT)
	BATTERY OPERATED SMOKE DETECTOR
	CEILING MOUNTED EMERGENCY LIGHT
	8" CEILING MOUNTED EXHAUST FAN
	1-GANG WIDE SERIES SWITCH WITH LED
	2-GANG WIDE SERIES SWITCH WITH LED
	3-GANG WIDE SERIES SWITCH WITH LED
	2-GANG CONVENIENCE OUTLET (WALL MOUNTED)
	30AT, 2P SAFETY CIRCUIT BREAKER WITH OUTLET (2HP WINDOW TYPE AIR-CONDITIONING UNIT)
	2.5HP SPLIT TYPE AIR-CONDITIONING UNIT
	NEMA-3R ENCLOSURE WITH 40AT, MCB, 2 POLE
	PVC CONDUIT
	GROUND WIRE
	CIRCUIT HOMERUN



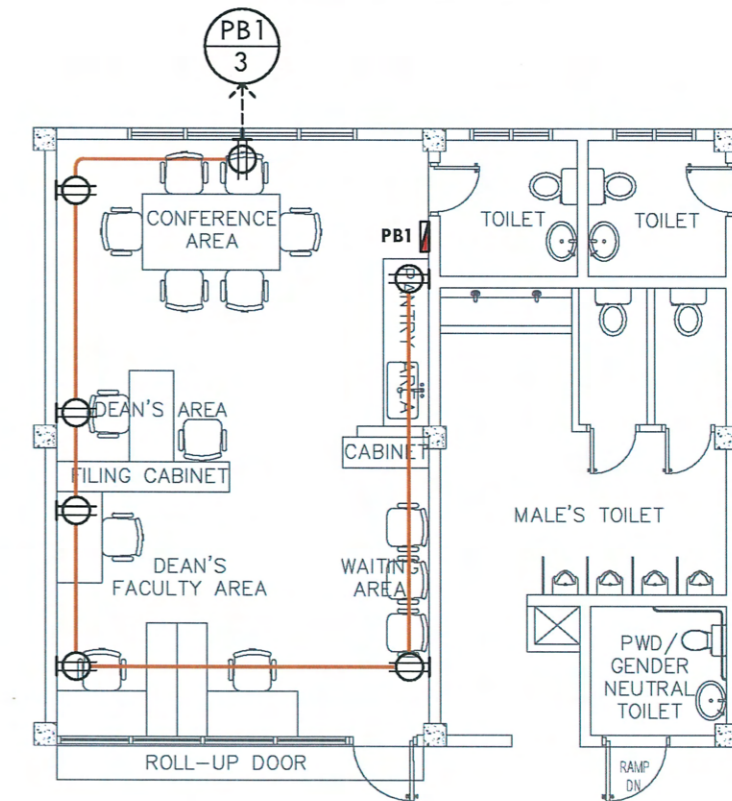
EXISTING LIGHTING & POWER LAYOUT

DEAN'S OFFICE AND MALE'S TOILET SCALE: 1:100 MTS



PROPOSED LIGHTING LAYOUT

DEAN'S OFFICE AND MALE'S TOILET SCALE: 1:100 MTS



PROPOSED POWER LAYOUT

DEAN'S OFFICE AND MALE'S TOILET SCALE: 1:100 MTS



PROJECT TITLE:
REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)

PROJECT LOCATION:
TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
ENGR. LARRY A. SUBOC
DEAN, CIT

PREPARED BY:
ENGR. MARK JOMELLE Q. NATIVIDAD
ELECTRICAL ENGINEER, OFDM/POU

CERTIFIED BY:
AR. ARLEN M. GUIEB
OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
DR. GRACIN ROSETE
VP FOR ADMINISTRATION AND FINANCE

APPROVED:
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

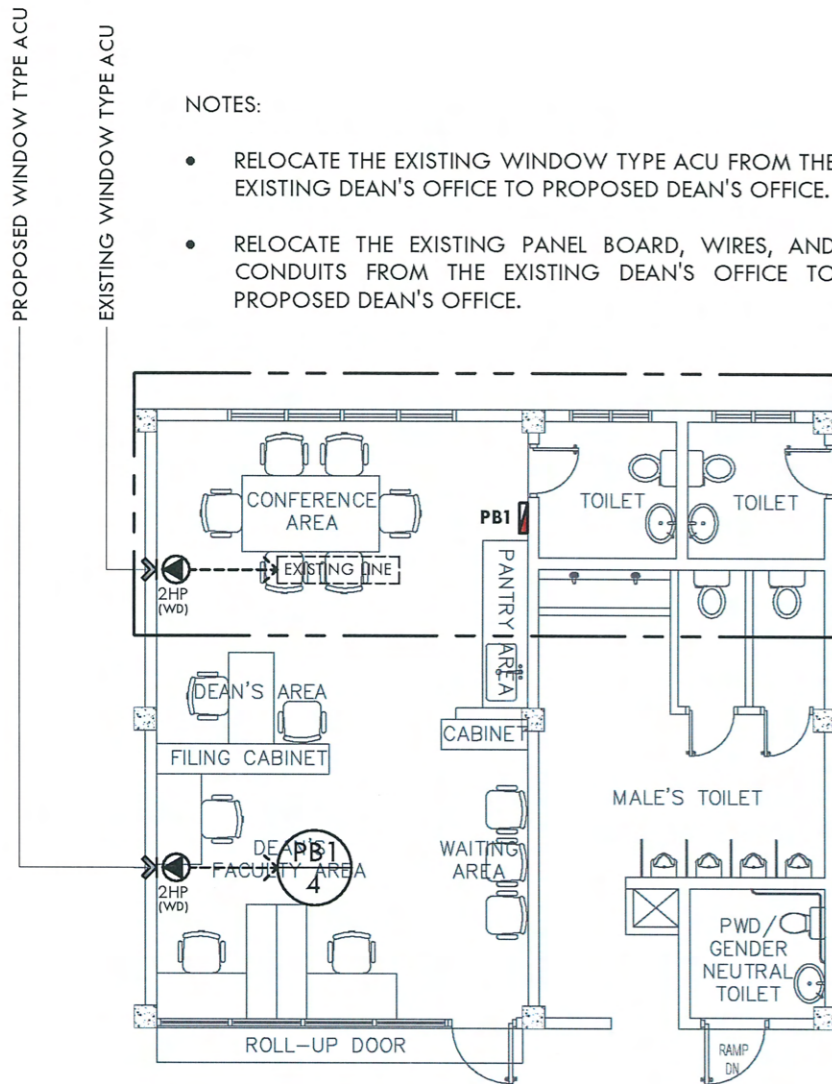
SHEET NO.:
E-100

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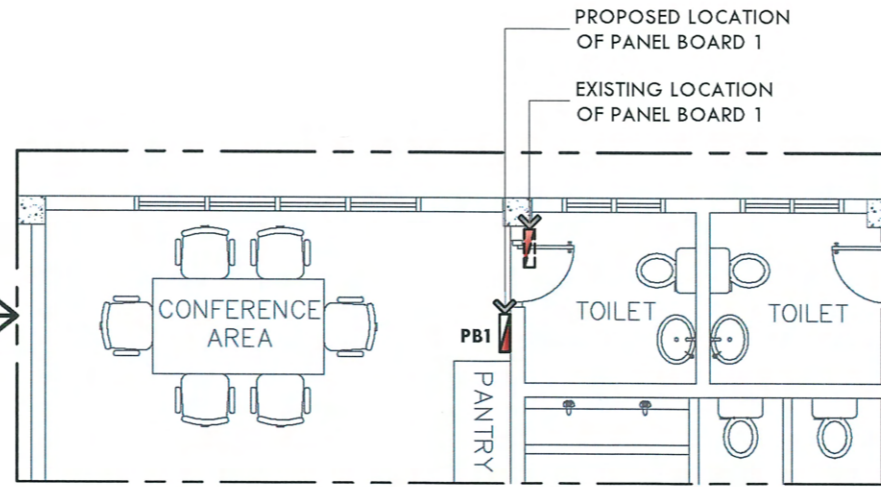
DATE: OCTOBER 2023

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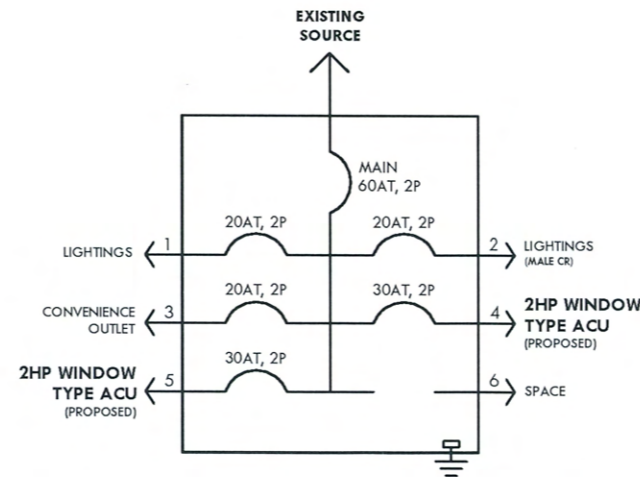
- RELOCATE THE EXISTING WINDOW TYPE ACU FROM THE EXISTING DEAN'S OFFICE TO PROPOSED DEAN'S OFFICE.
- RELOCATE THE EXISTING PANEL BOARD, WIRES, AND CONDUITS FROM THE EXISTING DEAN'S OFFICE TO PROPOSED DEAN'S OFFICE.



