

LOCATION MAP

SCALE 1:2000

SITE



LUCINDA EXTENSION CAMPUS

VICINITY MAP

SCALE : NTS



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

PROJECT TITLE:	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT
PROJECT LOCATION:	LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
[Signature]
AR. PAUL A. DOCTOR, RMP
ARCHITECT/MASTER PLUMBER, OFDM-POU

CHECKED BY:
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AR. CHERRY L. FABIANES
HEAD, OFDM-POU

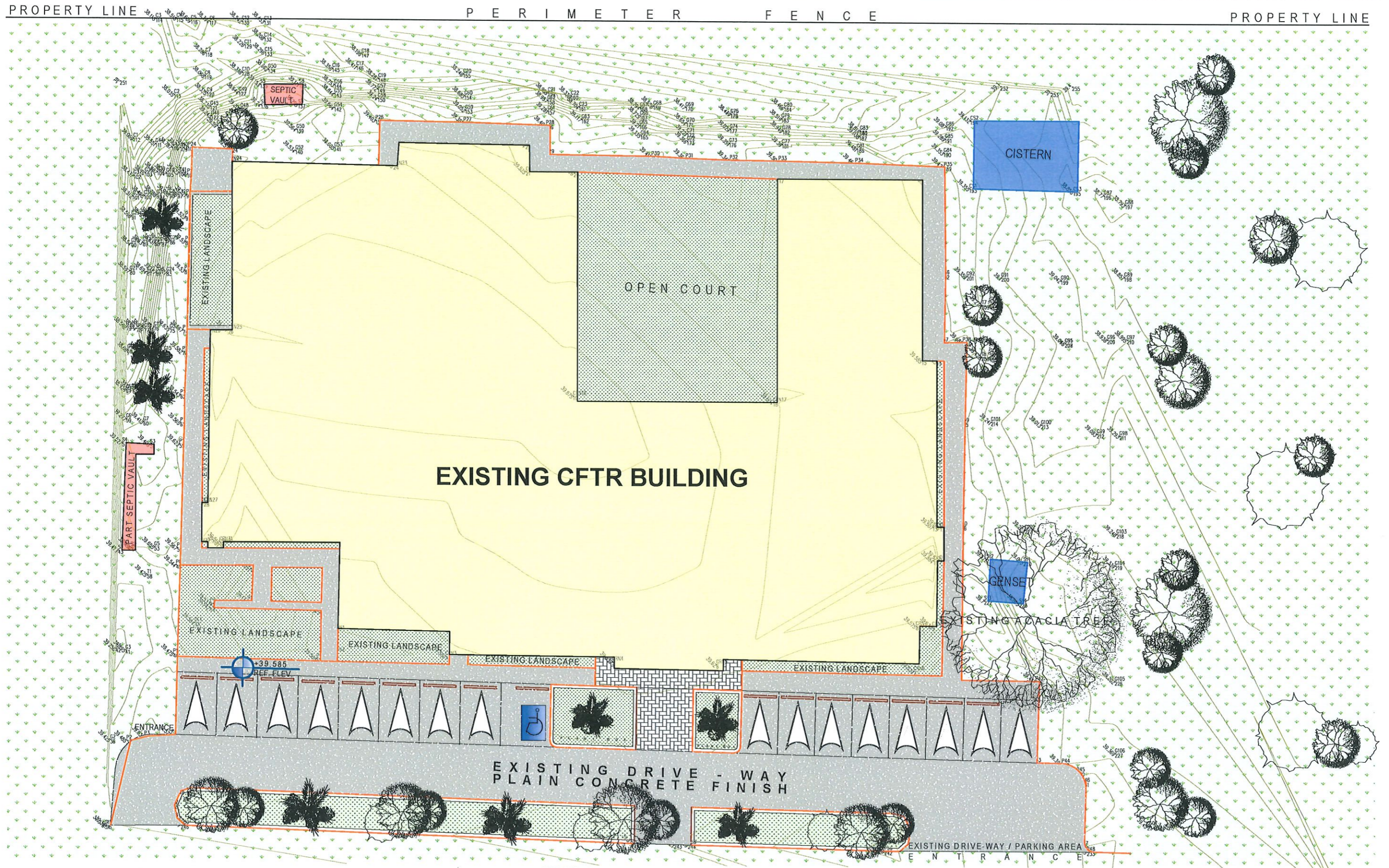
CERTIFIED BY:
[Signature]
AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:
[Signature]
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
[Signature]
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

APPROVED:
[Signature]
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:	SHEET NO:
AS SHOWN	A-01
DATE: NOVEMBER 2024	PAGE NO: 01/51



CFTR BUILDING
EXISTING SITE DEVELOPMENT PLAN
 1:300M/T



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

PROJECT TITLE:
 REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT
 PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

 AR. PAUL A. ROCTOR, RMP
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CERTIFIED BY:

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RECOMMENDING APPROVAL:

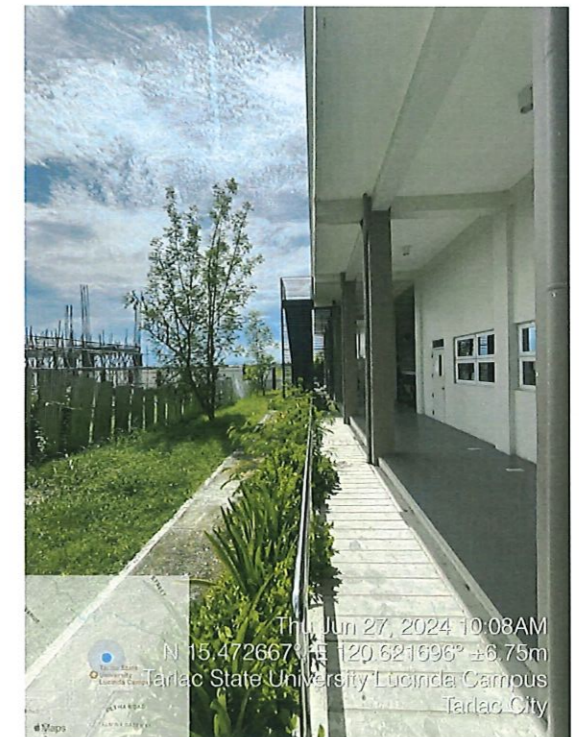
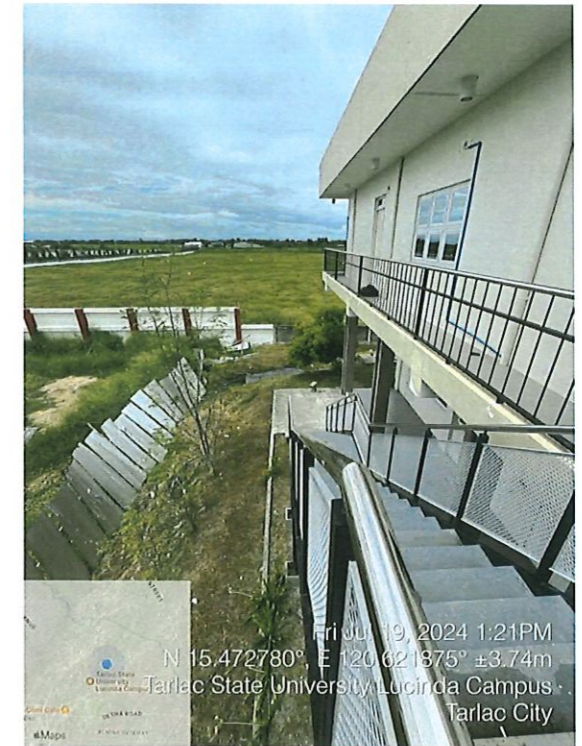
 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

 DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN
 DATE: NOVEMBER 2024

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 A-02
 PAGE NO:
 02/51

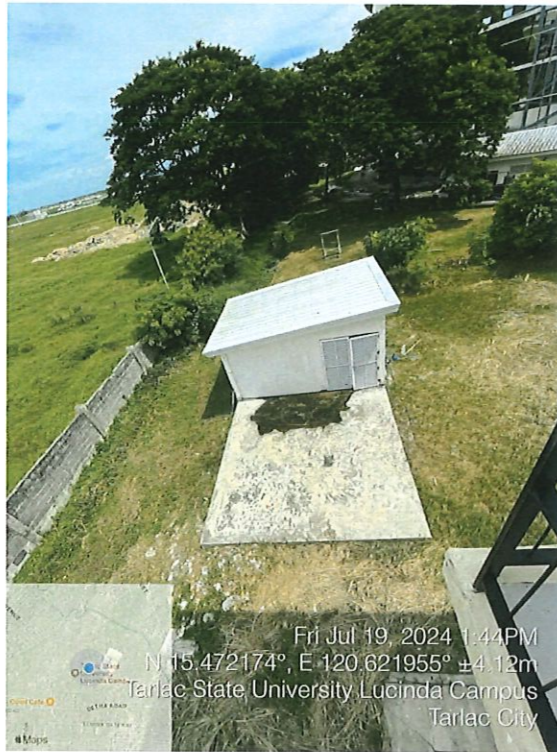


RIGHT SIDE OF THE BUILDING

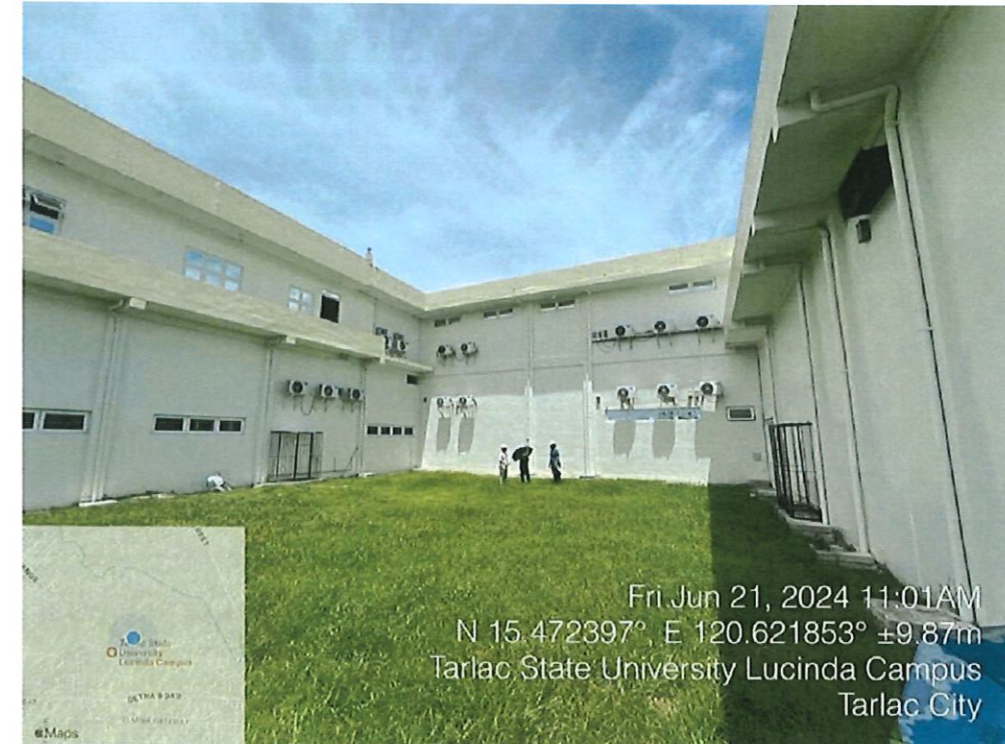
LEFT SIDE OF THE BUILDING

EXISTING SITE CONDITIONS

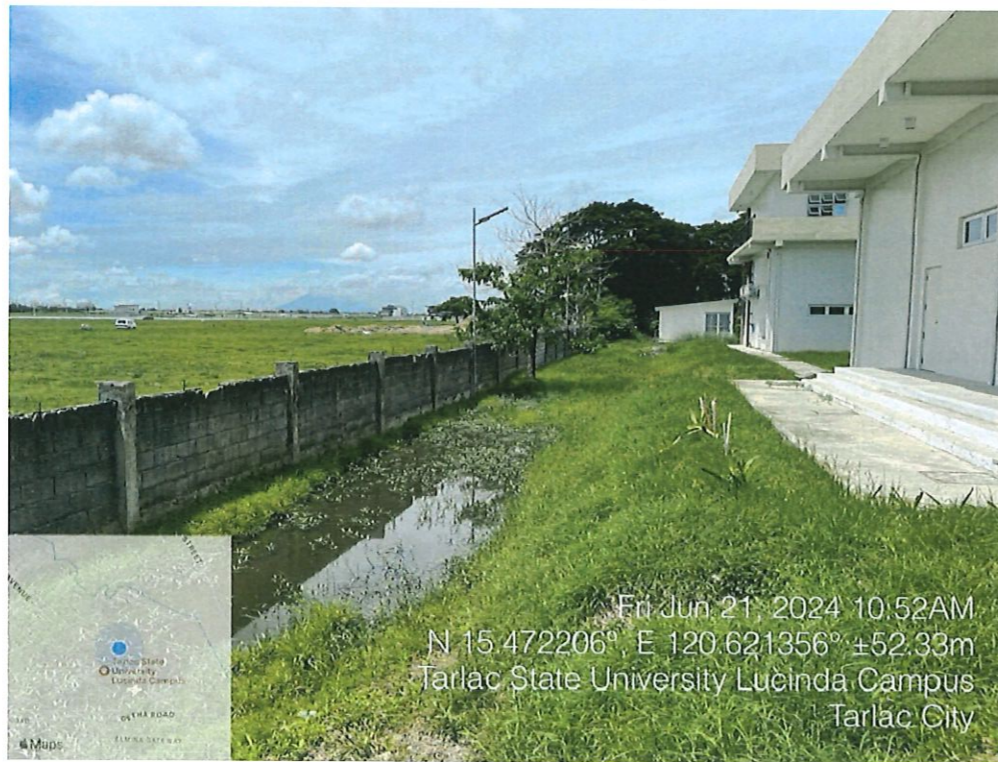
  <p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT							AS SHOWN	A-03
	PROJECT LOCATION:	AR. PAUL A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEAH T. MATIAS DIRECTOR, CFTR	ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	DATE: NOVEMBER 2024	03/51



REAR OF THE BUILDING



OPEN COURT



REAR OF THE BUILDING



REAR OF THE BUILDING

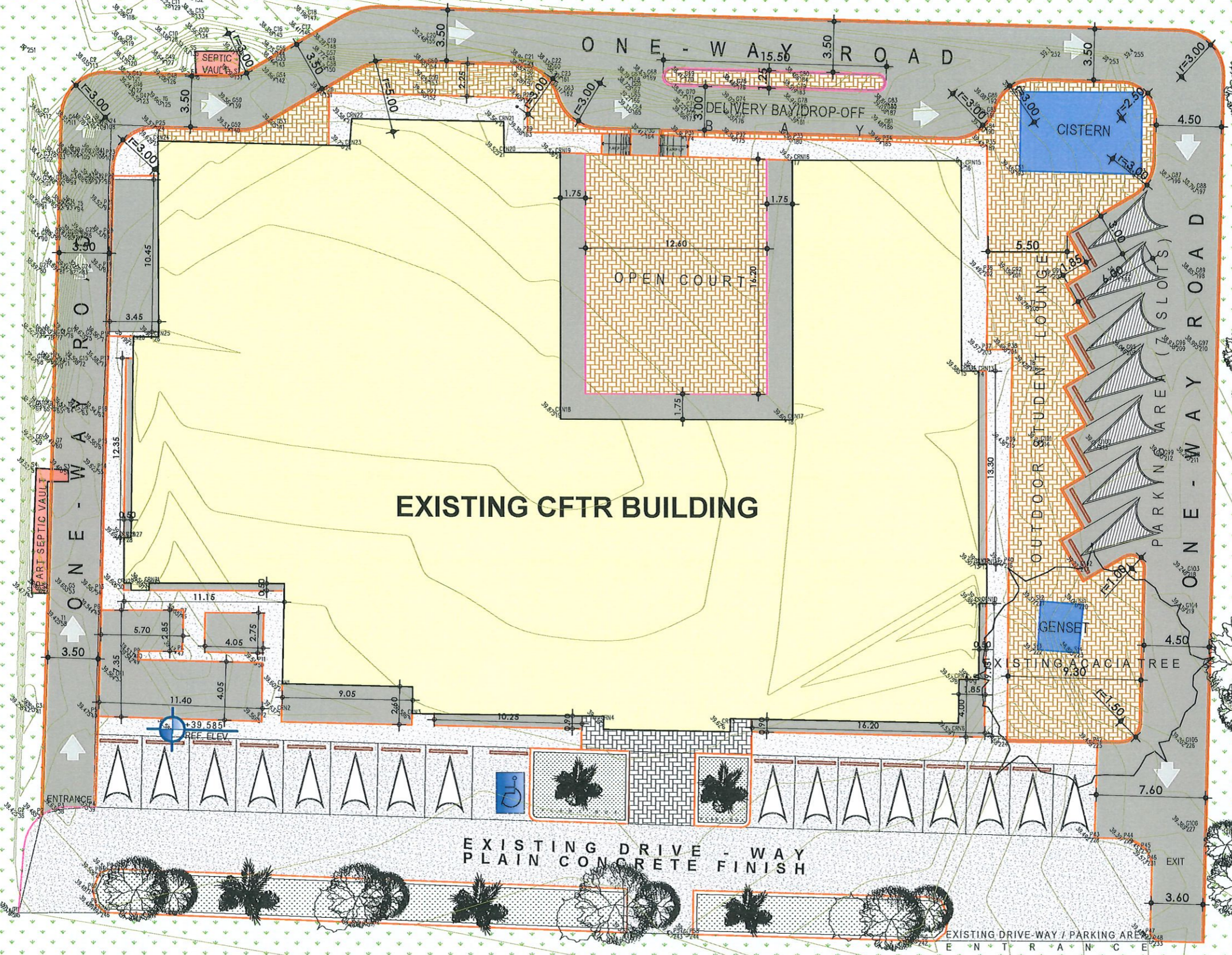
EXISTING SITE CONDITIONS



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

PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-04 PAGE NO: 04/51
PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: NOVEMBER 2024	

PROPERTY LINE PERIMETER FENCE PROPERTY LINE



SCOPE OF WORKS:
 CLEARING AND CONCRETING OF SURROUNDING LANDSCAPE
 ROAD NETWORK AND DELIVERY BAY
 ADDITIONAL PARKING
 CONCRETE PAVERS

LEGEND:

- FOR CONCRETING/ ACCESS ROAD
- CONCRETE PAVERS

CFTR BUILDING
PROPOSED SITE DEVELOPMENT PLAN
 1:300M/T/S



TARLAC STATE UNIVERSITY
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 Romulo Boulevard, Tarlac City, Philippines 2300

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PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

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 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

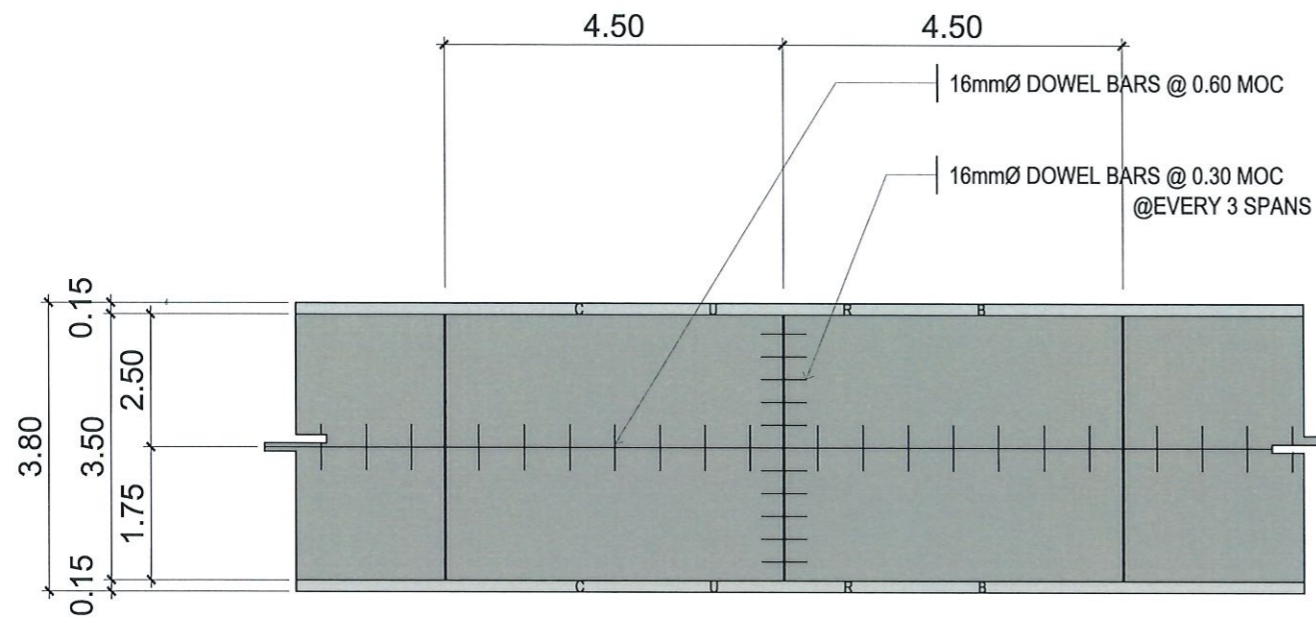
 DR. ARNOLD E. VELASCO
 RESIDENT

SHEET CONTENTS:
 AS SHOWN

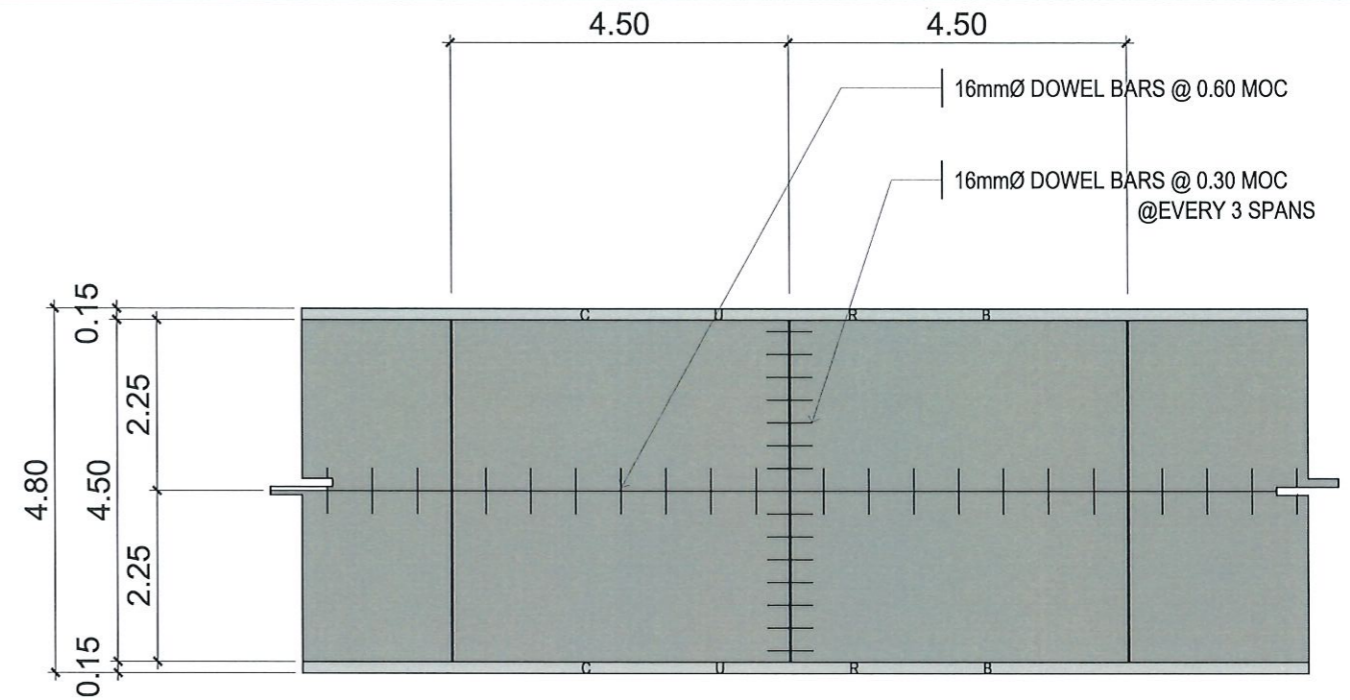
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PAGE NO:
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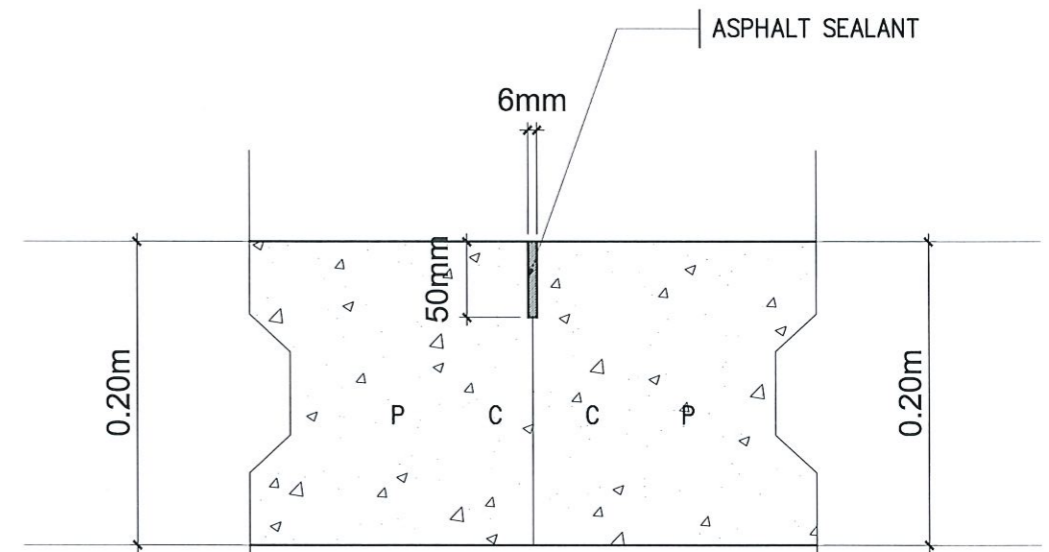
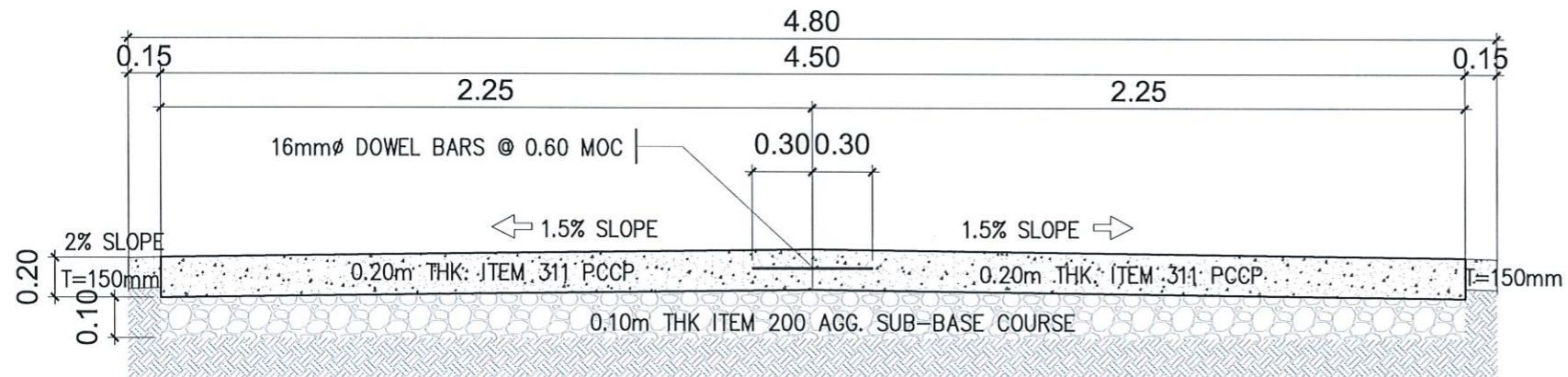
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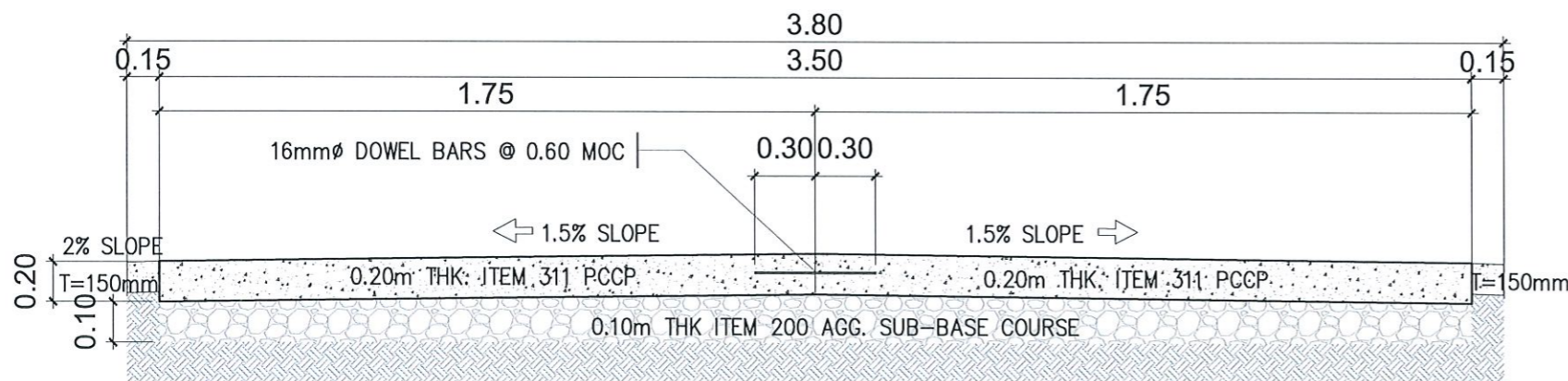
PROPOSED SITE DEVELOPMENT
TYPICAL ROADWAY PLAN
 1:100MTS



PROPOSED SITE DEVELOPMENT
TYPICAL ROADWAY PLAN
 1:100MTS



PROPOSED SITE DEVELOPMENT
CONTRACTION JOINT DETAIL
 NTS



PROPOSED SITE DEVELOPMENT
TYPICAL ROADWAY SECTION DETAIL
 NTS



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 WITH SITE DEVELOPMENT
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PREPARED BY:

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REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

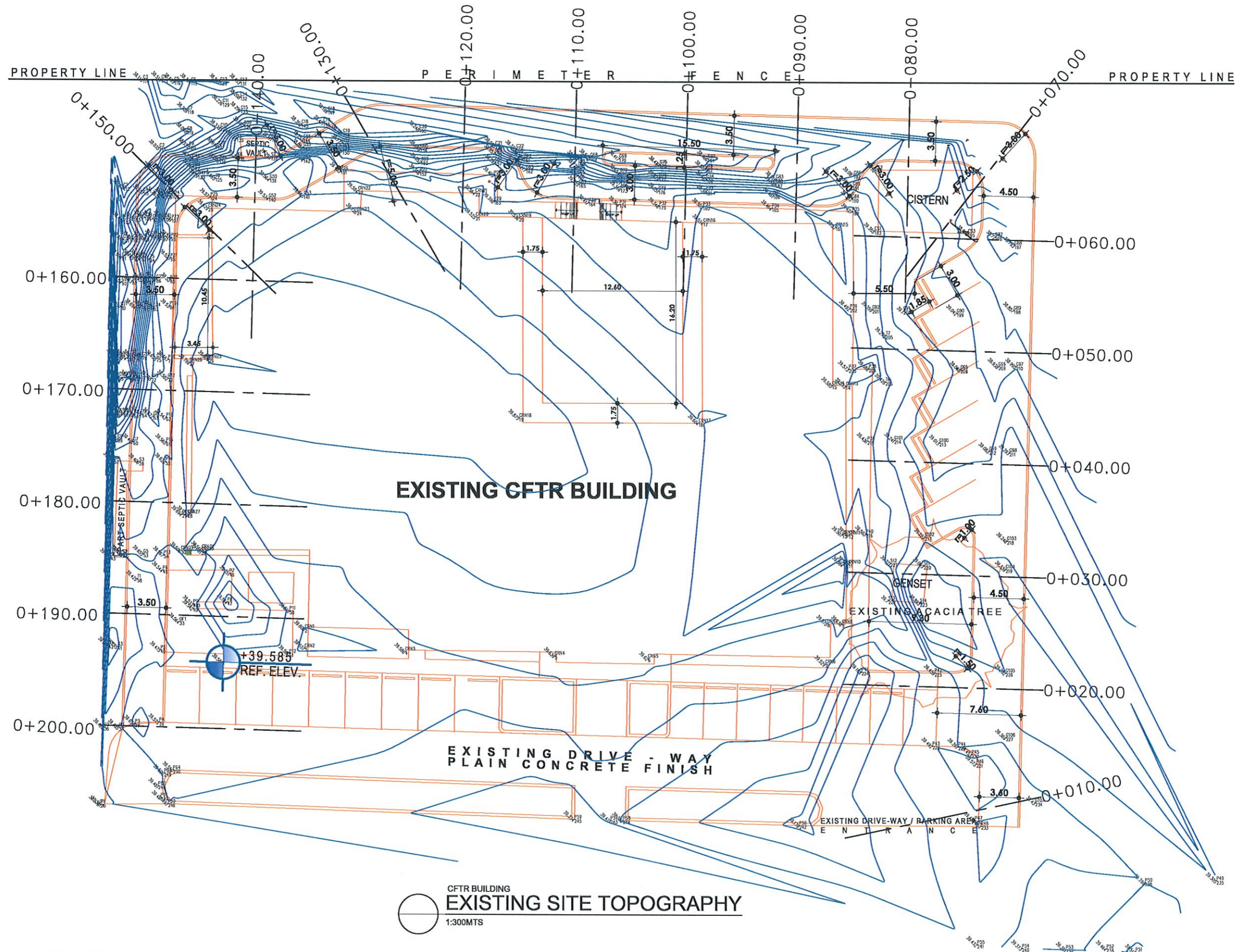
 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:








 DR. ARNOLD E. VELASCO
 PRESIDENT

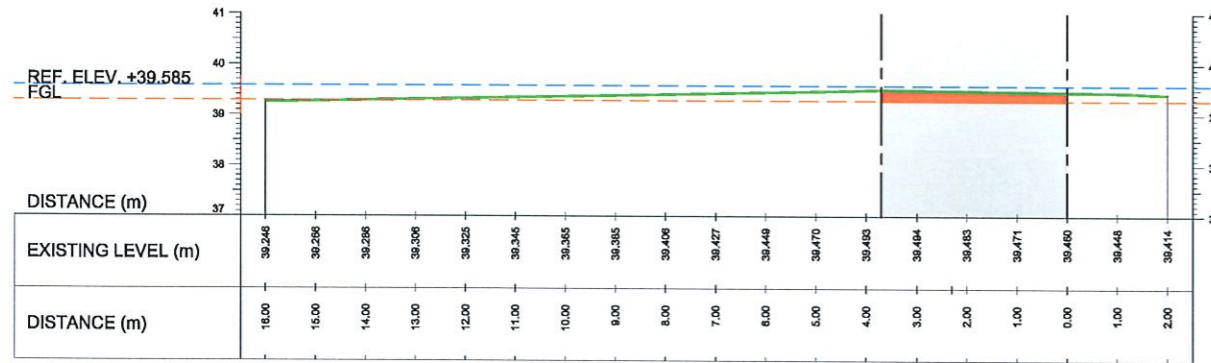
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 DATE: NOVEMBER 2024

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 PAGE NO:
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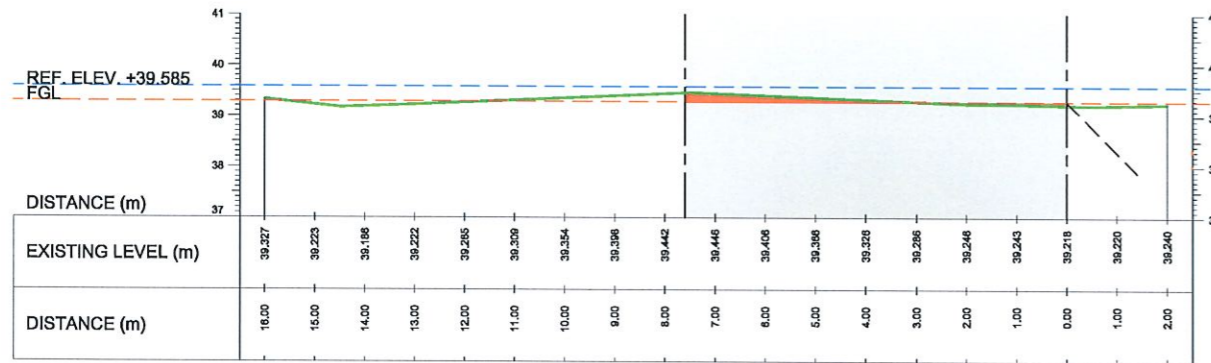


CFTR BUILDING
EXISTING SITE TOPOGRAPHY
 1:300MTS

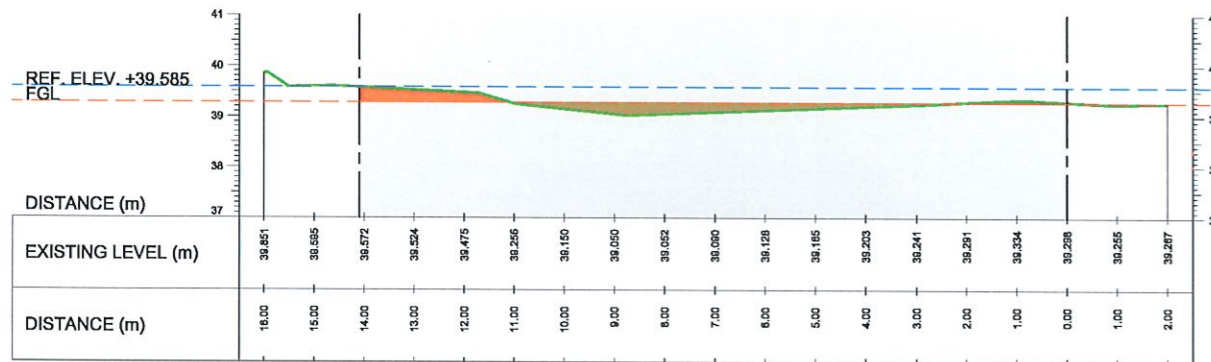
 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT							AS SHOWN	A-07
	LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. PAUL A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEAH T. MAMAS DIRECTOR, CFTR	ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	DATE: NOVEMBER 2024	PAGE NO: 07/51