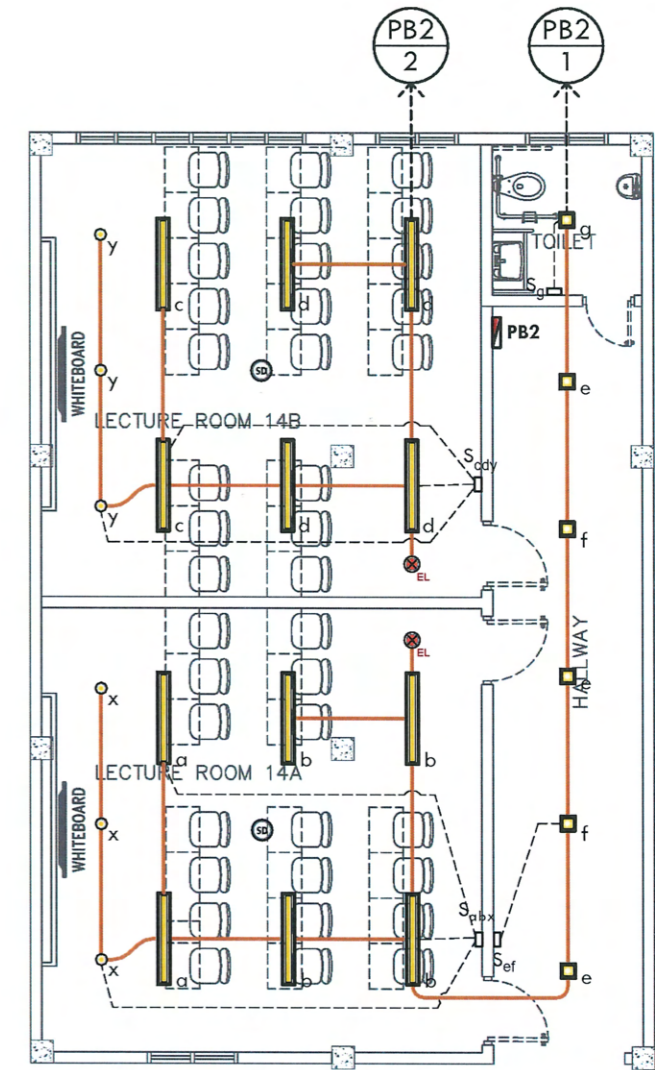
PROPOSED POWER LAYOUT
DEAN'S OFFICE AND MALE'S TOILET SCALE: 1:100 MTS



PROPOSED RELOCATION OF PANEL BOARD
SCALE: 1:80 MTS



DETAILS OF EXISTING PANEL BOARD 1
DEAN'S OFFICE AND MALE'S TOILET



PROPOSED LIGHTING LAYOUT
LECTURE ROOM 14AB SCALE: 1:100 MTS



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Facilities Development and
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Romulo Boulevard, Tarlac City, Philippines 2300

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AND CLASSROOMS (ETL 3AB & LECTURER ROOMS - 14)
PROJECT LOCATION:
TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:

ENGR. LARRY A. SUBOC
DEAN, CIT

PREPARED BY:

ENGR. MARK JOMELLE O. NATIVIDAD
ELECTRICAL ENGINEER, OFDM-PSU

CERTIFIED BY:

AR. ARLEN M. GUIEB
DIR-DIRECTOR, OFDM

RECOMMENDING APPROVAL:

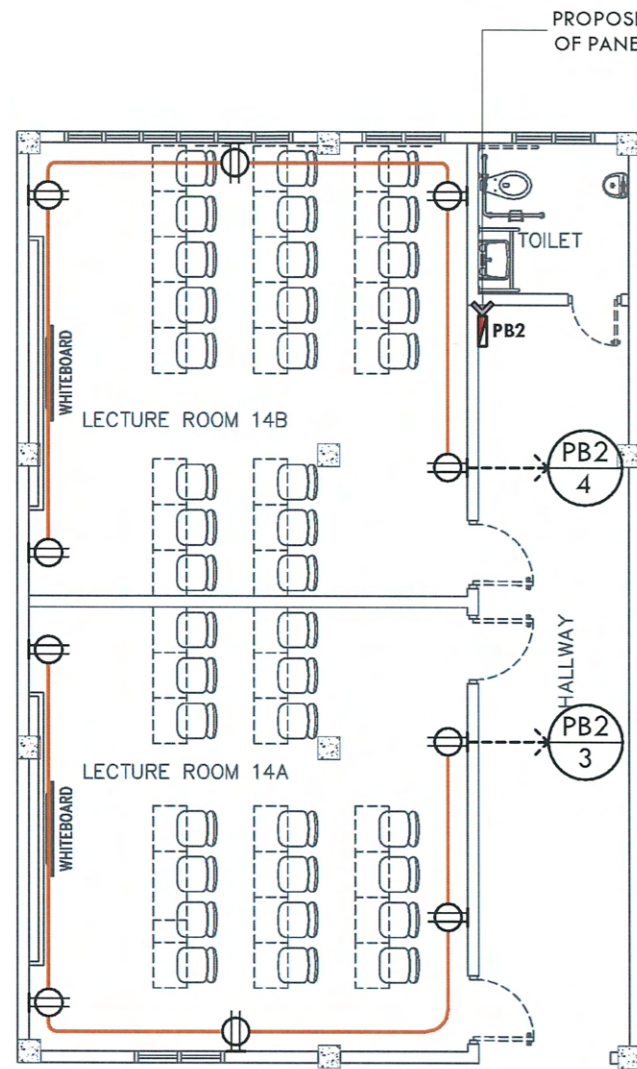
DR. GRACE M. ROSETE
VP FOR ADMINISTRATION AND FINANCE

APPROVED:

DR. ARNOLD E. VELASCO
PRESIDENT

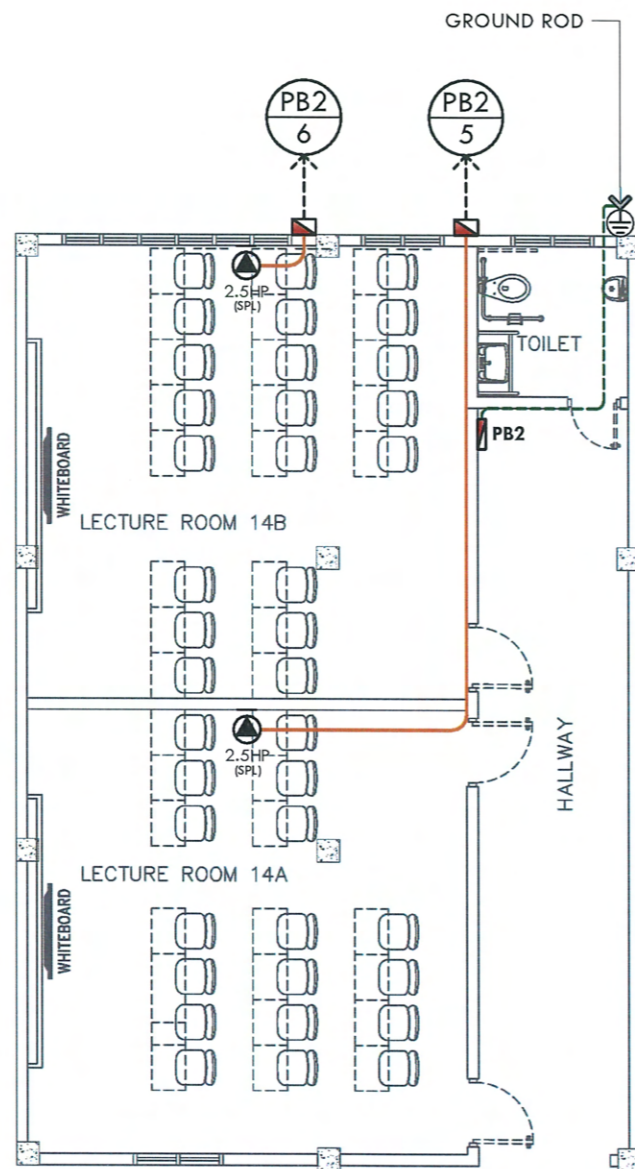
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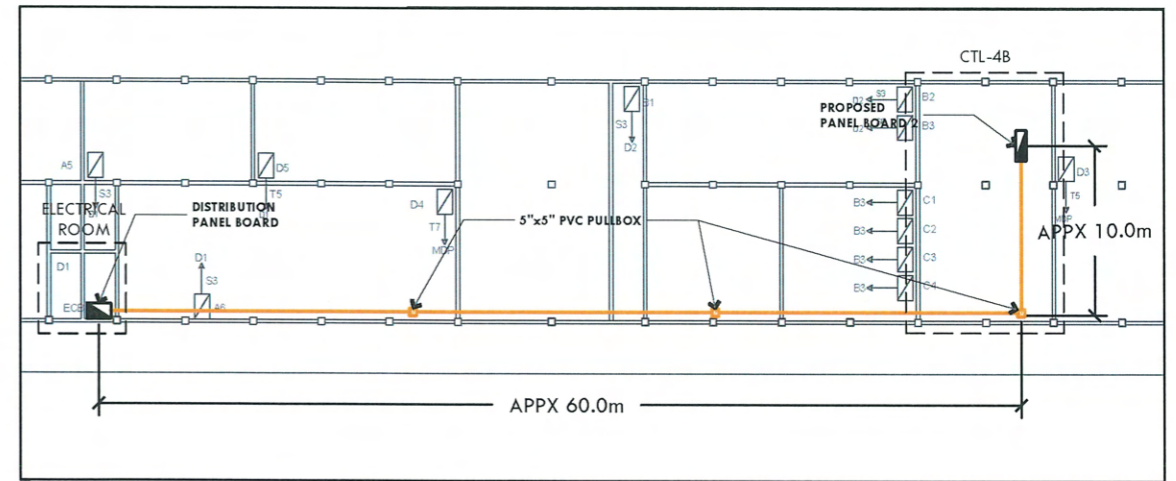
PROPOSED POWER LAYOUT

LECTURE ROOM 14A/14B SCALE: 1:100 MTS



PROPOSED ACU AND GROUNDING LAYOUT

LECTURE ROOM 14A/14B SCALE: 1:100 MTS

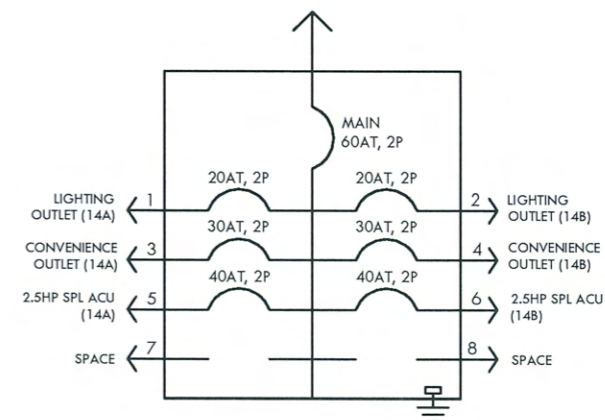


FEEDER LINE LAYOUT

NTS

LOCATION:	CTL - 4B	SYSTEM VOLTAGE:	230V, 1-PHASE, 60Hz								
FED FROM:	DISTRIBUTION PANEL - B (DP-B)	MAIN FEEDER SIZE:	2 - 14 mm ² THHN/THWN with 1 - 8.0 mm ² GRD WIRE in a 1" Rigid PVC								
MAIN CIRCUIT BREAKER:	60AT / 100AF, 2 POLE	ENCLOSURE:	NEMA-1 (RECESSED MOUNTED)								
CIRCUIT NUMBER	DESCRIPTION	NO. OF OUTLET	VA	AMPERE	CIRCUIT BREAKER			CONDUCTOR	GROUND	TYPE OF WIRE	CONDUIT
					AT	AF	POLE				
1	LIGHTING OUTLET (14A)	15	256	1.11	20	50	2	2 - 3.5 mm ²	1 - 3.5 mm ²	THHN/THWN	1/2" Ø PVC
2	LIGHTING OUTLET (14B)	9	144	0.63	20	50	2	2 - 3.5 mm ²	1 - 3.5 mm ²	THHN/THWN	1/2" Ø PVC
3	CONVENIENCE OUTLET (14A)	5	900	3.91	30	50	2	2 - 3.5 mm ²	1 - 3.5 mm ²	THHN/THWN	1/2" Ø PVC
4	CONVENIENCE OUTLET (14B)	5	900	3.91	30	50	2	2 - 3.5 mm ²	1 - 3.5 mm ²	THHN/THWN	1/2" Ø PVC
5	2.5 HP SPLIT TYPE ACU (14A)	1	3450	15	40	50	2	2 - 5.5 mm ²	1 - 3.5 mm ²	THHN/THWN	1/2" Ø PVC
6	2.5 HP SPLIT TYPE ACU (14B)	1	3450	15	40	50	2	2 - 5.5 mm ²	1 - 3.5 mm ²	THHN/THWN	1/2" Ø PVC
7	SPACE	-	-	-	-	-	-	-	-	-	-
8	SPACE	-	-	-	-	-	-	-	-	-	-
TOTAL CONNECTED LOAD (VA):			9100	TOTAL LOAD CURRENT (A):			43.32				
DEMAND FACTOR:			80%	TOTAL DEMAND LOAD CURRENT (A):			34.65				

SCHEDULE OF LOADS



DETAILS OF PROPOSED PANEL BOARD 2

LECTURE ROOM 14A/14B



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TSU SAN ISIDRO CAMPUS

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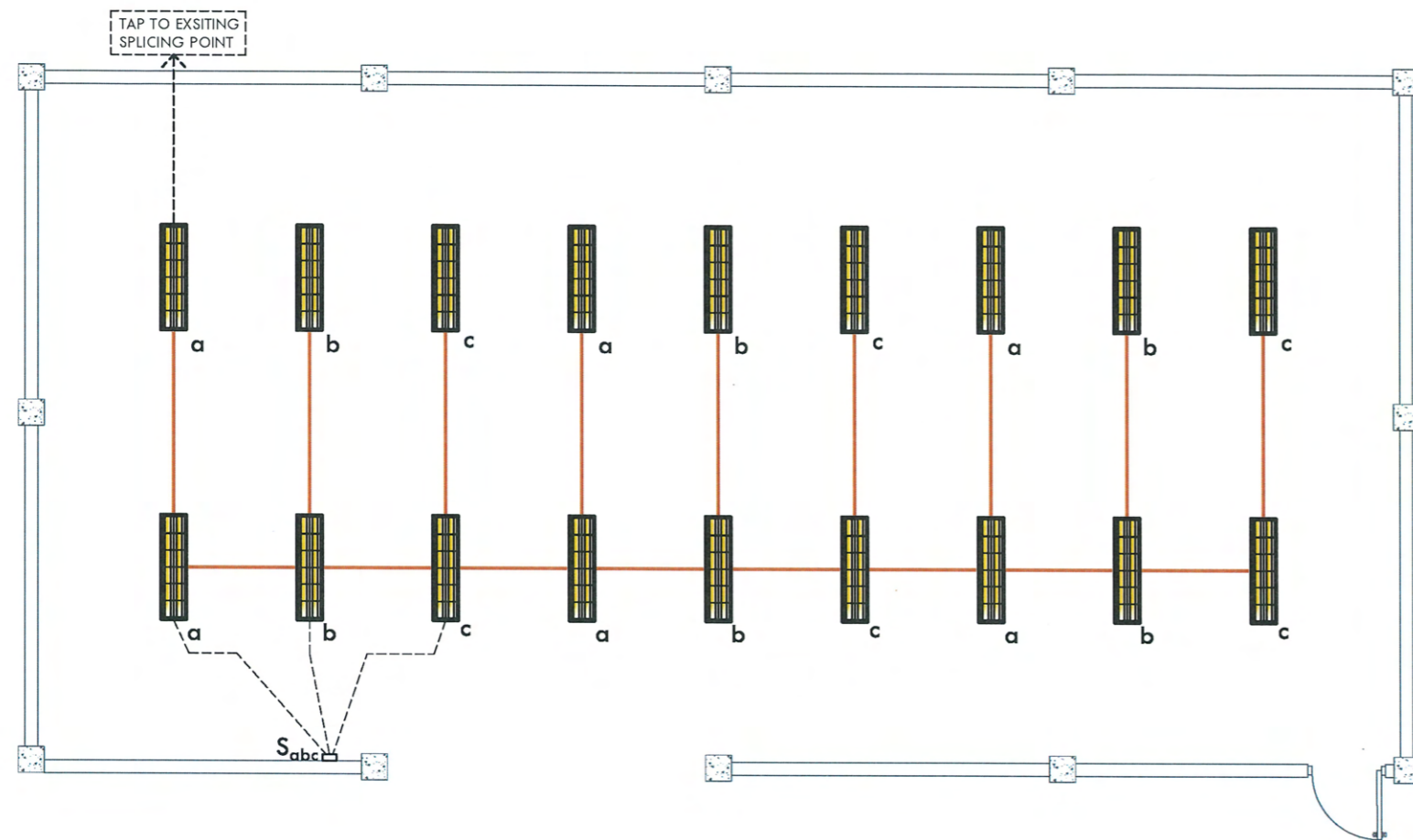
PREPARED BY:
ENGR. MARK JOMELLE O. NATIVIDAD
ELECTRICAL ENGINEER, OFDM-POU

CERTIFIED BY:
AR. ARLEN M. GUIEB
OIC-DIRECTOR, OFDM

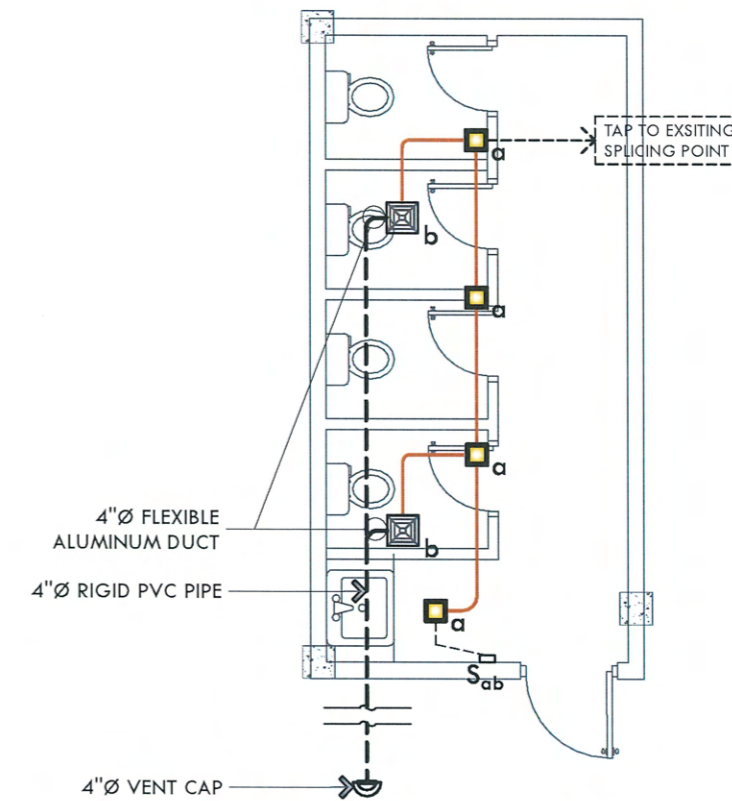
RECOMMENDING APPROVAL:
DR. GRACE M. ROSETE
VP FOR ADMINISTRATION AND FINANCE

APPROVED:
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: OCTOBER 2023
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PROPOSED LIGHTING LAYOUT
 ETL-3AB SCALE: 1:100 MTS