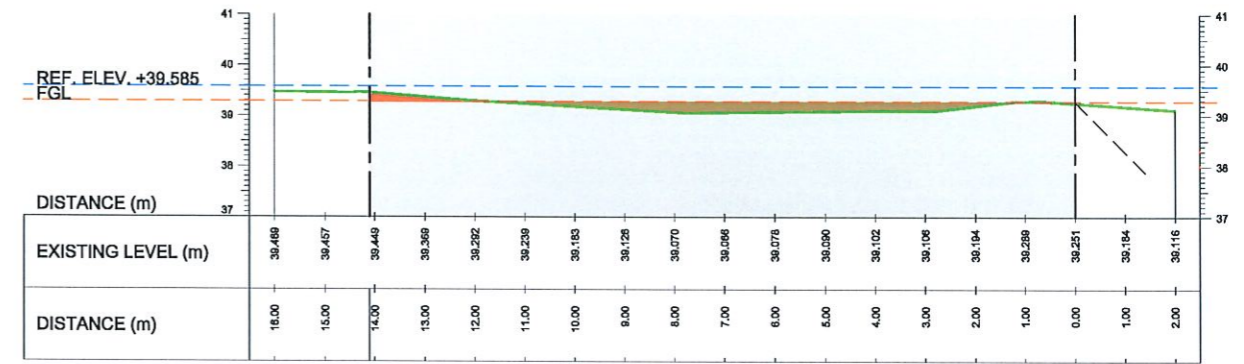
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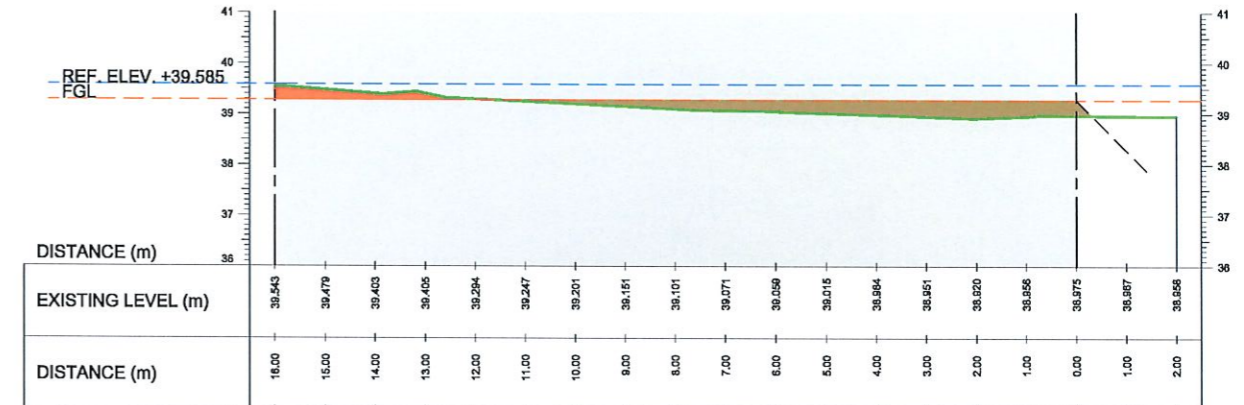
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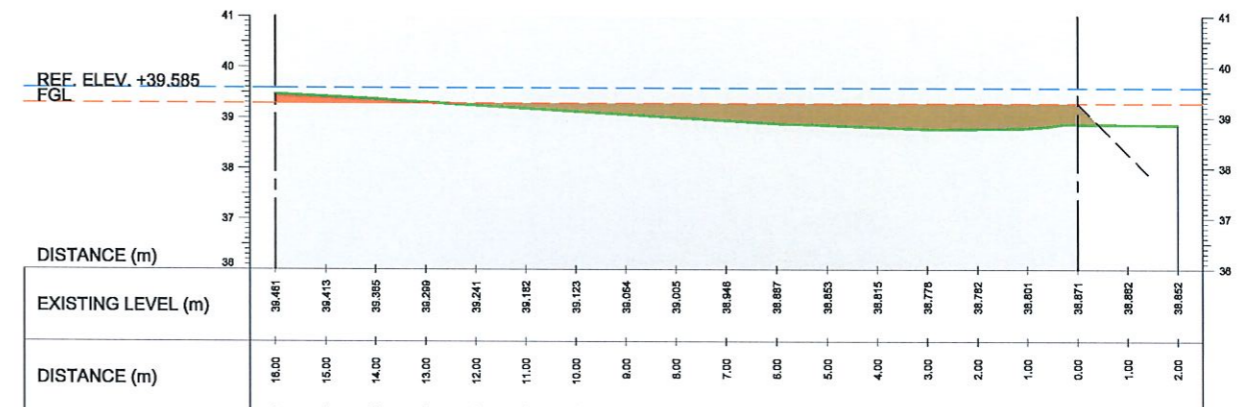
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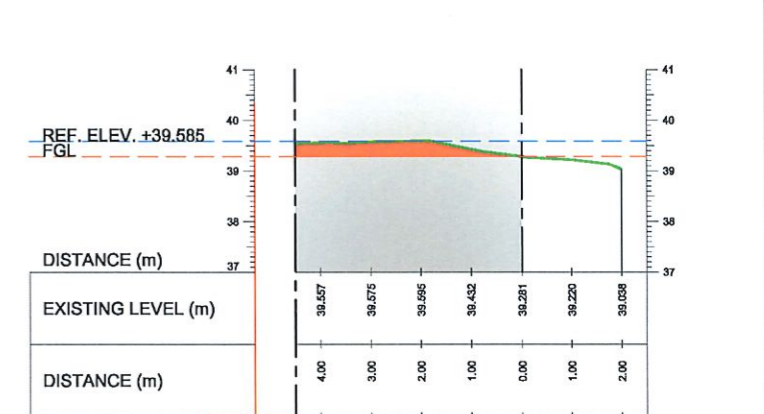
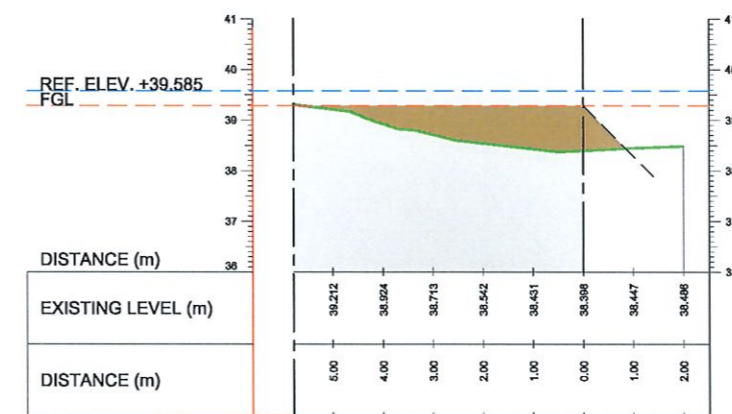
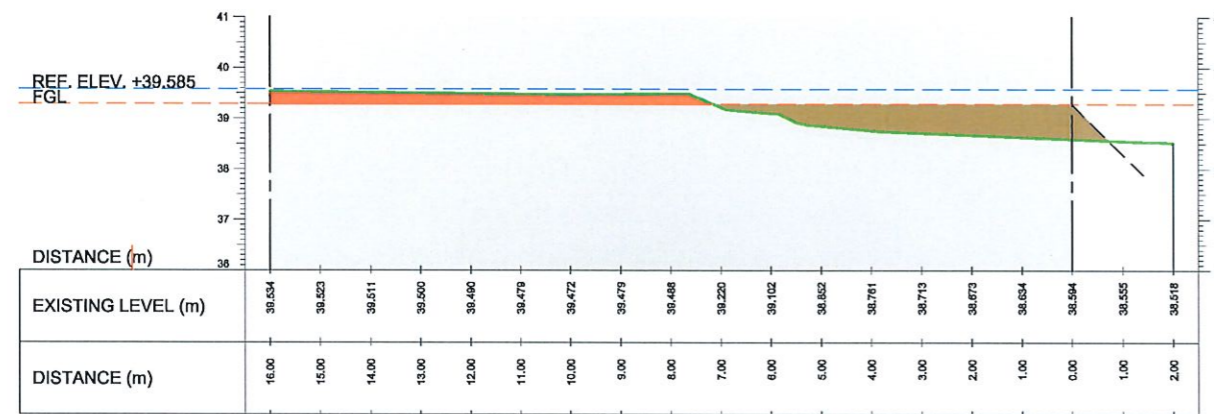
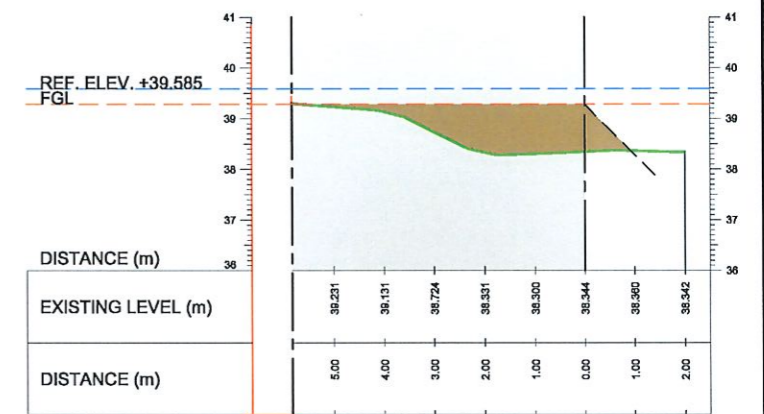
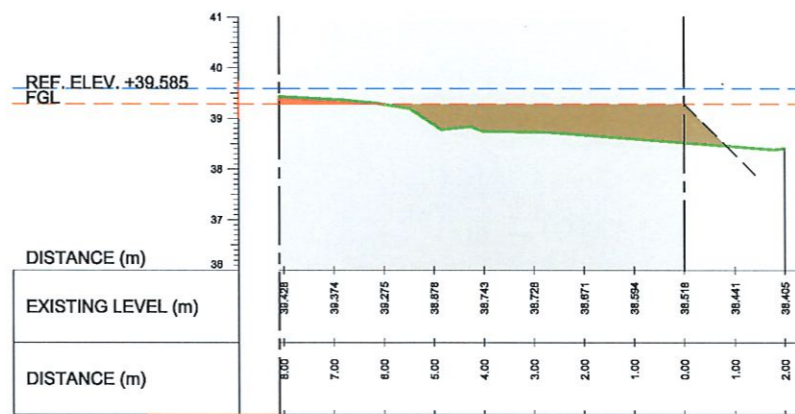
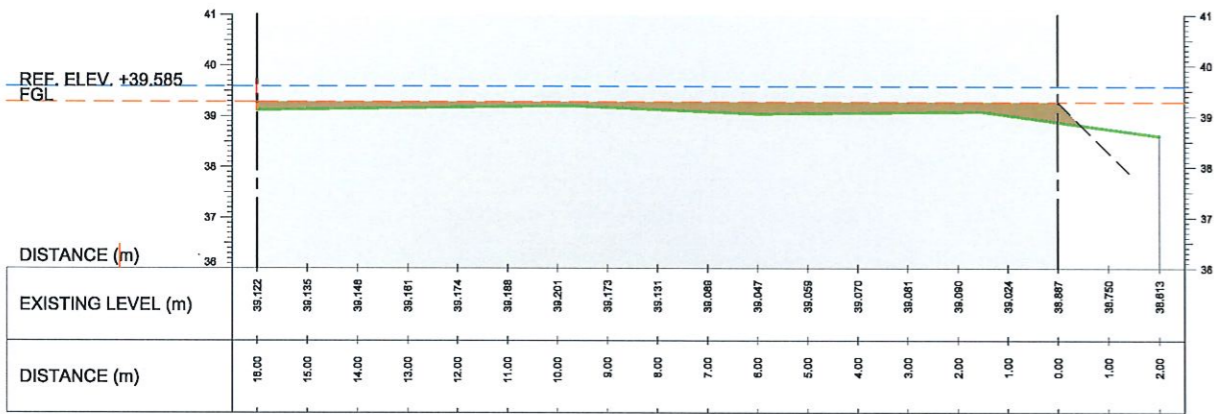
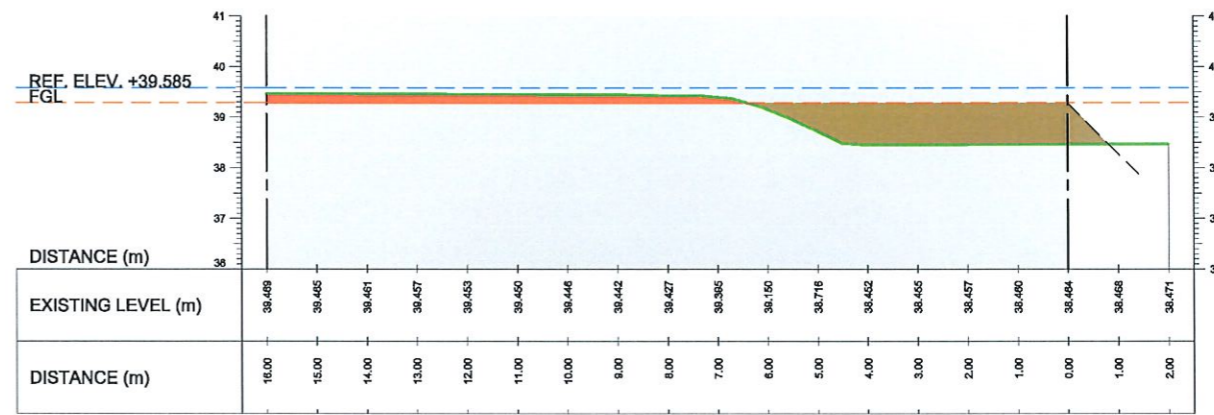
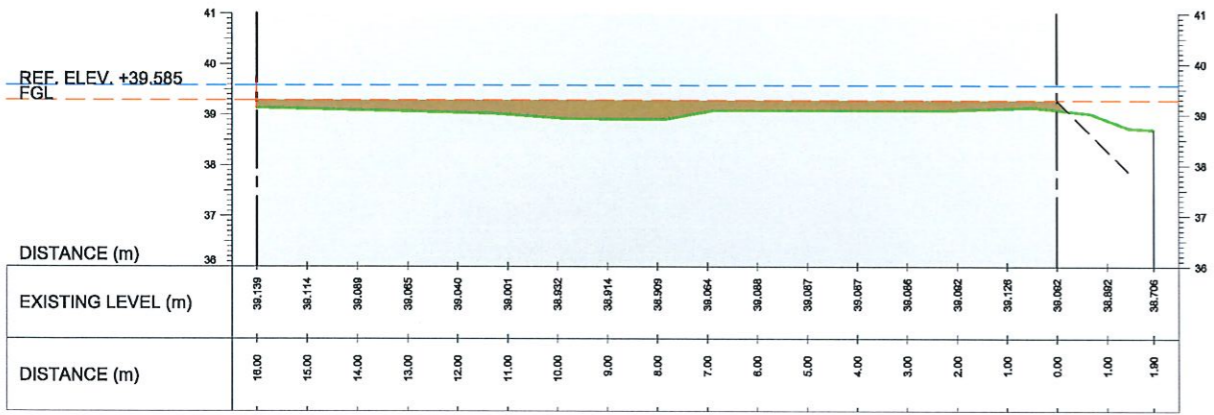
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LEGEND:

- NGL
- FGL
- FINISHED ROAD LEVEL
- AREA OF DEVELOPMENT
- BACKFILL
- CUT

PROPOSED SITE DEVELOPMENT PLAN
LOT PROFILES
 1:150 MTS

TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY:		CHECKED BY:		CERTIFIED BY:		REQUESTING OFFICE:		RECOMMENDING APPROVAL:		APPROVED:		SHEET CONTENTS:	SHEET NO:
	PROJECT LOCATION:	LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. PAULO A. DOCTOR, RMP	ARCHITECT/MASTER PLUMBER, OFDM-PDU	AR. CHERRY L. FABIANES	HEAD, OFDM-PDU	AR. ARLEN M. GUIEB	DIRECTOR, OFDM	DR. LEAH T. MATIAS	DIRECTOR, CFTR	ATTY. WILMARK J. RAMOS, DBA	VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO	PRESIDENT	AS SHOWN	A-08
															DATE: NOVEMBER 2024	08/51



- LEGEND:
- NGL
 - FGL
 - FINISHED ROAD LEVEL
 - AREA OF DEVELOPMENT
 - BACKFILL
 - CUT

PROPOSED SITE DEVELOPMENT PLAN
LOT PROFILES
 1:150 MTS



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

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 WITH SITE DEVELOPMENT**

PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

AR. PAULO A. OCTOR, RMP
 ARCHITECT/MASTER PLUMBER, OFDM-PDU

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CERTIFIED BY:

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 DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

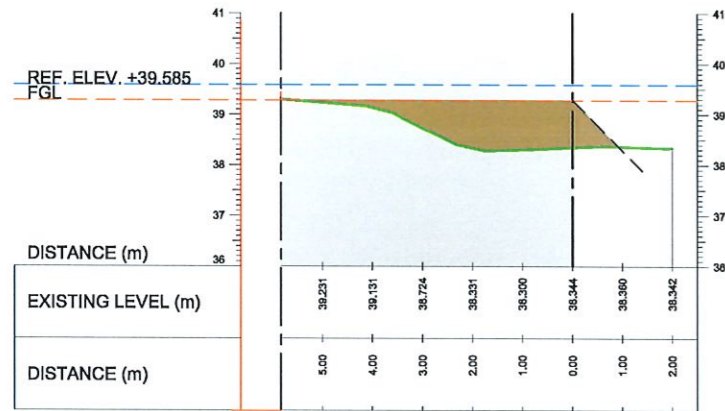
DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
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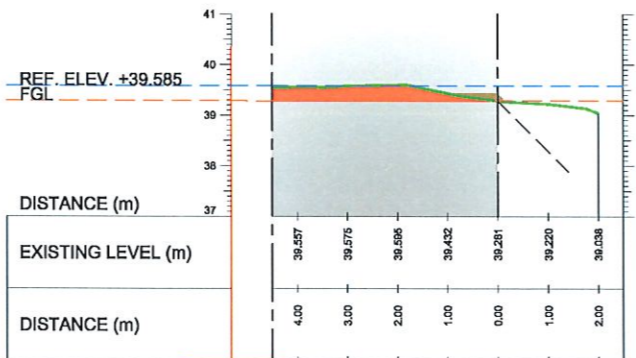
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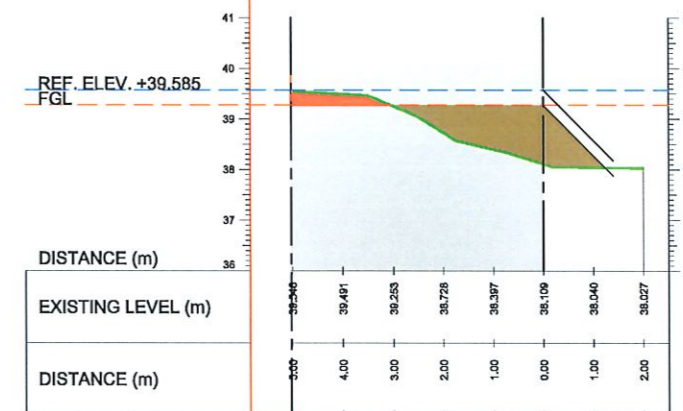
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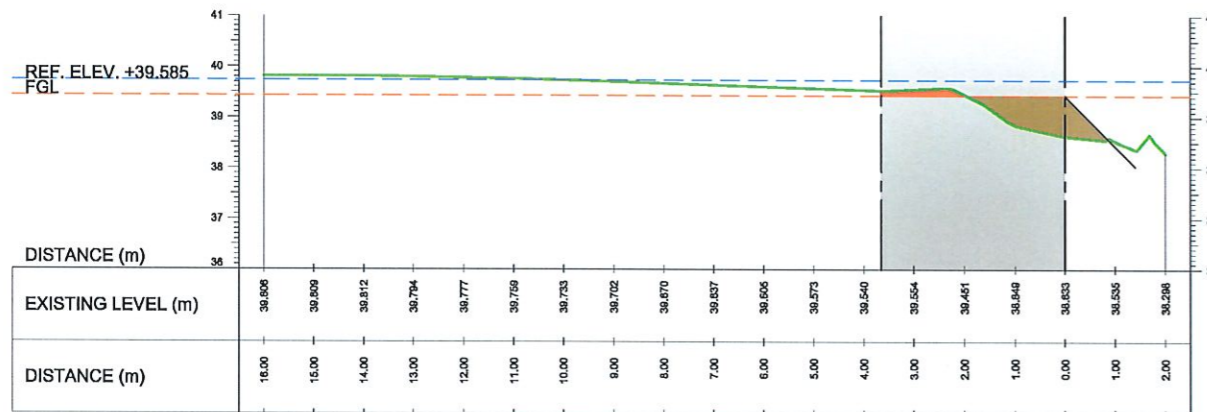
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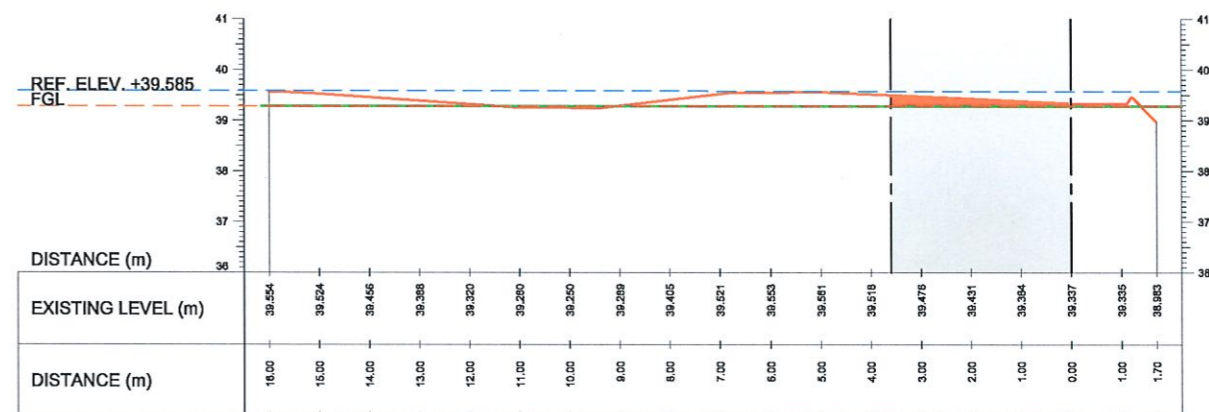
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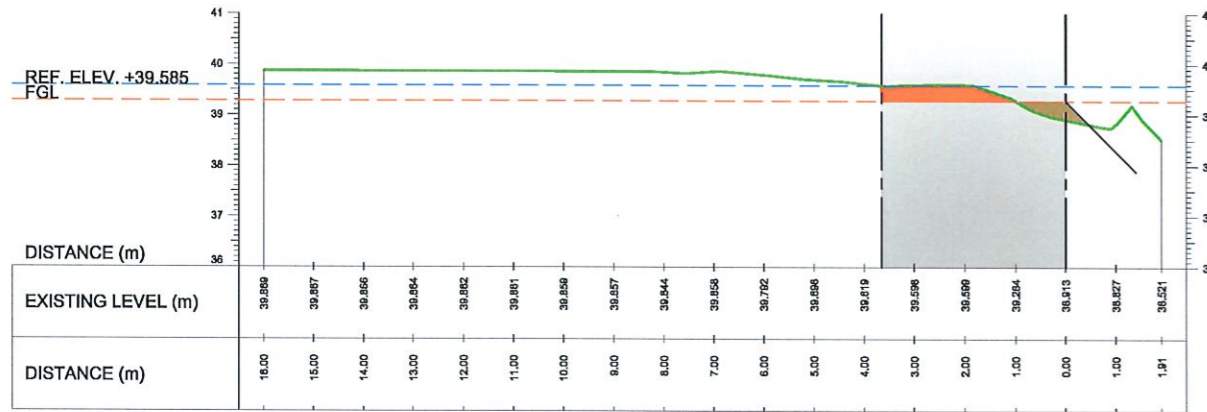
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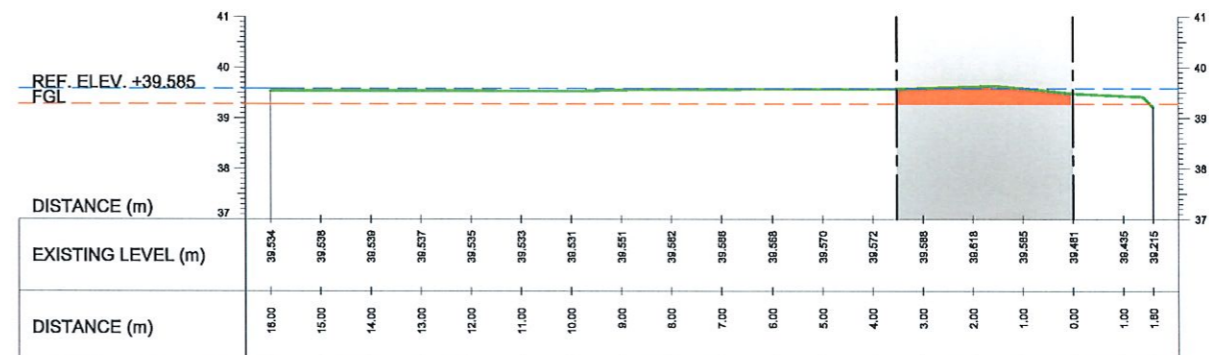
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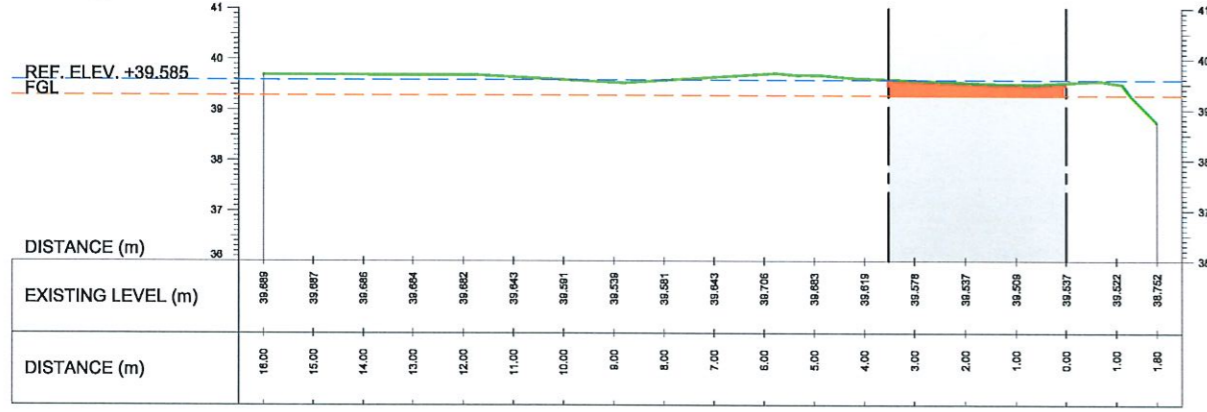
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PROPOSED SITE DEVELOPMENT PLAN
LOT PROFILES
 1:150 MTS

- LEGEND:
- NGL
 - FGL
 - FINISHED ROAD LEVEL
 - AREA OF DEVELOPMENT
 - BACKFILL
 - CUT



PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

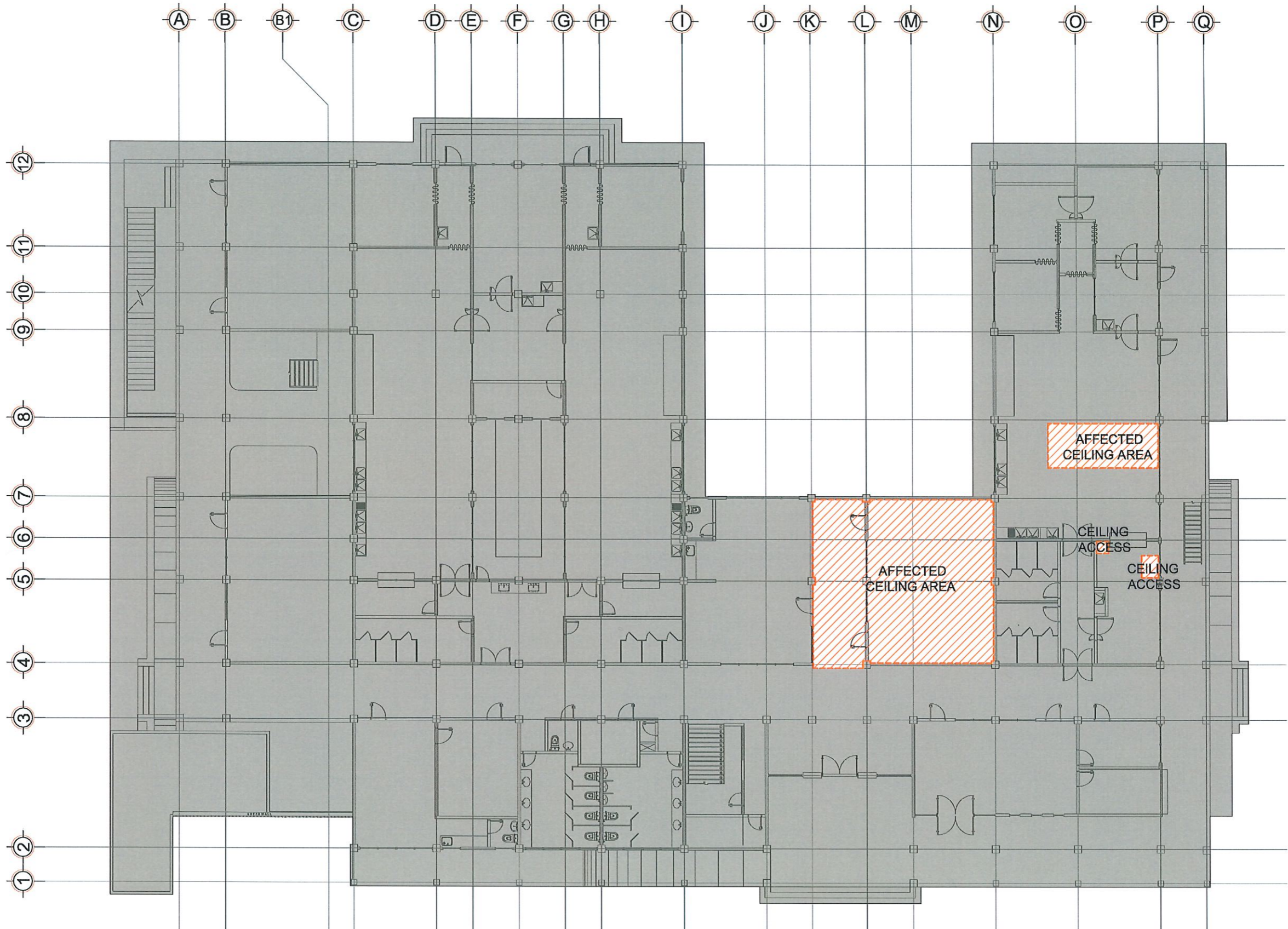
DR. ARNOLD E. VELASCO
 PRESIDENT

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CFTR BUILDING - EXISTING GROUND FLOOR PLAN
SCOPE OF WORK KEY PLAN
 1:225MTS



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

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 HEAD, OFDM-PDU

CERTIFIED BY:

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REQUESTING OFFICE:

DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

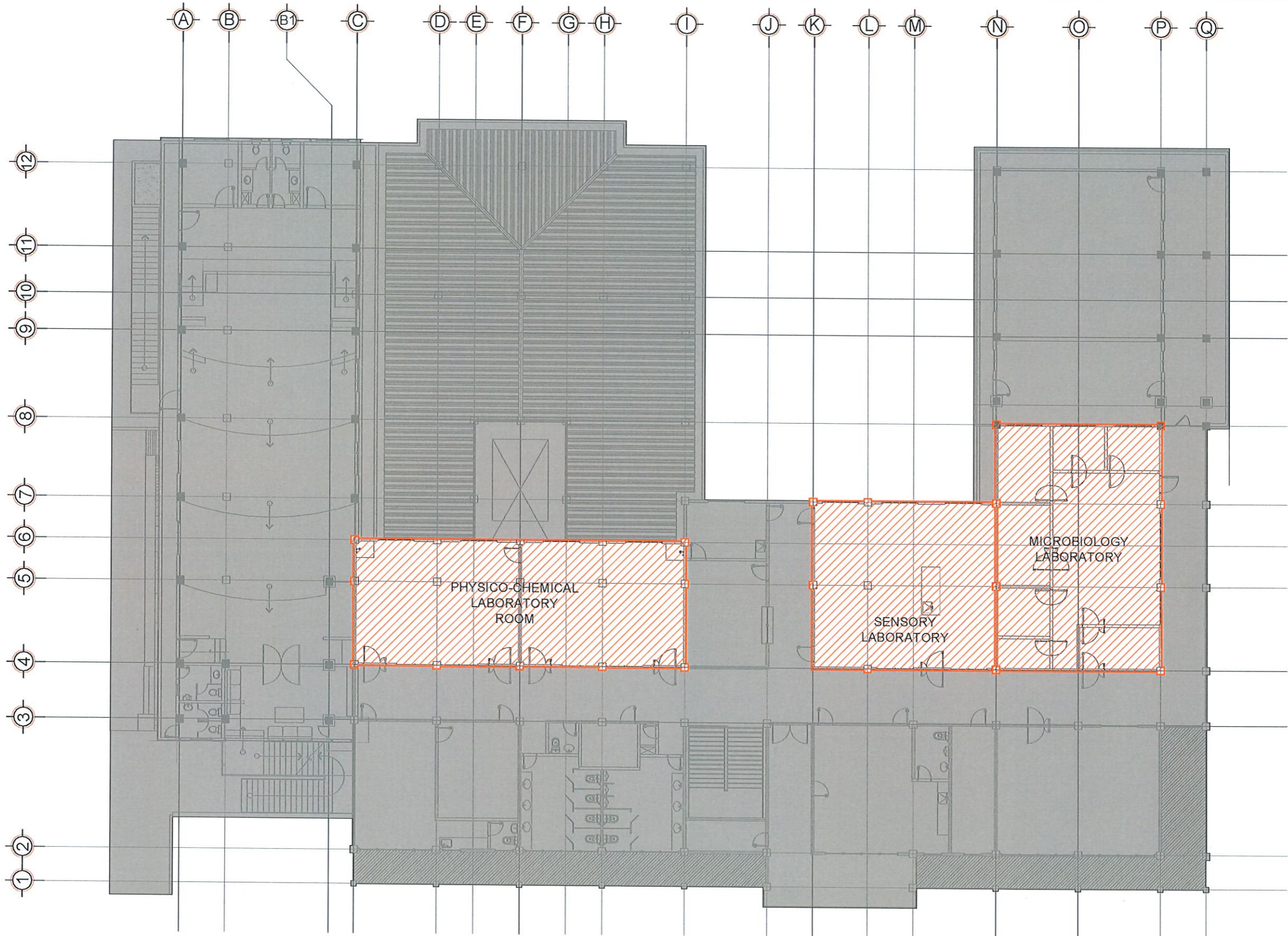
DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN

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A-11

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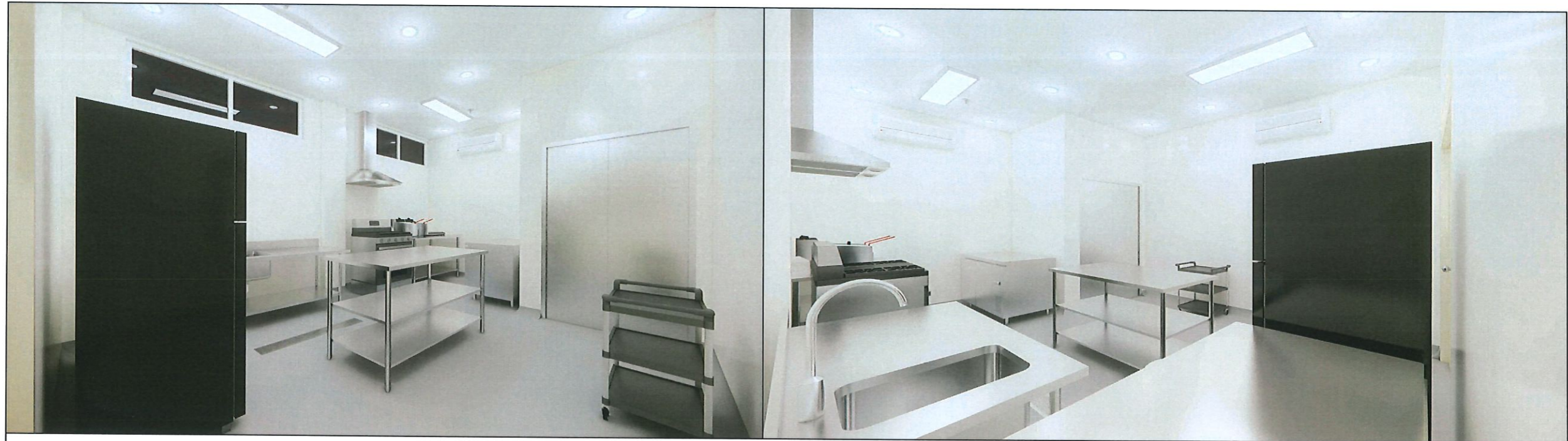


CFTR BUILDING - EXISTING SECOND FLOOR PLAN
SCOPE OF WORK KEY PLAN
 1:225MTS



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

PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: <i>Paulo A. Doctor</i> AR. PAULO A. DOCTOR, RMP ARCHITECT/REGISTERED PLUMBER, DFDM-PDU	CHECKED BY: <i>Cherry L. Fabianes</i> AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: <i>Arlen M. Guieb</i> AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: <i>Leah T. Matias</i> DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: <i>Wilmari J. Ramos</i> ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: <i>Arnold E. Velasco</i> DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-12
PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: NOVEMBER 2024	PAGE NO: 12/51



F O O D P R E P A R A T I O N R O O M / K I T C H E N



D I S C U S S I O N R O O M



W A I T I N G R O O M / L O U N G E



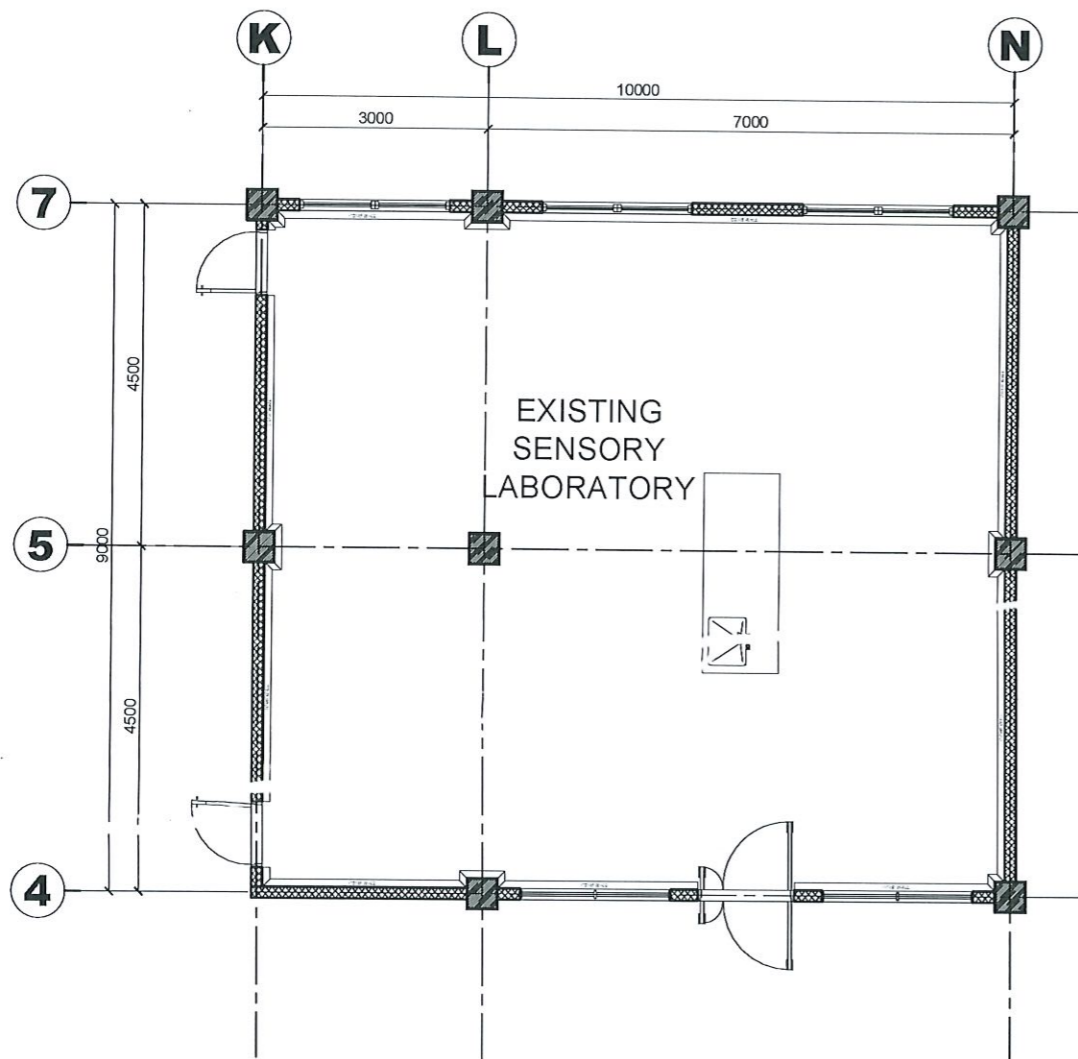
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**S E N S O R Y E V A L U A T I O N F A C I L I T Y
P E R S P E C T I V E V I E W S**

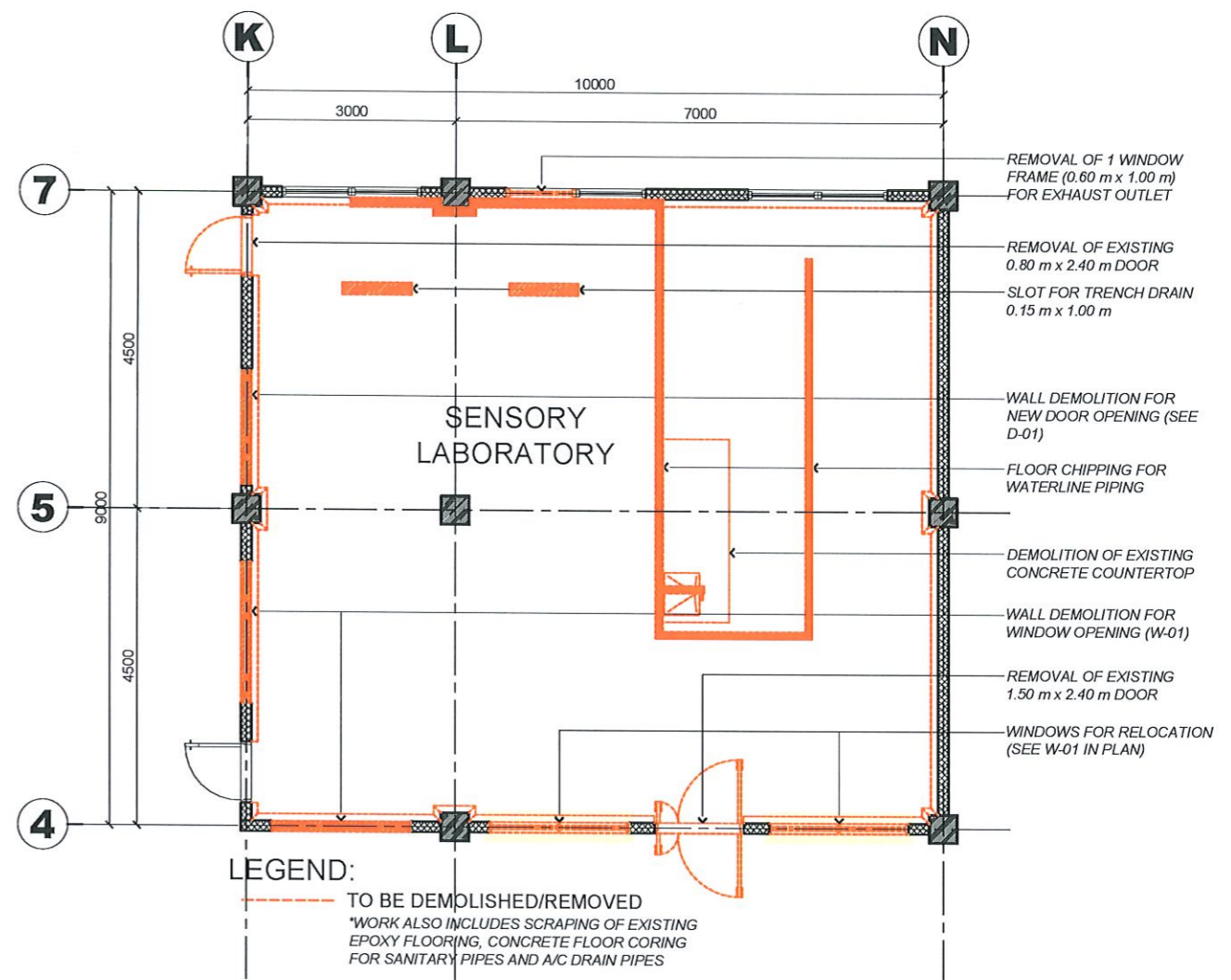


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Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAUL A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: NOVEMBER 2024	SHEET NO: A-13 PAGE NO: 13/51
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SENSORY LABORATORY ROOM
EXISTING FLOOR PLAN
 1:100 MTS



SENSORY LABORATORY ROOM
DEMOLITION PLAN
 1:100 MTS



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

PROJECT TITLE:
 REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT
 PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

 AR. PAUL A. DOCTOR, RMP
 ARCHITECT/REGISTERED PLUMBER, OFDM-PDU

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

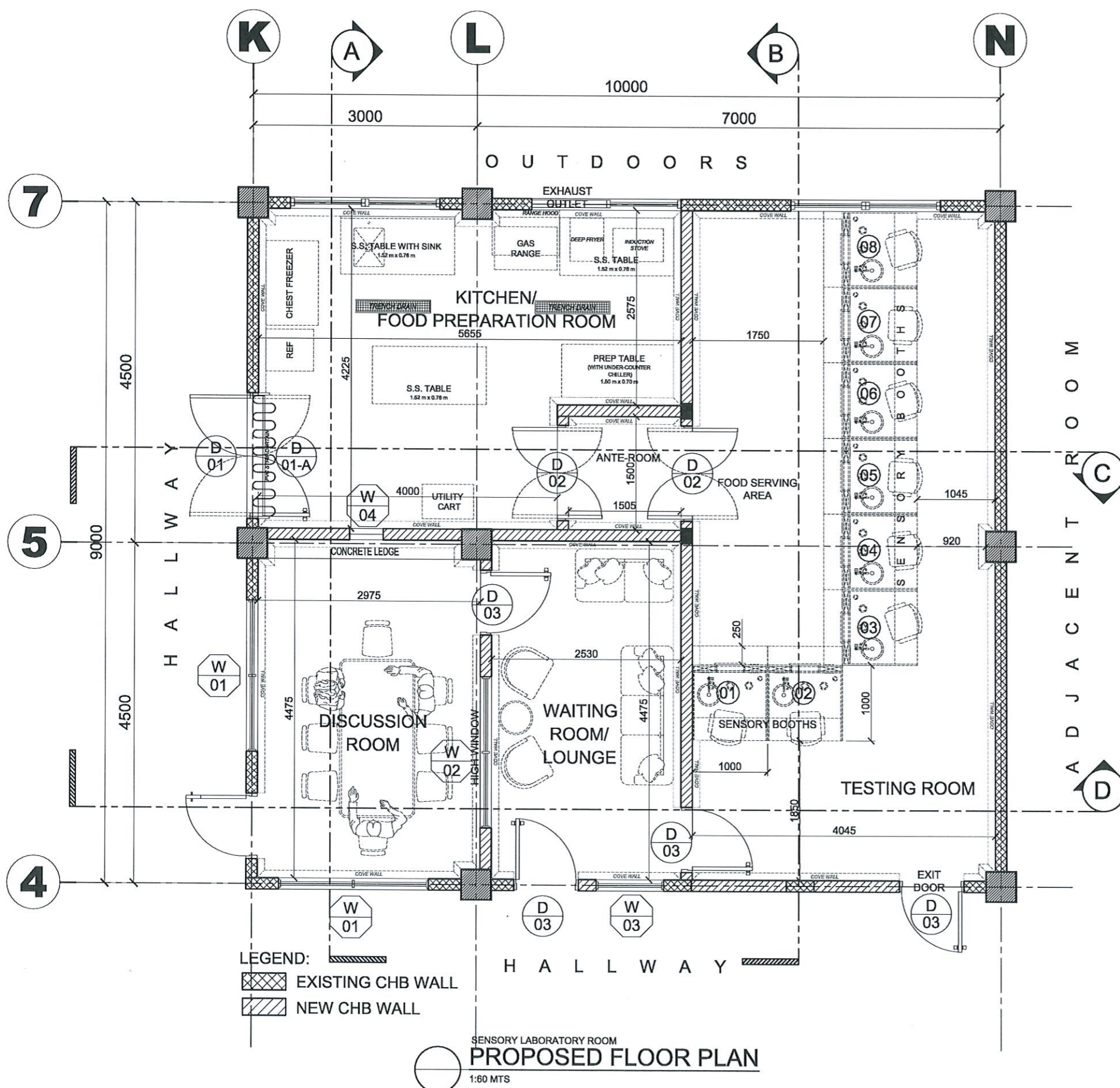
 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