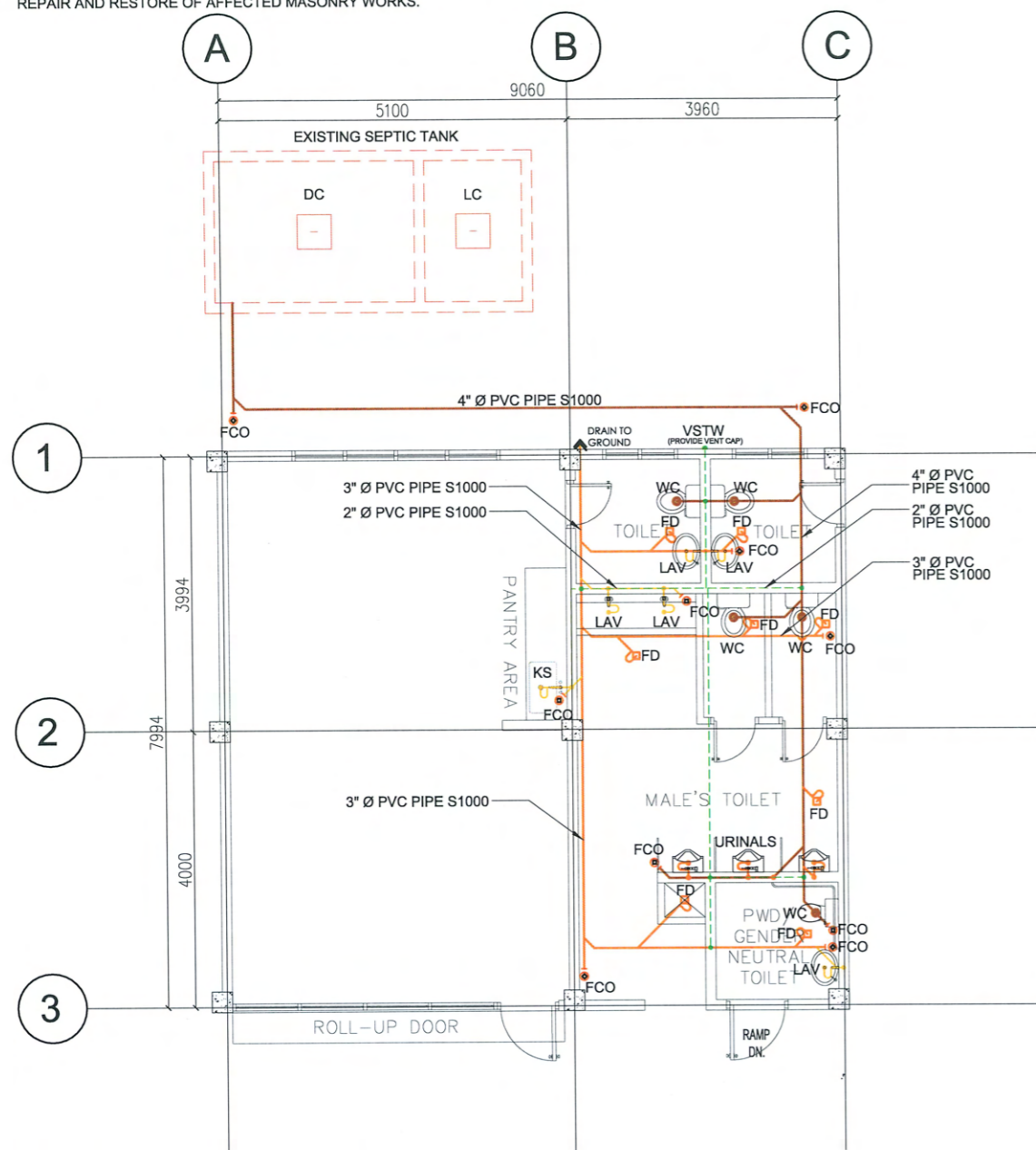
PROPOSED LIGHTING LAYOUT
 FEMALE TOILET SCALE: 1:100 MTS



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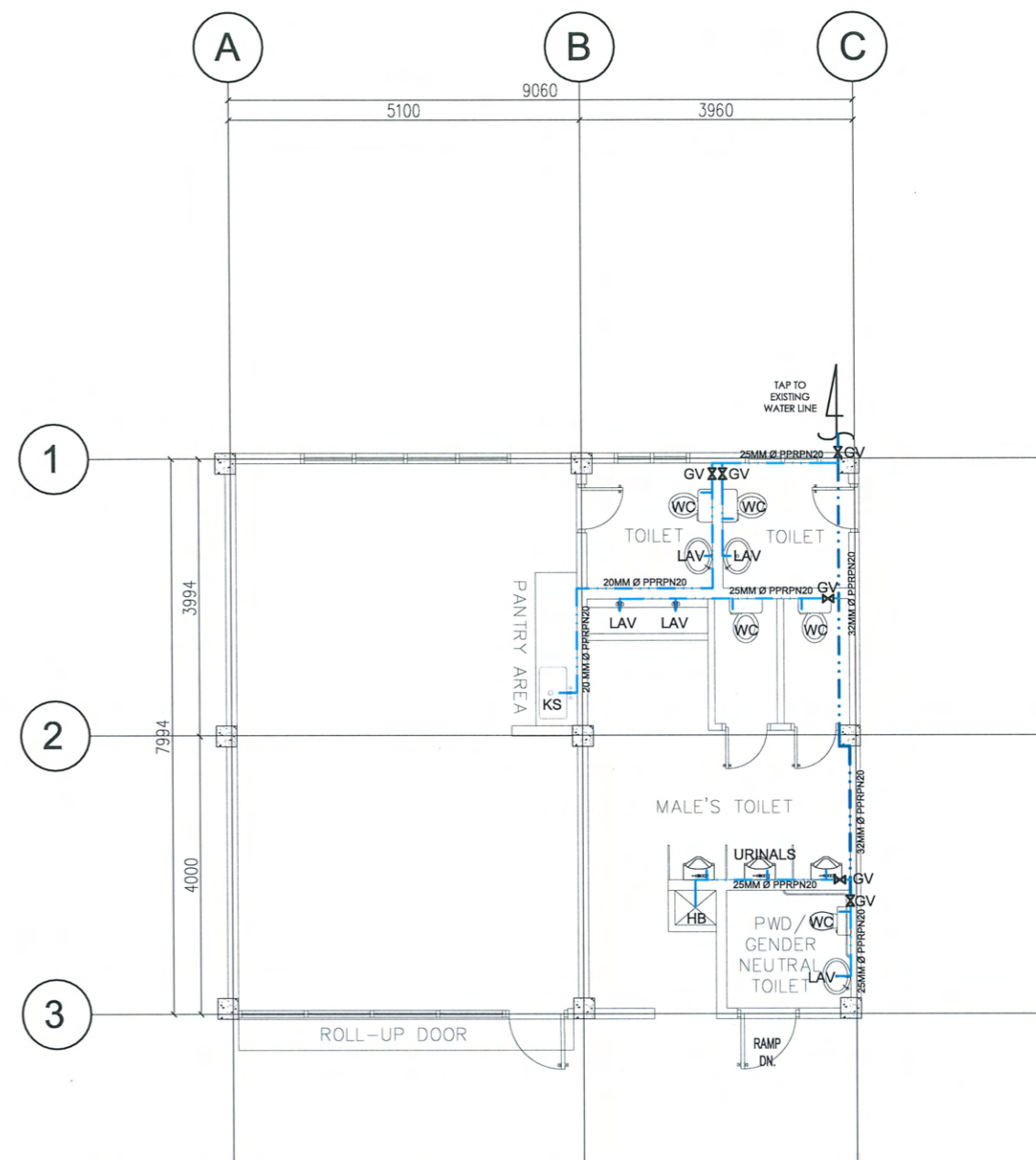
PROJECT TITLE: REFURBISHMENT OF CIT DEANS OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	REQUESTING OFFICE:	PREPARED BY:	CERTIFIED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	ENGR. LARRY A. SUBOC DEAN, CIT	ENGR. MARK JOMELLE O. NATIVIDAD ELECTRICAL ENGINEER, OFDM-FOU	AR. ARLENE M. GUIEB OIC-DIRECTOR, OFDM	DR. GRACE M. ROSETE VP FOR ADMINISTRATION AND FINANCE	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	E-400
PROJECT LOCATION: TSU SAN ISIDRO CAMPUS						DATE: OCTOBER 2023	PAGE NO.: 16/22

- NOTE:**
WORK INCLUDES:
- SIPHONING OF EXISTING SEPTIC TANK
 - REMOVAL OF ALL PLUMBING FIXTURES AND ALL EXPOSED PIPING OF THE EXISTING MALE TOILET (EXCLUDING ALL PIPES UNDER THE EXISTING SLAB)
 - DISCONNECTION OF THE EXISTING MALE TOILET FROM THE EXISTING SEPTIC TANK (DRAIN ALL PIPES BEFORE BLOCKING WITH CONCRETE)
 - REPAIR AND RESTORE OF AFFECTED MASONRY WORKS.



LEGEND	
	4" Ø PVC S1000 SOIL PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES

1 SANITARY PLAN LAYOUT
 P-100 SCALE: 1:100 MTS



LEGEND	
	32MM Ø PPR PIPE PN20
	25MM Ø PPR PIPE PN20
	20MM Ø PPR PIPE PN20

2 WATERLINE PLAN LAYOUT
 P-100 SCALE: 1:100 MTS



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PROJECT LOCATION:
 TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
 ENGR. LARRY A. SUBOC
 DEAN, CIT

PREPARED BY:
 AR. PAULO A. DOCTOR, RMP
 ARCHITECT/MASTER PLUMBER, OFDM-PDU

CERTIFIED BY:
 AR. ARLEN M. GUIEB
 OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
 DR. GRACE M. ROSETE
 VP FOR ADMINISTRATION AND FINANCE





APPROVED:
 DR. ARNOLD E. VELASCO
 PRESIDENT




SHEET CONTENTS:
 AS SHOWN

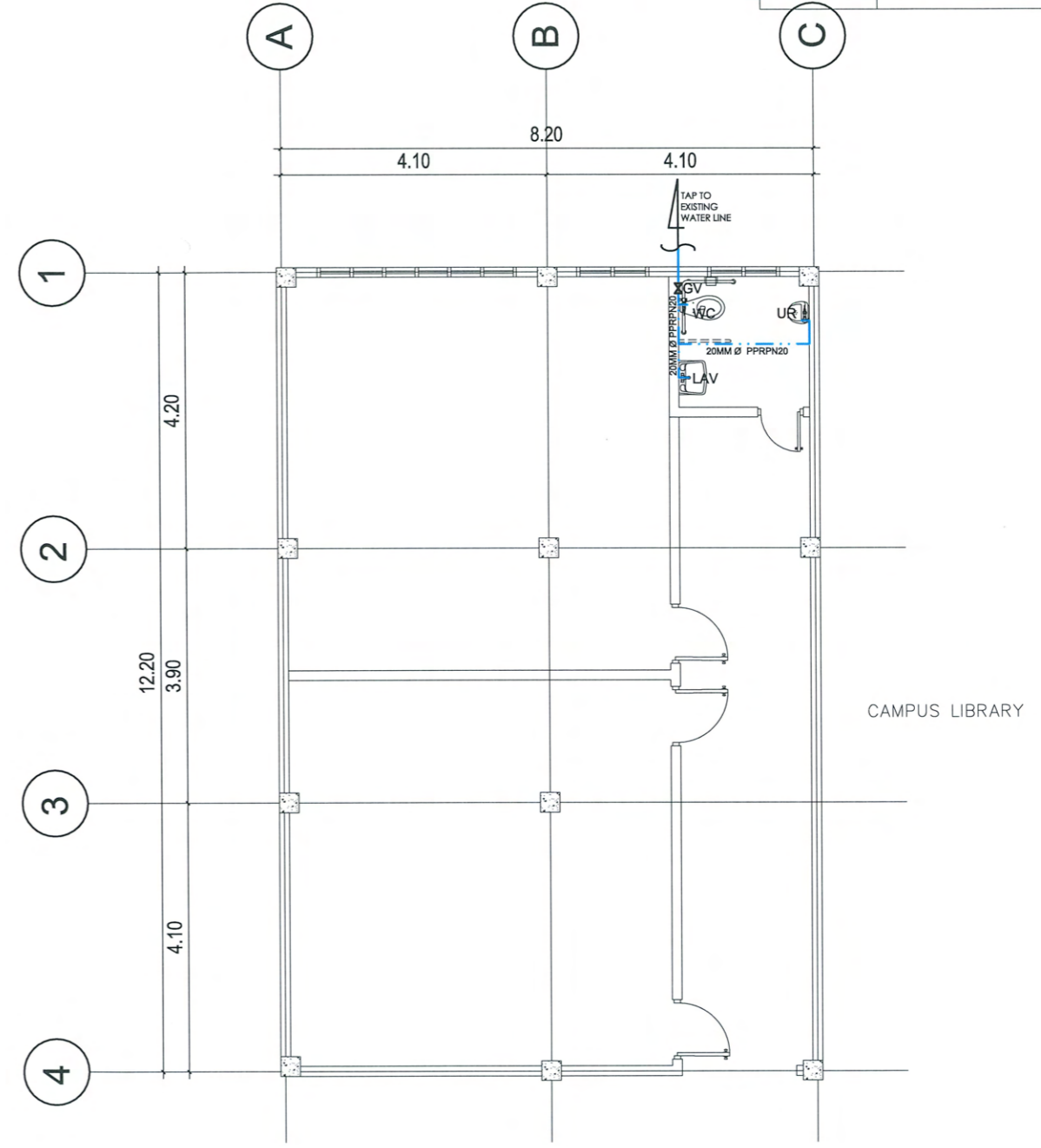
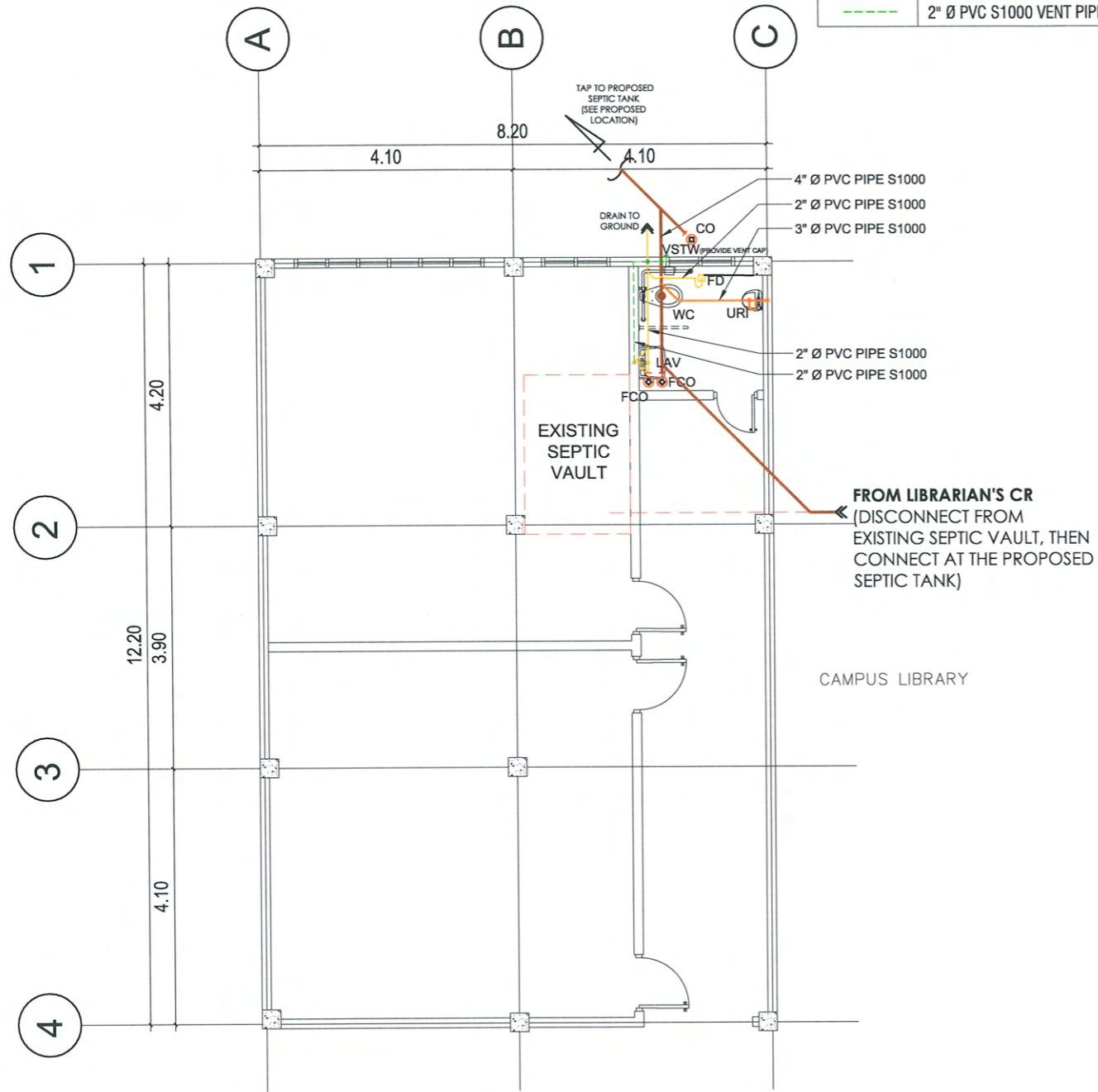
DATE: OCTOBER 2023

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NOTE:
WORK ALSO INCLUDES:
 - FILLING OF EARTH/CONCRETE OF THE EXISTING SEPTIC VAULT
 - DISCONNECTION OF THE EXISTING LIBRARIAN'S TOILET FROM THE EXISTING SEPTIC VAULT; CONNECTION OF THE SOIL PIPE TO THE PROPOSED SEPTIC TANK

LEGEND	
	4" Ø PVC S1000 SOIL PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES

LEGEND	
	32MM Ø PPR PIPE PN20
	25MM Ø PPR PIPE PN20
	20MM Ø PPR PIPE PN20



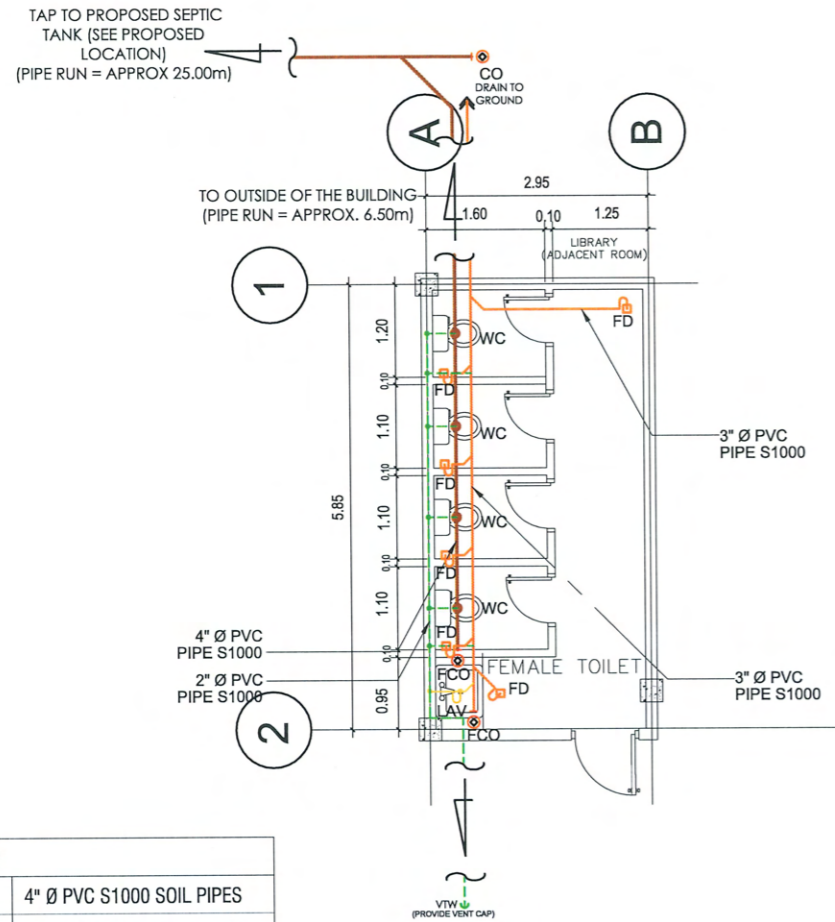
1 SANITARY PLAN LAYOUT
 P-200 SCALE: 1:100 MTS