 DR. ARNOLD E. VELASCO
 PRESIDENT

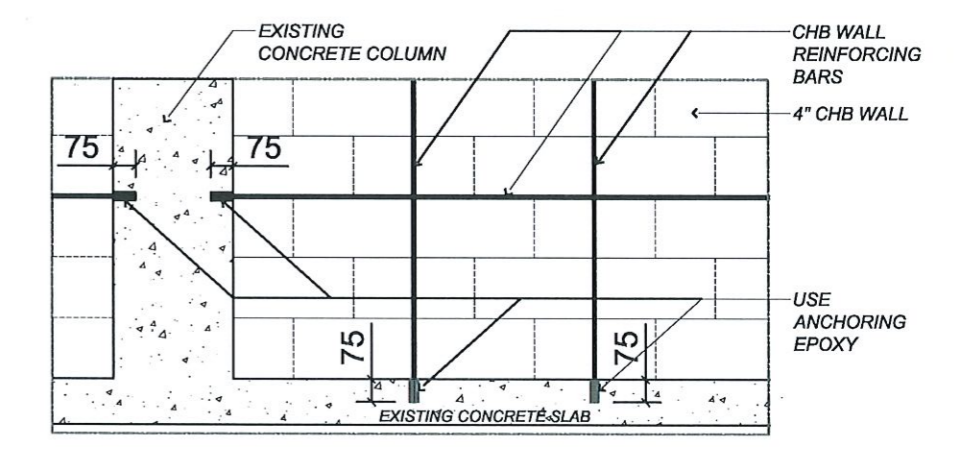
SHEET CONTENTS:
 AS SHOWN
 DATE: NOVEMBER 2024

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 PAGE NO:
 14/51



SCOPE OF WORKS:

- DEMOLITION AND RESTORATION WORKS
- SCRAPPING OF EXISTING FLOOR PAINT FINISH
- ERECTION OF NEW PARTITION WALLS
- PLASTERING WORKS
- PAINTING WORKS (INCLUDING WALL FACE ALONG HALLWAY)
- INSTALLATION AND RELOCATION OF NEW DOORS AND WINDOWS
- CONCRETE TOPPING AT KITCHEN/FOOD PREPARATION AREA
- FLOOR FINISH PAINTING WORKS (INCLUDING COVE WALL)
- CEILING WORKS
- FURNISHING WORKS
- ELECTRICAL WORKS
- PLUMBING WORKS
- MECHANICAL WORKS

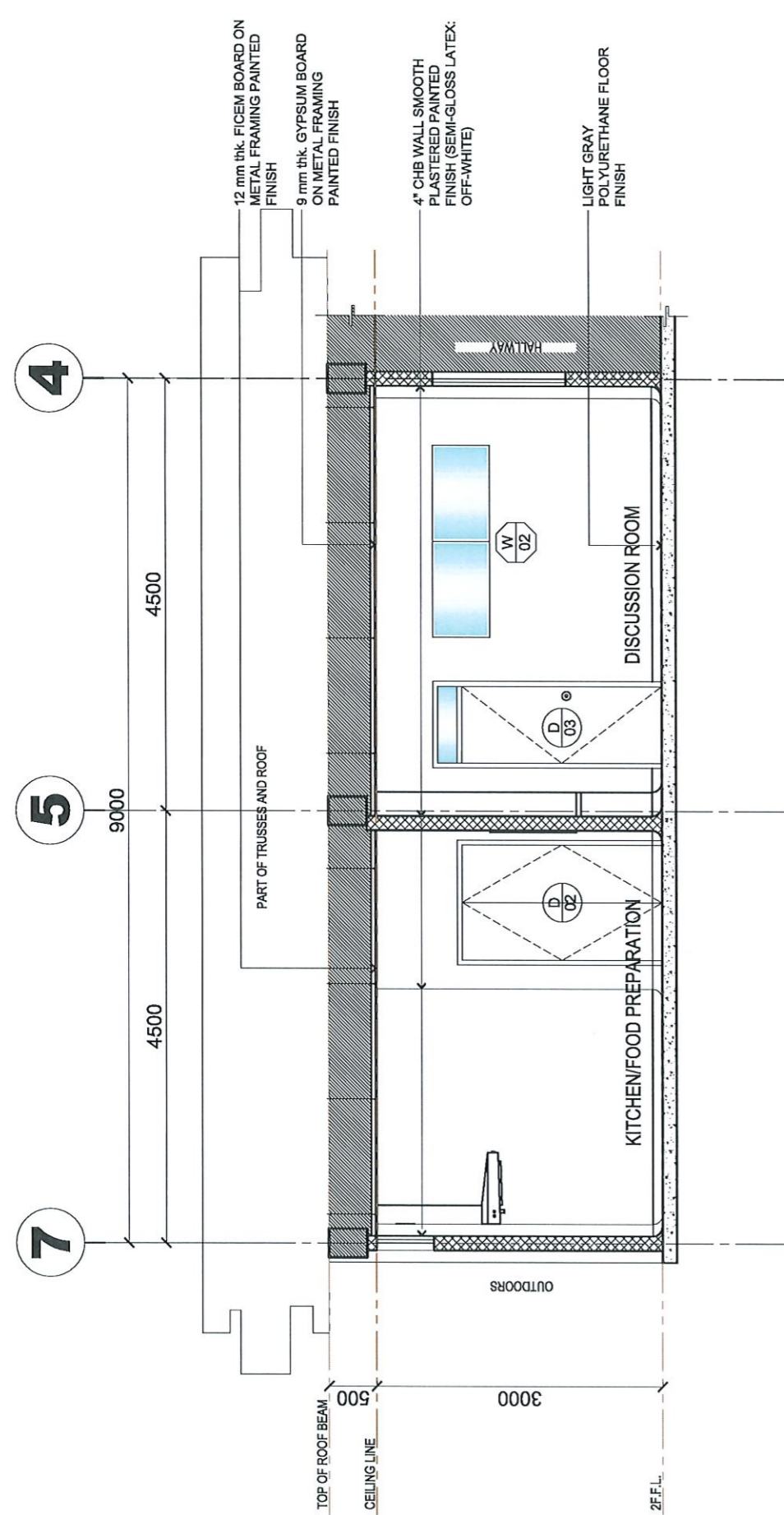


SENSORY LABORATORY ROOM
PARTITION WALL CONNECTION DETAIL
 1:25 MTS

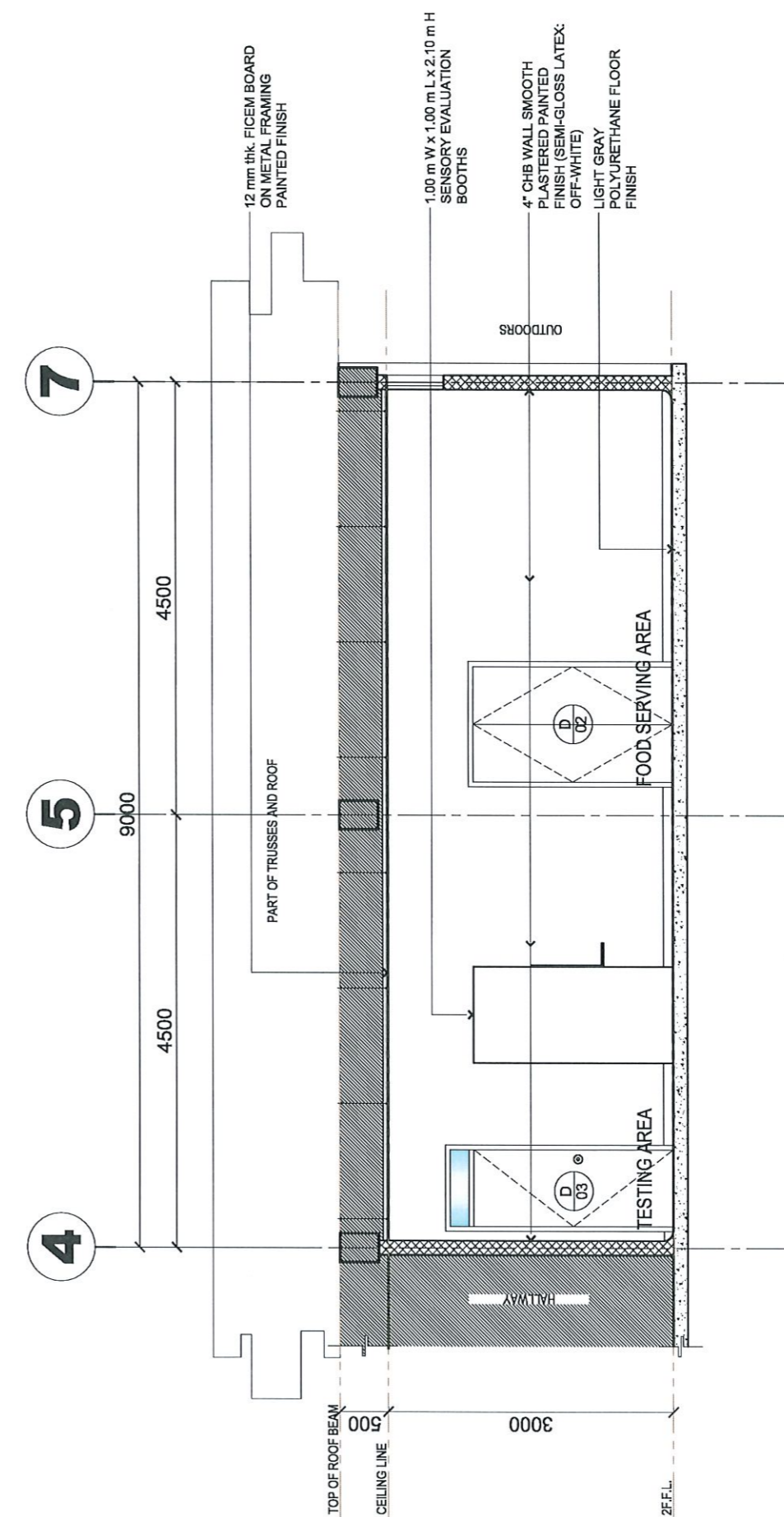
LEGEND:
 EXISTING CHB WALL
 NEW CHB WALL

SENSORY LABORATORY ROOM
PROPOSED FLOOR PLAN
 1:60 MTS

TARLAC STATE UNIVERSITY Facilities Development and Management Office <small>Romulo Boulevard, Tarlac City, Philippines 2300</small>	PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-15	
	PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								DATE: NOVEMBER 2024	PAGE NO: 15/51



SENSORY LABORATORY ROOM
SECTION THRU "A"
1:65 MTS

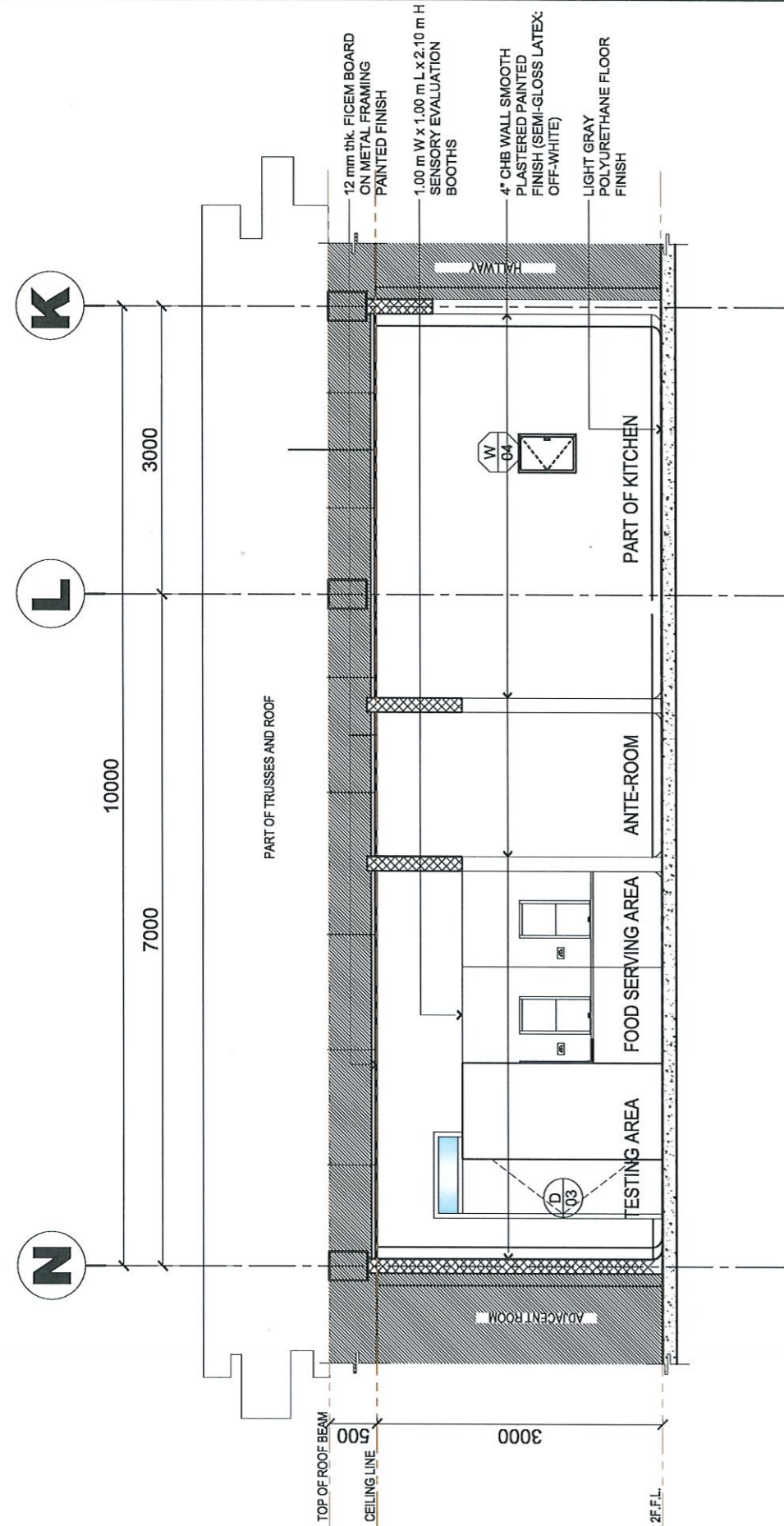


SENSORY LABORATORY ROOM
SECTION THRU "B"
1:65 MTS

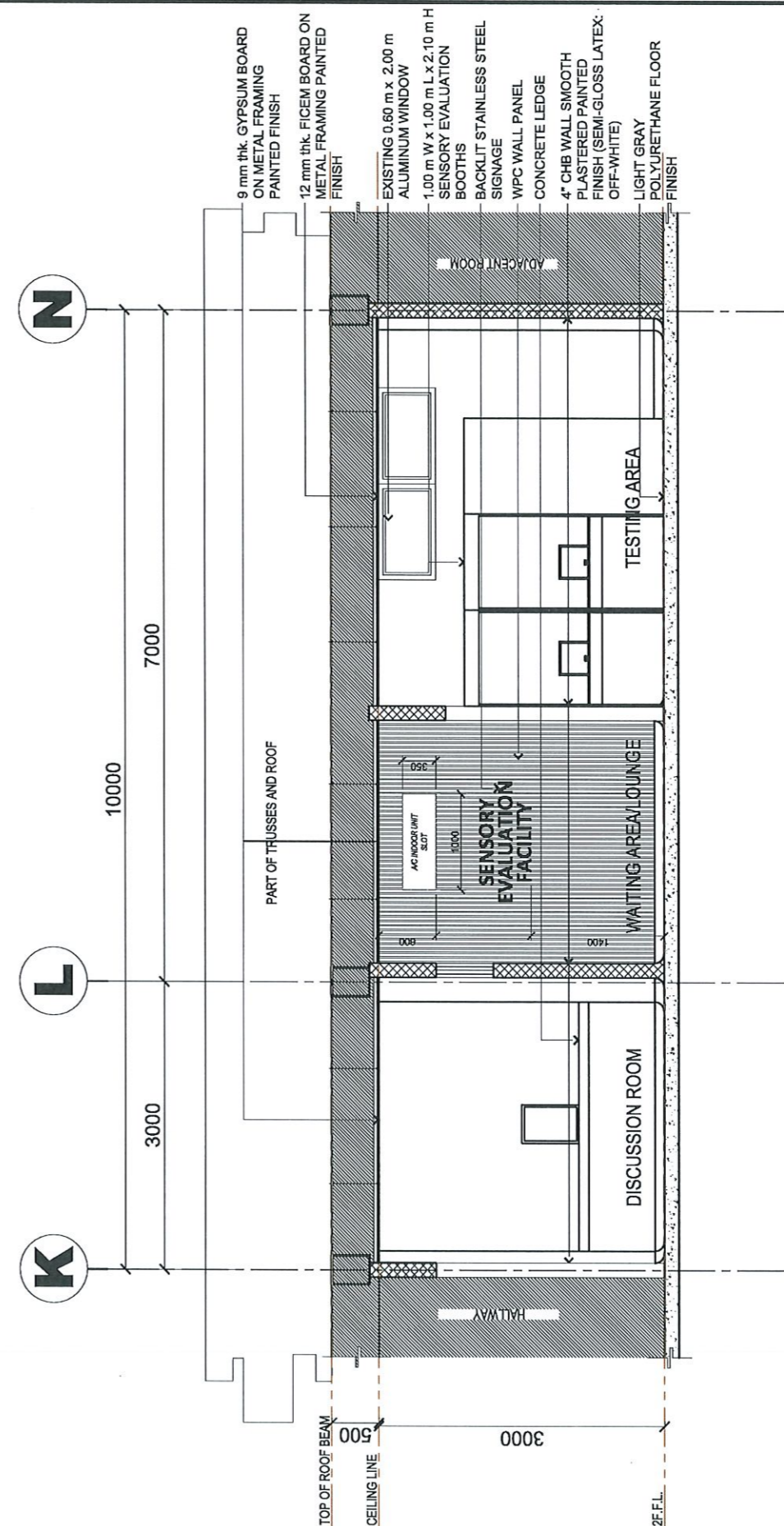


TARLAC STATE UNIVERSITY
Facilities Development and
Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAUL A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-POU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-POU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-16
PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: NOVEMBER 2024	PAGE NO: 16/51



SENSORY LABORATORY ROOM
SECTION THRU "C"
1:65 MTS



SENSORY LABORATORY ROOM
SECTION THRU "D"
1:65 MTS



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING
WITH SITE DEVELOPMENT
PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

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

CHECKED BY:
Cherry L. Fabianes
AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:
Arlen M. Guieb
AR. ARLEN M. GUIEB
DIRECTOR, OFDM

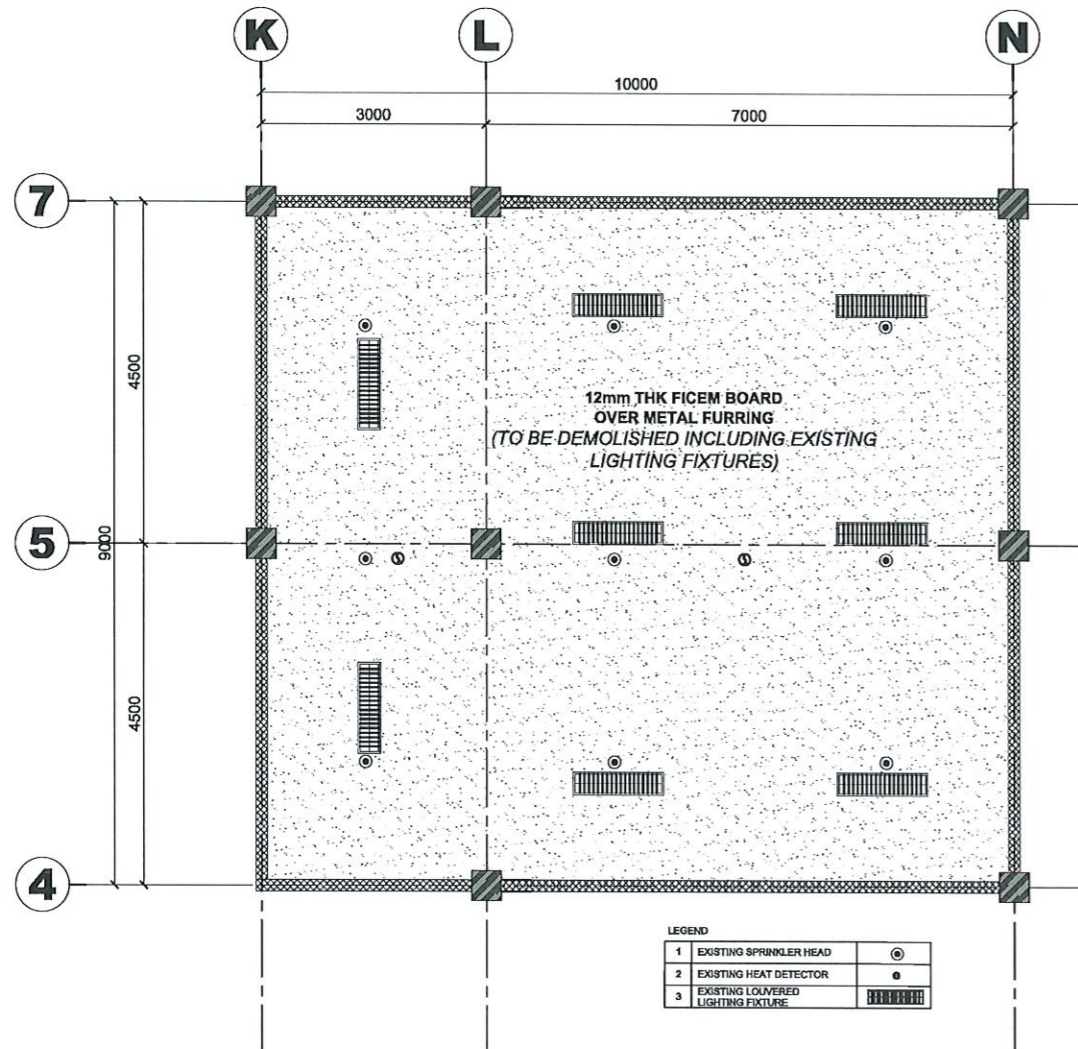
REQUESTING OFFICE:
Leah T. Matias
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
Wilmark J. Ramos
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

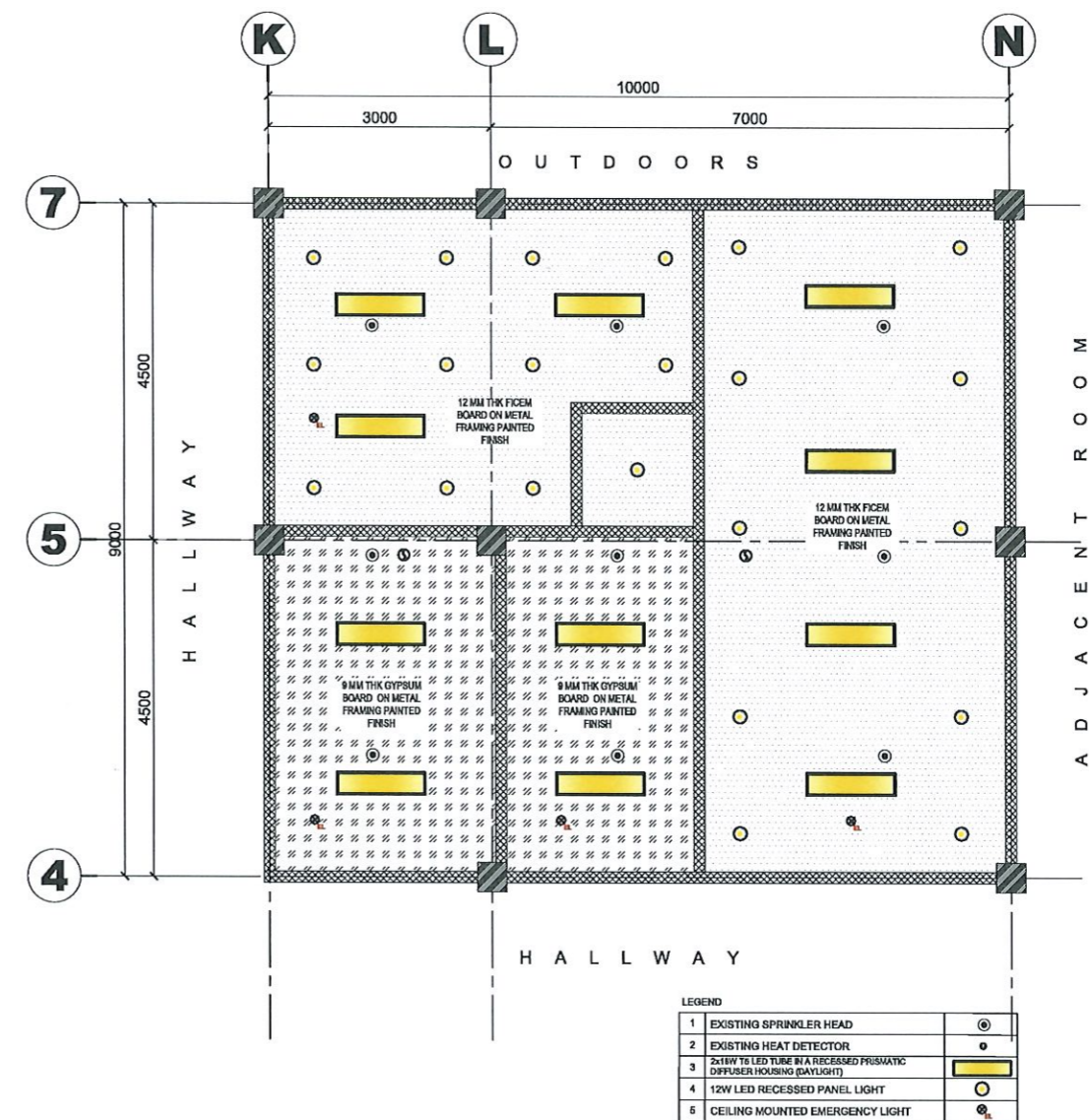
APPROVED:
Arnold E. Velasco
DR. ARNOLD E. VELASCO
PRESIDENT

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AS SHOWN
DATE: NOVEMBER 2024

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SENSORY LABORATORY ROOM
EXISTING REFLECTED CEILING PLAN
 1:100 MTS



SENSORY LABORATORY ROOM
PROPOSED REFLECTED CEILING PLAN
 1:100 MTS



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

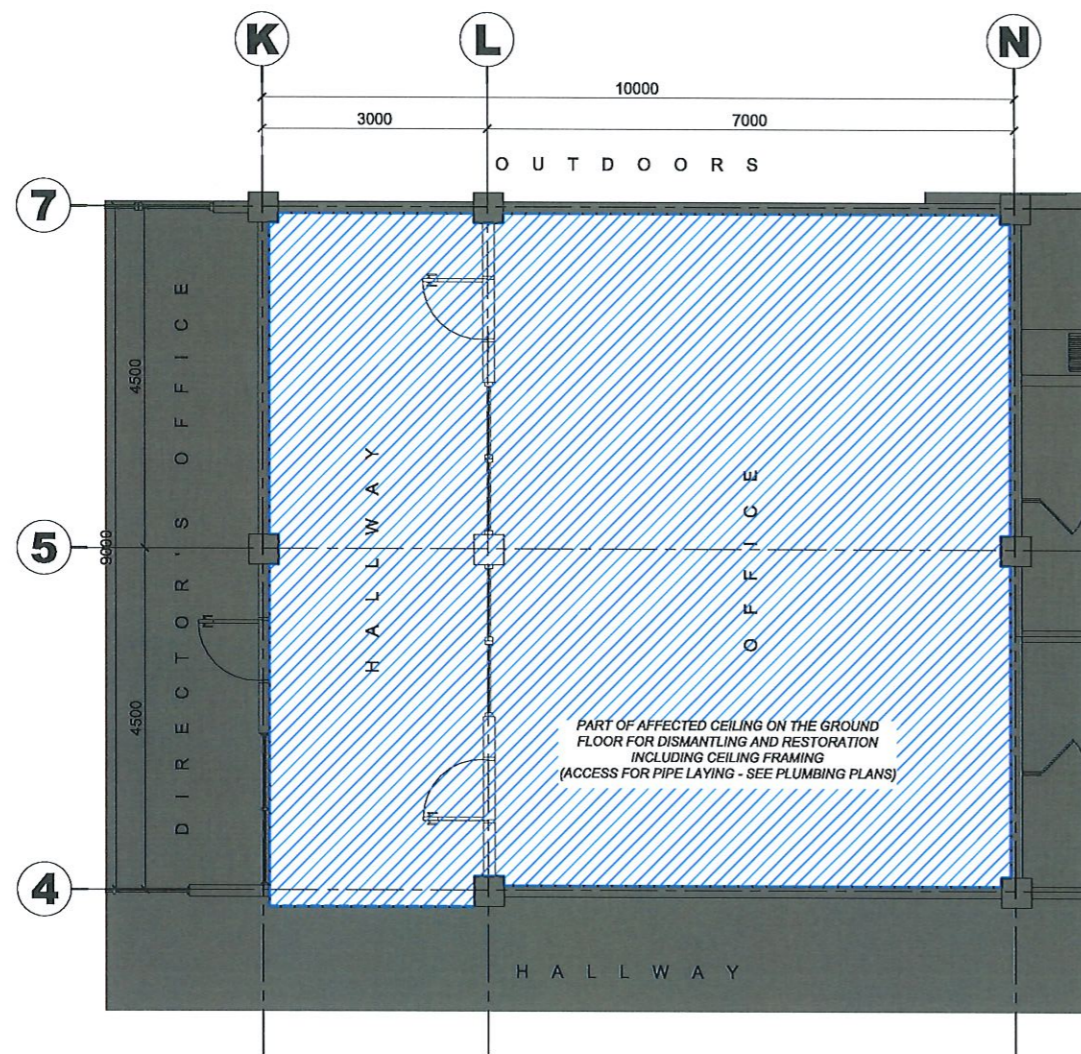
DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
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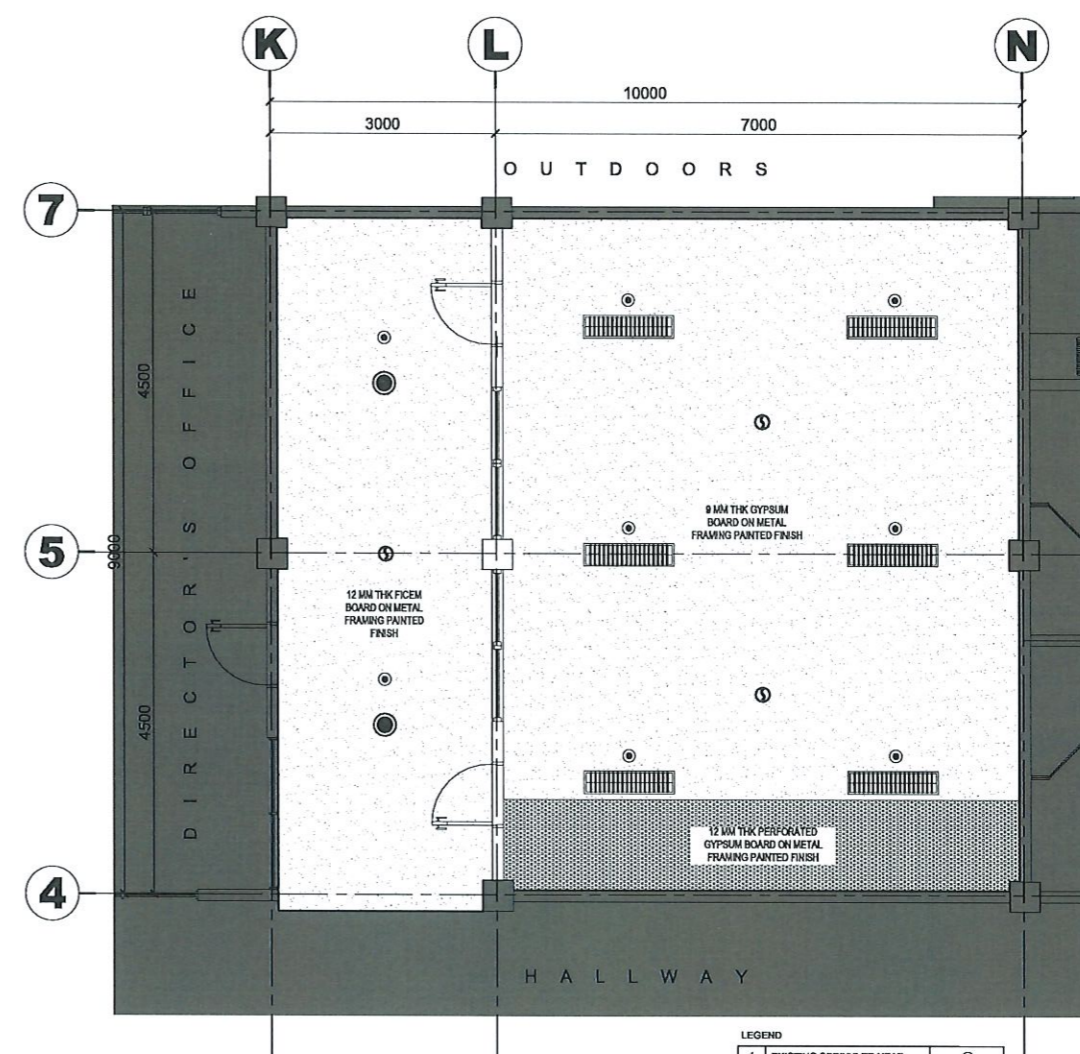
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18/51

DATE: NOVEMBER 2024



EXISTING GROUND FLOOR PLAN
AFFECTED CEILING PLAN
 1:100 MTS



LEGEND

1	EXISTING SPRINKLER HEAD	
2	EXISTING SMOKE DETECTOR	
3	EXISTING PIN LIGHT LIGHTING FIXTURE	
4	EXISTING LOUVERED LIGHTING FIXTURE	

EXISTING GROUND FLOOR PLAN
CEILING RESTORATION PLAN
 1:100 MTS



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

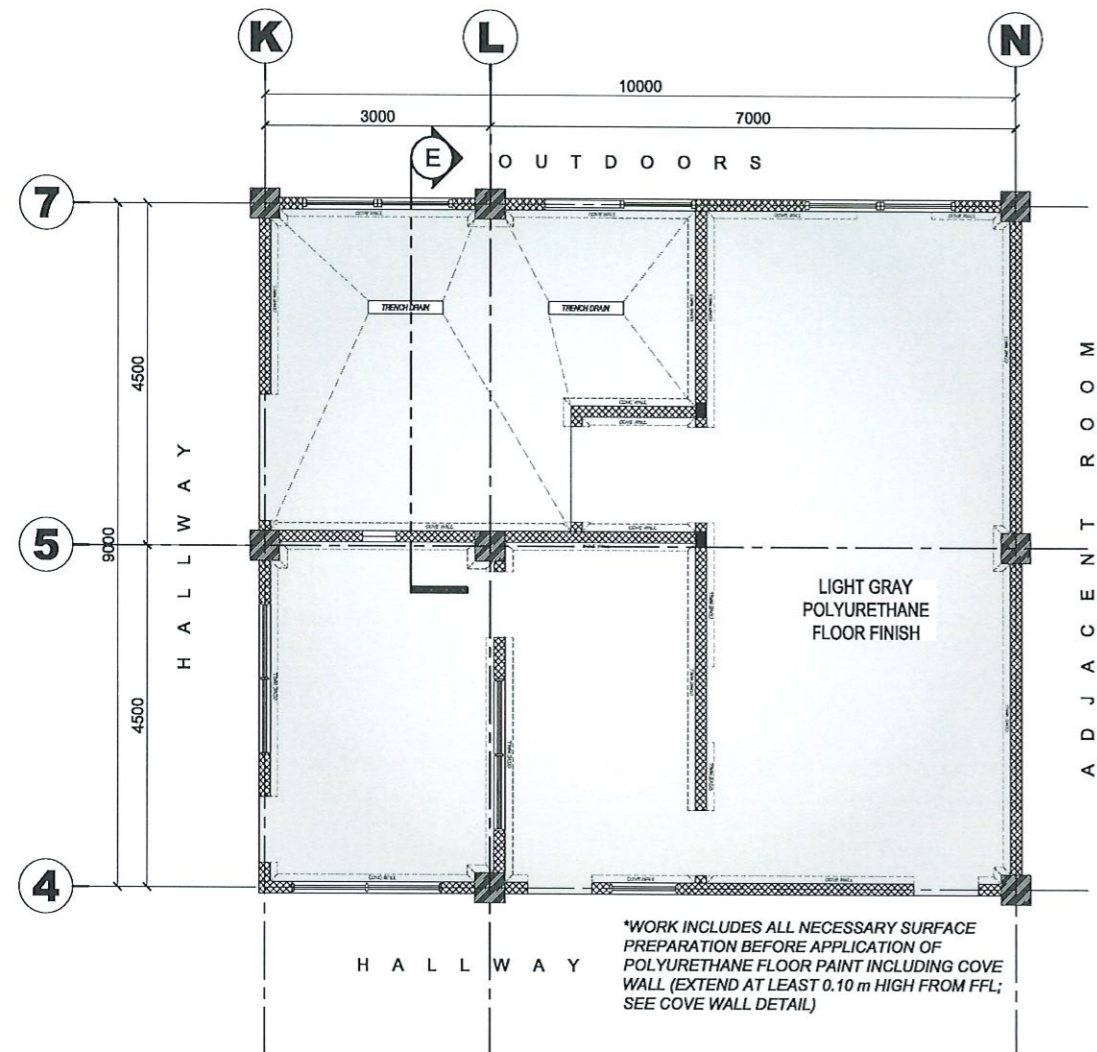
APPROVED:

 DR. ARNOLD E. VELASCO
 PRESIDENT

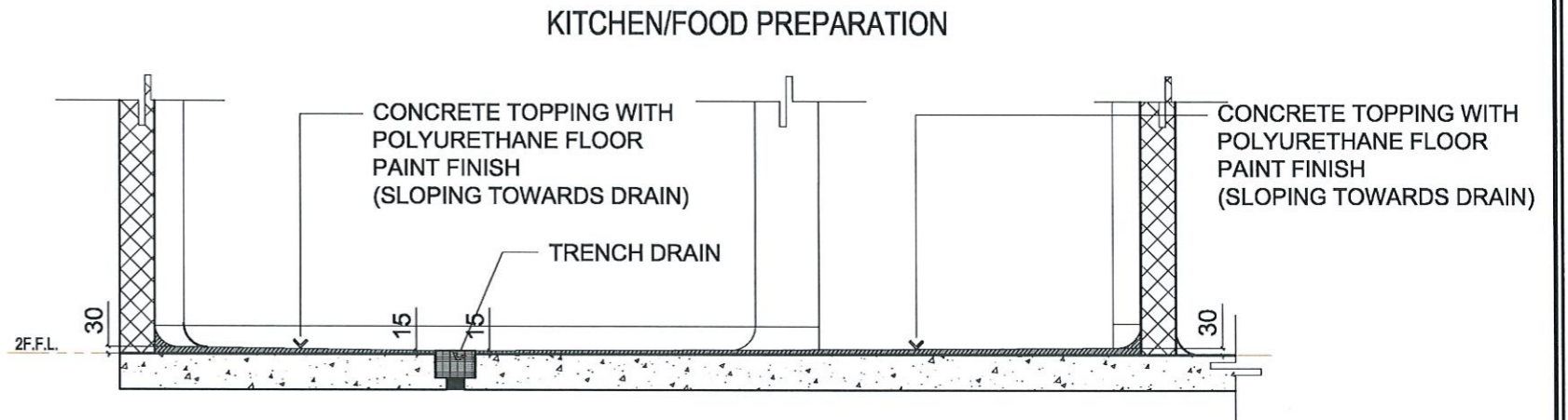
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DATE: NOVEMBER 2024

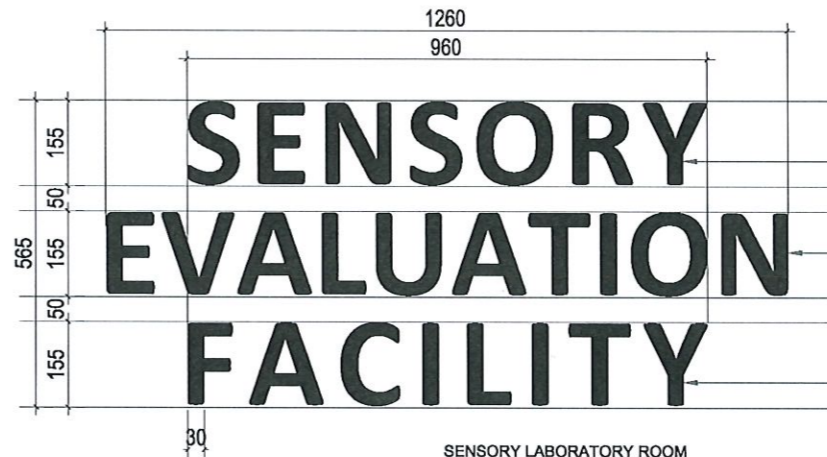
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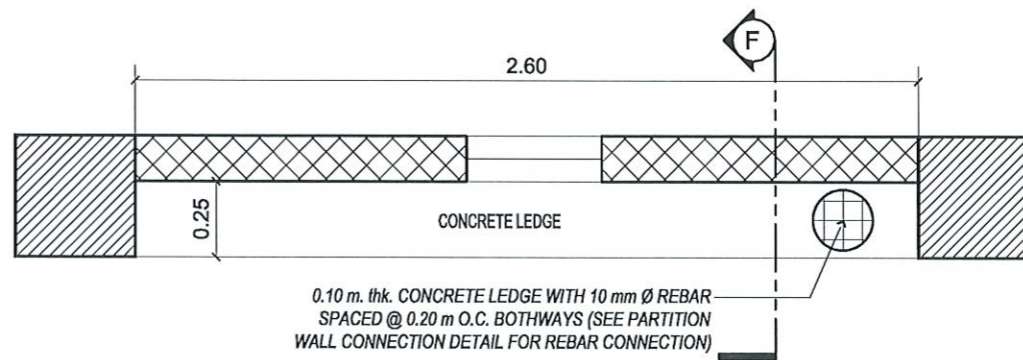
SENSORY LABORATORY ROOM
PROPOSED FLOOR FINISH PLAN
1:100 MTS



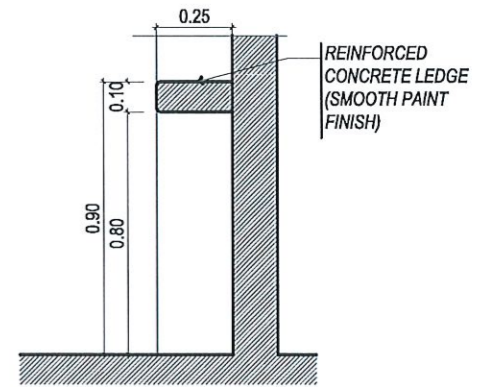
SENSORY LABORATORY ROOM
SECTION THRU "E"
1:30 MTS



SENSORY LABORATORY ROOM
SIGNAGE DETAILS
NTS



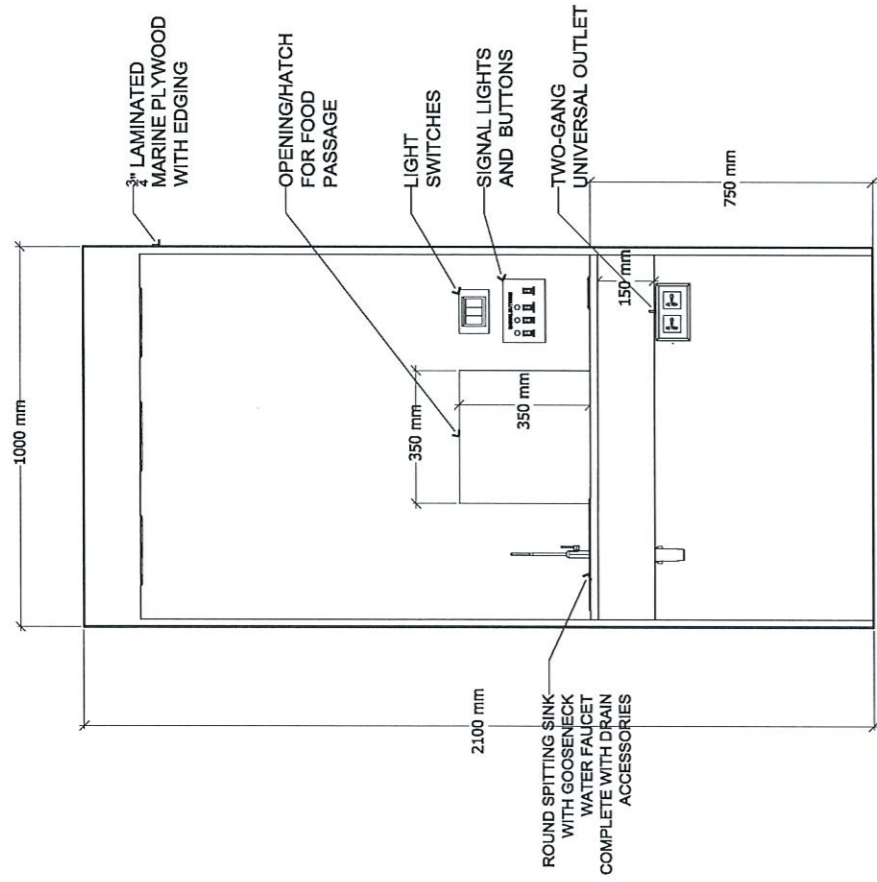
PLAN



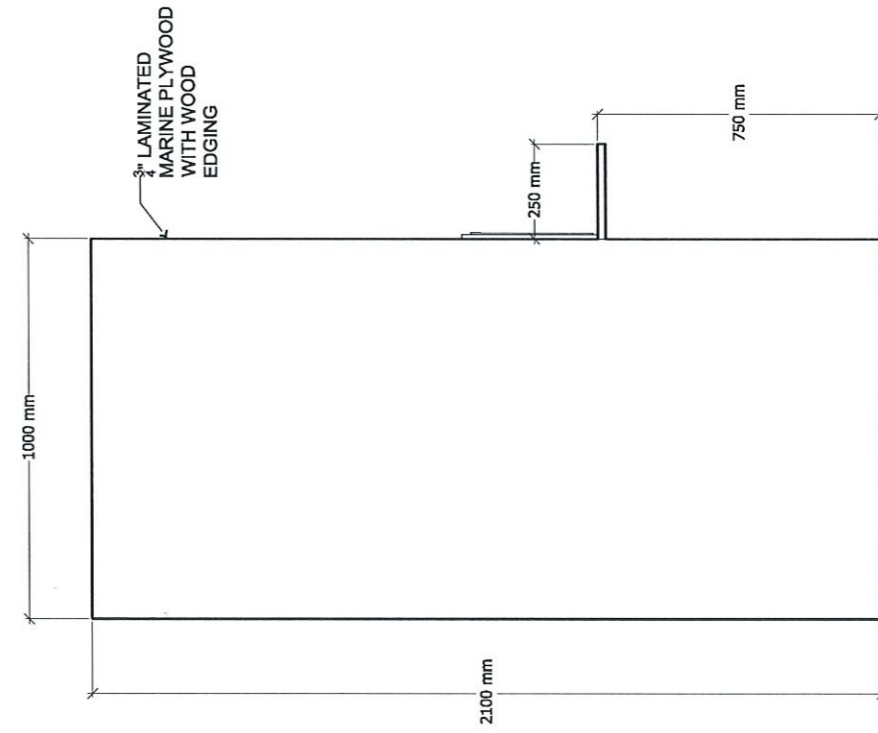
SECTION THRU "F"

SENSORY LABORATORY ROOM
CONCRETE LEDGE DETAILS
SCALE: 100:25

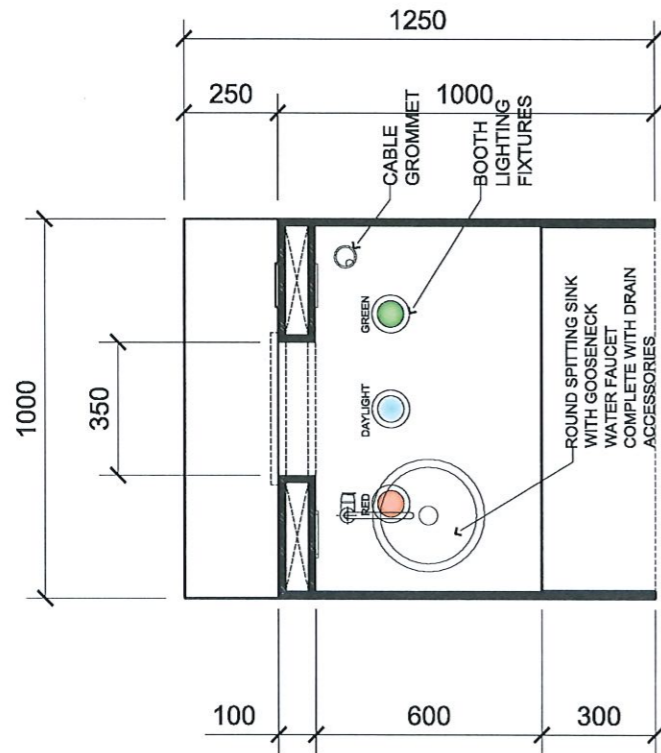
<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT				DR. LEAH T. MATIAS	ATTY. WILMARK J. RAMOS, DBA	DR. ARNOLD E. VELASCO	AS SHOWN	A-20
	LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. PAUL Q. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-POU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEAH T. MATIAS DIRECTOR, CFTR	ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	DATE: NOVEMBER 2024	20/51



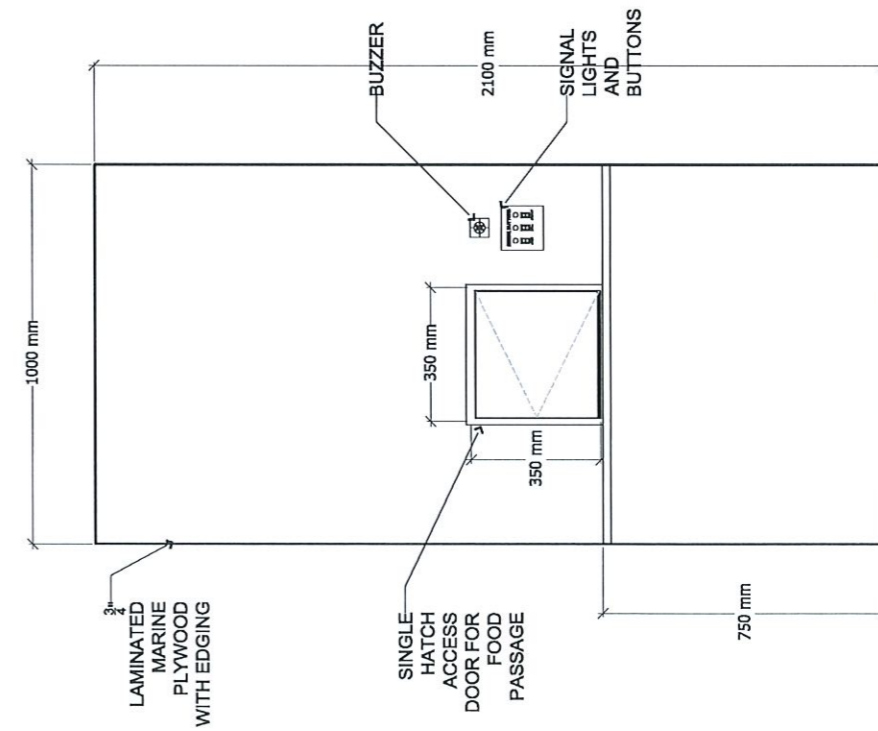
MODULAR SENSORY BOOTH
FRONT ELEVATION
1:20 MTS



MODULAR SENSORY BOOTH
SIDE ELEVATION
1:20 MTS



MODULAR SENSORY BOOTH
PLAN VIEW
1:20 MTS



MODULAR SENSORY BOOTH
REAR ELEVATION
1:20 MTS



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

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

CHECKED BY:
Cherry L. Fabianes
AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:
Arden M. Guieb
AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:
Leah T. Matias
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
Wilmars J. Ramos
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

APPROVED:
Arnold E. Velasco
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

DATE: NOVEMBER 2024

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A-21

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21/51






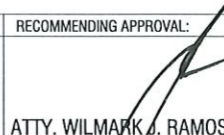



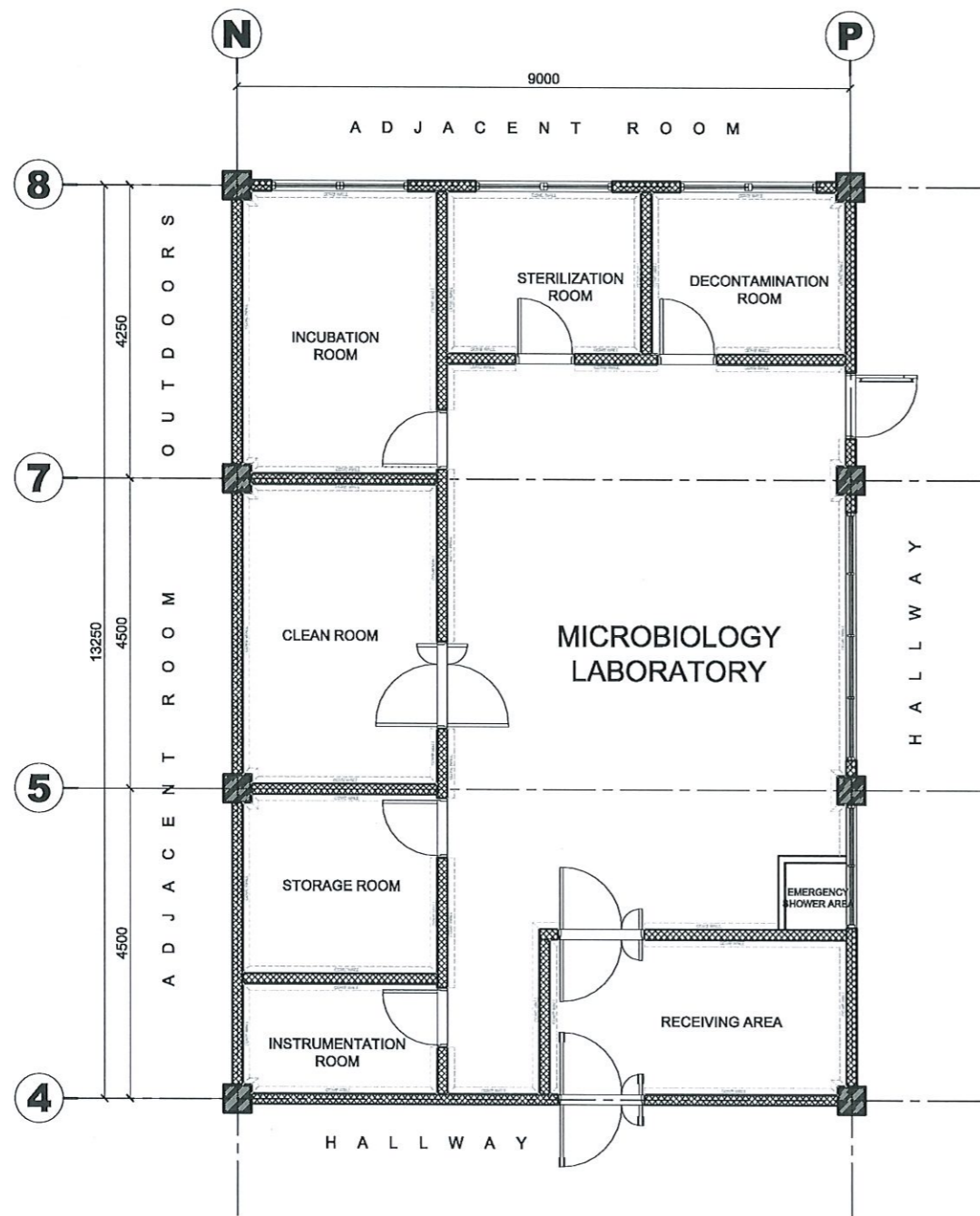
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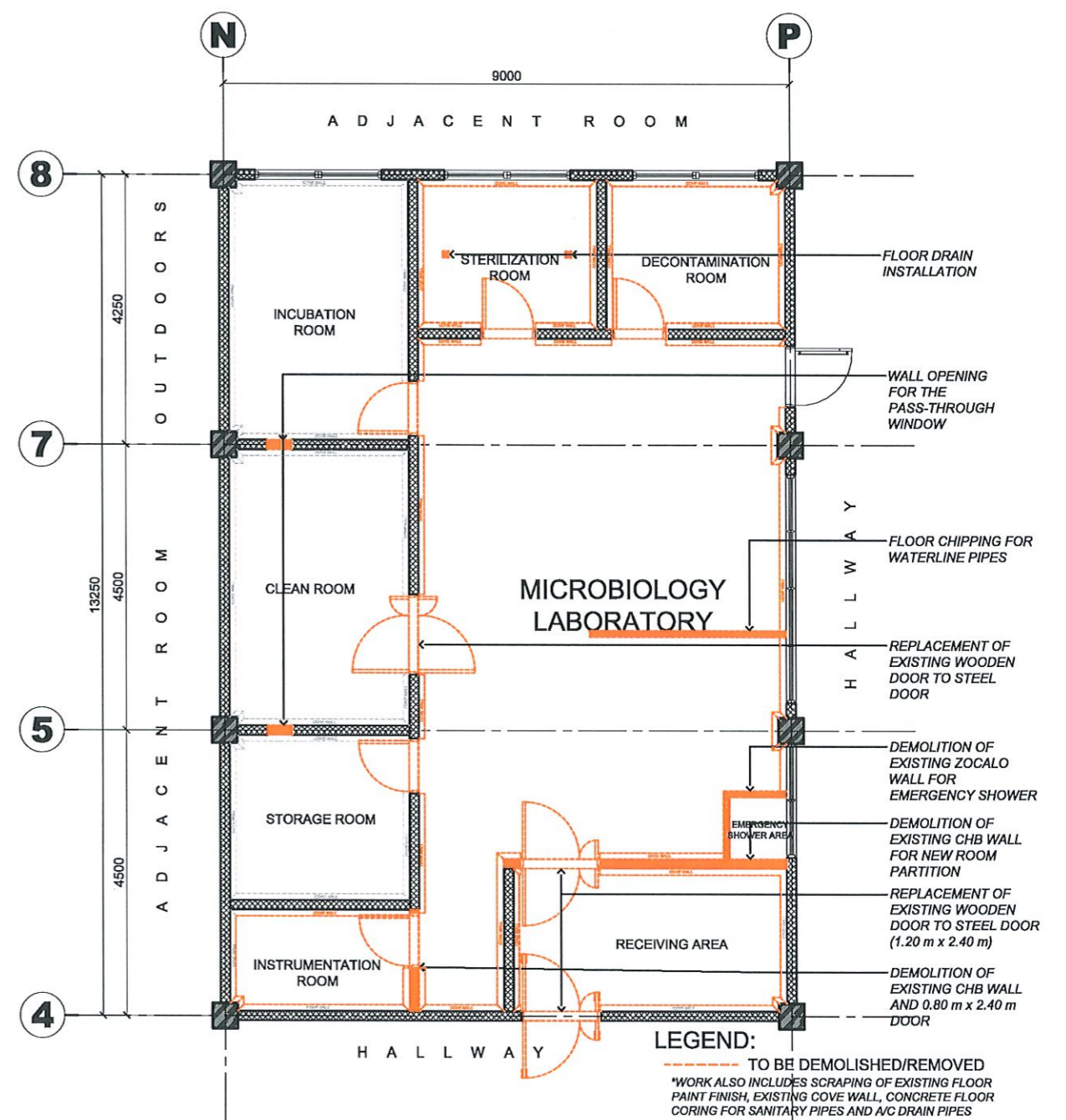
I S O L A T I O N R O O M

M I C R O B I O L O G Y L A B O R A T O R Y R O O M
P E R S P E C T I V E V I E W S

 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO:
	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT							AS SHOWN	A-23
	PROJECT LOCATION:	AR. PAUL A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEAH T. MATIAS DIRECTOR, CFTR	ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	DATE: NOVEMBER 2024	23/51



MICROBIOLOGY LABORATORY ROOM
EXISTING FLOOR PLAN
 1:100 MTS



MICROBIOLOGY LABORATORY ROOM
DEMOLITION PLAN
 1:100 MTS



TARLAC STATE UNIVERSITY
 Facilities Development and Management Office
 Romulo Boulevard, Tarlac City, Philippines 2100

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

 ATTY. WILMARK J. RAMOS, DBA
 FOR ADMINISTRATION

APPROVED:

 DR. ARNOLD E. VELASCO
 PRESIDENT



SHEET CONTENTS:
 AS SHOWN

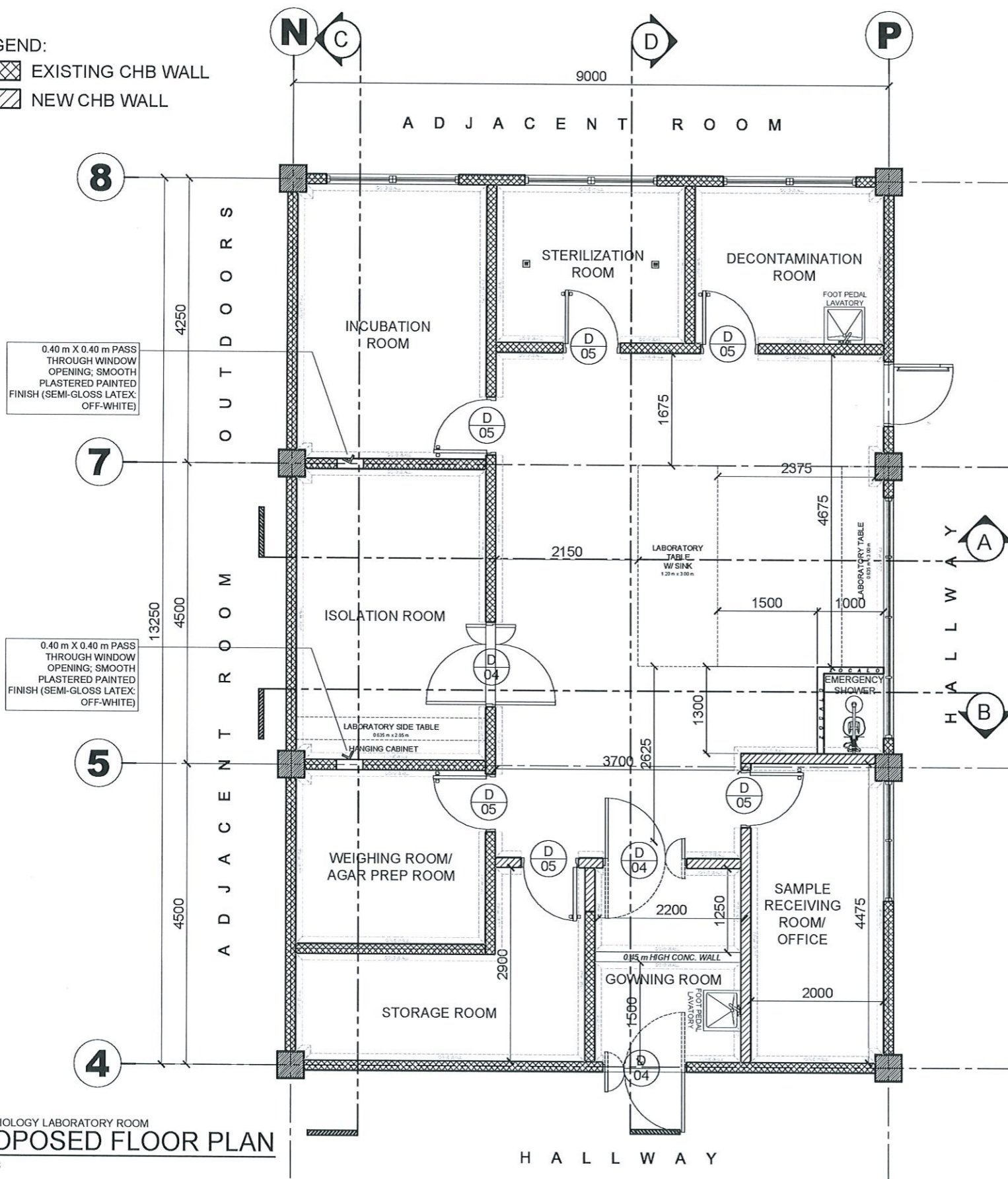
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DATE: NOVEMBER 2024

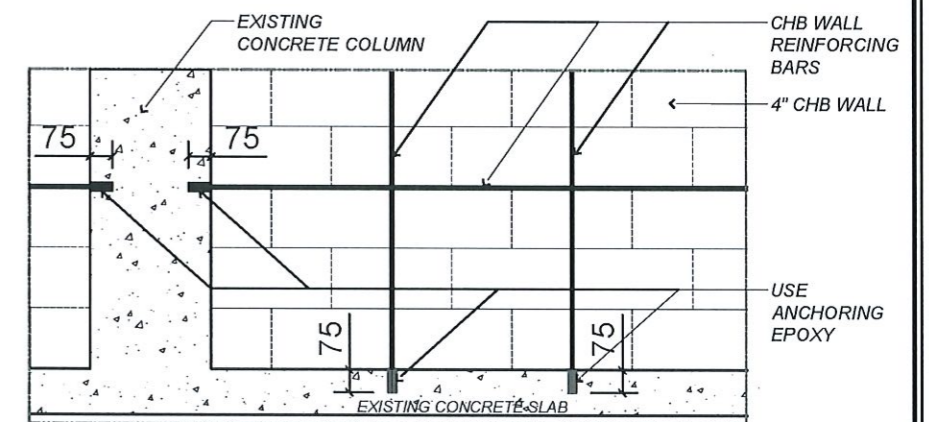
LEGEND:

-  EXISTING CHB WALL
-  NEW CHB WALL



SCOPE OF WORKS:

- DEMOLITION AND RESTORATION WORKS
- SCRAPPING OF EXISTING FLOOR PAINT FINISH
- ERECTION OF NEW PARTITION WALLS
- PLASTERING WORKS
- PAINTING WORKS (INCLUDING WALL FACE ALONG HALLWAY)
- INSTALLATION OF NEW DOORS
- FLOOR FINISH PAINTING WORKS (INCLUDING COVE WALL)
- CEILING WORKS
- FURNISHING WORKS
- ELECTRICAL WORKS
- PLUMBING WORKS
- MECHANICAL WORKS



MICROBIOLOGY LABORATORY ROOM
PARTITION WALL CONNECTION DETAIL
1:25 MTS


MICROBIOLOGY LABORATORY ROOM
PROPOSED FLOOR PLAN
1:75 MTS





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


PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT


PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY


PREPARED BY:

AR. PAULO A. DOCTOR, RMP
ARCHITECT/MECHANICAL PLUMBER, OFDM-PDU

CHECKED BY:

AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

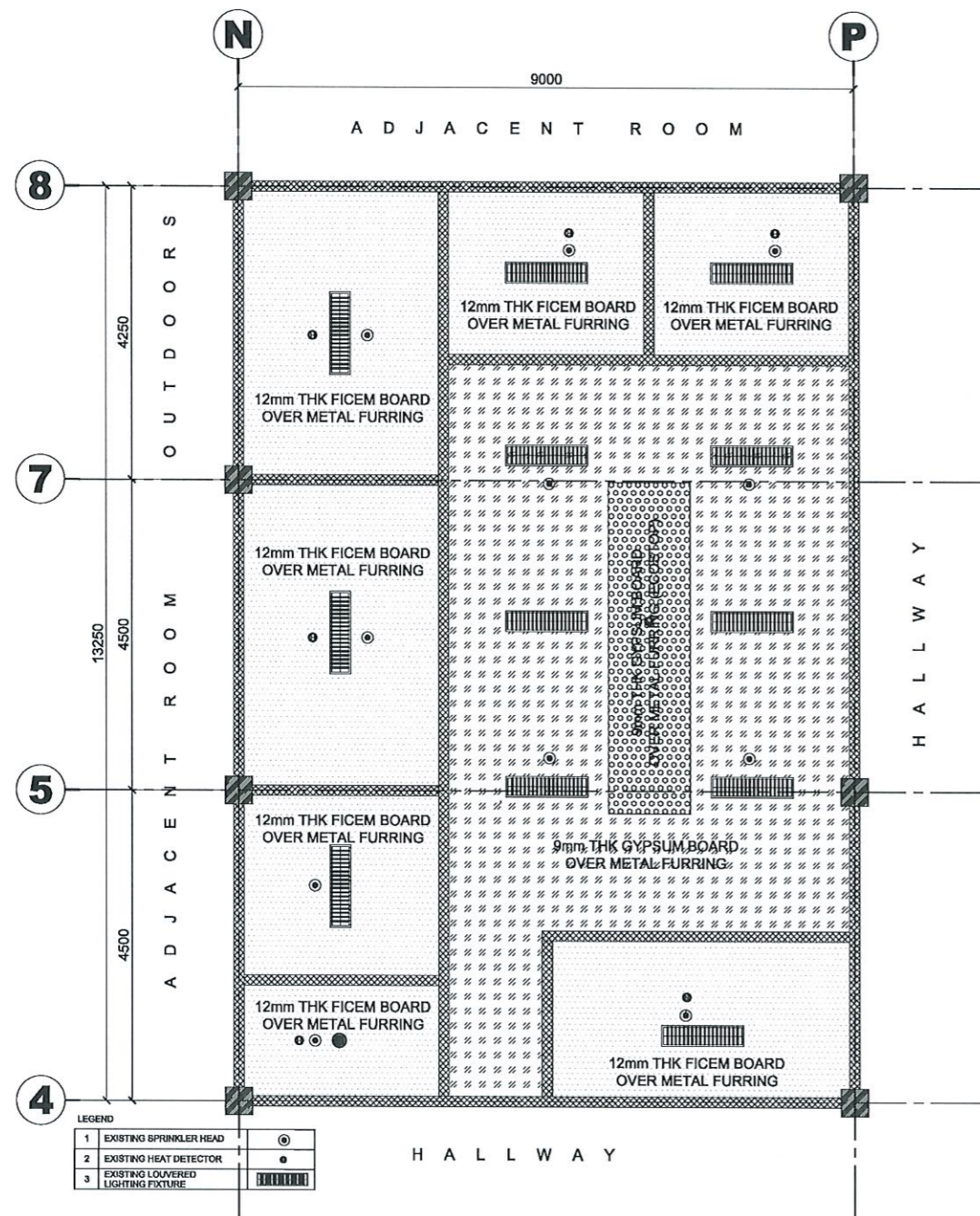
APPROVED:

DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

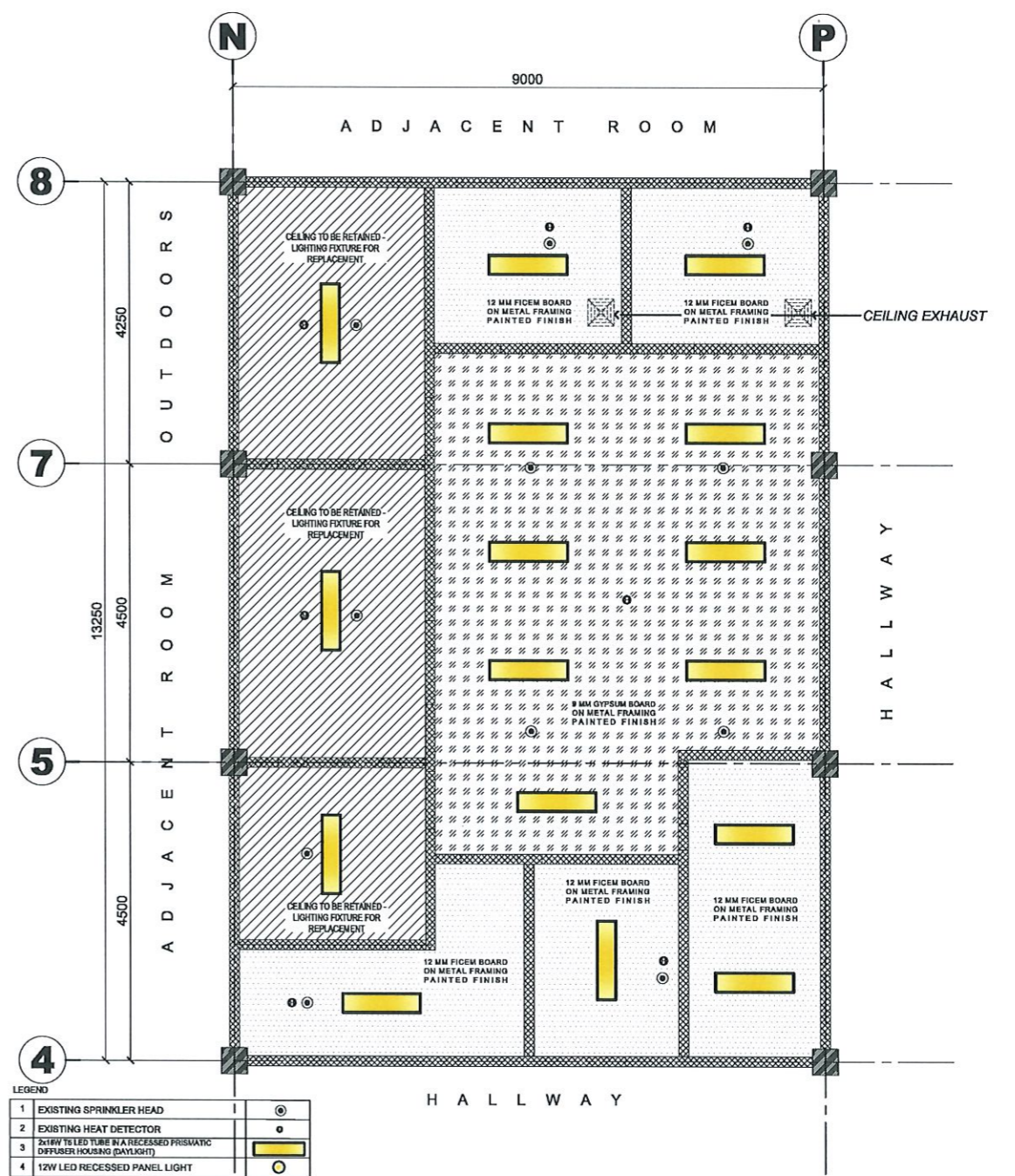
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25/51

DATE: NOVEMBER 2024



MICROBIOLOGY LABORATORY ROOM
EXISTING REFLECTED CEILING PLAN
 1:100 MTS



MICROBIOLOGY LABORATORY ROOM
PROPOSED REFLECTED CEILING PLAN
 1:100 MTS



TARLAC STATE UNIVERSITY
 Facilities Development and
 Management Office
 Romulo Boulevard, Tarlac City, Philippines 2100

PROJECT TITLE:
**REFURBISHMENT OF LABORATORIES AT CFTR BUILDING
 WITH SITE DEVELOPMENT**

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

AR. PAULO R. DOCTOR, RMP
 ARCHITECT/MASTER PLUMBER, OFDM-PDU

CHECKED BY:

AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

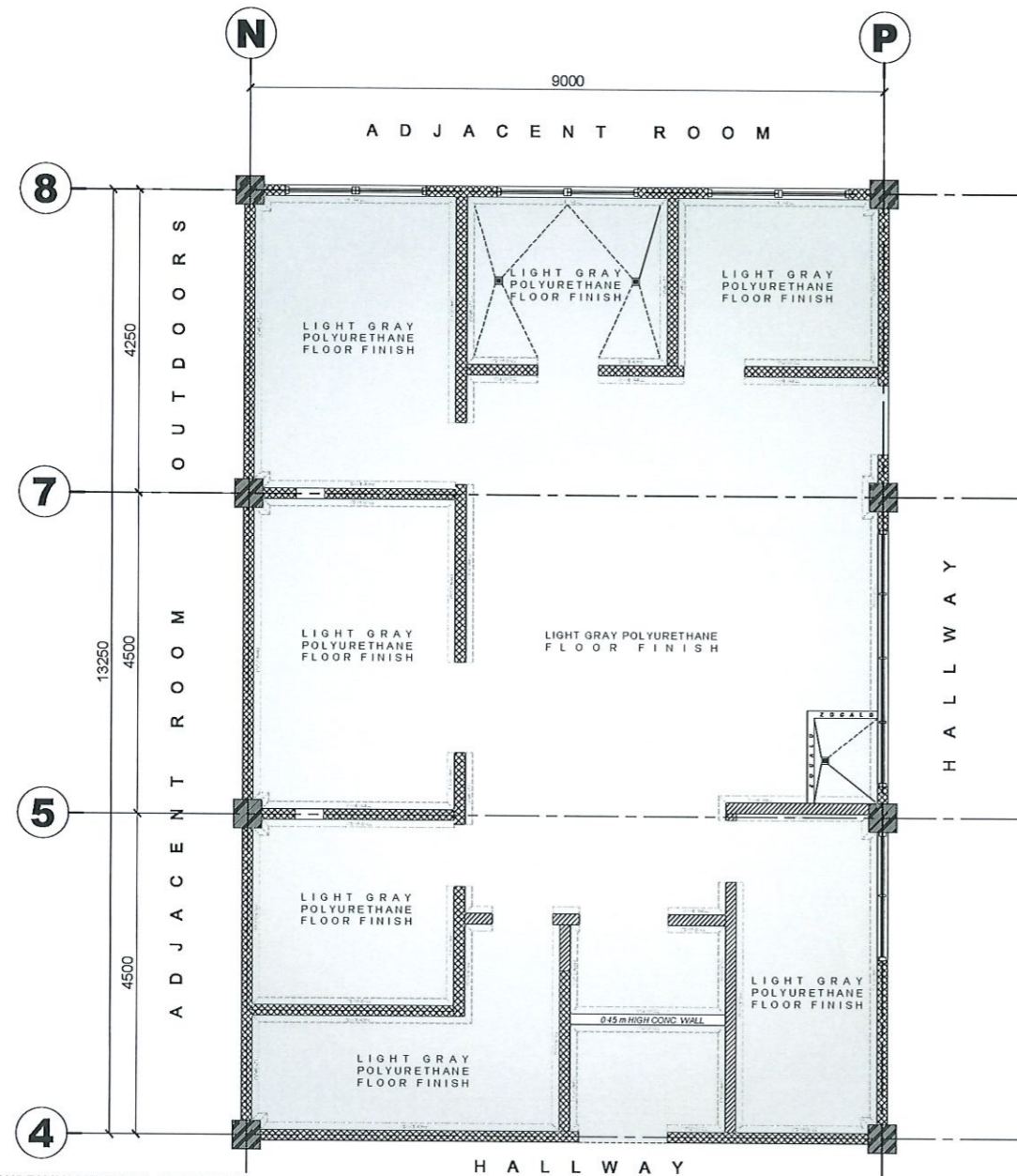
APPROVED:

DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
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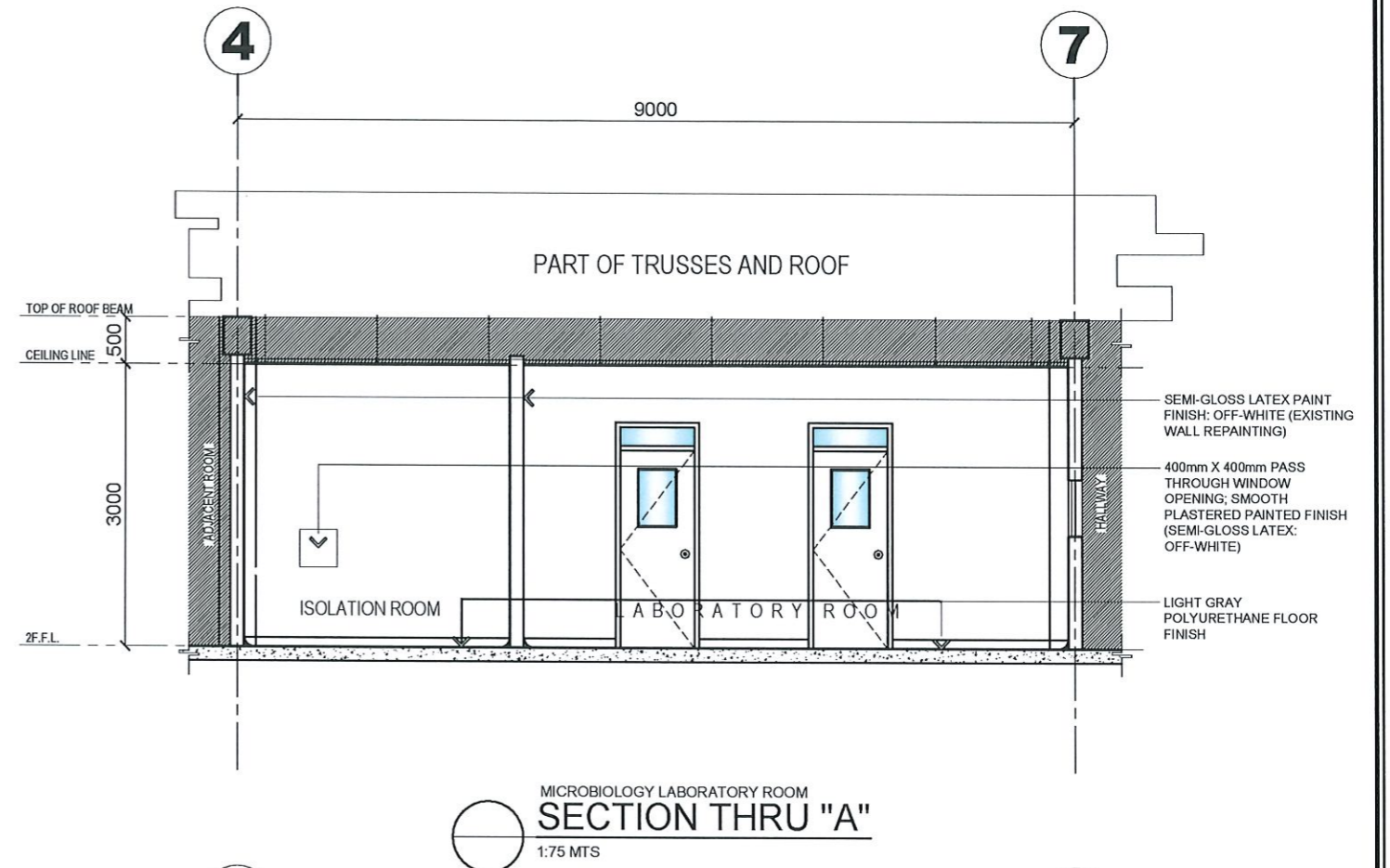
DATE: NOVEMBER 2024

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 PAGE NO:
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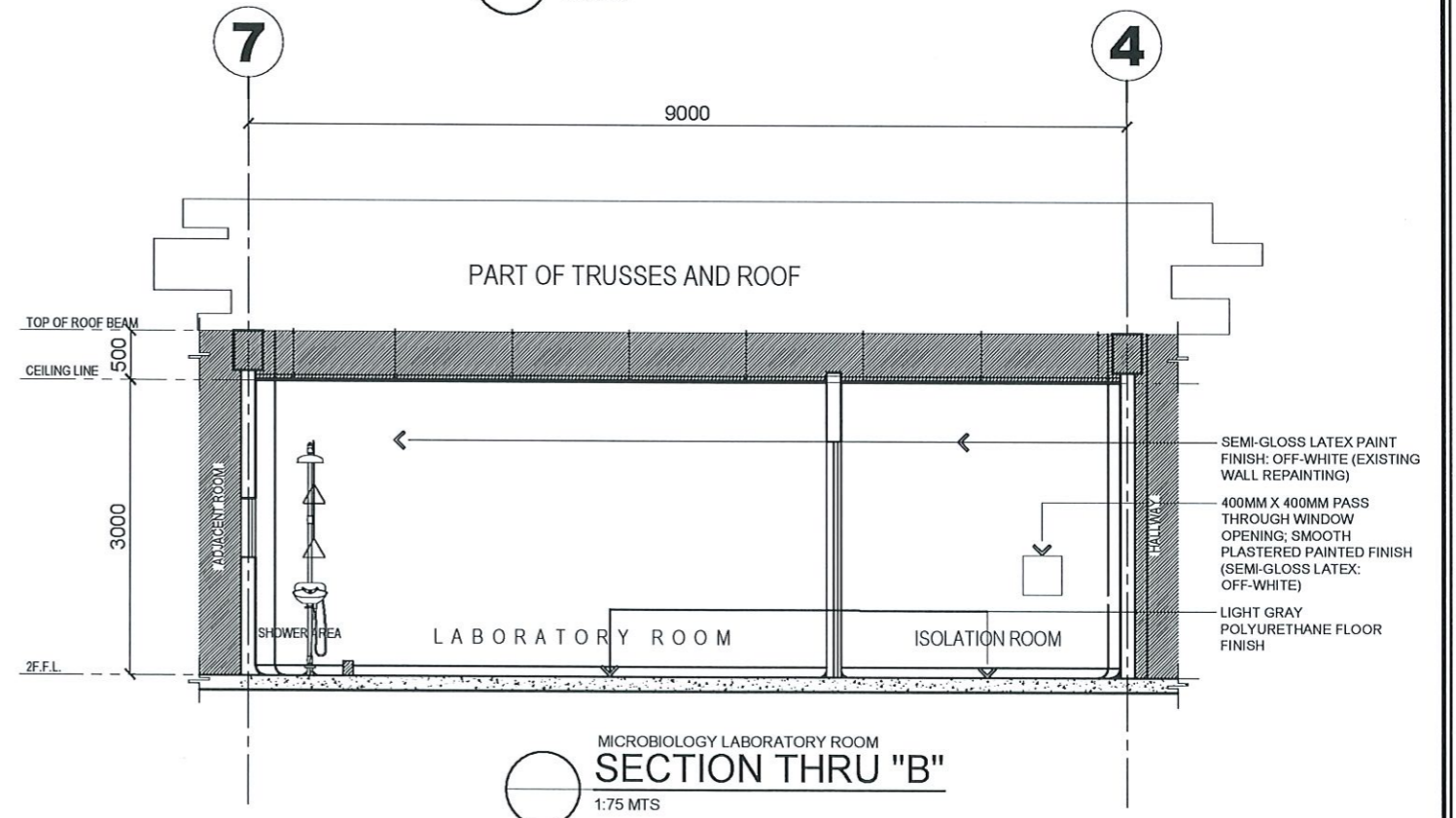


*WORK INCLUDES ALL NECESSARY SURFACE PREPARATION BEFORE APPLICATION OF POLYURETHANE FLOOR PAINT INCLUDING COVE WALL (EXTEND AT LEAST 0.10 m HIGH FROM FFL; SEE COVE WALL DETAIL)

MICROBIOLOGY LABORATORY ROOM
PROPOSED FLOOR FINISH PLAN
 1:100 MTS



MICROBIOLOGY LABORATORY ROOM
SECTION THRU "A"
 1:75 MTS



MICROBIOLOGY LABORATORY ROOM
SECTION THRU "B"
 1:75 MTS



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

PROJECT TITLE:
 REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT
 PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