2 WATERLINE PLAN LAYOUT
 P-200 SCALE: 1:100 MTS



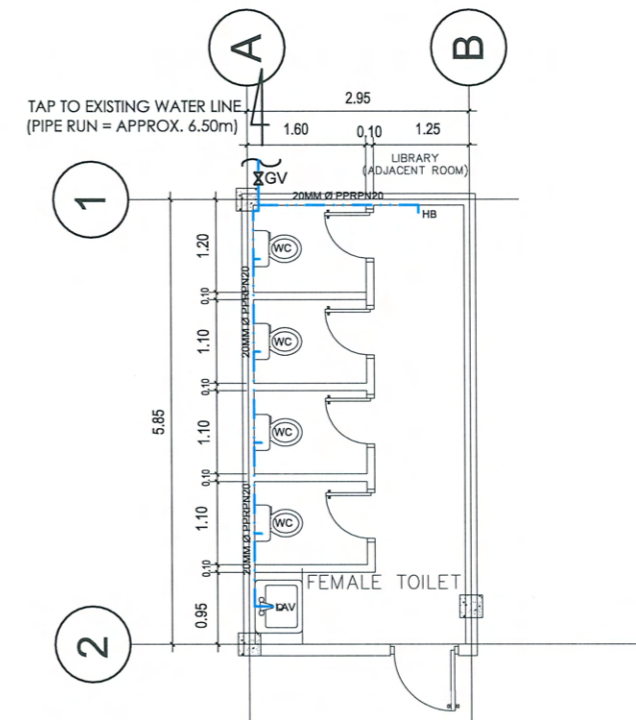
PROJECT TITLE: REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)	REQUESTING OFFICE: ENGR. LARRY A. SUBOC DEAN, CIT	PREPARED BY: AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	RECOMMENDING APPROVAL: DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: OCTOBER 2023	SHEET NO: P-200 PAGE NO: 18/22
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NOTE:
WORK ALSO INCLUDES:
 - REPAIR AND RESTORATION OF AFFECTED FLOOR, WALL AND CEILING AREAS FOR THE CONNECTION OF THE WATERLINE, SANITARY AND VENTING (SEE KEY PLAN)



LEGEND	
	4" Ø PVC S1000 SOIL PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES

1 SANITARY PLAN LAYOUT
 P-300 SCALE: 1:100 MTS



LEGEND	
	32MM Ø PPR PIPE PN20
	25MM Ø PPR PIPE PN20
	20MM Ø PPR PIPE PN20

2 WATERLINE PLAN LAYOUT
 P-300 SCALE: 1:100 MTS



PROJECT TITLE:
 REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)

PROJECT LOCATION:
 TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
 ENGR. LARRY A. SUBOC
 DEAN, CIT

PREPARED BY:
 AR. PAUL A. DOCTOR, RMP
 ARCHITECT/MASTER PLUMBER, OFDM-PDU

CERTIFIED BY:
 AR. ARLEN M. GUIEB
 OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
 DR. GRACE N. ROSETE
 VP FOR ADMINISTRATION AND FINANCE

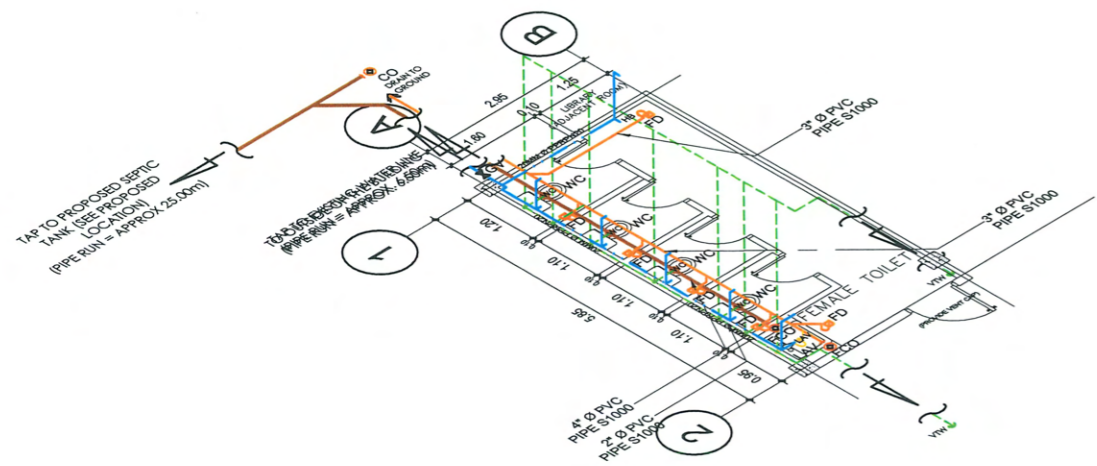
APPROVED:
 DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN

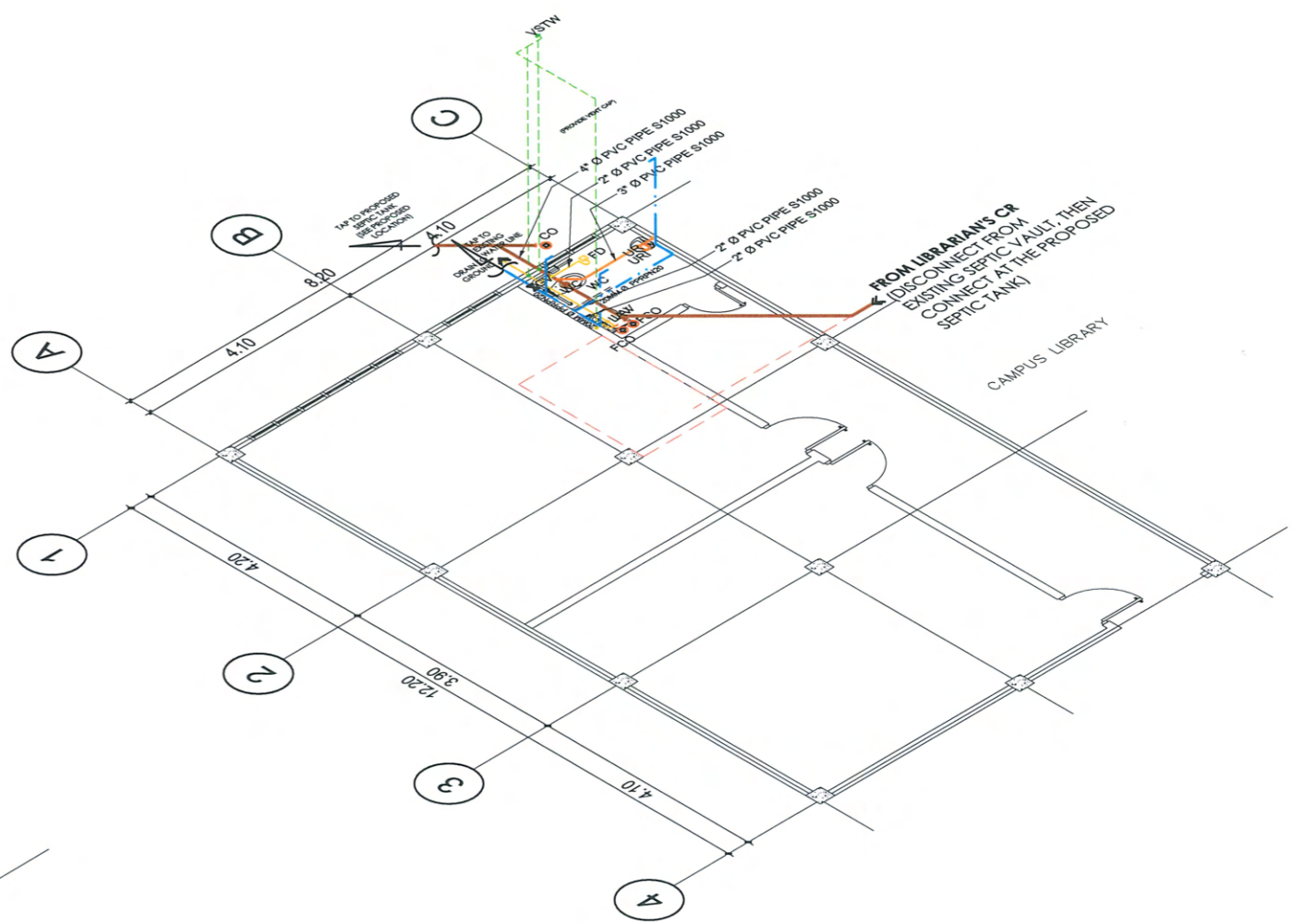
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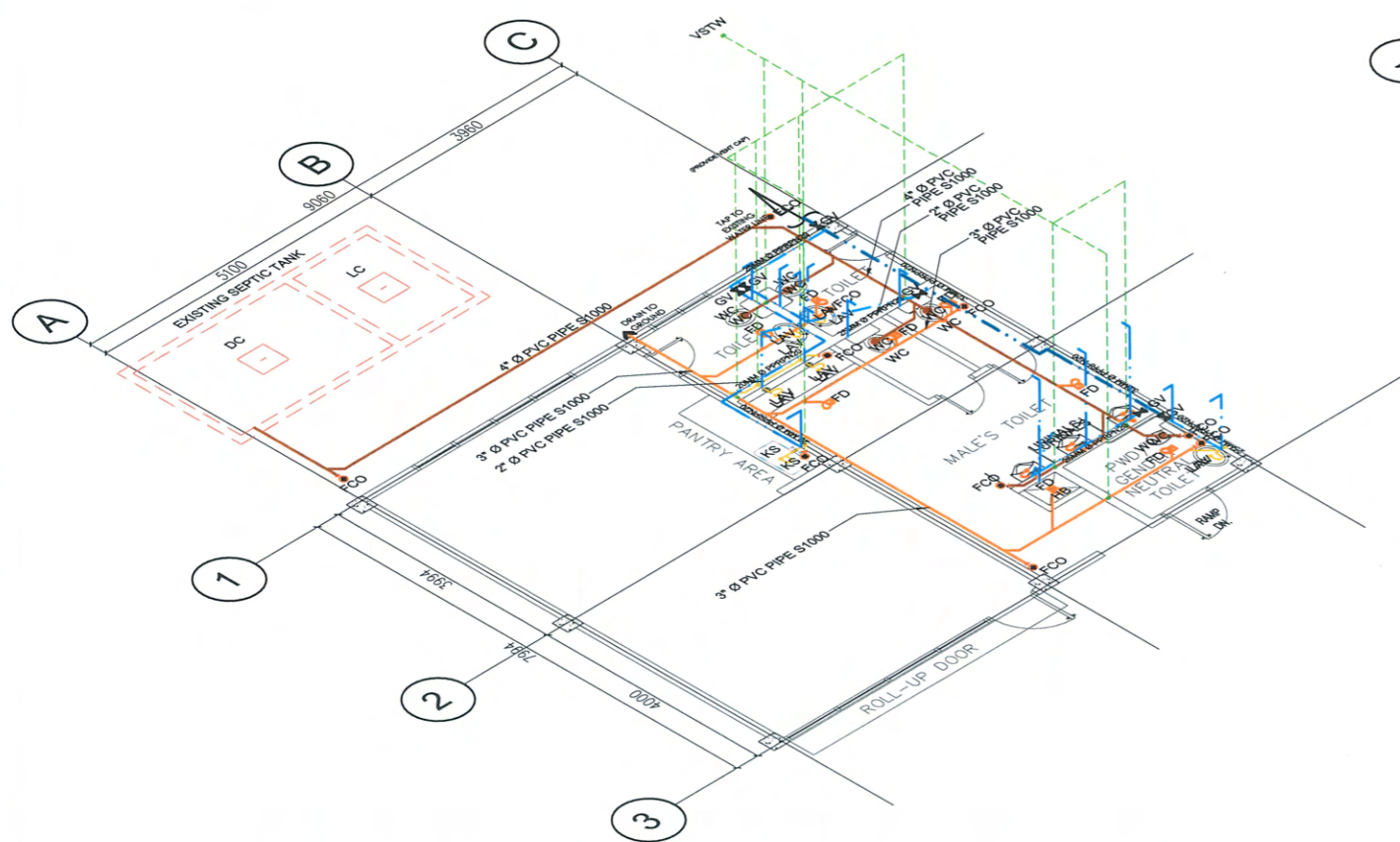
DATE: OCTOBER 2023