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

CHECKED BY:
 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

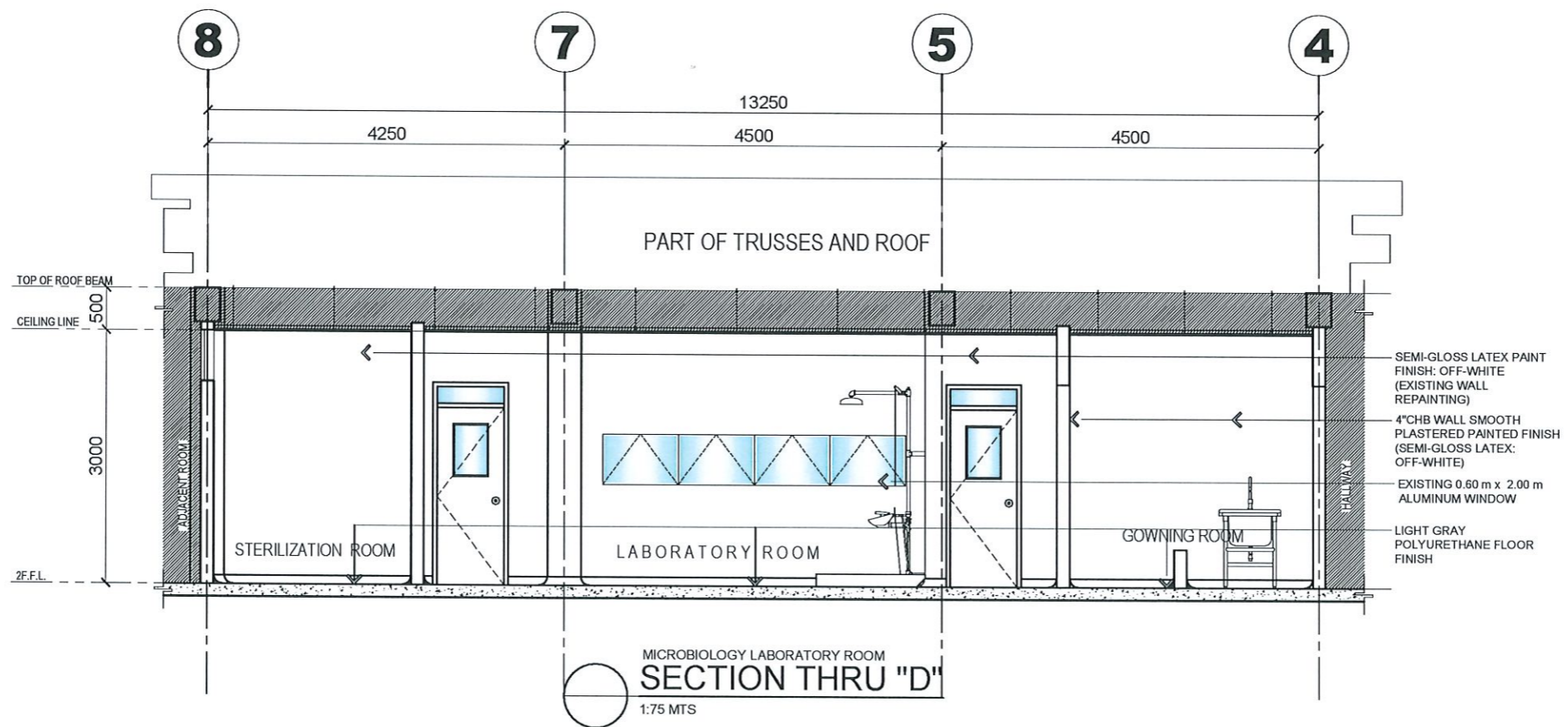
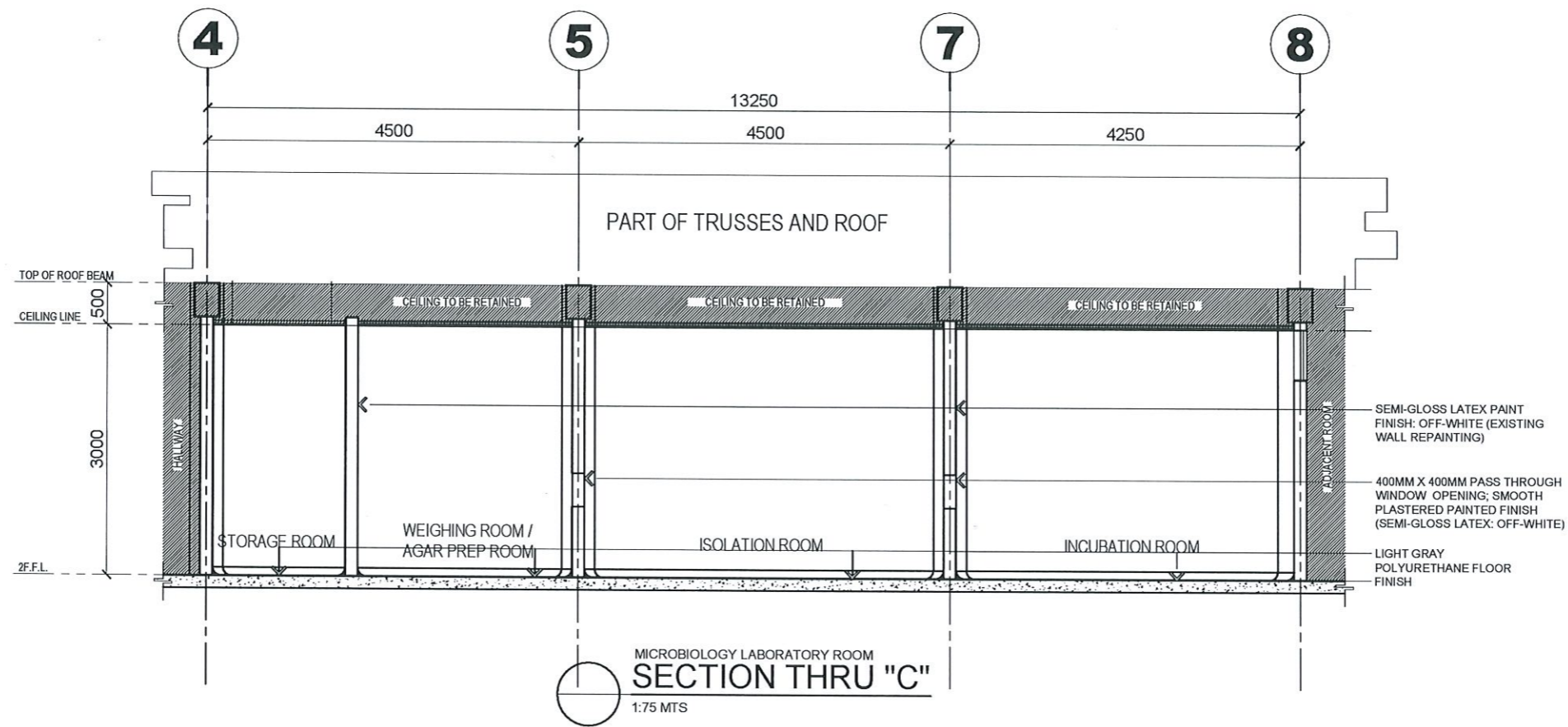
CERTIFIED BY:
 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:
 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:
 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:
 DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN
 SHEET NO:
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 PAGE NO:
 27/51
 DATE: NOVEMBER 2024



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

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

CHECKED BY:
Cherry L. Fabianes
AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

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

REQUESTING OFFICE:
Leah T. Matias
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
Wilmark J. Ramos
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

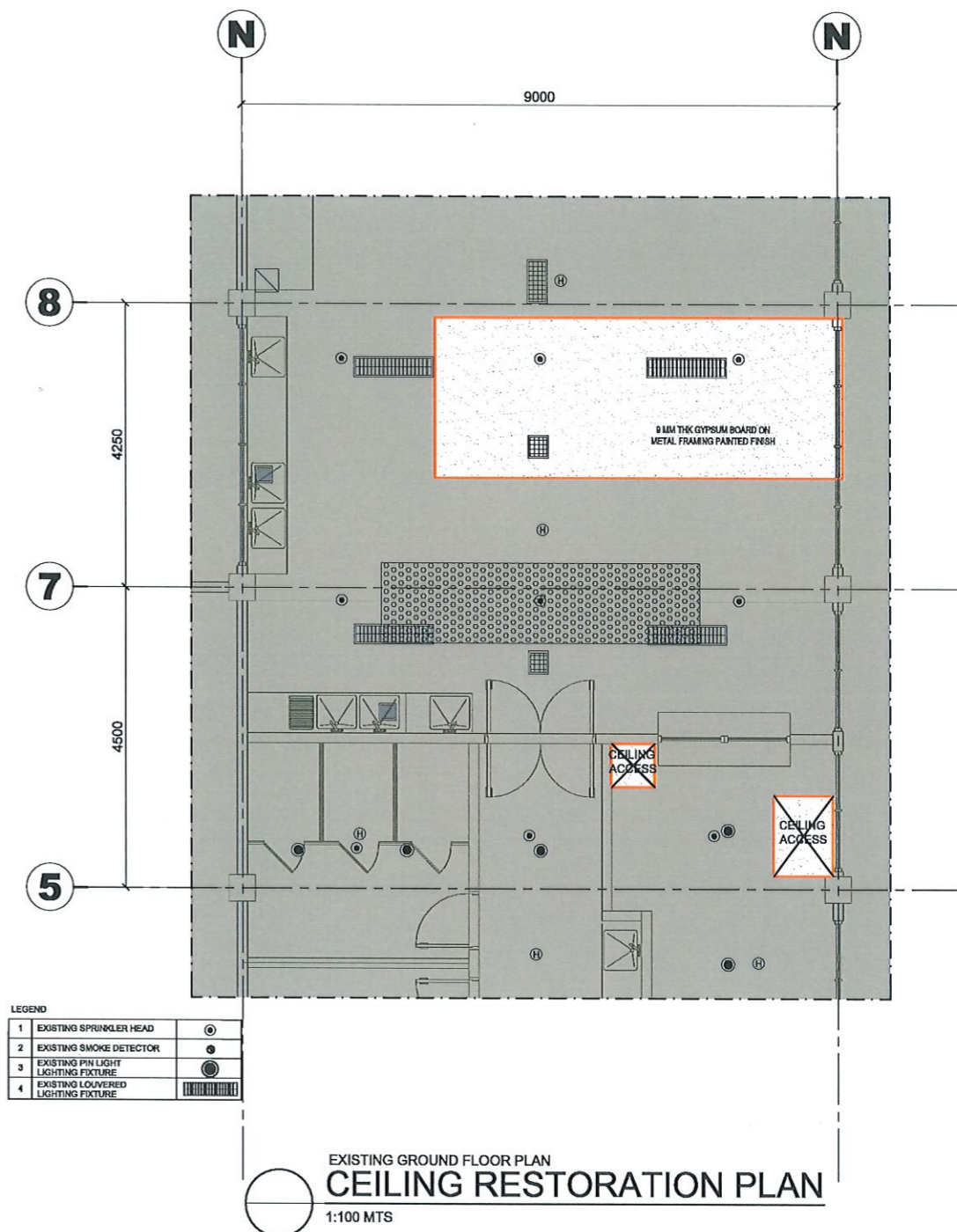
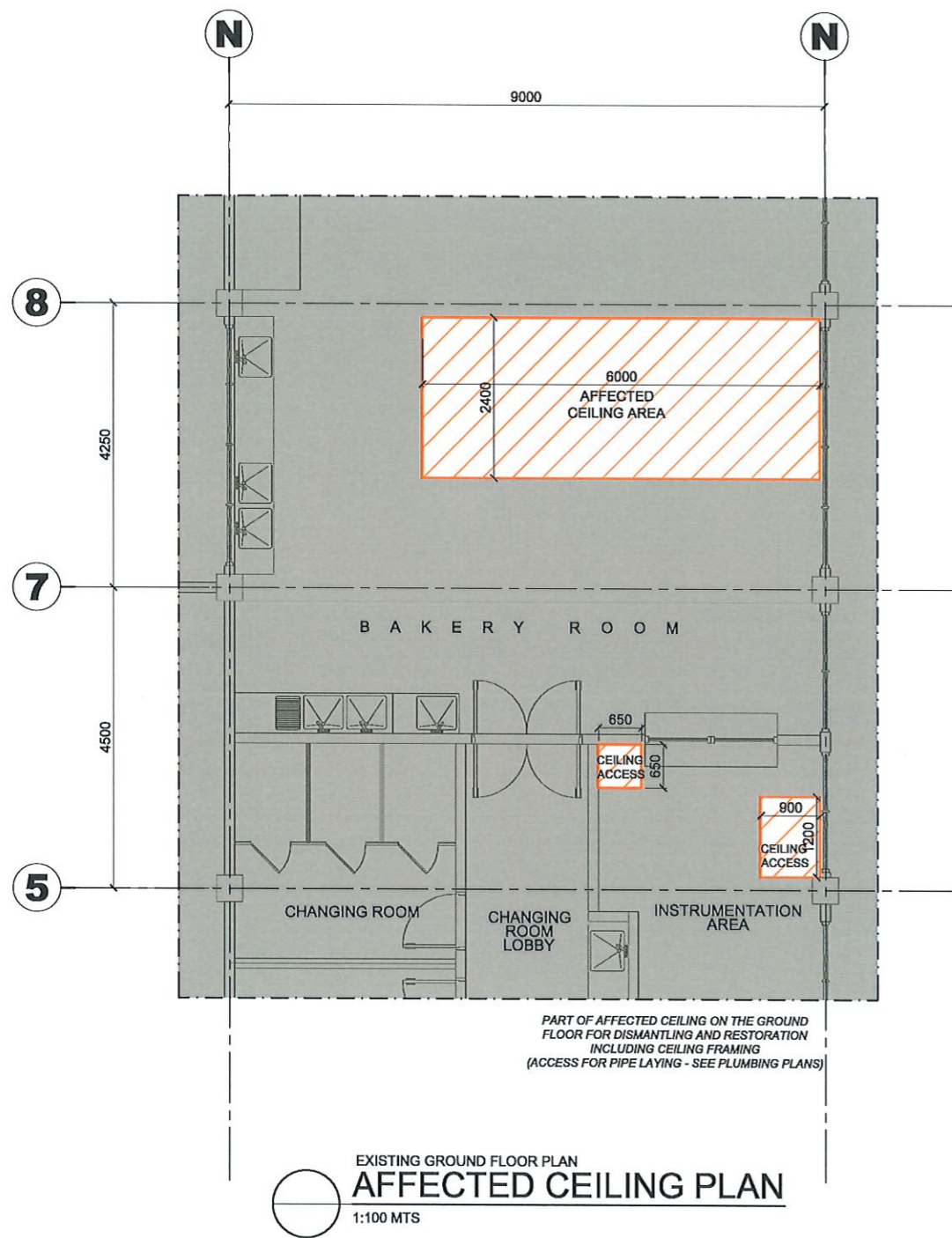
APPROVED:
Arnold E. Velasco
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

SHEET NO:
A-28

PAGE NO:
28/51

DATE: NOVEMBER 2024



TARLAC STATE UNIVERSITY
 Facilities Development and Management Office
 Romulo Boulevard, Tarlac City, Philippines 2100

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN

DATE: NOVEMBER 2024

SHEET NO:
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PAGE NO:
29/51



PHYSICO-CHEMICAL LABORATORY ROOM 1



PHYSICO-CHEMICAL LABORATORY ROOM 2

PHYSICO-CHEMICAL LABORATORY ROOMS
P E R S P E C T I V E V I E W S



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

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REFURBISHMENT OF LABORATORIES AT CFTR BUILDING
WITH SITE DEVELOPMENT
PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

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CERTIFIED BY:

AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:

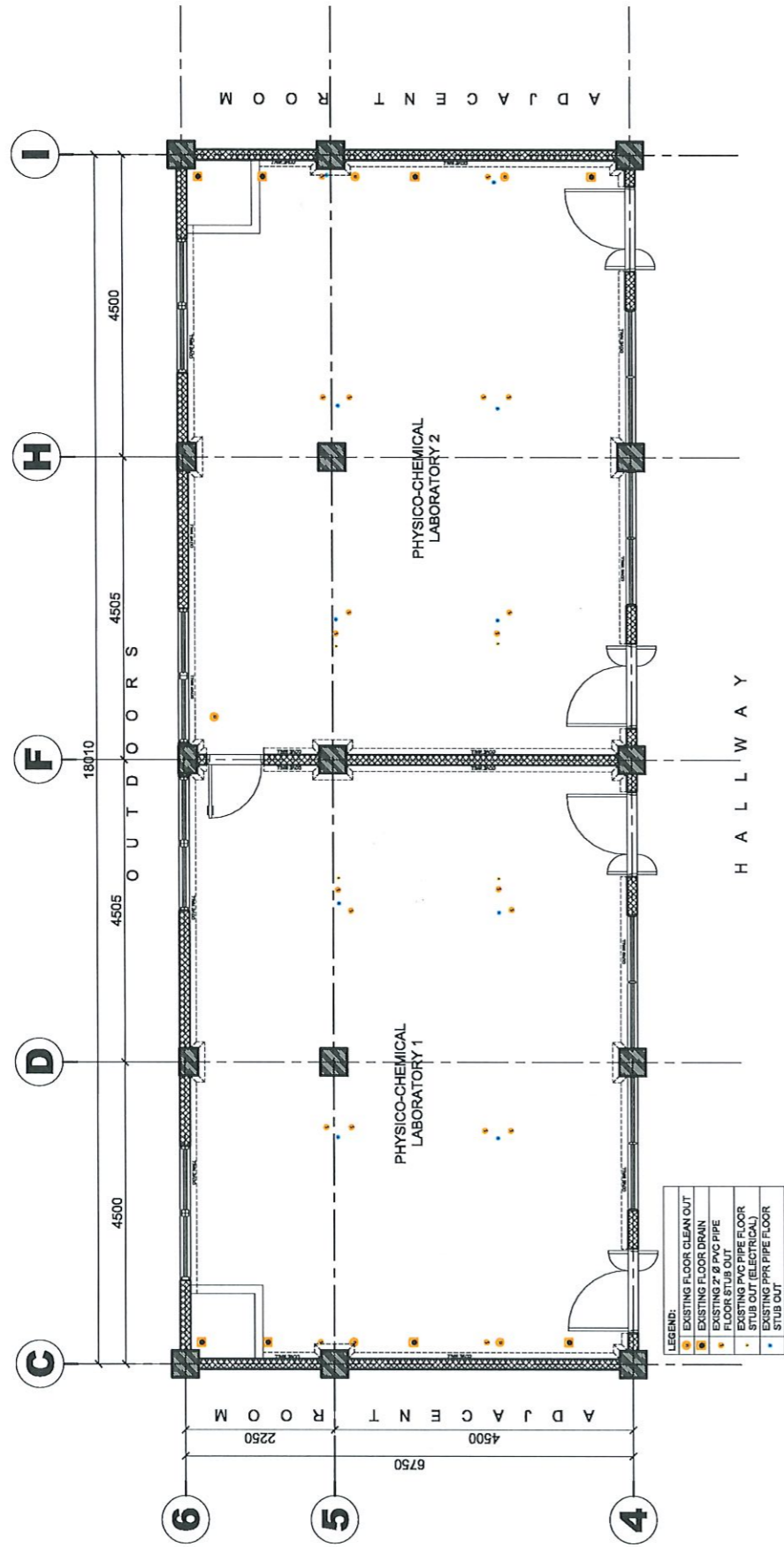
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

APPROVED:

DR. ARNOLD E. VELASCO
PRESIDENT

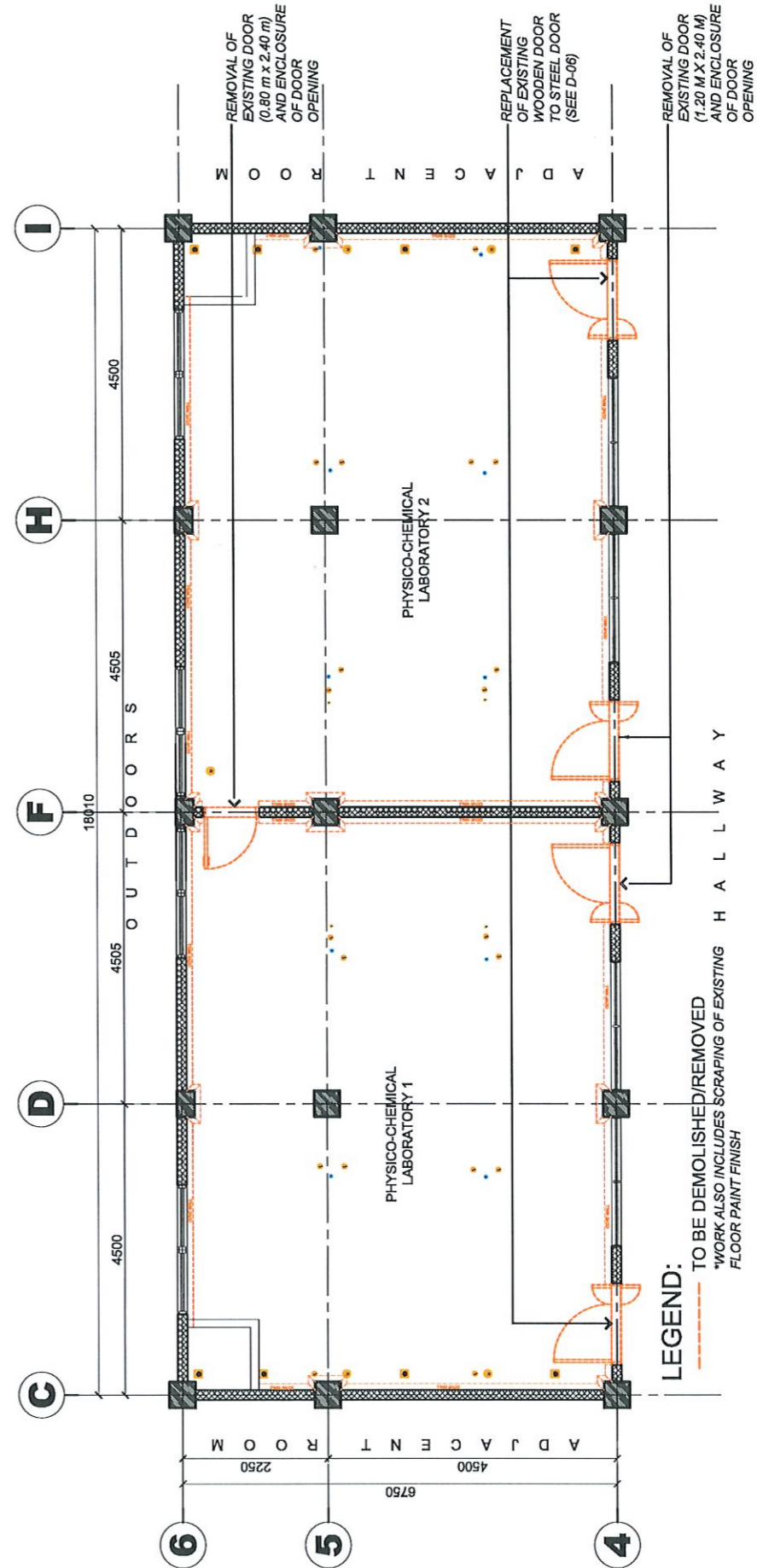
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AS SHOWN
DATE: NOVEMBER 2024

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PHYSICO-CHEMICAL LABORATORY ROOM
EXISTING FLOOR PLAN

1:100 MTS



PHYSICO-CHEMICAL LABORATORY ROOM
DEMOLITION PLAN

1:100 MTS



TARLAC STATE UNIVERSITY
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PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
Ar. Paul A. Doctor
AR. PAUL A. DOCTOR, RMP
ARCHITECT/MASTER PLUMBER, OFDM-POU

CHECKED BY:
Ar. Cherry L. Fabianes
AR. CHERRY L. FABIANES
HEAD, OFDM-POU

CERTIFIED BY:
Ar. Arlen M. Guieb
AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:
Dr. Leah T. Matias
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
Atty. Wilmark J. Ramos
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

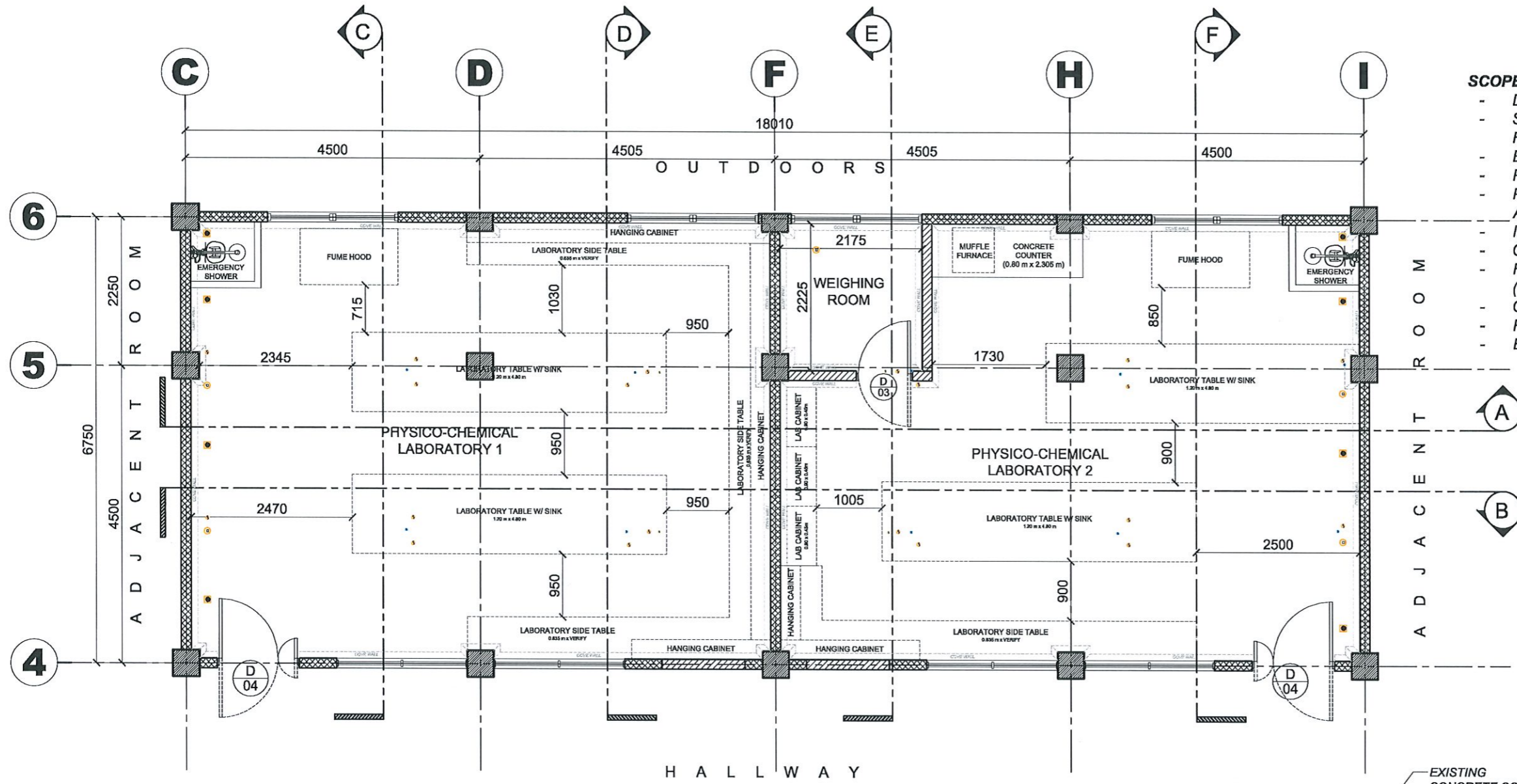
APPROVED:
Dr. Arnold E. Velasco
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

DATE: NOVEMBER 2024

SHEET NO:
A-31

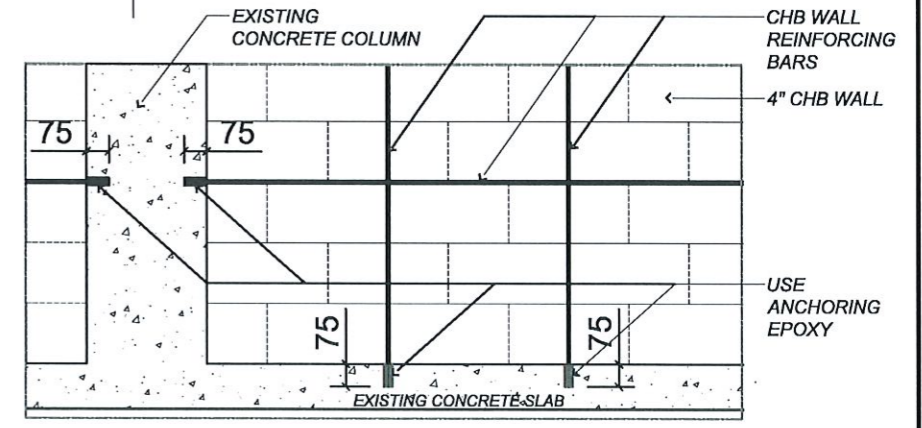
PAGE NO:
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- SCOPE OF WORKS:**
- DEMOLITION AND RESTORATION WORKS
 - SCRAPPING OF EXISTING FLOOR PAINT FINISH
 - ERECTION OF NEW PARTITION WALLS
 - PLASTERING WORKS
 - PAINTING WORKS (INCLUDING WALL FACE ALONG HALLWAY)
 - INSTALLATION NEW DOORS
 - CONCRETE COUNTER WORKS
 - FLOOR FINISH PAINTING WORKS (INCLUDING COVE WALL)
 - CEILING WORKS
 - FURNISHING WORKS
 - ELECTRICAL WORKS

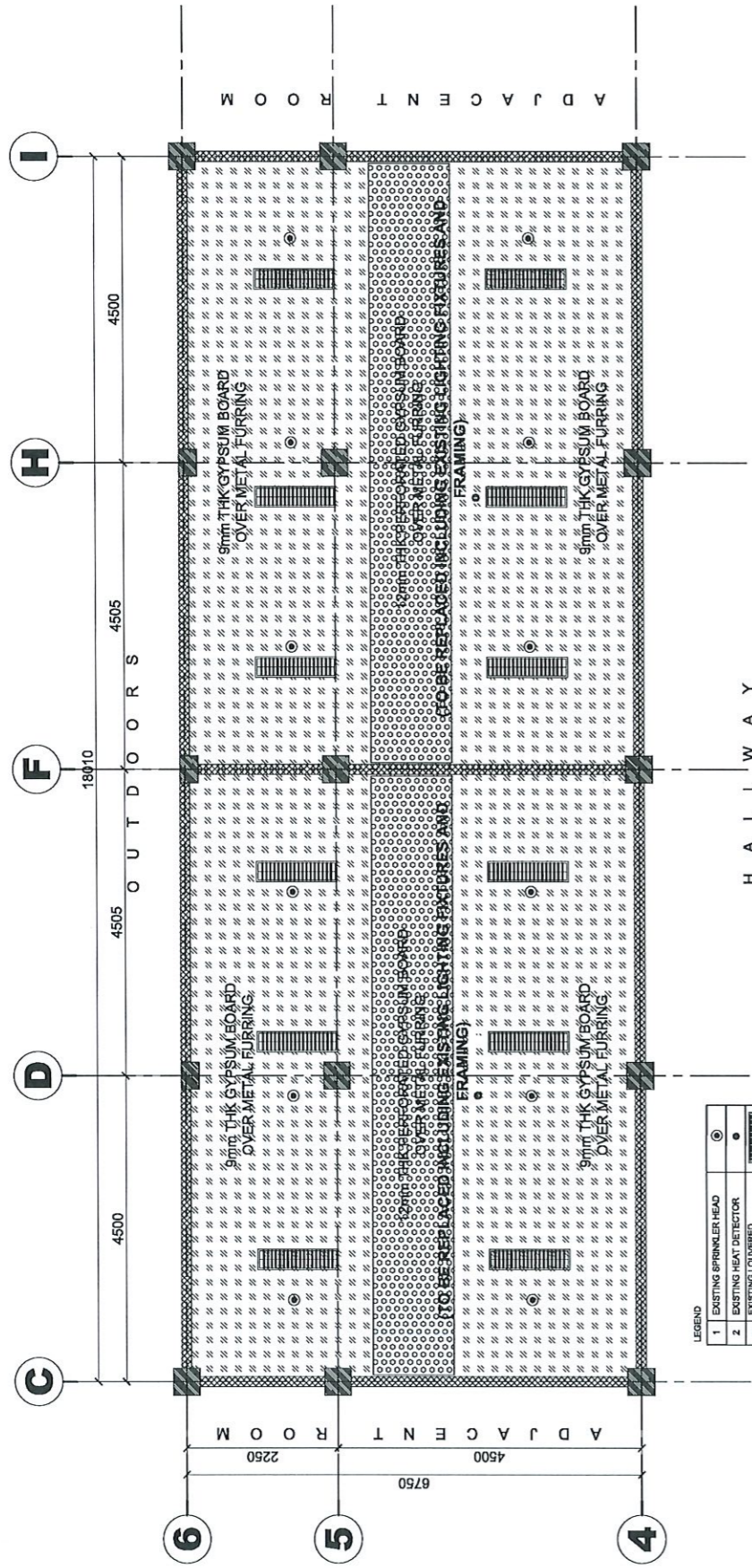
- LEGEND:**
- EXISTING CHB WALL
 - NEW CHB WALL

PHYSICO-CHEMICAL LABORATORY ROOM
PROPOSED FLOOR PLAN
 1:75 MTS



MICROBIOLOGY LABORATORY ROOM
PARTITION WALL CONNECTION DETAIL
 1:25 MTS

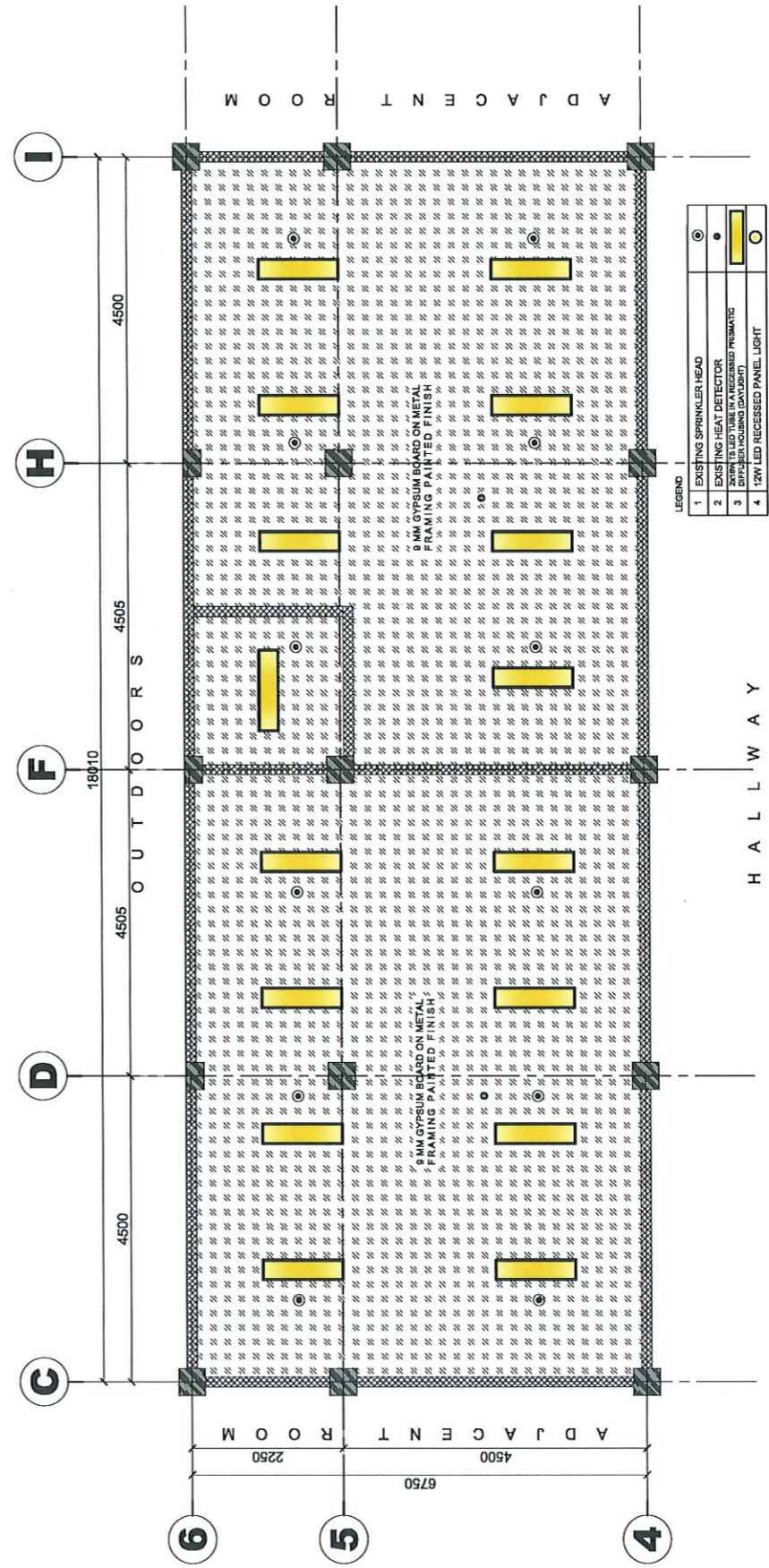
<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Ramulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAUL Q. ROTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-32	
	PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								DATE: NOVEMBER 2024	PAGE NO: 32/51



LEGEND

1	EXISTING SPRINKLER HEAD	⊙
2	EXISTING HEAT DETECTOR	⊕
3	EXISTING LOUVERED LIGHTING FIXTURE	▬

PHYSICO-CHEMICAL LABORATORY ROOM
EXISTING REFLECTED CEILING PLAN
 1:100 MTS



LEGEND

1	EXISTING SPRINKLER HEAD	⊙
2	EXISTING HEAT DETECTOR	⊕
3	LED TUBE IN A RECESSED FRAME	▬
4	1'x1' LED RECESSED PANEL LIGHT	■

PHYSICO-CHEMICAL LABORATORY ROOM
PROPOSED REFLECTED CEILING PLAN
 1:100 MTS



PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

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 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
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CHECKED BY:
AR. CHERRY L. FABIANES
 HEAD, OFDM-POU

CERTIFIED BY:
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REQUESTING OFFICE:
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 DIRECTOR, CFTR

RECOMMENDING APPROVAL:
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 VP FOR ADMINISTRATION

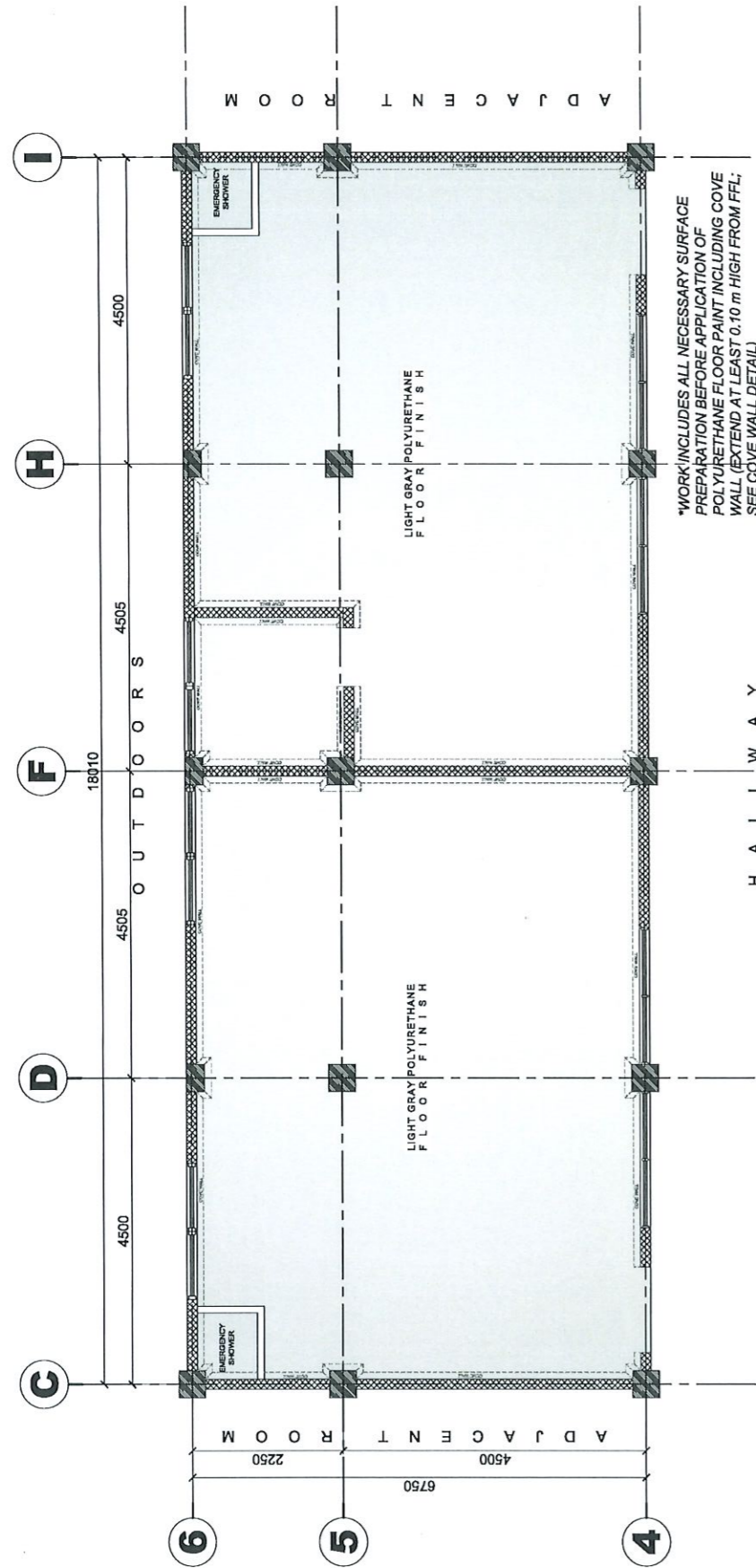
APPROVED:
DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
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DATE: NOVEMBER 2024

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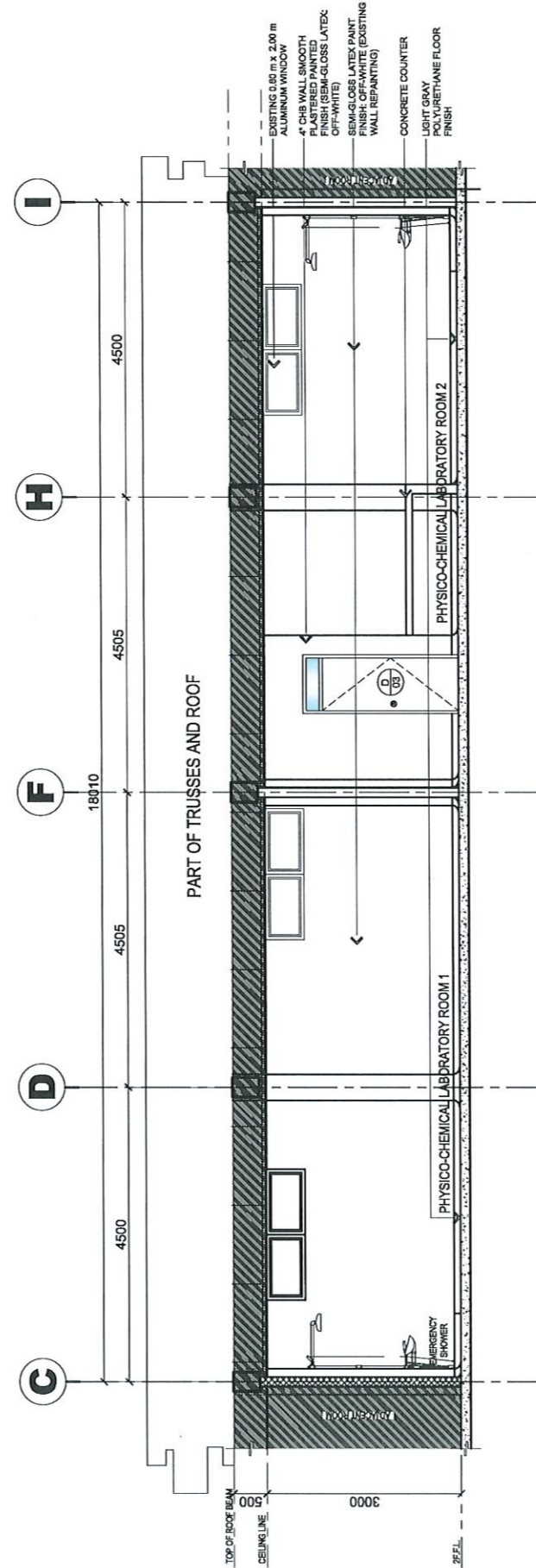
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*WORK INCLUDES ALL NECESSARY SURFACE PREPARATION BEFORE APPLICATION OF POLYURETHANE FLOOR PAINT INCLUDING COVE WALL (EXTEND AT LEAST 0.10 m HIGH FROM FFL; SEE COVE WALL DETAIL)

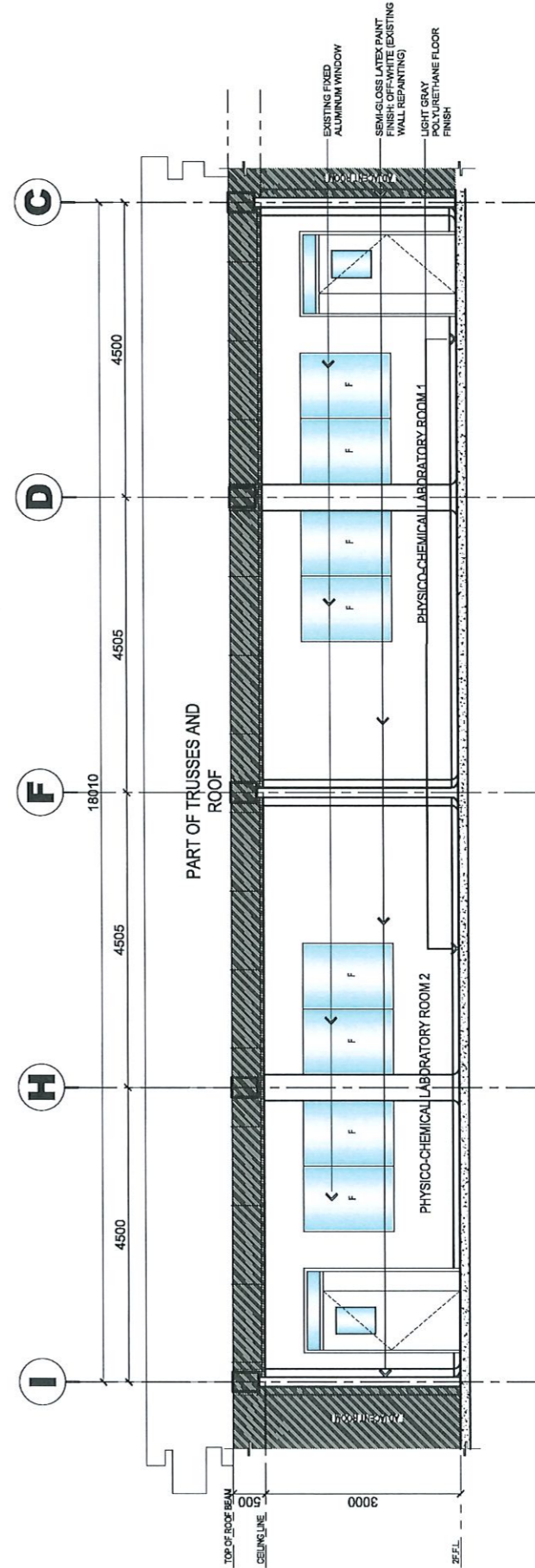
PHYSICO-CHEMICAL LABORATORY ROOM
PROPOSED FLOOR FINISH LAYOUT

1:100 MTS



PHYSICO-CHEMICAL LABORATORY ROOM
SECTION THRU "A"

1:100 MTS



PHYSICO-CHEMICAL LABORATORY ROOM
SECTION THRU "B"

1:100 MTS



TARLAC STATE UNIVERSITY
Facilities Development and Management Office
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CERTIFIED BY:
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AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:
Leah T. Matias
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
Wilmak J. Ramos
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

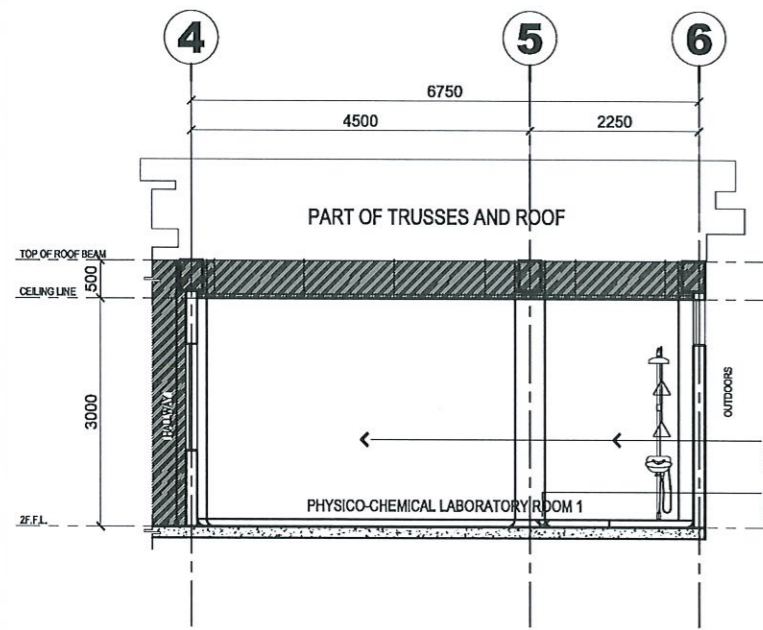
APPROVED:
Arnold E. Velasco
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

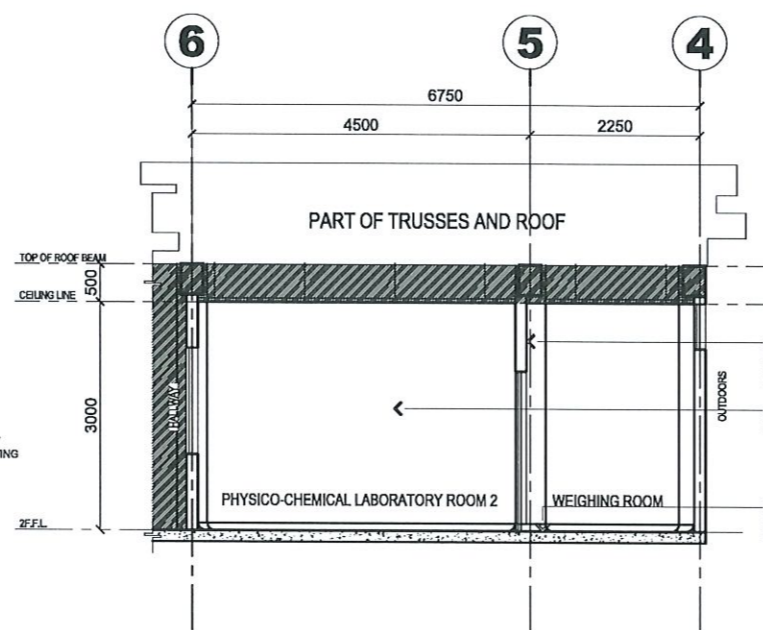
DATE: NOVEMBER 2024

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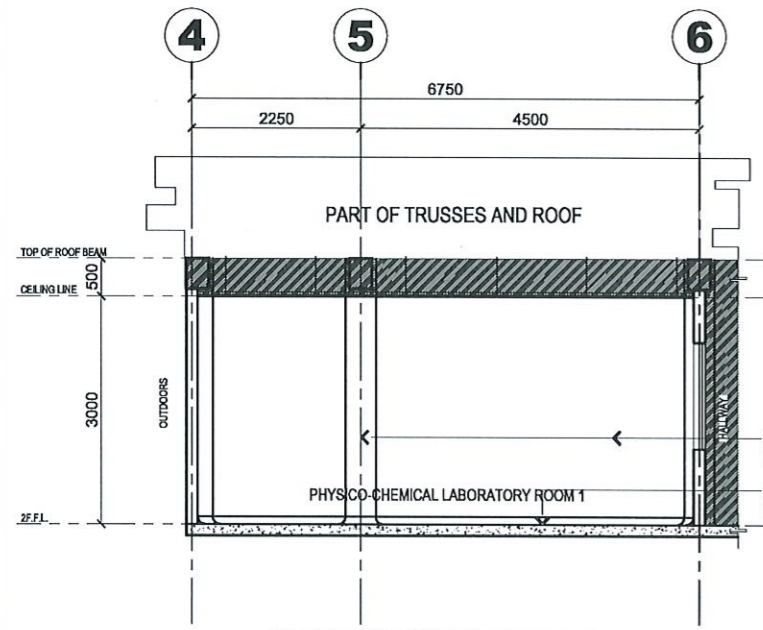
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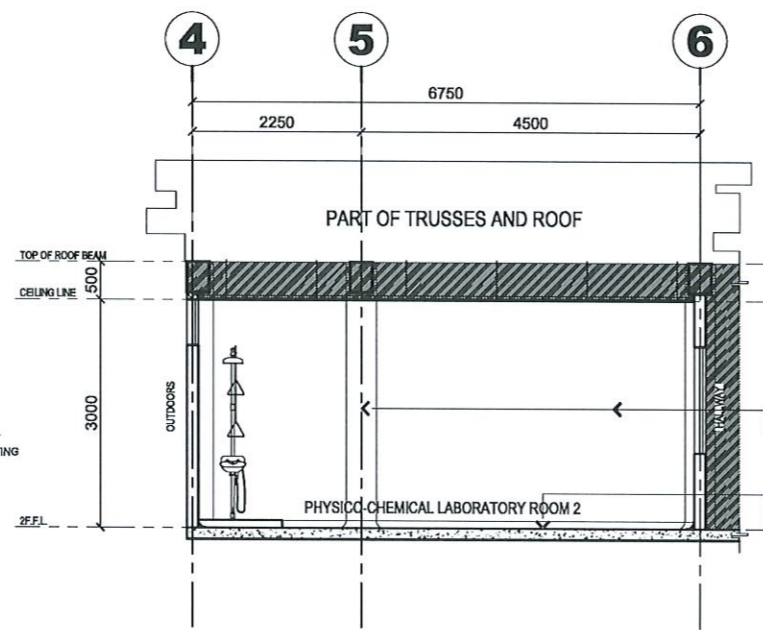
PHYSICO-CHEMICAL LABORATORY ROOM
SECTION THRU "C"
1:100 MTS



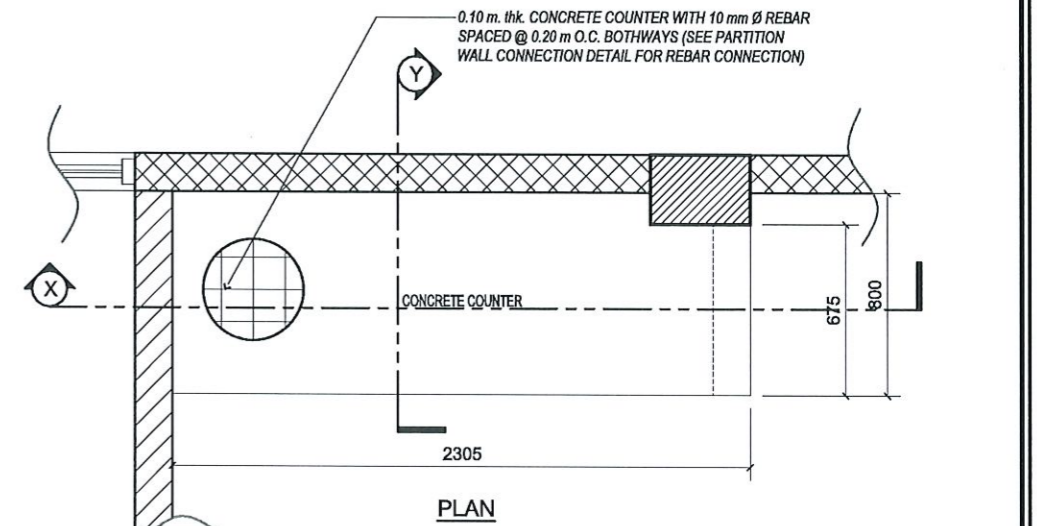
PHYSICO-CHEMICAL LABORATORY ROOM
SECTION THRU "E"
1:100 MTS



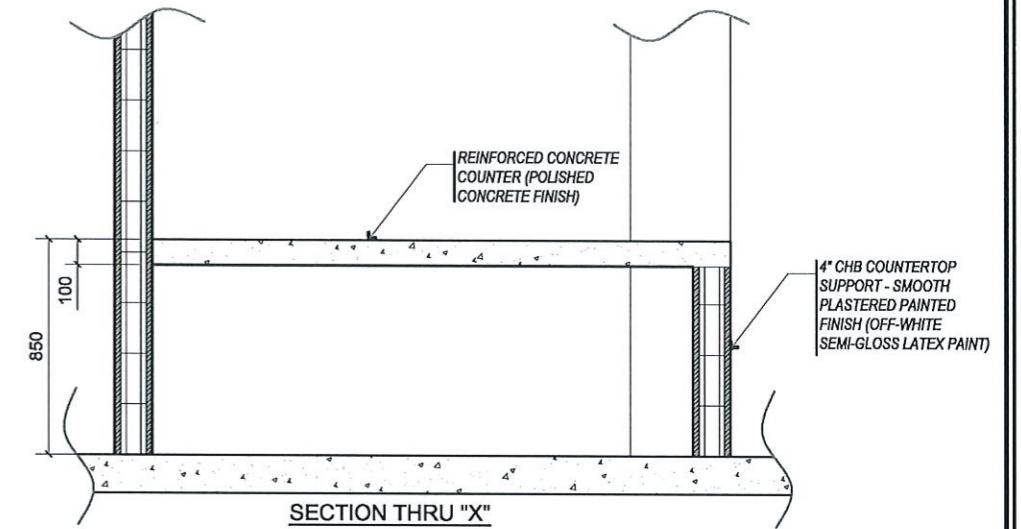
PHYSICO-CHEMICAL LABORATORY ROOM
SECTION THRU "D"
1:100 MTS



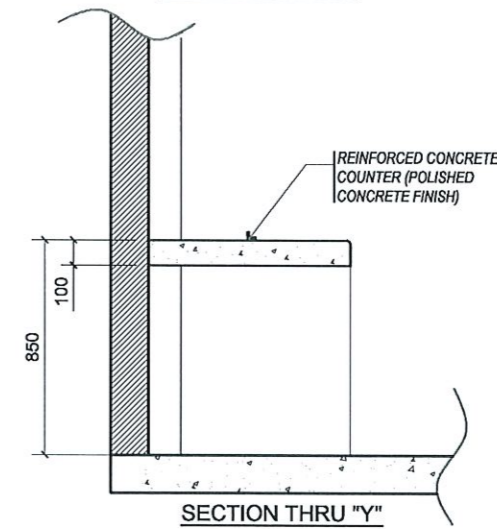
PHYSICO-CHEMICAL LABORATORY ROOM
SECTION THRU "F"
1:100 MTS



PLAN



SECTION THRU "X"



SECTION THRU "Y"

PHYSICO-CHEMICAL LABORATORY ROOM
CONCRETE COUNTER DETAILS

1:30 MTS



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING
WITH SITE DEVELOPMENT
PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
[Signature]
AR. PAULO A. DOSYOR, RMP
ARCHITECT/MASTER PLUMBER, OFDM-PDU

CHECKED BY:
[Signature]
AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:
[Signature]
AR. ARLEN M. GUIEB
DIRECTOR, OFDM

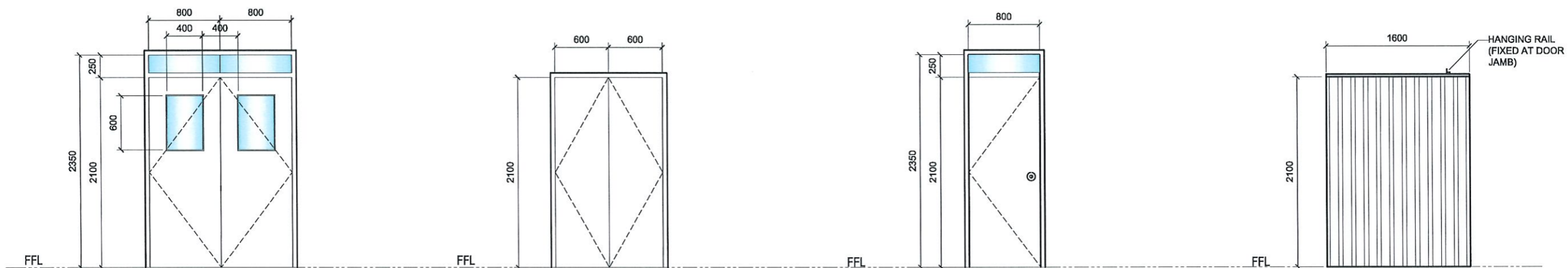
REQUESTING OFFICE:
[Signature]
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
[Signature]
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

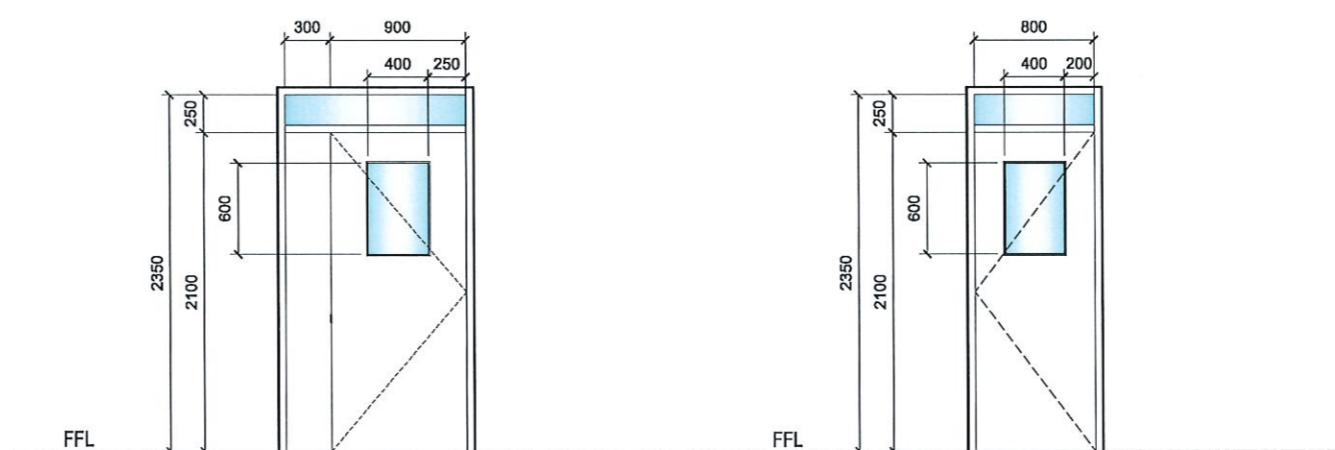
APPROVED:
[Signature]
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: NOVEMBER 2024

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PAGE NO:
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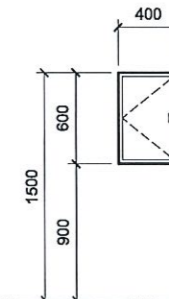
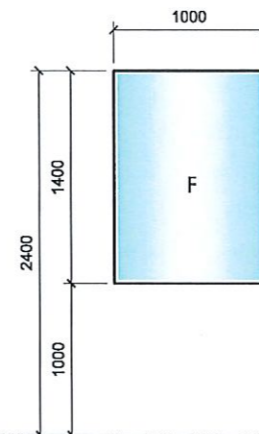
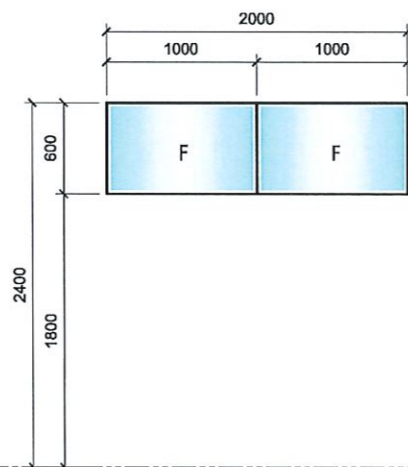
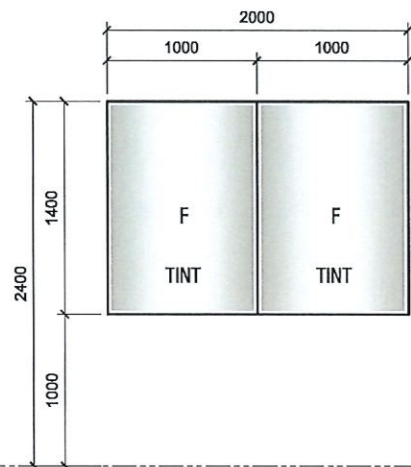
D 01	QUANTITY	1 SET	D 02	QUANTITY	2 SETS	D 03	QUANTITY	5 SETS	D 01-A	QUANTITY	1 SET
	LOCATION	SENSORY LABORATORY		LOCATION	SENSORY LABORATORY		LOCATION	SENSORY LABORATORY; PHYSICO-CHEMICAL LABORATORY 1		LOCATION	SENSORY LABORATORY
DESCRIPTION	DOUBLE SWING STEEL DOOR (SMOOTH PAINT FINISH) AND JAMB: 0.50MM THK. WHITE POWDER COATED ALUMINUM TRANSOM WINDOW: 6MM THK. ONE WAY REFLECTIVE (INTERIOR) TEMPERED BRONZE GLASS PEEP WINDOW: 6MM THK. CLEAR TEMPERED GLASS HINGE: SELF-CLOSING HEAVY DUTY DOOR HINGE ACCESSORIES: HEAVY DUTY PADLOCK HASP WITH PVC STRIP CURTAIN (SEE D-01A)		DESCRIPTION	DOUBLE SWING 0.50MM THK. STAINLESS STEEL DOOR DOOR AND JAMB: 0.50MM THK. HINGE: SELF-CLOSING HEAVY DUTY DOOR HINGE		DESCRIPTION	SINGLE SWING STEEL DOOR (SMOOTH PAINT FINISH) AND JAMB: 0.50MM THK. WHITE POWDER COATED ALUMINUM TRANSOM WINDOW: 6MM THK. ONE WAY REFLECTIVE (INTERIOR) TEMPERED BRONZE GLASS KNOB: HEAVY DUTY DOME TYPE HINGE: SELF-CLOSING HEAVY DUTY DOOR HINGE		DESCRIPTION	200mm x 2.00mm thk. PVC STRIP CURTAIN WITH STAINLESS STEEL STRIPS AND HANGING RAIL AND COMPLETE ACCESSORIES	



D 04	QUANTITY	5 SETS	D 05	QUANTITY	6 SETS
	LOCATION	PHYSICO-CHEMICAL LABORATORY; MICROBIOLOGY LABORATORY		LOCATION	MICROBIOLOGY LABORATORY;
DESCRIPTION	DOUBLE SWING STEEL DOOR (SMOOTH PAINT FINISH) DOOR AND JAMB: 0.50MM THK. WHITE POWDER COATED ALUMINUM TRANSOM WINDOW: 6MM THK. ONE WAY REFLECTIVE (INTERIOR) TEMPERED BRONZE GLASS PEEP WINDOW: 6MM THK. CLEAR TEMPERED GLASS HINGE: SELF-CLOSING HEAVY DUTY DOOR HINGE ACCESSORIES: HEAVY DUTY PADLOCK HASP		DESCRIPTION	DOUBLE SWING STEEL DOOR (SMOOTH PAINT FINISH) DOOR AND JAMB: 0.50MM THK. WHITE POWDER COATED ALUMINUM TRANSOM WINDOW: 6MM THK. ONE WAY REFLECTIVE (INTERIOR) TEMPERED BRONZE GLASS PEEP WINDOW: 6MM THK. CLEAR TEMPERED GLASS HINGE: SELF-CLOSING HEAVY DUTY DOOR HINGE	

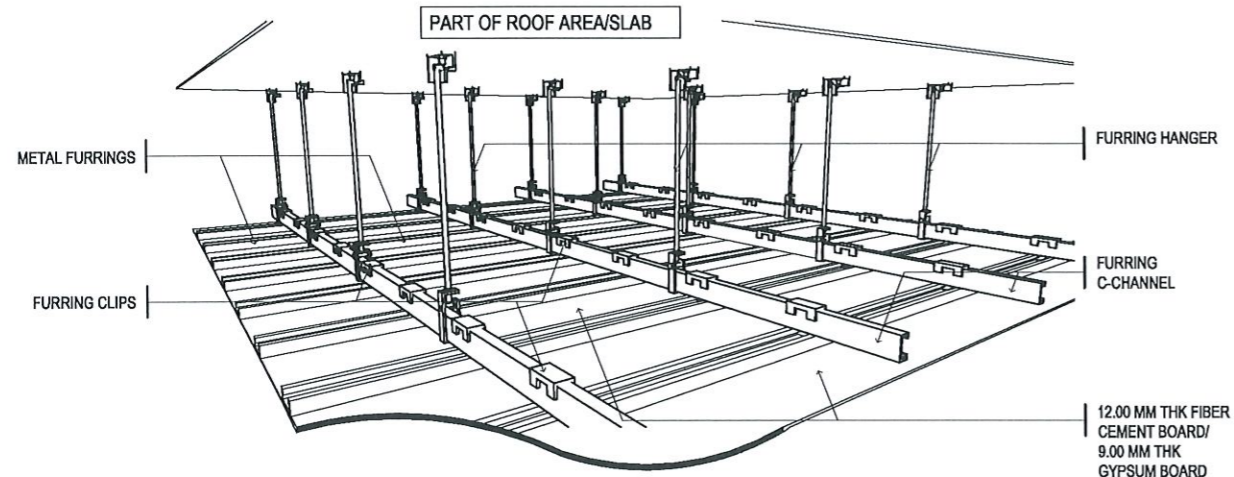
SCHEDULE OF DOORS
 1:50 MTS

	TARLAC STATE UNIVERSITY	PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-36
	PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY		DATE: NOVEMBER 2024		PAGE NO: 36/51					

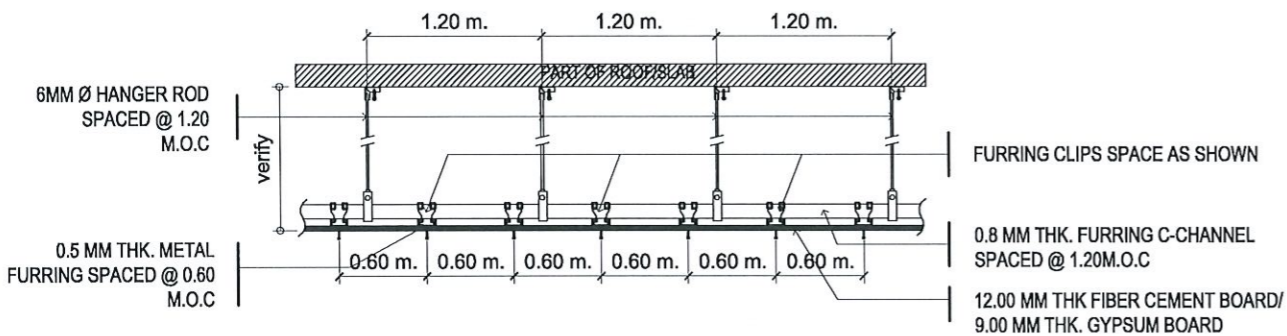


DESCRIPTION	W01	QUANTITY	2 SETS	W02	QUANTITY	1 SET	W03	QUANTITY	1 SET	W04	QUANTITY	1 SET		
	LOCATION	SENSORY LABORATORY		LOCATION	SENSORY LABORATORY		LOCATION	SENSORY LABORATORY		LOCATION	SENSORY LABORATORY			
DESCRIPTION	RELOCATED EXISTING WINDOW *FOR APPLICATION OF FULL FROSTED TINT			DESCRIPTION	WHITE POWDER COATED ALUMINUM FIXED WINDOW WITH 6.00 mm THK. TEMPERED CLEAR GLASS WITH COMPLETE ACCESSORIES			DESCRIPTION	WHITE POWDER COATED ALUMINUM FIXED WINDOW WITH 6.00 mm THK. TEMPERED CLEAR GLASS WITH COMPLETE ACCESSORIES			DESCRIPTION	STAINLESS STEEL S304 SINGLE HATCH ACCESS DOOR WITH COMPLETE ACCESSORIES	

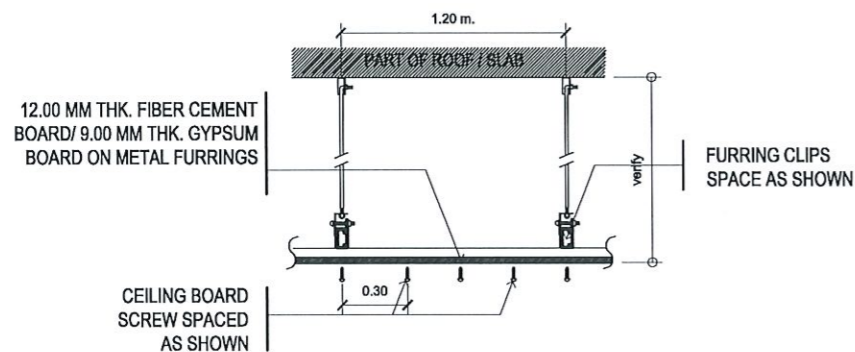
SCHEDULE OF WINDOWS
 1:50 MTS



BLOW-UP FICEM/GYPSUM BOARD CEILING ISOMETRIC DETAIL

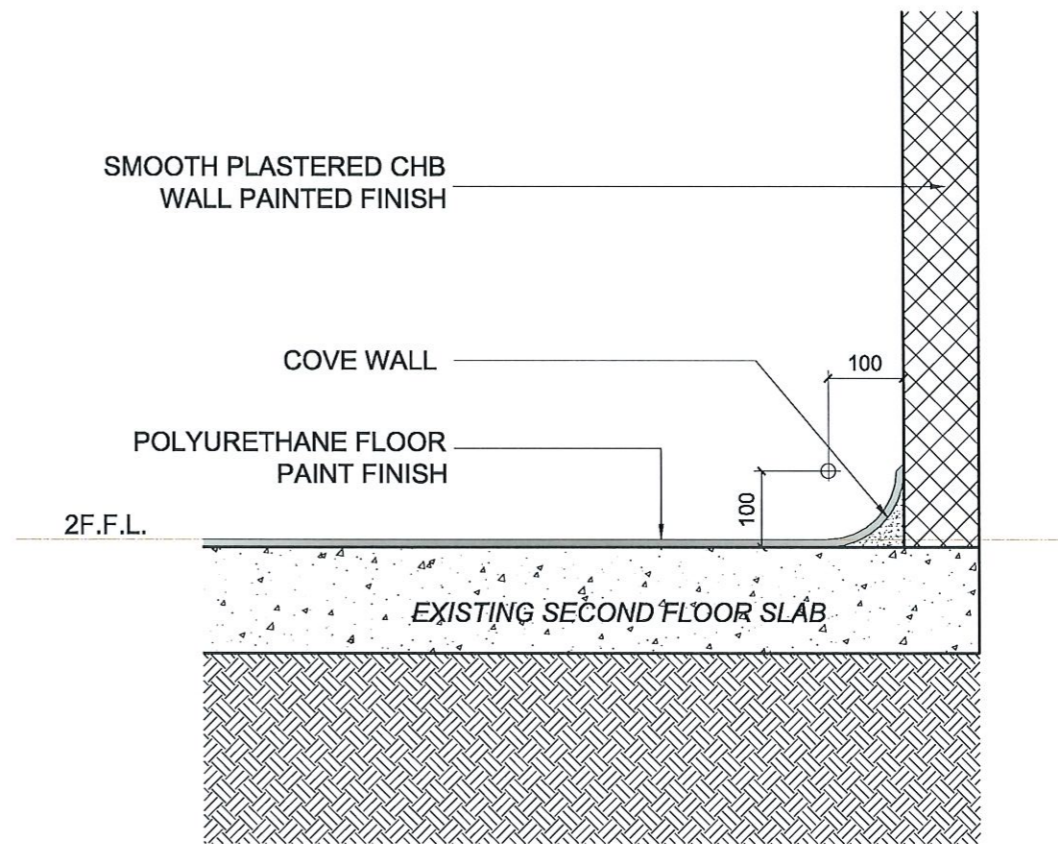


**BLOW-UP CEILING DETAIL
TYPICAL FICEM/GYPSUM BOARD CEILING SECTION DETAIL
SCALE:NTS**

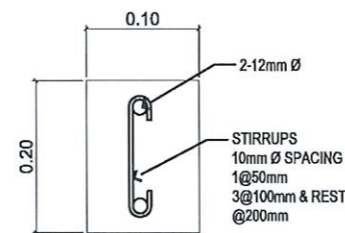


**BLOW-UP CEILING DETAIL
SECTION DETAIL**

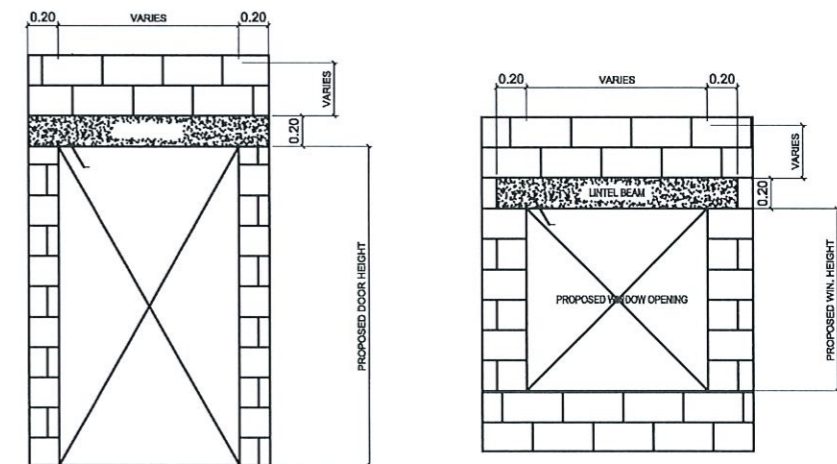
SENSORY LABORATORY ROOM
TYPICAL CEILING DETAILS
NTS



SENSORY LABORATORY ROOM
TYPICAL COVE WALL DETAIL
1:10 MTS



**LINTEL BEAM AND STIFFENER
COLUMN TYPICAL SECTION DETAIL**



**TYPICAL LINTEL BEAM
LOCATION DETAIL**

SENSORY LABORATORY ROOM
TYPICAL LINTEL BEAM AND STIFFENER COLUMN DETAILS
NTS



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Arleen M. Guieb
AR. ARLEEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:
Leah T. Matias
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
Wilmark J. Ramos
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

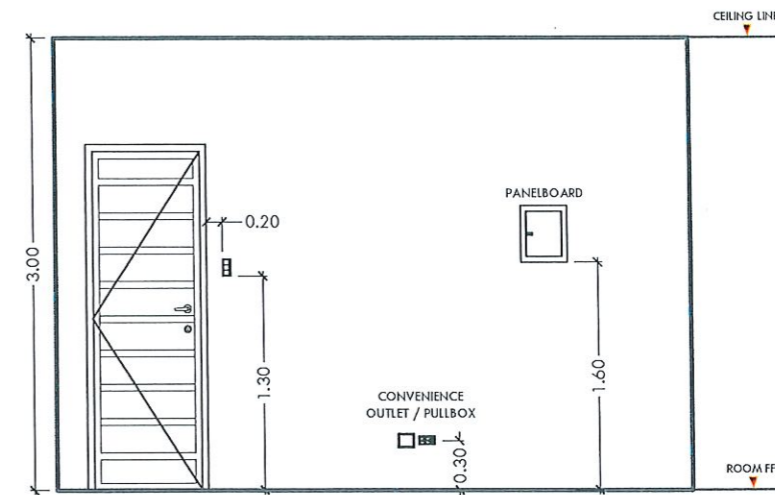
APPROVED:
Arnold E. Velasco
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: NOVEMBER 2024

SHEET NO:
A-38
PAGE NO:
38/51

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 POWER SHALL BE 230V, SINGLE PHASE, 2-WIRE + GROUND, 60 HZ.
- WIRES SHALL BE COLOR CODED AS FOLLOWS:
 LINE 1 --- RED LINE 2 --- YELLOW GROUND --- GREEN
- WIRING METHOD SHALL BE AS FOLLOWS:
 - FOR EMBEDDED PIPE -POLYVINYL CHLORIDE CONDUIT SCHEDULE 40 (PVC SCH 40)
 - FOR RUN EXPOSED PIPE -ELECTRICAL METALLIC TUBING CONDUIT (EMT)
 - 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.



MOUNTING DETAILS

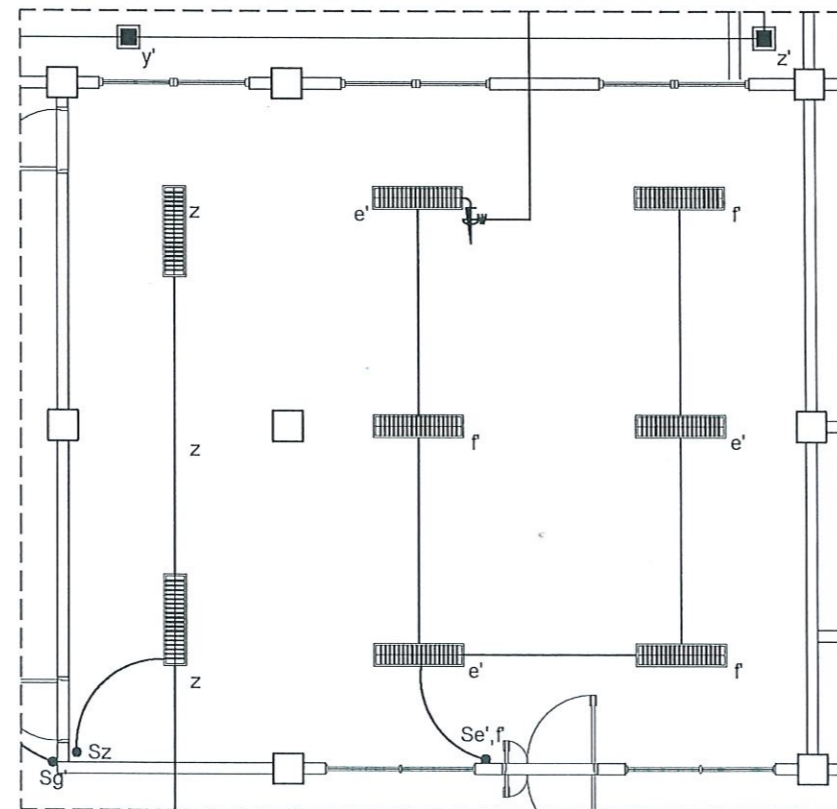
LEGENDS & SYMBOLS

	2X18 WATTs T8 LED TUBE IN A RECESSED MOUNTED PRISMATIC DIFFUSER HOUSING (DAYLIGHT)
	12 WATTs LED ROUND RECESSED PANEL LIGHT (DAYLIGHT)
	STAINLESS STEEL LETTERING WITH SMD STRIP LIGHT BACK LIGHT (DAYLIGHT)
	3 WATTs CEILING MOUNTED EMERGENCY LIGHT
	1-GANG WIDE SERIES SWITCH
	2-GANG WIDE SERIES SWITCH
	3-GANG WIDE SERIES SWITCH
	DUPLEX UNIVERSAL CONVENIENCE OUTLET WITH GROUND
	DUPLEX UNIVERSAL CONVENIENCE OUTLET WITH GROUND (TV)
	SINGLE UNIVERSAL CONVENIENCE OUTLET WITH GROUND
	SPLIT TYPE ACU (INDOOR UNIT)
	SPLIT TYPE ACU (OUTDOOR UNIT)
	5x5" PVC PULLBOX
	NEMA-3R ENCLOSURE
	EQUIPMENT PANEL
	ACU PANEL
	POWER PANEL 2A

ABBREVIATION

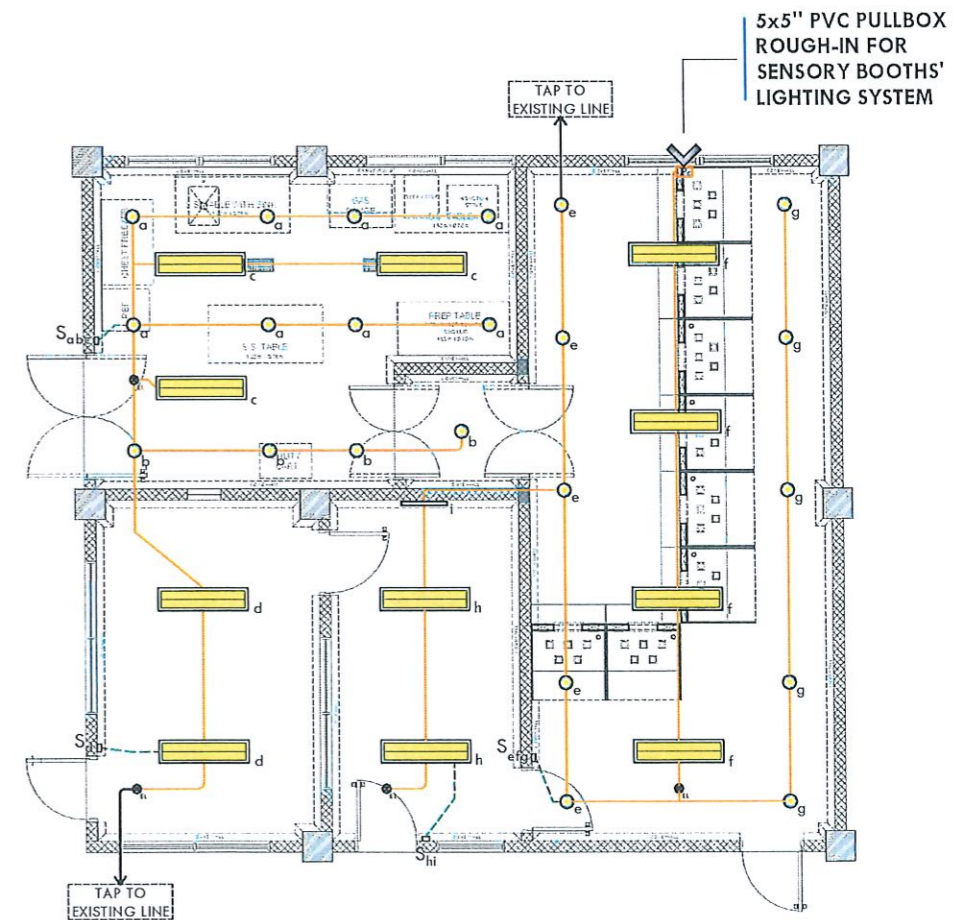
CF	CHEST FREEZER	GR	GAS RANGE
REF	REFRIGERATOR	DF	DEEP FRYER
RH	RANGE HOOD	STO	INDUCTION STOVE
FCU	FAN COIL UNIT (INDOOR UNIT)	ACCU	AIR COOLED CONDENSING UNIT (OUTDOOR UNIT)

NOTE:
-THE EXISTING WIRES AND CONDUITS FOR LIGHTING AND CONVENIENCE OUTLETS WILL BE RETAINED, ADDITIONAL WIRES AND CONDUITS SHALL BE PROVIDED.