2 FEMALE TOILET
ISOMETRIC PLAN LAYOUT
 A-110 SCALE: 1:100 MTS



2 **ISOMETRIC PLAN LAYOUT**
 P-400 SCALE: 1:100 MTS



1 **ISOMETRIC PLAN LAYOUT**
 P-400 SCALE: 1:100 MTS

LEGEND		LEGEND	
	4" Ø PVC S1000 SOIL PIPES		32MM Ø PPR PIPE PN20
	3" Ø PVC S1000 WASTE PIPES		25MM Ø PPR PIPE PN20
	2" Ø PVC S1000 WASTE PIPES		20MM Ø PPR PIPE PN20
	2" Ø PVC S1000 VENT PIPES		



PROJECT TITLE:
 REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS,
 AND CLASSROOMS (ETL 3AB & LECTUREROOMS - 14)
 PROJECT LOCATION:
 TSU SAN ISIDRO CAMPUS

REQUESTING OFFICE:
 ENGR. LARRY A. SUBOC
 DEAN, CIT

PREPARED BY:
 AR. PAUL A. DOCTOR, RMP
 ARCHITECT/MASTER PLUMBER, DFO-M-PDU

CERTIFIED BY:
 AR. ARLEN M. GUIEB
 OIC-DIRECTOR, OFDM

RECOMMENDING APPROVAL:
 DR. GRACE N. ROSETE
 VP FOR ADMINISTRATION AND FINANCE

APPROVED:
 DR. ARNOLD E. VELASCO
 RESIDENT

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GENERAL NOTES:

01. GRADE OF HORIZONTAL PIPING:

RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AT A UNIFORM GRADE OF NOT LESS THAN (2%) TWO PERCENT.

02. CHANGE IN DIRECTION:

ALL CHANGES IN DIRECTION SHALL BE MADE BY THE APPROPRIATE USE OF 45 DEGREE WYE, LONG SWEEP, QUARTERS BEND, SIXTH, EIGHTH OR SIXTEENTH BENDS, WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL, A SINGLE 1/8 BEND COMBINATION MAY BE USED ON WASTE LINES, TEES AND CROSSES MAY BE USED IN VENT PIPES.

03. PROHIBITED FITTINGS:

NO DOUBLE TEE BRANCHES SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES, DRILLING AND TAPPING OF HOUSE DRAIN, WASTE OR BEND PIPES, AND USED OF A SADDLE HUB AND BENDS ARE PROHIBITED.

04. SLEEVES:

PROVIDE PIPE SLEEVES AT WALL, COLUMN OR SLAB ONE SIZE BIGGER THAN THE ACTUAL SIZE OF PIPE PASSING THROUGH WALLS OR UNDER SLAB TO PROTECT PIPE FROM BREAKAGES.

05. CLEANOUTS:

CLEANOUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:

- a.) EVERY CHANGES IN DIRECTIONS EXCEEDING TWENTY TWO AND ONE HALF DEGREE (22 1/2 DEGREE).
- b.) ONE AND A HALF METERS (1.50 m.) INSIDE THE PROPERTY LINE BEFORE THE HOUSE DRAINAGE CONNECTION.
- c.) EVERY (15) FIFTEEN METERS IN HORIZONTAL RUN OF PIPES.

06. DEAD ENDS AVOIDED:

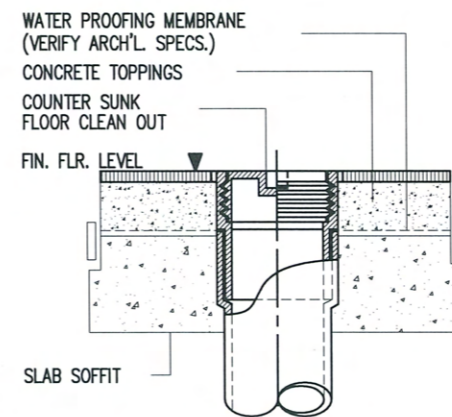
IN THE INSTALLATION OF PLUMBING SYSTEM, DEAD ENDS SHALL BE AVOIDED.

07. WORKMANSHIP:

ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL BUILDING CODE, REQUIREMENTS OF THE PLUMBING INSPECTION OFFICE AND PERTINENT PROVISIONS OF THE NATIONAL BUILDING CODE. FURTHER ALL WORKS SHALL BE DONE WITH THE SUPERVISION OF A REGISTERED MASTER PLUMBER.

PLUMBING LEGEND:

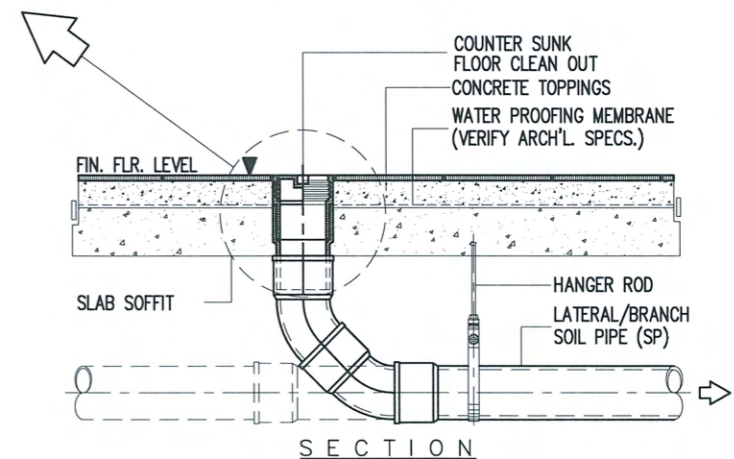
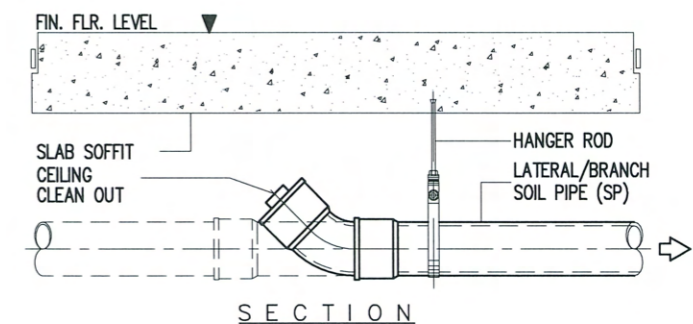
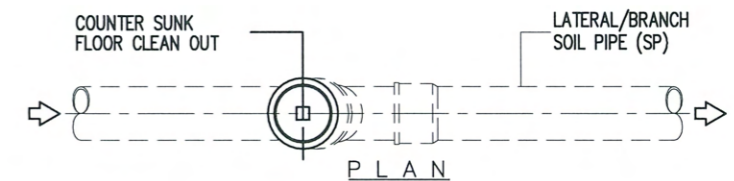
WC	WATER CLOSET		4" Ø PVC S1000 SOIL/WASTE PIPES
URI	URINAL		3" Ø PVC S1000 SOIL/WASTE PIPES
LAV	LAVATORY		2" Ø PVC S1000 WASTE PIPES
KS	KITCHEN SINK		2" Ø PVC S1000 VENT PIPES
FD	FLOOR DRAIN		32mm Ø PPR PIPE PN20
FCO	FLOOR CLEANOUT		25mm Ø PPR PIPE PN20
GV	GATE VALVE		20mm Ø PPR PIPE PN20
HB	HOSE BIB		
VSTW/VTW	VENT THRU WALL		



SPOT DETAIL

PIPE SIZE 'A'	SIZE (MM) 'B'
50	63
75	90
100	110

FLOOR DRAIN DETAIL

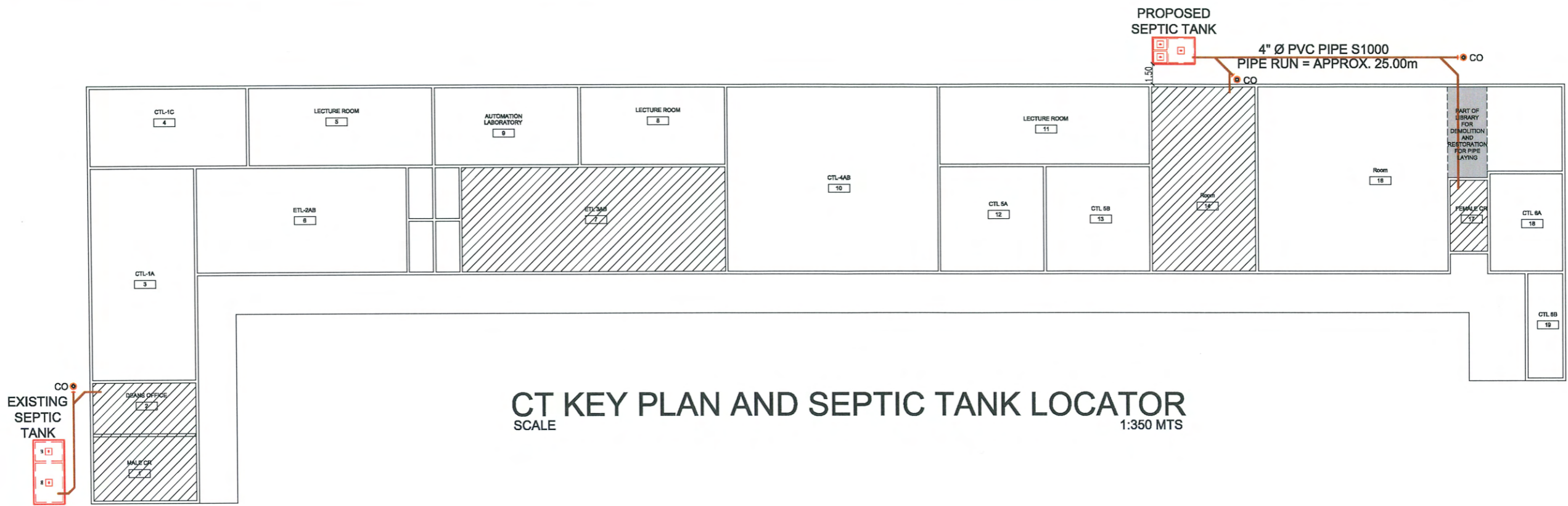


CLEANOUT DETAIL

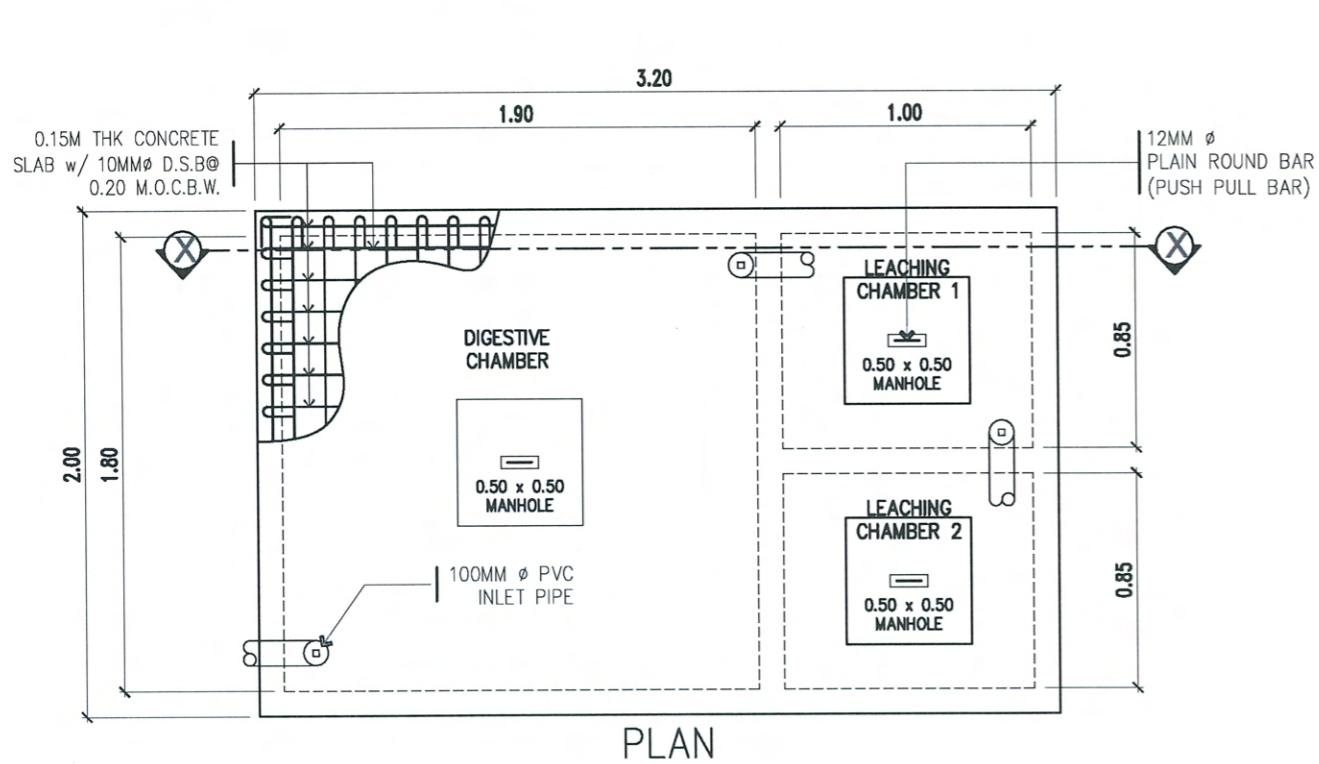


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Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

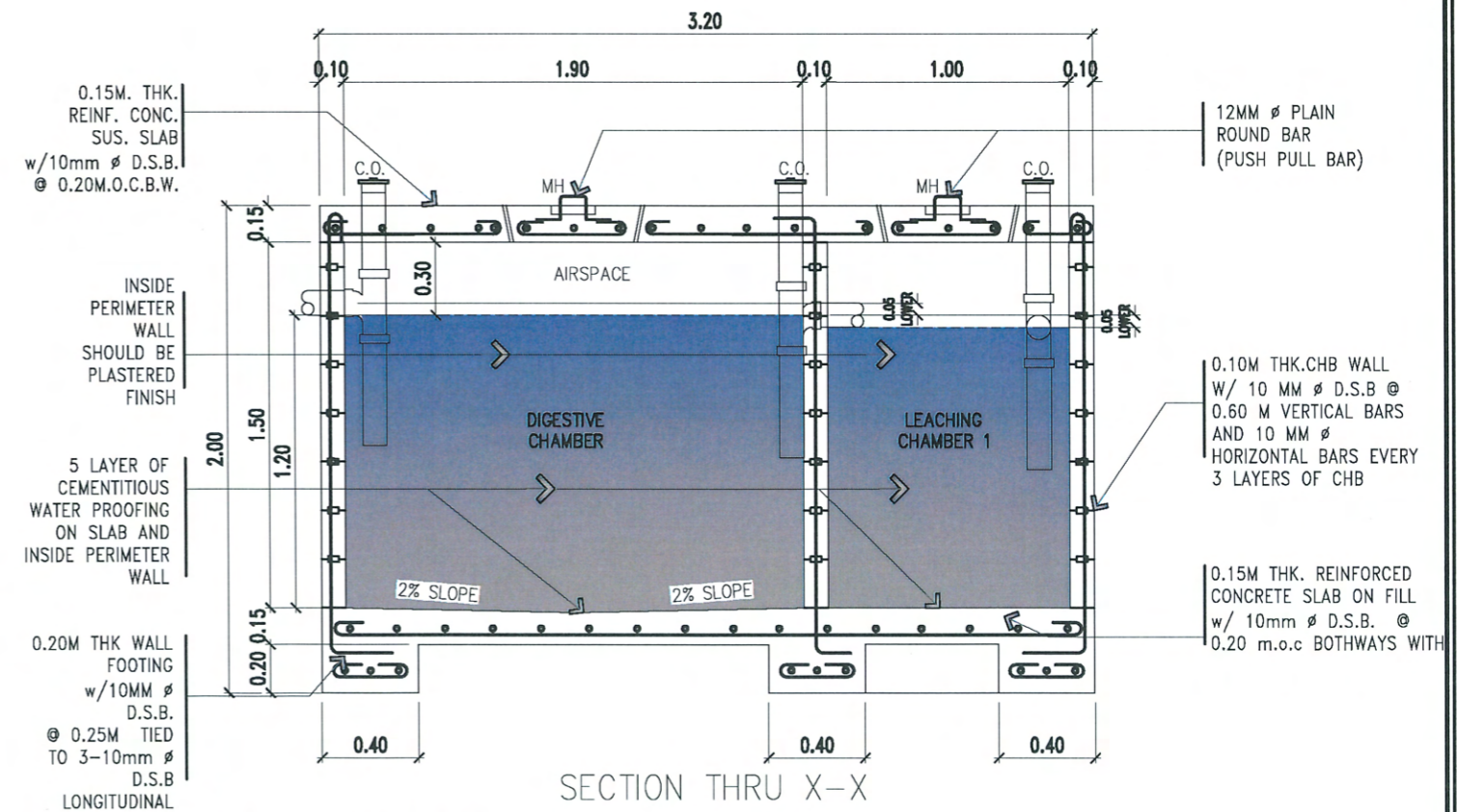
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CT KEY PLAN AND SEPTIC TANK LOCATOR
SCALE 1:350 MTS

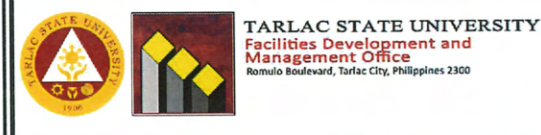


PLAN



SECTION THRU X-X

PROPOSED SEPTIC TANK DETAILS
SCALE 1:30 MTS



PROJECT TITLE: REFURBISHMENT OF CIT DEAN'S OFFICE, MALE AND FEMALE TOILETS, AND CLASSROOMS (ETL 3AB & LECTURE ROOMS - 14)	REQUESTING OFFICE: ENGB. LARRY A. SUBOC DEAN, CIT	PREPARED BY: AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER/ OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB OIC-DIRECTOR, OFDM	RECOMMENDING APPROVAL: DR. GRACE N. ROSETE VP FOR ADMINISTRATION AND FINANCE	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: OCTOBER 2023	SHEET NO: P-600 PAGE NO: 22/22
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