EXISTING LIGHTING LAYOUT

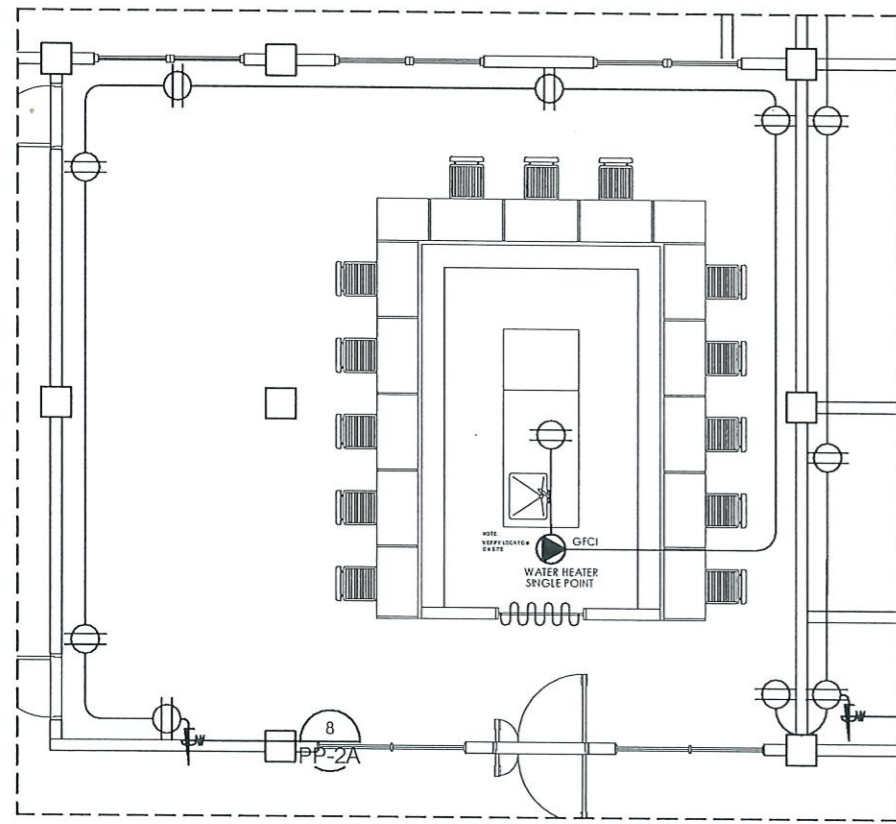
SENSORY LABORATORY SCALE: 1:100 MTS



PROPOSED LIGHTING LAYOUT

SENSORY LABORATORY SCALE: 1:100 MTS

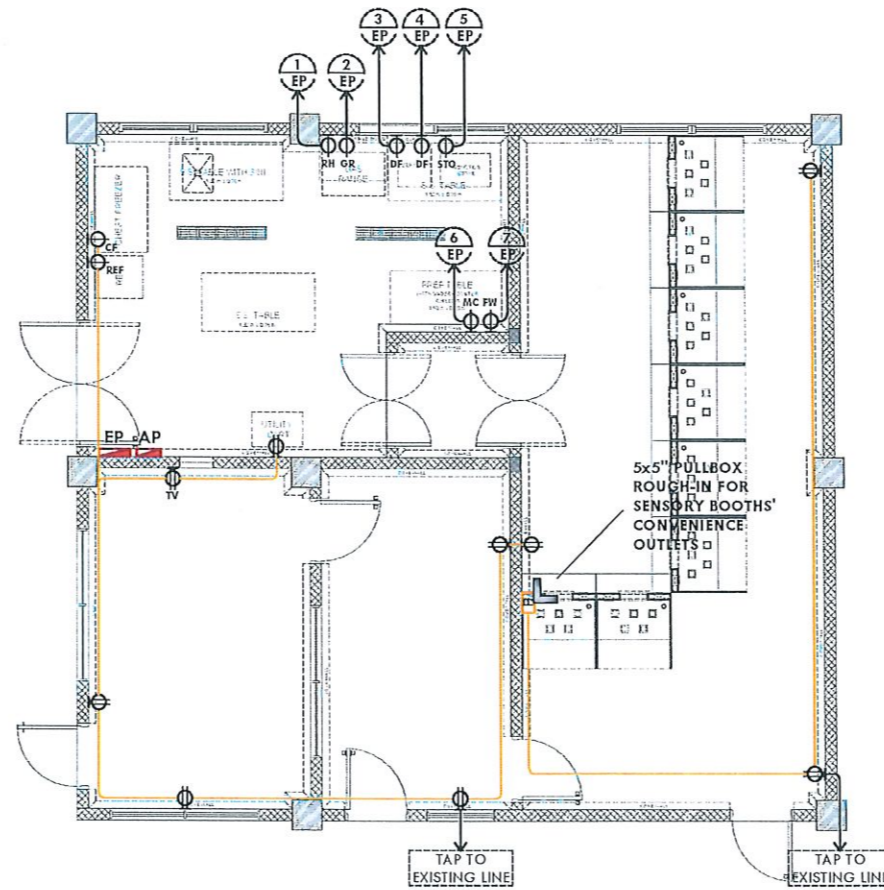
<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: ENGR. MARK JOMELLE O. NATIVIDAD ELECTRICAL ENGINEER, OFDM	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-POU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: E-01
	PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DATE: NOVEMBER 2024	PAGE NO: 39/51						



EXISTING POWER LAYOUT

SENSORY LABORATORY

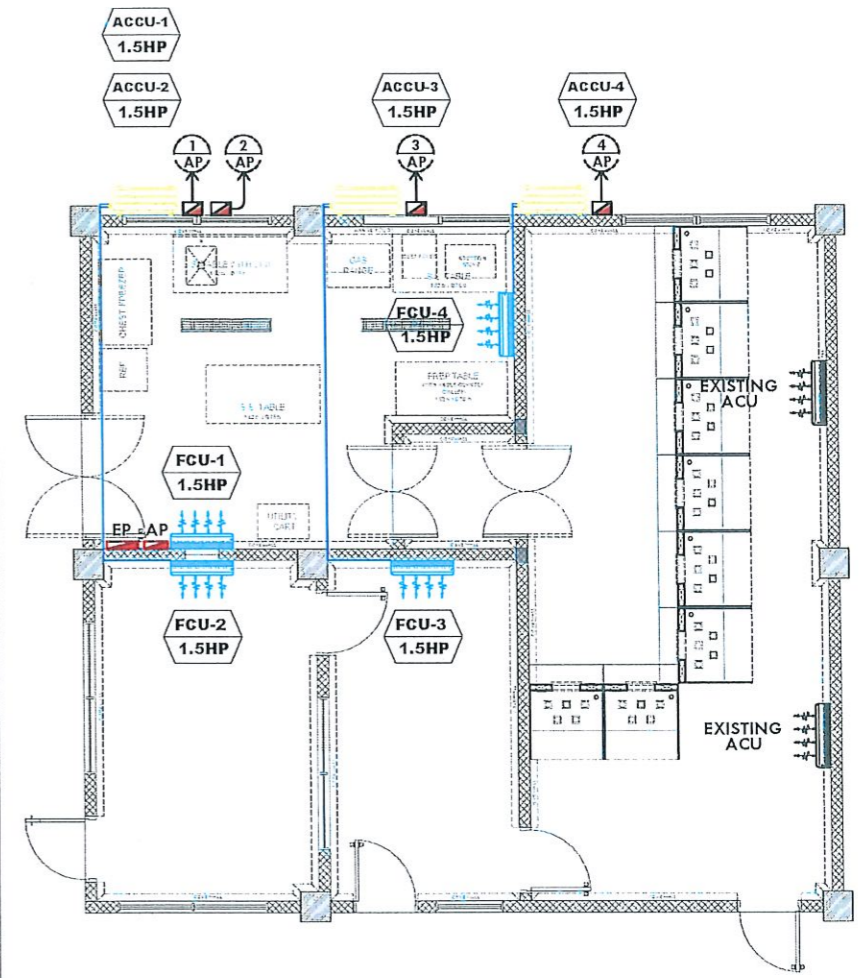
SCALE: 1:100 MTS



PROPOSED POWER LAYOUT

SENSORY LABORATORY

SCALE: 1:100 MTS



PROPOSED ACU LAYOUT

SENSORY LABORATORY

SCALE: 1:100 MTS

NOTE:
 -AIR-CONDITIONING UNITS WILL BE UNSUPPLIED, ONLY THE ELECTRICAL SUPPLY (line side) SHALL BE PROVIDED BY THE CONTRACTOR.
 -THE EXISTING WIRING FOR LIGHTING AND CONVENIENCE OUTLETS WILL BE RETAINED, ADDITIONAL WIRING SHALL BE PROVIDED.



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

PROJECT TITLE:
 REFURBISHMENT OF LABORATORIES AT CFTR BUILDING
 WITH SITE DEVELOPMENT
 PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

 ENGR. MARK JOMELLE O. MATIVIDAD
 ELECTRICAL ENGINEER, OADM

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

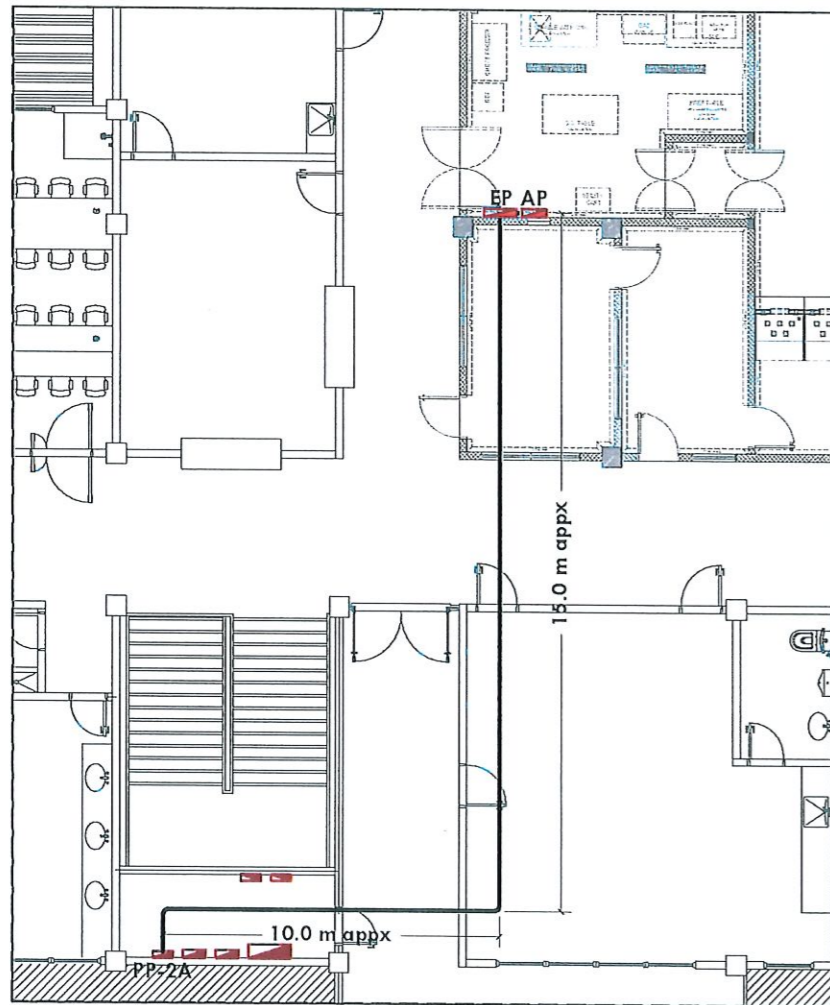
 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

 DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN
 DATE: NOVEMBER 2024

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PROPOSED FEEDER LAYOUT
SENSORY LABORATORY
SCALE: 1:150 MTS

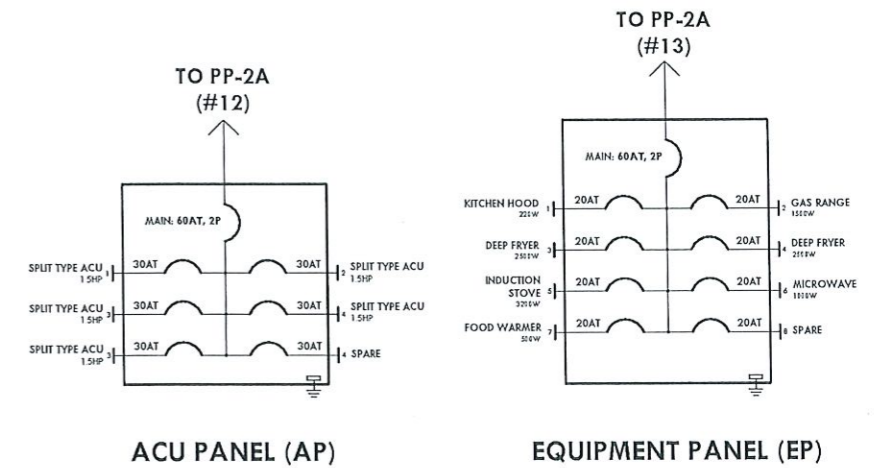
ACU PANEL											
LOCATION:	SENSORY LABORATORY			SYSTEM VOLTAGE:			230V, 1-PHASE, 60Hz				
FED FROM:	CFTR PP-2A (#12)			MAIN FEEDER SIZE:			2 - 14mm ² THHN/THWN Cu. WIRE				
MAIN CIRCUIT BREAKER:	60AT, MCCB, 2P			ENCLOSURE:			NEMA-1 (RECESSED MOUNTED)				
CIRCUIT NUMBER	DESCRIPTION	NO. OF OUTLET	VA	A	CIRCUIT BREAKER		CONDUCTOR (mm ²)	GROUND (mm ²)	TYPE OF WIRE	CONDUIT	
1	L.SHP	1	2300	10.00	30	100	2	5.5	3.5	THHN/THWN	1/2"
2	L.SHP	1	2300	10.00	30	100	2	5.5	3.5	THHN/THWN	1/2"
3	L.SHP	1	2300	10.00	30	100	2	5.5	3.5	THHN/THWN	1/2"
4	L.SHP	1	2300	10.00	30	100	2	5.5	3.5	THHN/THWN	1/2"
5	L.SHP	1	2300	10.00	30	100	2	5.5	3.5	THHN/THWN	1/2"
6	SPARE	1	1900	8.52	20	100	2	5.5	3.5	THHN/THWN	1/2"

TOTAL CONNECTED LOAD (VA):	11000	TOTAL LOAD CURRENT (A):	59.02
DEMAND FACTOR:	80%	TOTAL DEMAND LOAD CURRENT (A):	47.22

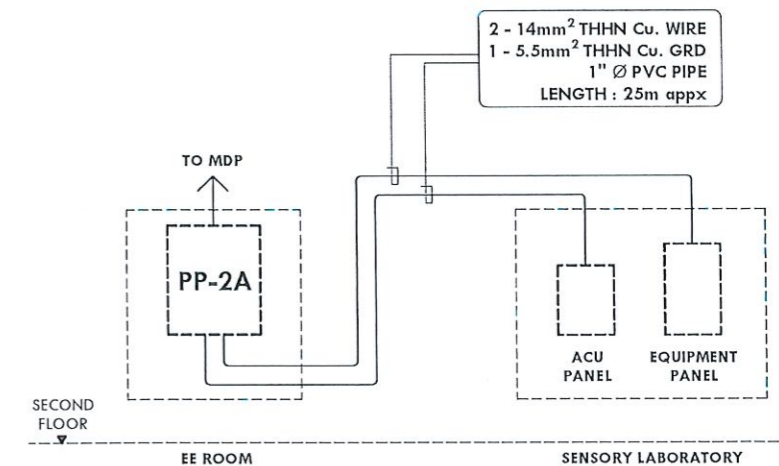
EQUIPMENT PANEL											
LOCATION:	SENSORY LABORATORY			SYSTEM VOLTAGE:			230V, 1-PHASE, 60Hz				
FED FROM:	CFTR PP-2A (#13)			MAIN FEEDER SIZE:			2 - 14mm ² THHN/THWN Cu. WIRE				
MAIN CIRCUIT BREAKER:	60AT, MCCB, 2P			ENCLOSURE:			NEMA-1 (RECESSED MOUNTED)				
CIRCUIT NUMBER	DESCRIPTION	NO. OF OUTLET	VA	A	CIRCUIT BREAKER		CONDUCTOR (mm ²)	GROUND (mm ²)	TYPE OF WIRE	CONDUIT	
1	KITCHEN HOOD 220W	1	220	0.96	20	100	2	3.5	3.5	THHN/THWN	1/2"
2	GAS RANGE 1500W	1	1500	6.52	20	100	2	3.5	3.5	THHN/THWN	1/2"
3	DEEP FRYER 2500W	1	2500	10.87	20	100	2	3.5	3.5	THHN/THWN	1/2"
4	DEEP FRYER 2500W	1	2500	10.87	20	100	2	3.5	3.5	THHN/THWN	1/2"
5	INDUCTION STOVE 3200W	1	3200	13.91	20	100	2	3.5	3.5	THHN/THWN	1/2"
6	MICROWAVE 1000W	1	1000	4.35	20	100	2	3.5	3.5	THHN/THWN	1/2"
7	FOOD WARMER 500W	1	500	2.17	20	100	2	3.5	3.5	THHN/THWN	1/2"
8	SPARE	1	1500	6.52	20	100	2	3.5	3.5	THHN/THWN	1/2"

TOTAL CONNECTED LOAD (VA):	12920	TOTAL LOAD CURRENT (A):	56.41
DEMAND FACTOR:	80%	TOTAL DEMAND LOAD CURRENT (A):	45.13

SCHEDULE OF LOADS



DETAILS OF PANEL BOARD



RISER DIAGRAM



TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2100

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT
PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
[Signature]
ENGR. MARK JOMELLE O. NATIVIDAD
ELECTRICAL ENGINEER, OFDM

CHECKED BY:
[Signature]
AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:
[Signature]
AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:
[Signature]
DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:
[Signature]
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

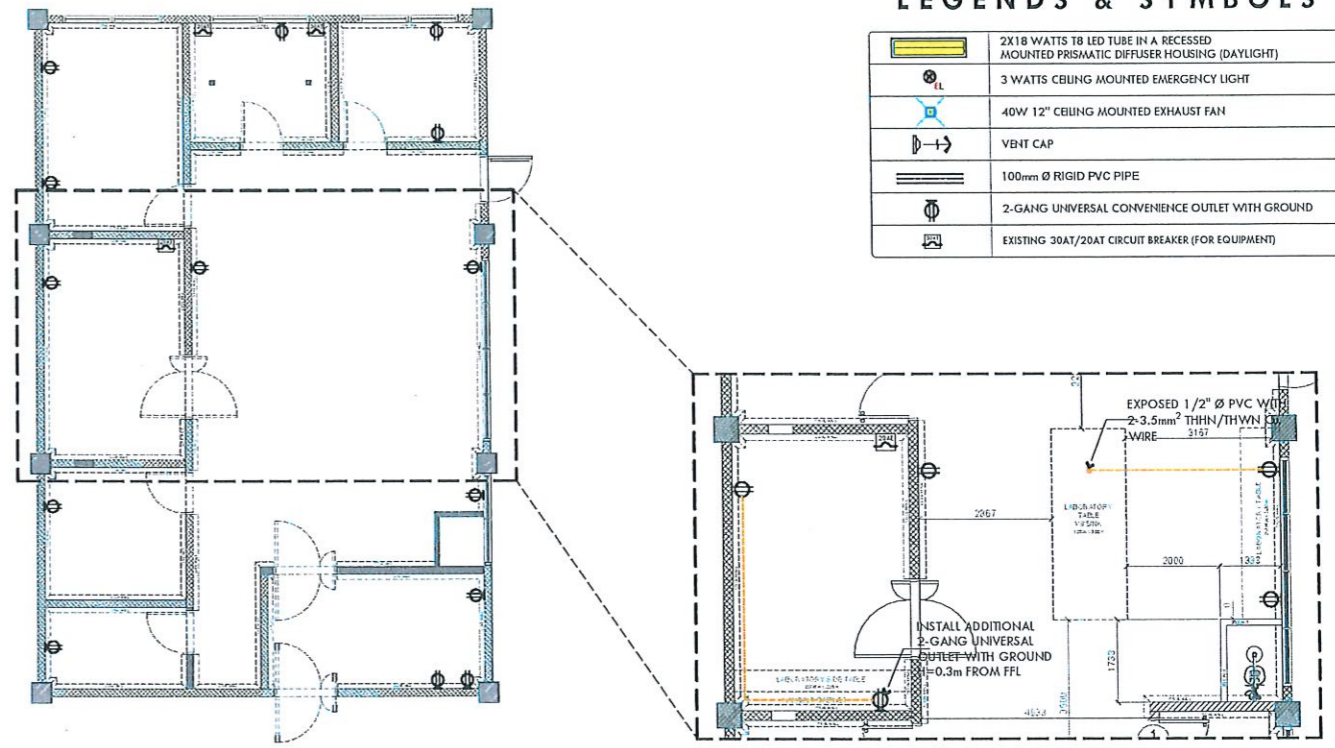
APPROVED:
[Signature]
DR. ARNOLD E. VELASCO
RESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: NOVEMBER 2024

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LEGENDS & SYMBOLS

	2X18 WATTS T8 LED TUBE IN A RECESSED MOUNTED PRISMATIC DIFFUSER HOUSING (DAYLIGHT)
	3 WATTS CEILING MOUNTED EMERGENCY LIGHT
	40W 12" CEILING MOUNTED EXHAUST FAN
	VENT CAP
	100mm Ø RIGID PVC PIPE
	2-GANG UNIVERSAL CONVENIENCE OUTLET WITH GROUND
	EXISTING 30AT/20AT CIRCUIT BREAKER (FOR EQUIPMENT)

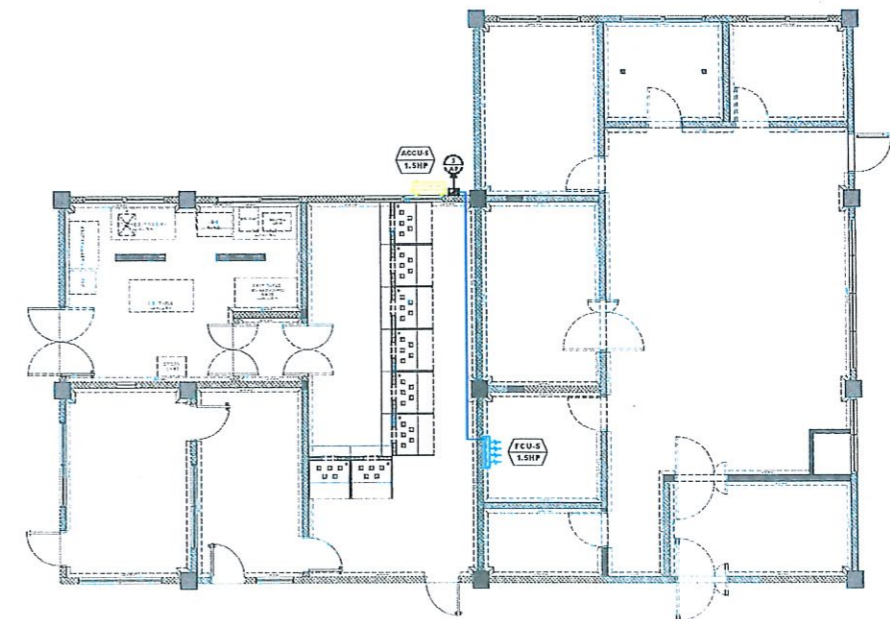


EXISTING POWER LAYOUT

MICROBIOLOGY LAB. RM. 1:150MTS

PROPOSED POWER LAYOUT

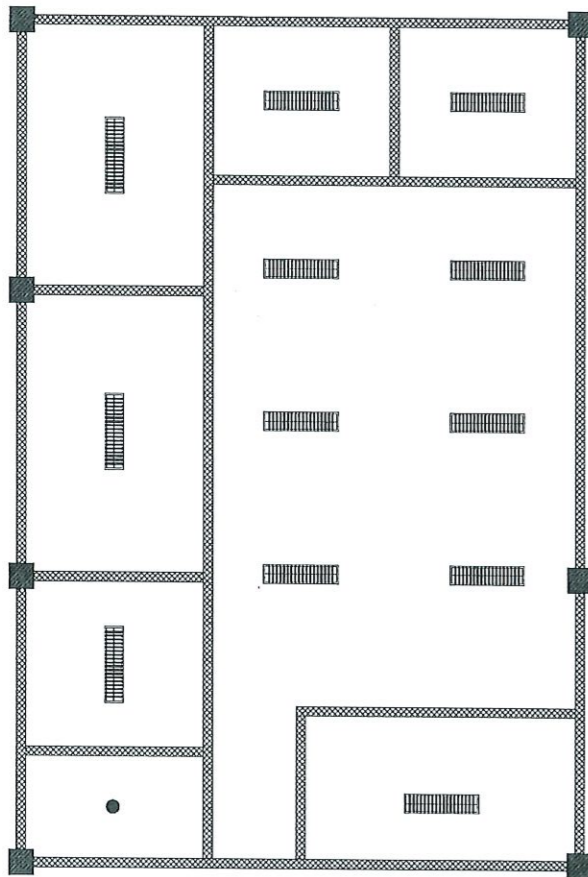
MICROBIOLOGY LAB. RM. 1:120MTS



PROPOSED ACU LAYOUT

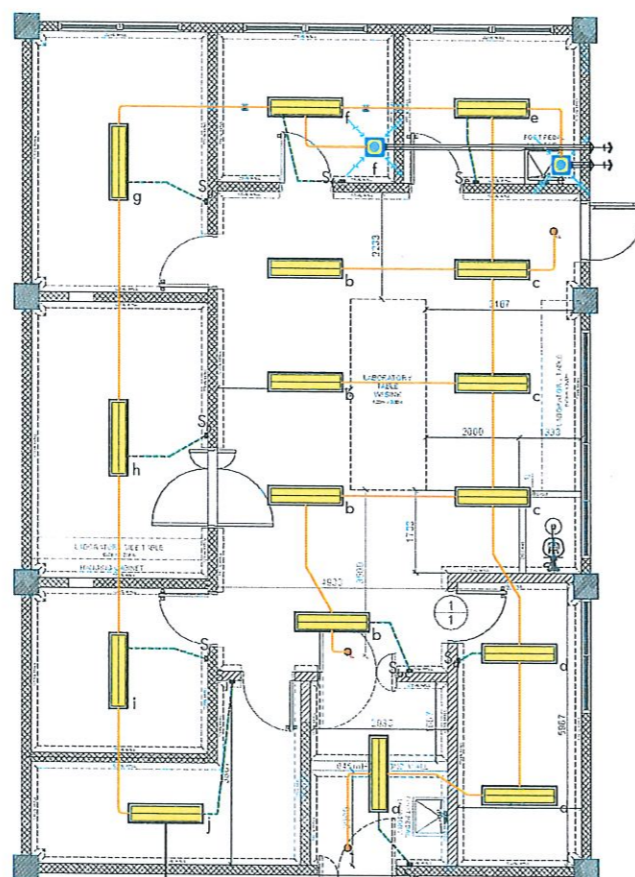
MICROBIOLOGY LAB. RM. 1:180MTS

NOTE:
 -RETAIN ALL EXISTING CONVENIENCE OUTLETS AND INSTALL ADDITIONAL CONVENIENCE OUTLET AND 1/2" Ø PVC CONDUIT ROUGH-IN WITH 2 - 3.5mm² THHN/THWN Cu. WIRE AS SHOWN IN THE PROPOSED POWER LAYOUT.
 -AIR-CONDITIONING UNITS WILL BE UNSUPPLIED, ONLY THE ELECTRICAL SUPPLY (LINE SIDE) SHALL BE PROVIDED.
 -THE EXISTING WIRING FOR LIGHTING AND CONVENIENCE OUTLETS WILL BE RETAINED, ADDITIONAL WIRING SHALL BE PROVIDED.



EXISTING LIGHTING LAYOUT

MICROBIOLOGY LAB. RM. 1:120MTS



PROPOSED LIGHTING LAYOUT

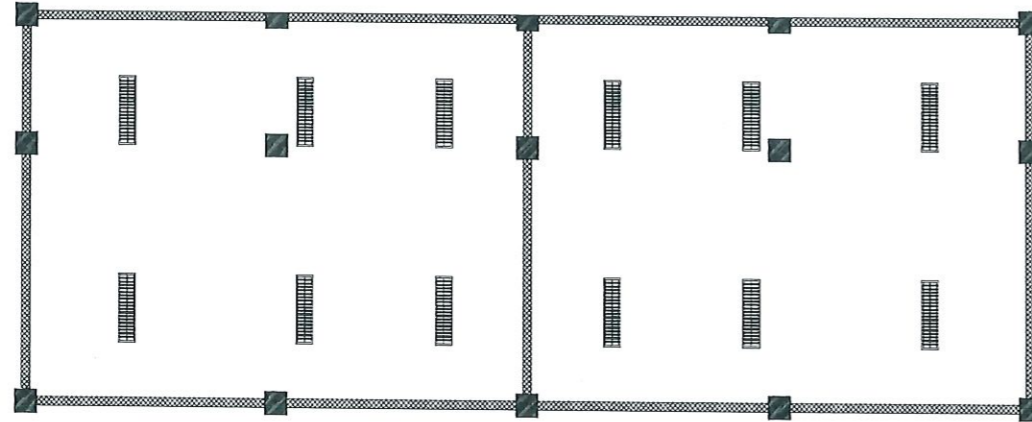
MICROBIOLOGY LAB. RM. 1:120MTS



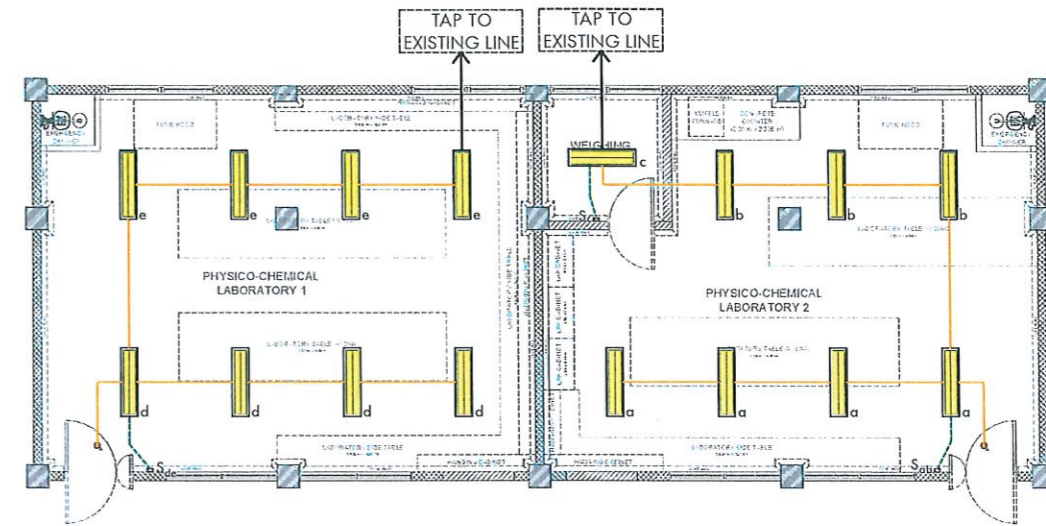
PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: ENGR. MARK JOMELLE O. NATIVIDAD ELECTRICAL ENGINEER, OEDM	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO.: E-04
PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: NOVEMBER 2024	PAGE NO.: 42/51

LEGENDS & SYMBOLS

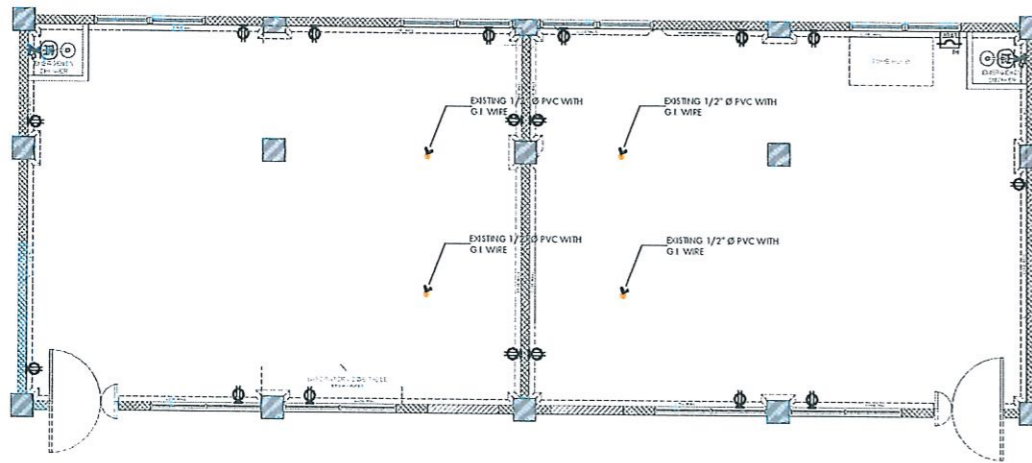
	2X18 WATTS T8 LED TUBE IN A RECESSED MOUNTED PRISMATIC DIFFUSER HOUSING (DAYLIGHT)
	3 WATTS CEILING MOUNTED EMERGENCY LIGHT
	2-GANG UNIVERSAL CONVENIENCE OUTLET WITH GROUND
	1-GANG CONVENIENCE OUTLET WITH GROUND (MUFFLE FURNACE)
	1-GANG CONVENIENCE OUTLET WITH GROUND (FUME HOOD)



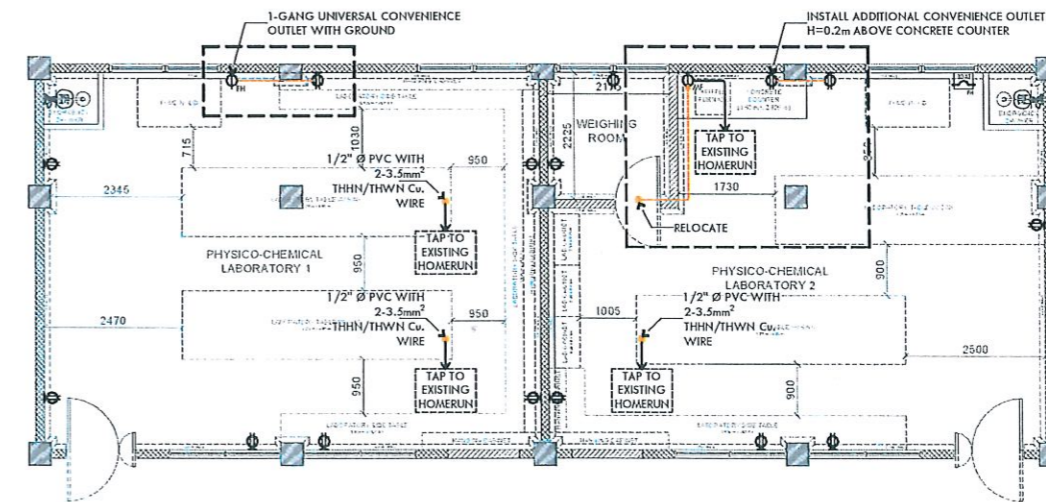
EXISTING LIGHTING LAYOUT
PHYSICO-CHEMICAL LAB. RM 1:100MTS



PROPOSED LIGHTING LAYOUT
PHYSICO-CHEMICAL LAB. RM 1:100MTS



EXISTING POWER LAYOUT
PHYSICO-CHEMICAL LAB. RM 1:100MTS



PROPOSED POWER LAYOUT
PHYSICO-CHEMICAL LAB. RM 1:100MTS

NOTE:
 -EXISTING CONVENIENCE OUTLETS SHALL BE REPLACED WITH BRAND NEW 2-GANG UNIVERSAL OUTLET WITH GROUND.
 -EXISTING 1/2" Ø PVC CONDUIT WITH G1 WIRE WILL BE UTILIZED TO INSTALL THE WIRING THAT CONNECTS TO THE EXISTING HOMERUN.
 -THE EXISTING WIRING FOR LIGHTING AND CONVENIENCE OUTLETS WILL BE RETAINED, ADDITIONAL WIRING SHALL BE PROVIDED.



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

PROJECT TITLE:
 REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT
 PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

 ENGR. MARK JOMELLE O. NATIVIDAD
 ELECTRICAL ENGINEER, OFDM

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

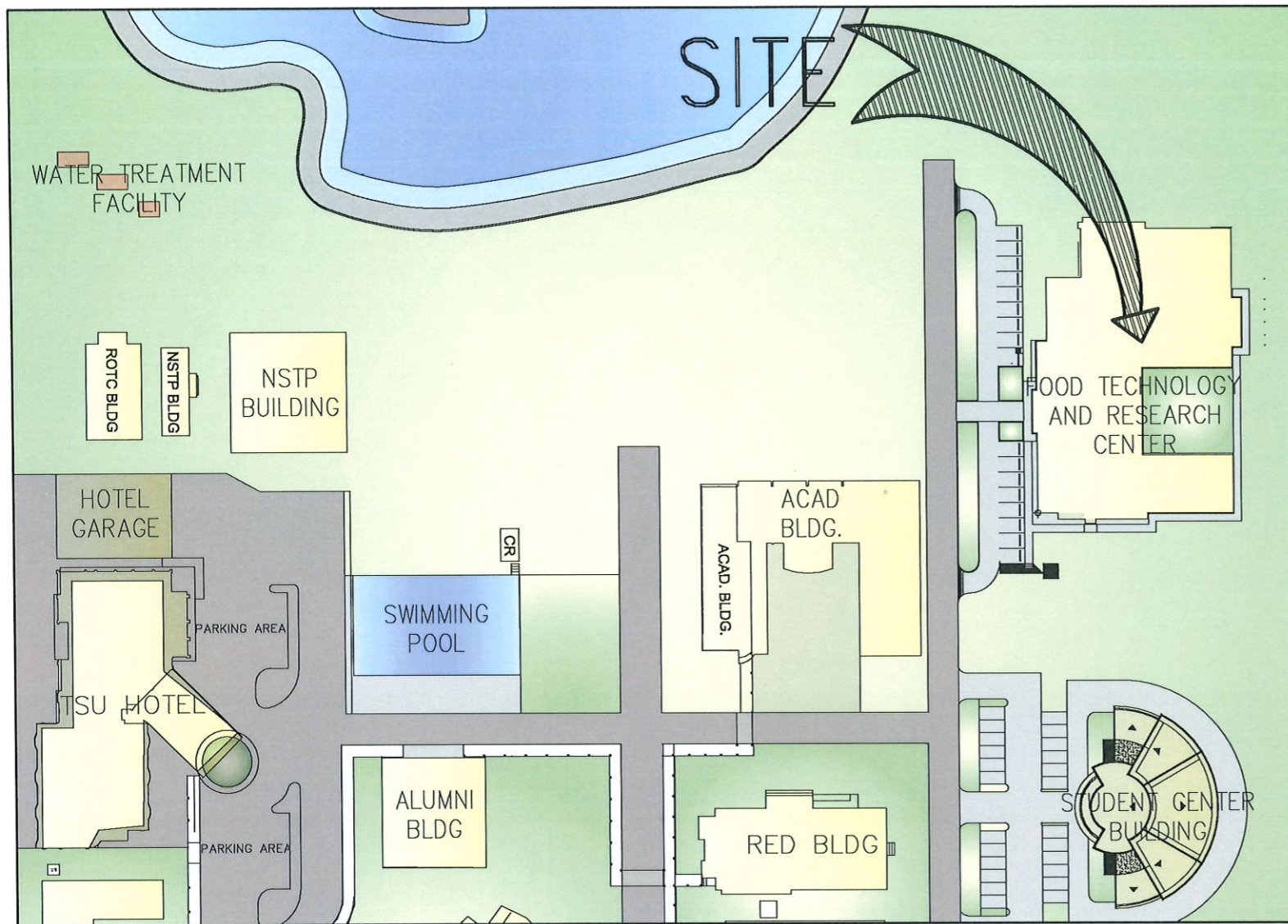
 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

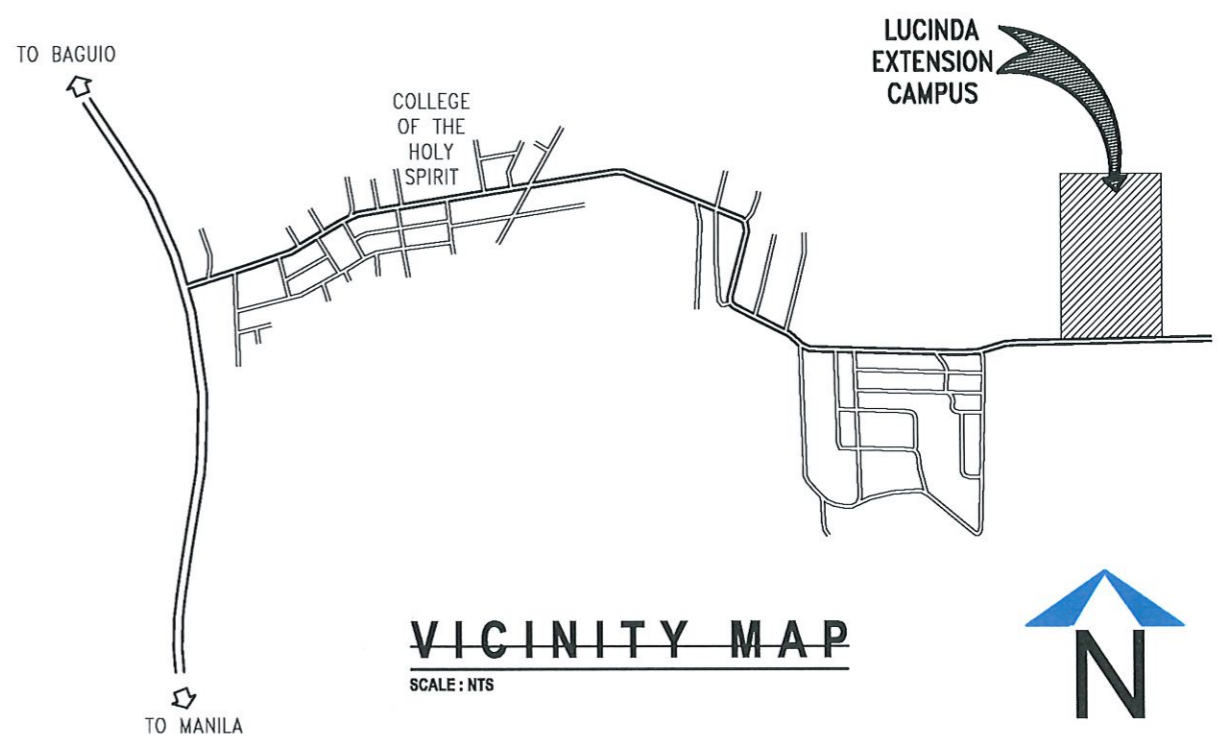
 DR. ARNOLD E. VELASCO
 PRESIDENT

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LOCATION MAP
SCALE 1:2000



VICINITY MAP
SCALE: NTS

GENERAL NOTES

1. GRADE OF THE HORIZONTAL PIPING:
RUN ALL HORIZONTAL PIPING IN PERFECT ALIGNMENT AT THE UNIFORM GRADE OF NOT LESS THAN (2%).
2. CHANGES IN DIRECTION:
ALL CHANGES IN DIRECTION SHALL BE MADE BY THE APPROPRIATE USE OF 45° WYE, LONG SWEEP QUATER BEND, SIXTH, EIGHT, 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 ON VENT PIPES.
3. PROHIBITED FITTINGS:
NO DOUBLE TEE BRANCHES SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES, DRILLING & TRAPPINGS OF HOUSE DRAINS, WASTE OR VENT PIPES AND USE OF SADDLE HUB AND BENDS ARE PROHIBITED.
4. SLEEVES:
PROVIDE THE PIPE SLEEVES AT WALLS, COLUMNS OR SLAB ON SIZED BIGGER THAN THE ACTUAL SIZE OF THE PIPE PASSING THROUGH WALLS OR UNDER SLABS TO PROTECT PIPES FROM BREAKAGE.
5. PIPES CLEANOUTS:
CLEANOUTS ARE REQUIRED EVERY CHANGE IN HORIZONTAL DIRECTION EXCEEDING TWENTY - TWO AND HALF DEGREES (22 1/2°).
6. DEAD ENDS AVOIDED:
IN THE INTALLATIONS OF PLUMING SYSTEM DEAD ENDS SHALL BE AVOIDED.
7. ALL PLUMBING WORKS:
ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL PLUMBING CODE, REQUIREMENTS OF THE PLUMBING INSPECTION OFFICE AND PERTINENT PROVISIONS OF THE NATIONAL BUILDING CODE.

LEGENDS

SP	SOIL PIPE	FD	FLOOR DRAIN	—	EXISTING PVC PIPES
WP	WASTE PIPE	CO	CLEANOUT	—	3" Ø PVC S1000 WASTE PIPES
VP	VENT PIPE	URI	URINAL	—	2" Ø PVC S1000 WASTE PIPES
SS	SOIL STACK	WC	WATER CLOSET	—	2" Ø PVC S1000 VENT PIPES
VS	VENT STACK	LAV	LAVATORY	—	25MM Ø PPR PIPE PN20
VTW	VENT THRU WALL	GV	GATE VALVE	—	EXISTING PPR PIPES
SVTR	STACK VENT THRU ROOF	CV	CHECK VALVE	—	1" Ø PVC BLUE PIPES
FCO	FLOOR CLEANOUT	CCO	CEILING CLEANOUT		

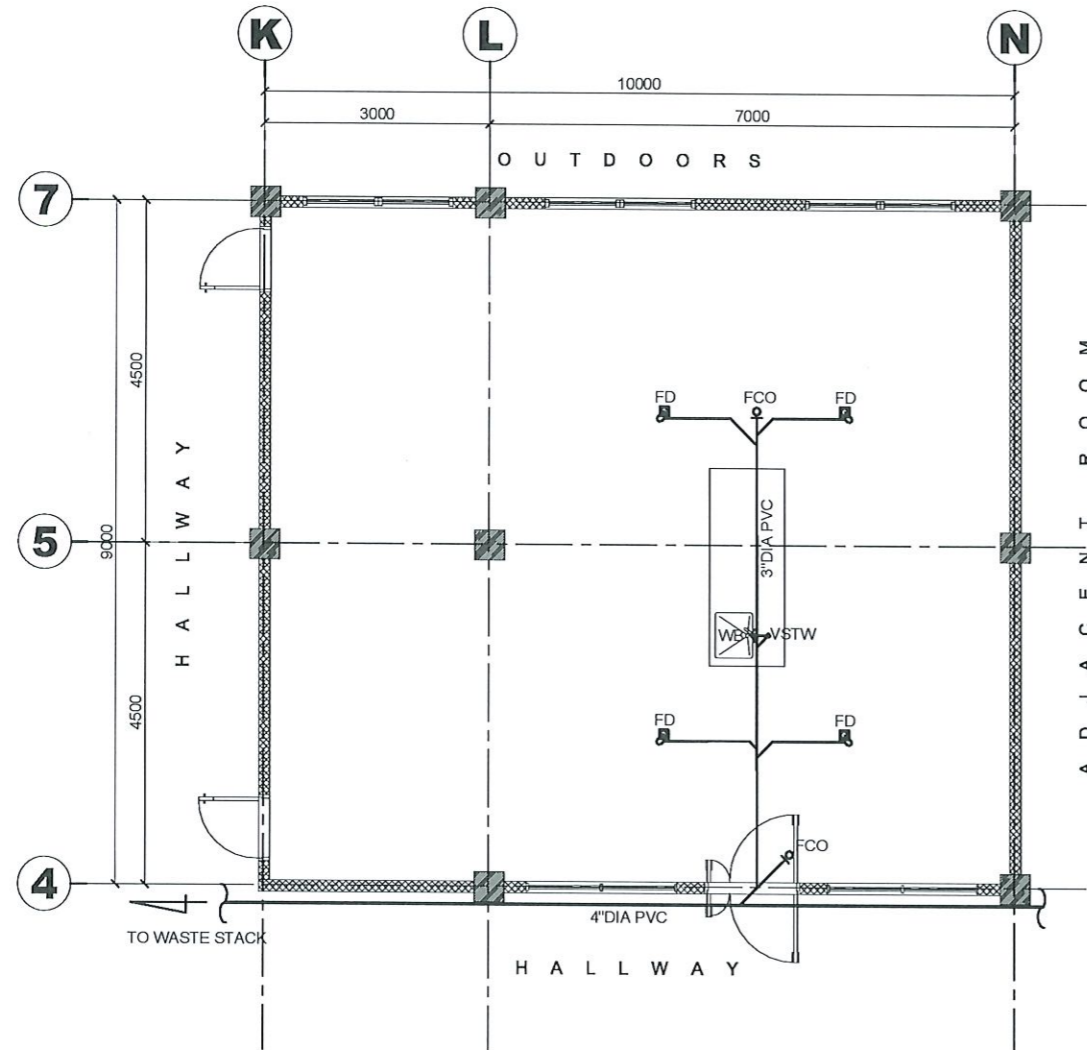


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Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

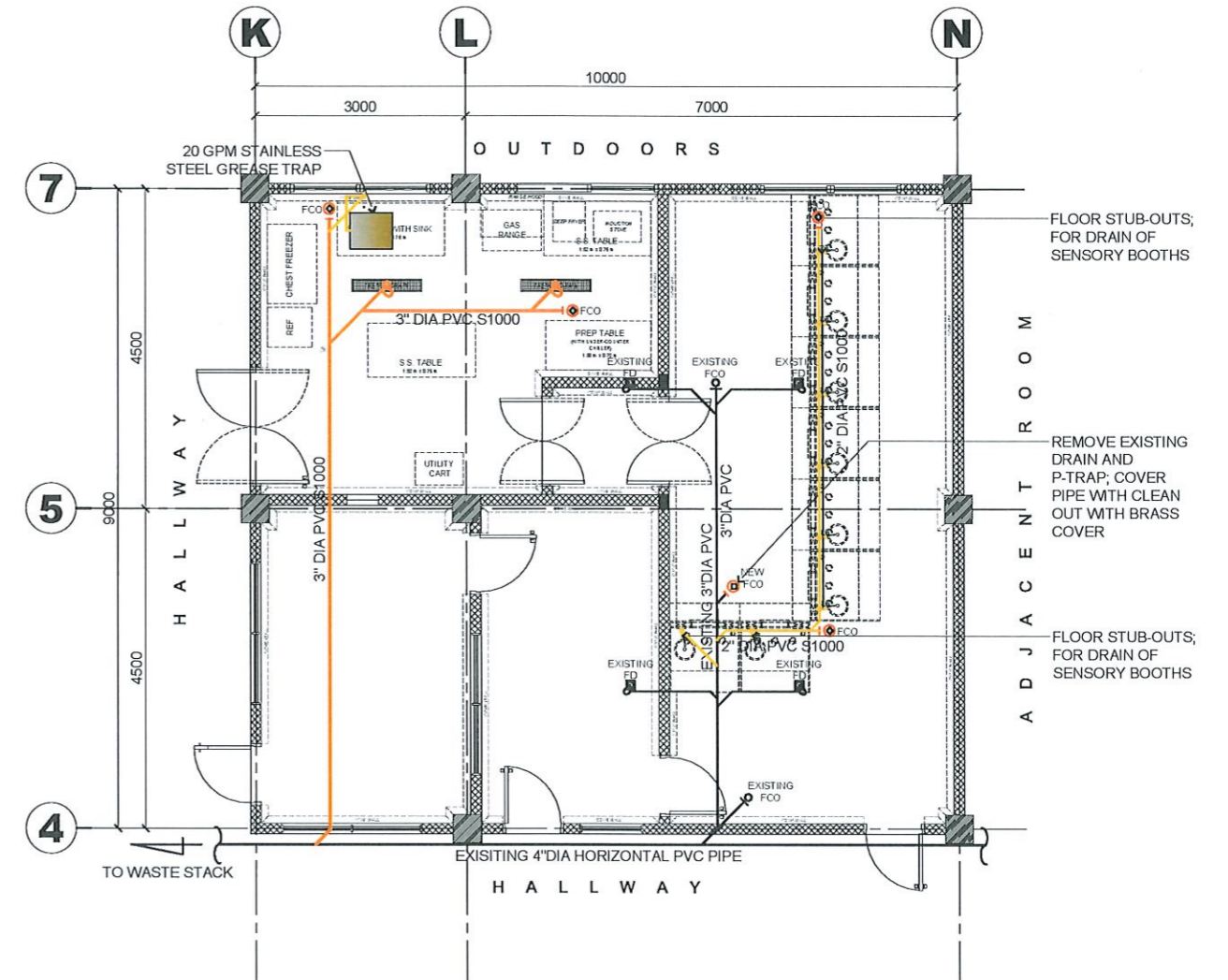
PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: <i>Paulo A. Doctor</i> AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-POU	CHECKED BY: <i>Cherry L. Fabianes</i> AR. CHERRY L. FABIANES HEAD, OFDM-POU	CERTIFIED BY: <i>Arden M. Guieb</i> AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: <i>Leah T. Matias</i> DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: <i>Wilmark J. Ramos</i> ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: <i>Arnold E. Velasco</i> DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: P-01 PAGE NO: 44/51
PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: NOVEMBER 2024	

NOTE:

- WORK INCLUDES SUPPLY AND INSTALLATION OF STAINLESS STEEL GREASE TRAP



SENSORY LABORATORY ROOM
EXISTING SANITARY LAYOUT
1:100 MTS



SENSORY LABORATORY ROOM
PROPOSED SANITARY LAYOUT
1:100 MTS

LEGEND	
	EXISTING PVC PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES
	25MM Ø PPR PIPE PN20
	EXISTING PPR PIPES
	1" Ø PVC BLUE PIPES



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PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MATIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:

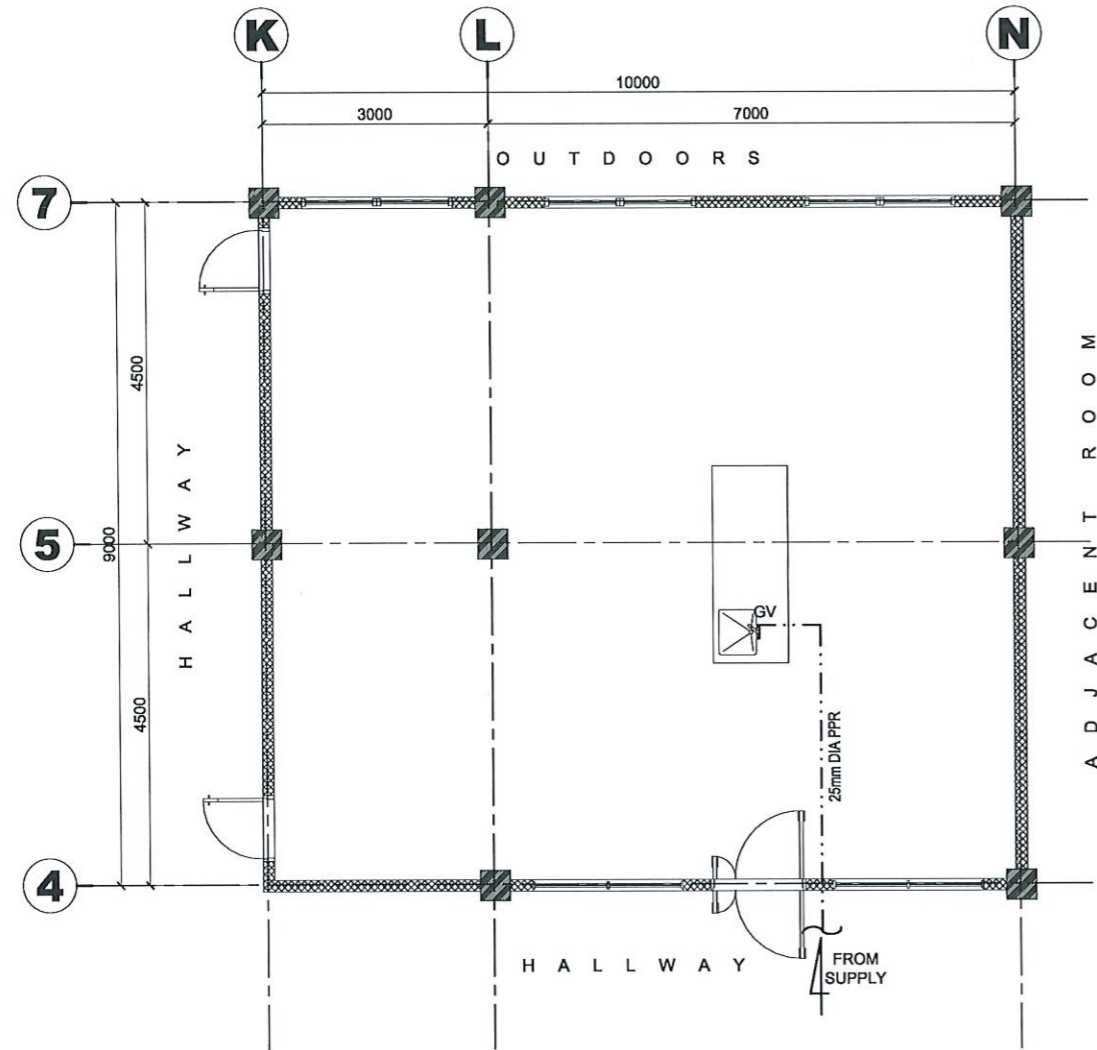
ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

APPROVED:

DR. ARNOLD E. VELASCO
PRESIDENT

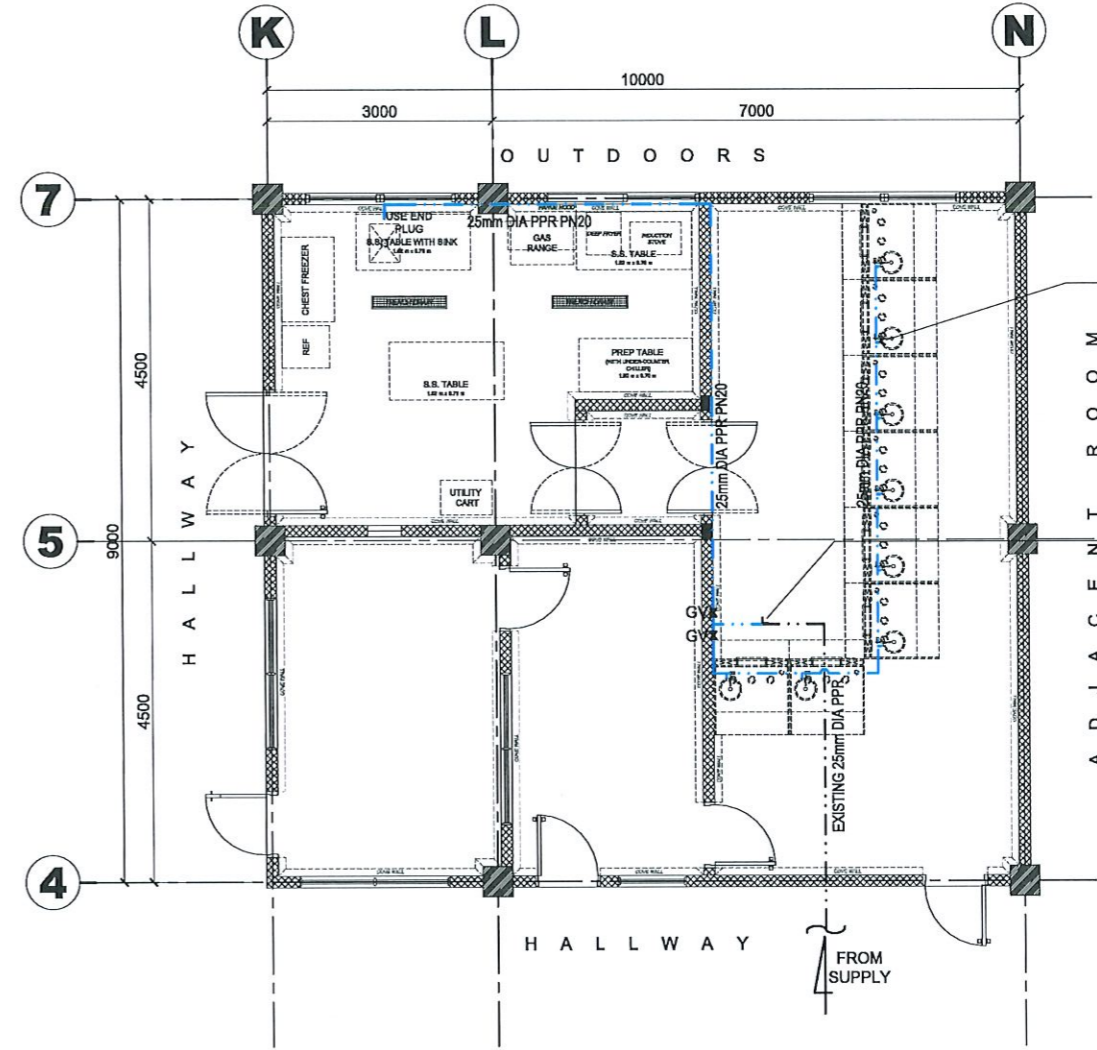
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SENSORY LABORATORY ROOM
EXISTING WATERLINE LAYOUT

1:100 MTS



SENSORY LABORATORY ROOM
PROPOSED WATERLINE LAYOUT

1:100 MTS

LEGEND	
	EXISTING PVC PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES
	25MM Ø PPR PIPE PN20
	EXISTING PPR PIPES
	1" Ø PVC BLUE PIPES



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

PROJECT TITLE:
REFURBISHMENT OF LABORATORIES AT CFTR BUILDING
WITH SITE DEVELOPMENT
PROJECT LOCATION:
LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

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

CHECKED BY:

AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEAH T. MARTIAS
DIRECTOR, CFTR

RECOMMENDING APPROVAL:

ATTY. WILMARK J. RAMOS, DBA
VP FOR ADMINISTRATION

APPROVED:

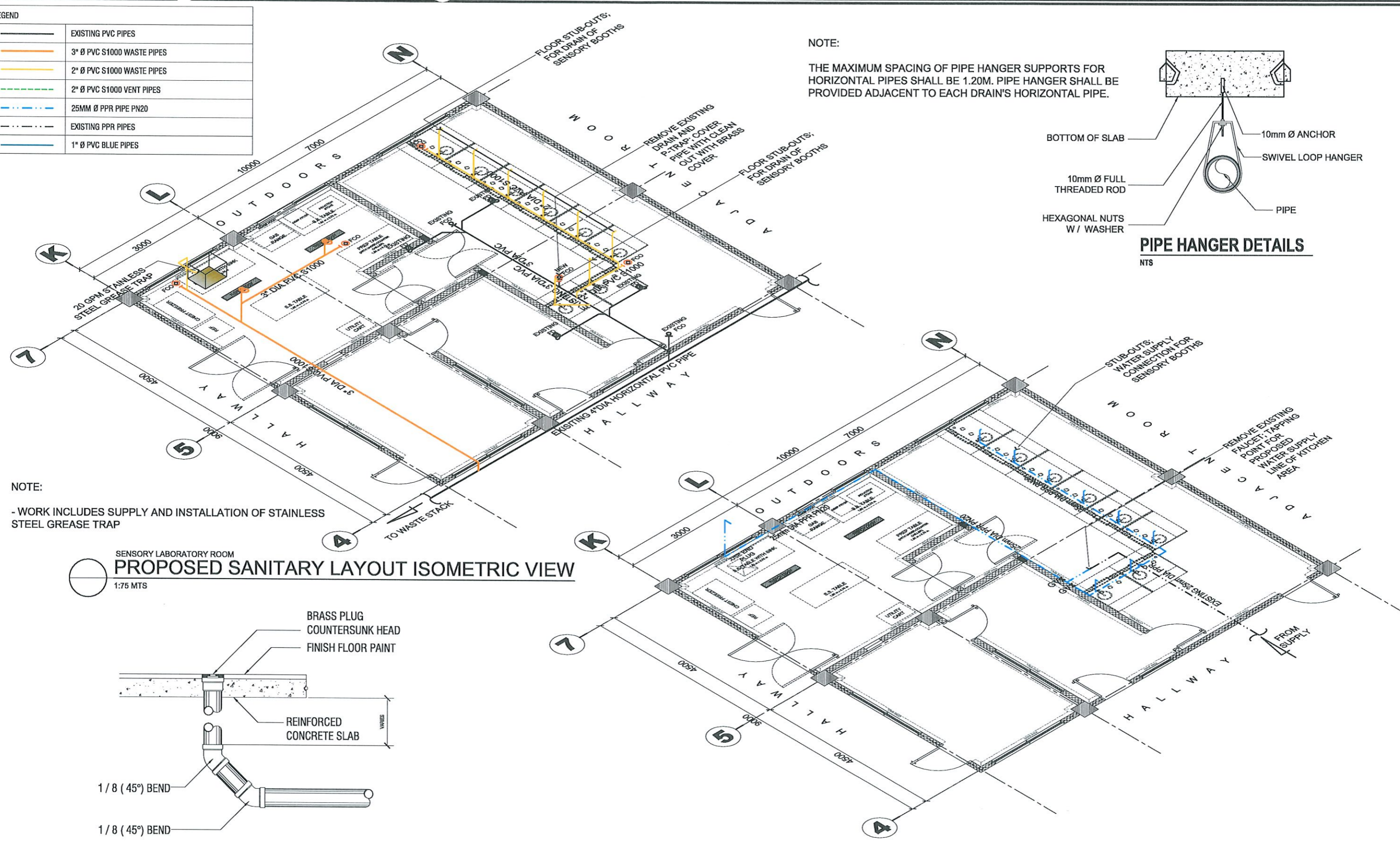
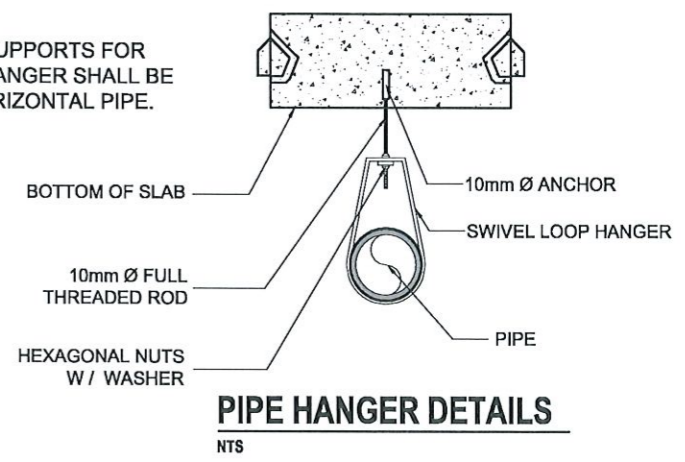
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
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DATE: NOVEMBER 2024

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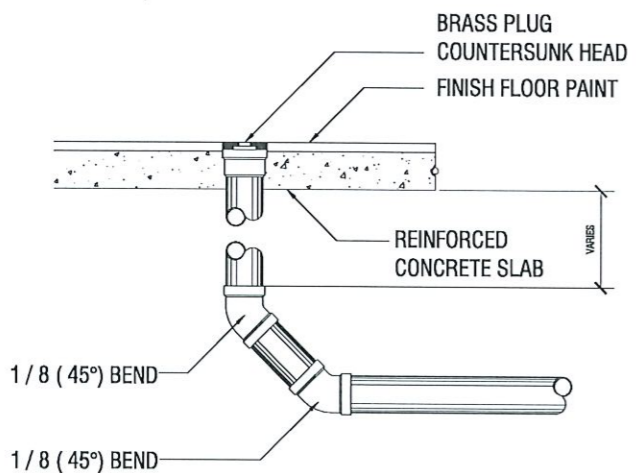
LEGEND	
	EXISTING PVC PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES
	25MM Ø PPR PIPE PN20
	EXISTING PPR PIPES
	1" Ø PVC BLUE PIPES

NOTE:
THE MAXIMUM SPACING OF PIPE HANGER SUPPORTS FOR HORIZONTAL PIPES SHALL BE 1.20M. PIPE HANGER SHALL BE PROVIDED ADJACENT TO EACH DRAIN'S HORIZONTAL PIPE.



NOTE:
- WORK INCLUDES SUPPLY AND INSTALLATION OF STAINLESS STEEL GREASE TRAP

SENSORY LABORATORY ROOM
PROPOSED SANITARY LAYOUT ISOMETRIC VIEW
1:75 MTS

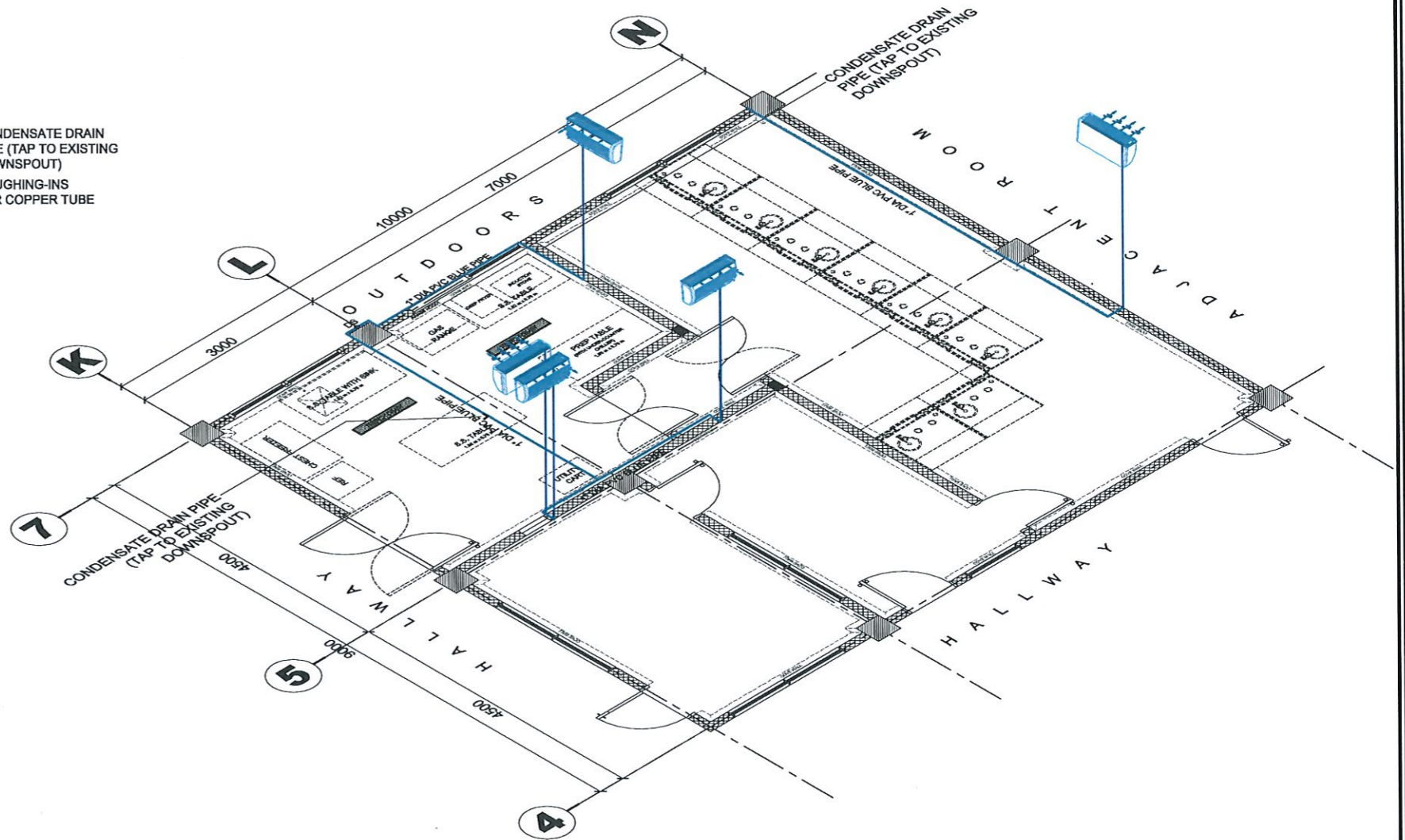
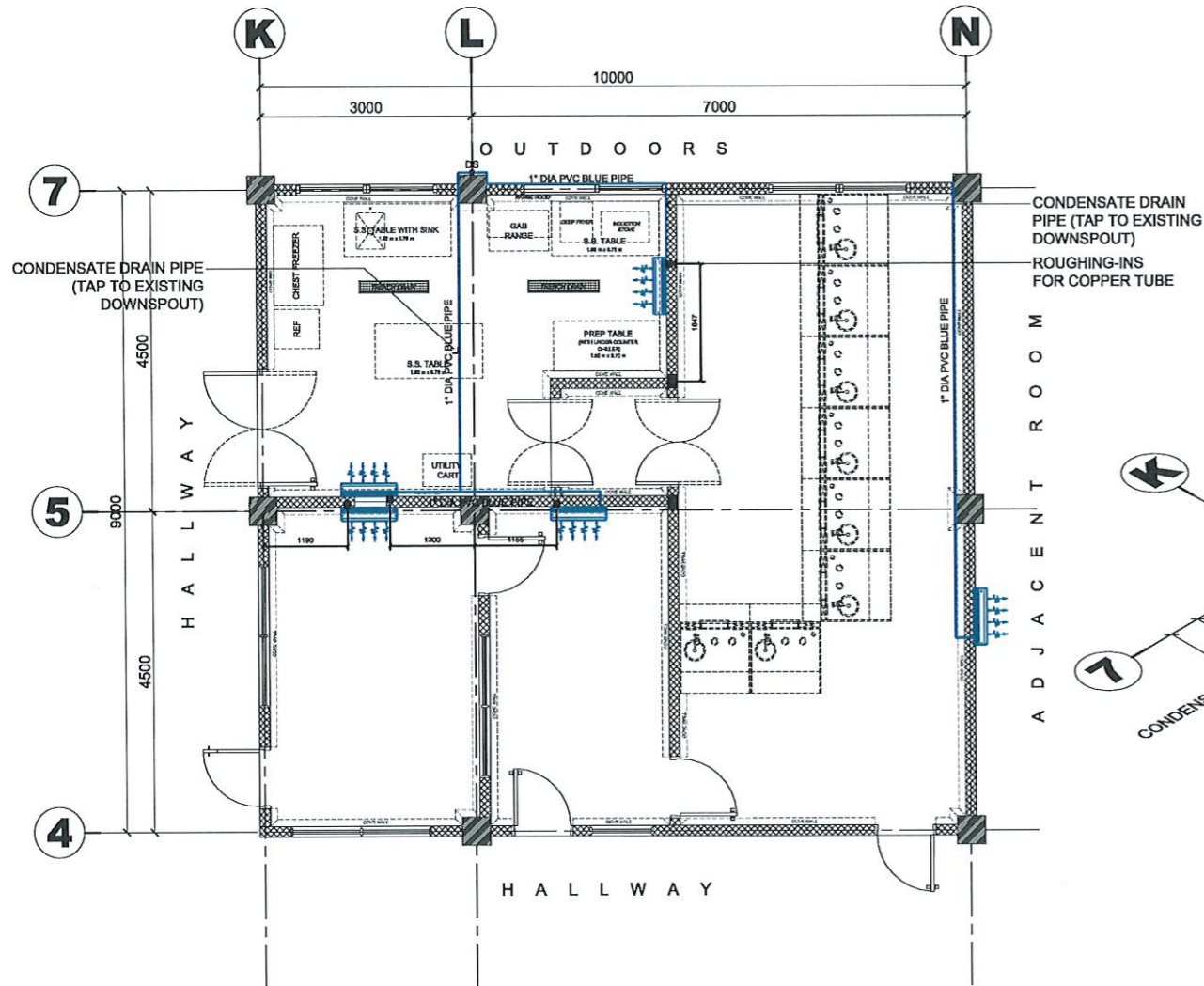


SENSORY LABORATORY ROOM
PROPOSED WATERLINE LAYOUT ISOMETRIC VIEW
1:75 MTS

<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE: REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY: AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL: ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: P-04	
	PROJECT LOCATION: LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								DATE: NOVEMBER 2024	PAGE NO: 47/51

NOTE:
 - CONCEAL ALL CONDENSATE DRAIN PIPE

LEGEND	
	EXISTING PVC PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES
	25MM Ø PPR PIPE PN20
	EXISTING PPR PIPES
	1" Ø PVC BLUE PIPES



SENSORY LABORATORY ROOM
PROPOSED CONDENSATE DRAIN PIPE LAYOUT

1:100 MTS

SENSORY LABORATORY ROOM
PROPOSED CONDENSATE DRAIN PIPE LAYOUT ISOMETRIC VIEW

1:75 MTS



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

PROJECT TITLE:
 REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT

PROJECT LOCATION:
 LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

 ENGR. JOHN MYRO B. GANARA
 MECHANICAL ENGINEER, OFDM-MIU

CHECKED BY:

 AR. CHERRY L. FABIANES
 HEAD, OFDM-POU

CERTIFIED BY:

 AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

 DR. LEAH T. MATIAS
 DIRECTOR, CFTR

RECOMMENDING APPROVAL:

 ATTY. WILMARK J. RAMOS, DBA
 VP FOR ADMINISTRATION

APPROVED:

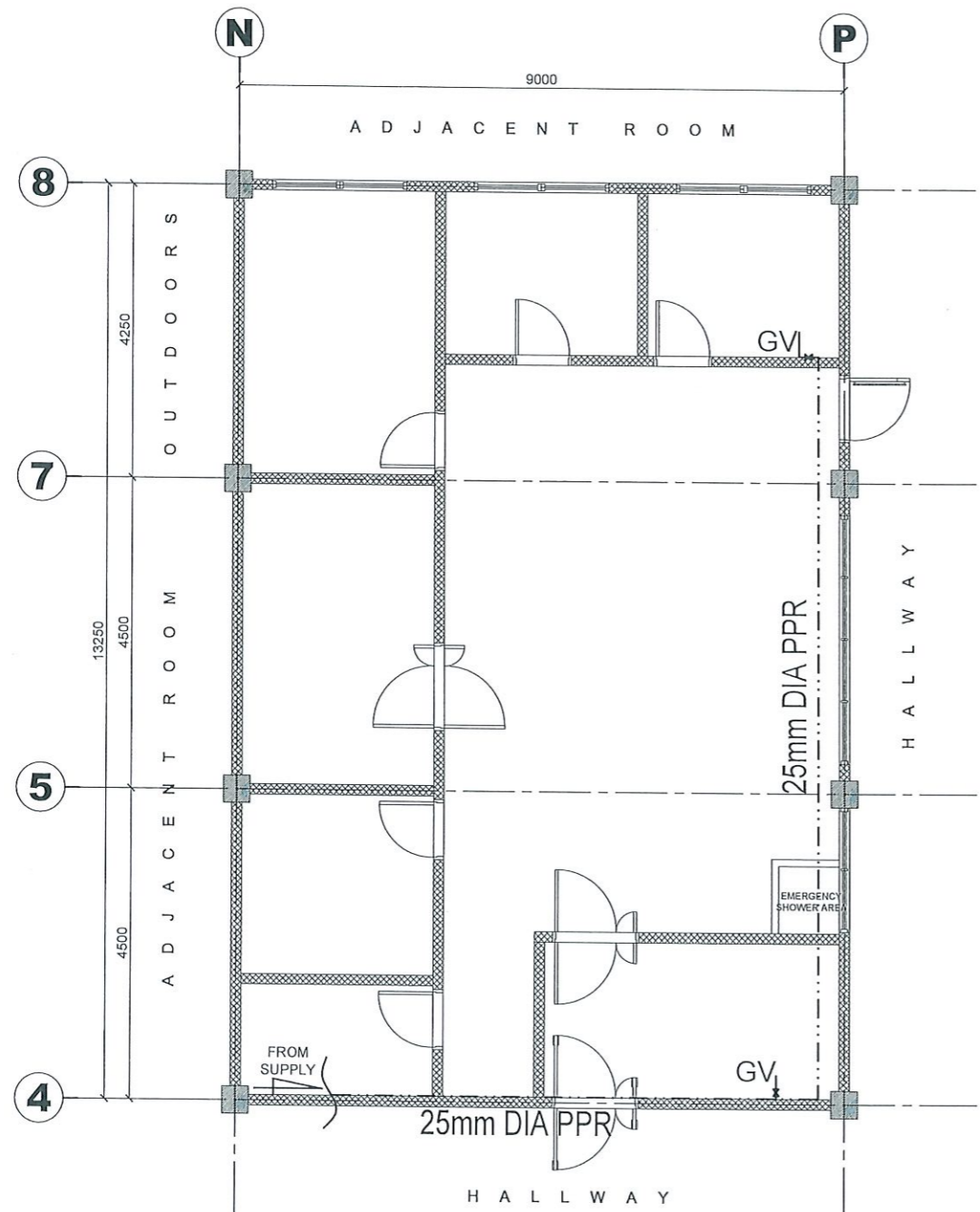
 DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
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DATE: NOVEMBER 2024

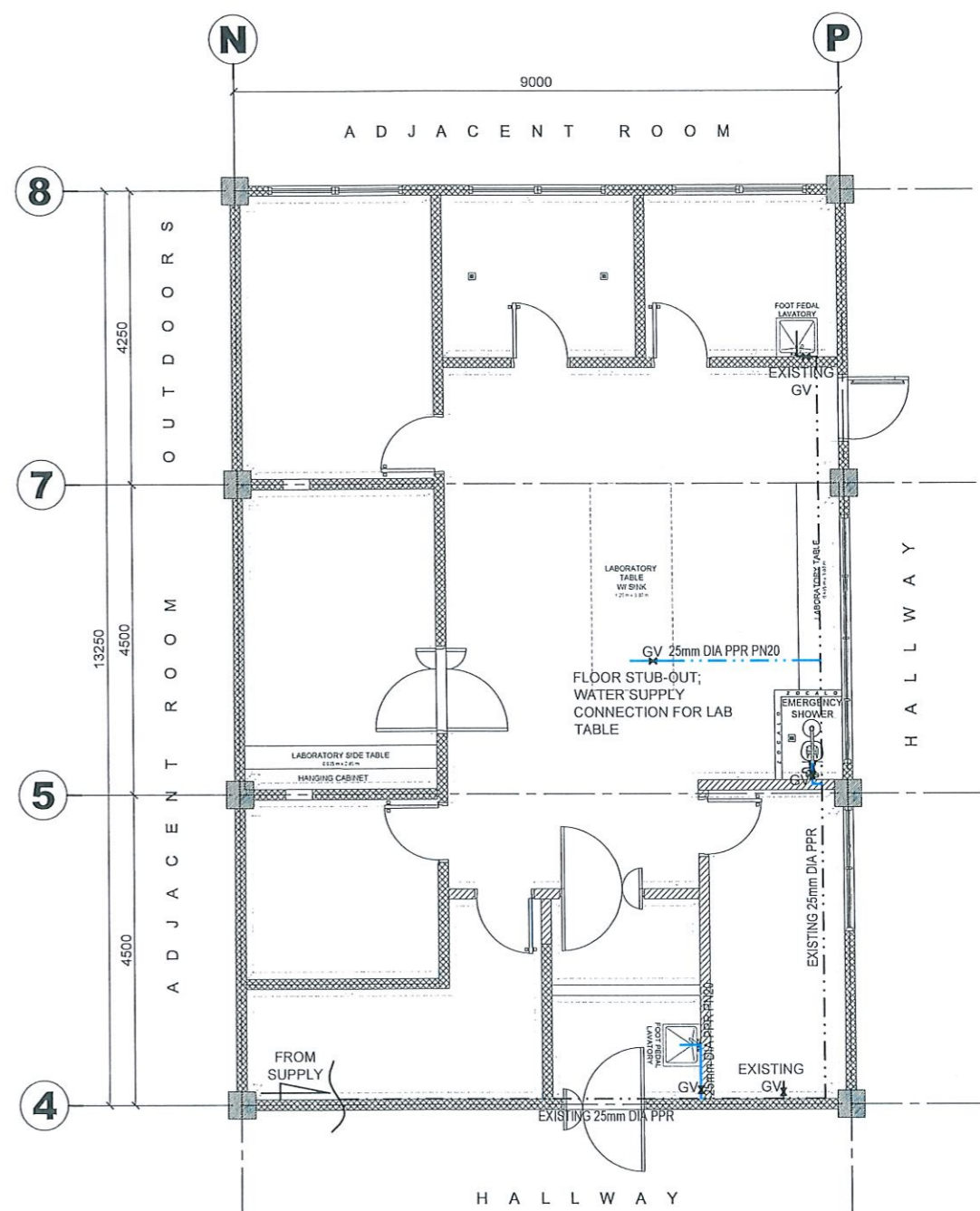
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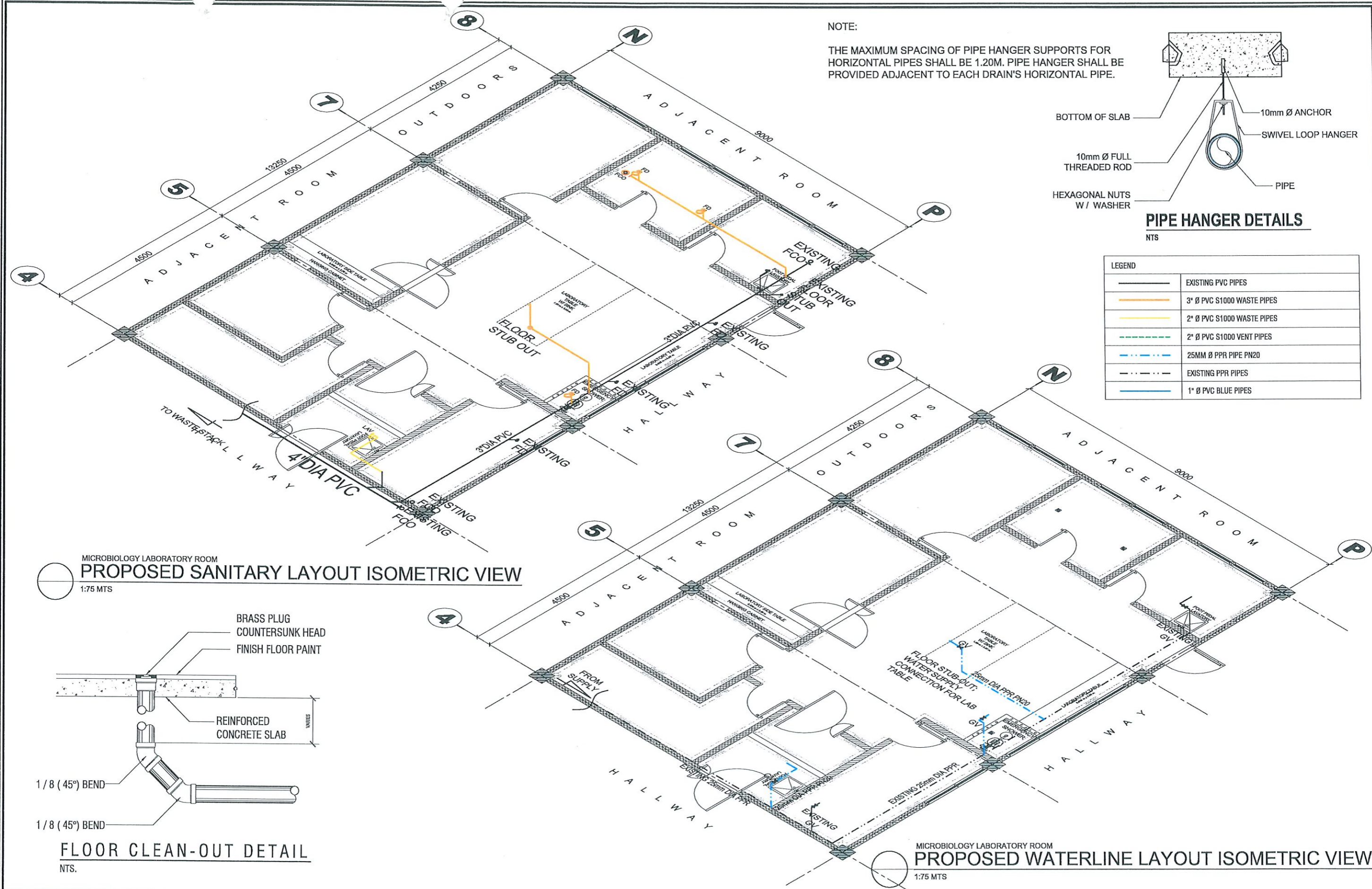
MICROBIOLOGY LABORATORY ROOM
EXISTING SANITARY LAYOUT
 1:100 MTS

LEGEND	
	EXISTING PVC PIPES
	3" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 WASTE PIPES
	2" Ø PVC S1000 VENT PIPES
	25MM Ø PPR PIPE PN20
	EXISTING PPR PIPES
	1" Ø PVC BLUE PIPES



MICROBIOLOGY LABORATORY ROOM
PROPOSED SANITARY LAYOUT
 1:100 MTS

TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEAH T. MATIAS DIRECTOR, CFTR	ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	P-07
	PROJECT LOCATION:	LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY						DATE: NOVEMBER 2024	PAGE NO: 50/51



<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	REFURBISHMENT OF LABORATORIES AT CFTR BUILDING WITH SITE DEVELOPMENT	PREPARED BY:	AR. PAULO A. DOCTOR, RMP ARCHITECT/MASTER PLUMBER, OFDM-PDU	CHECKED BY:	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY:	AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE:	DR. LEAH T. MATIAS DIRECTOR, CFTR	RECOMMENDING APPROVAL:	ATTY. WILMARK J. RAMOS, DBA VP FOR ADMINISTRATION	APPROVED:	DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS:	AS SHOWN	SHEET NO.:	P-08
	PROJECT LOCATION:	LUCINDA EXTENSION CAMPUS, TARLAC STATE UNIVERSITY																
															DATE: NOVEMBER 2024	51/51		