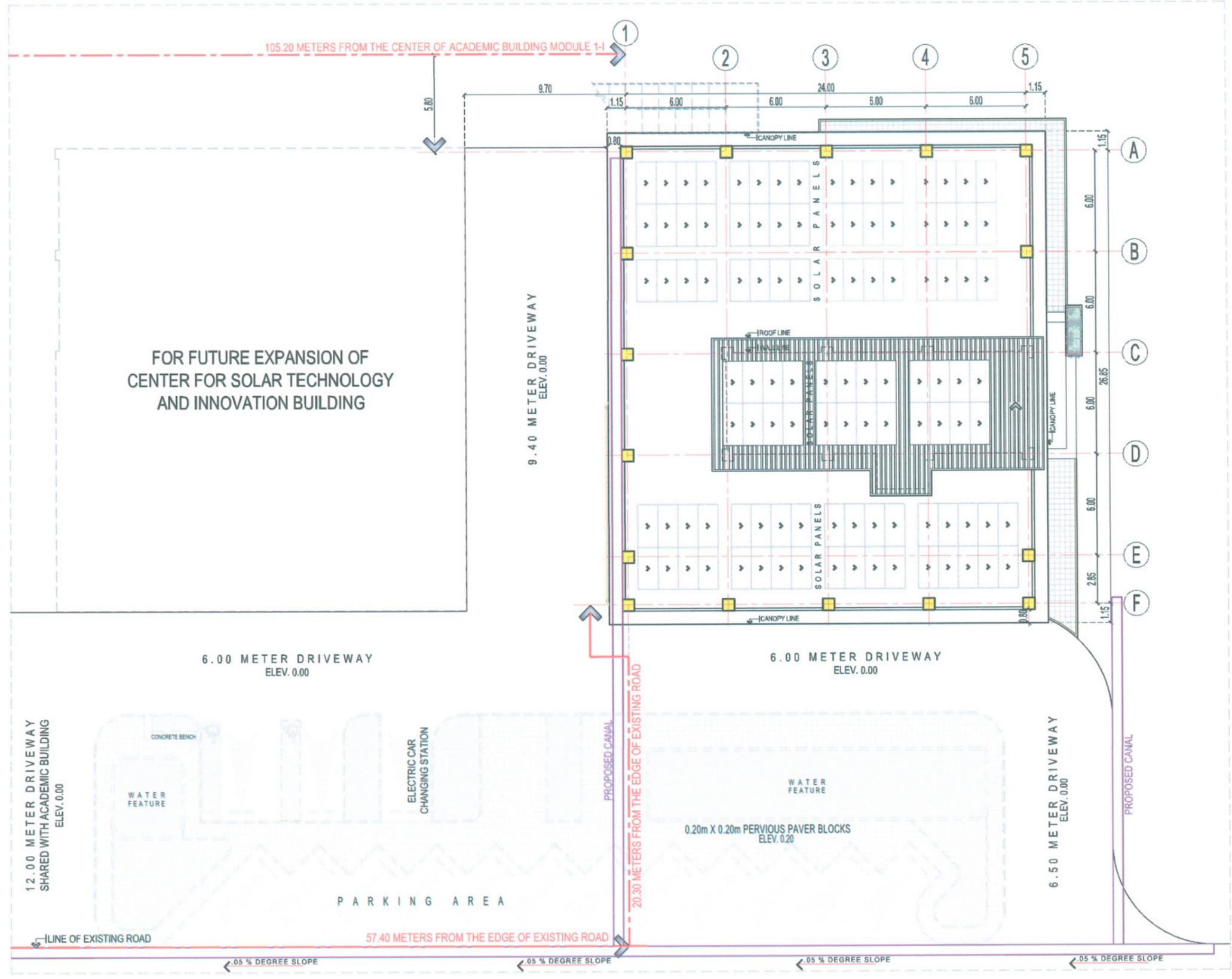


Center for Solar Technology and Innovation Building

LOCATION MAP

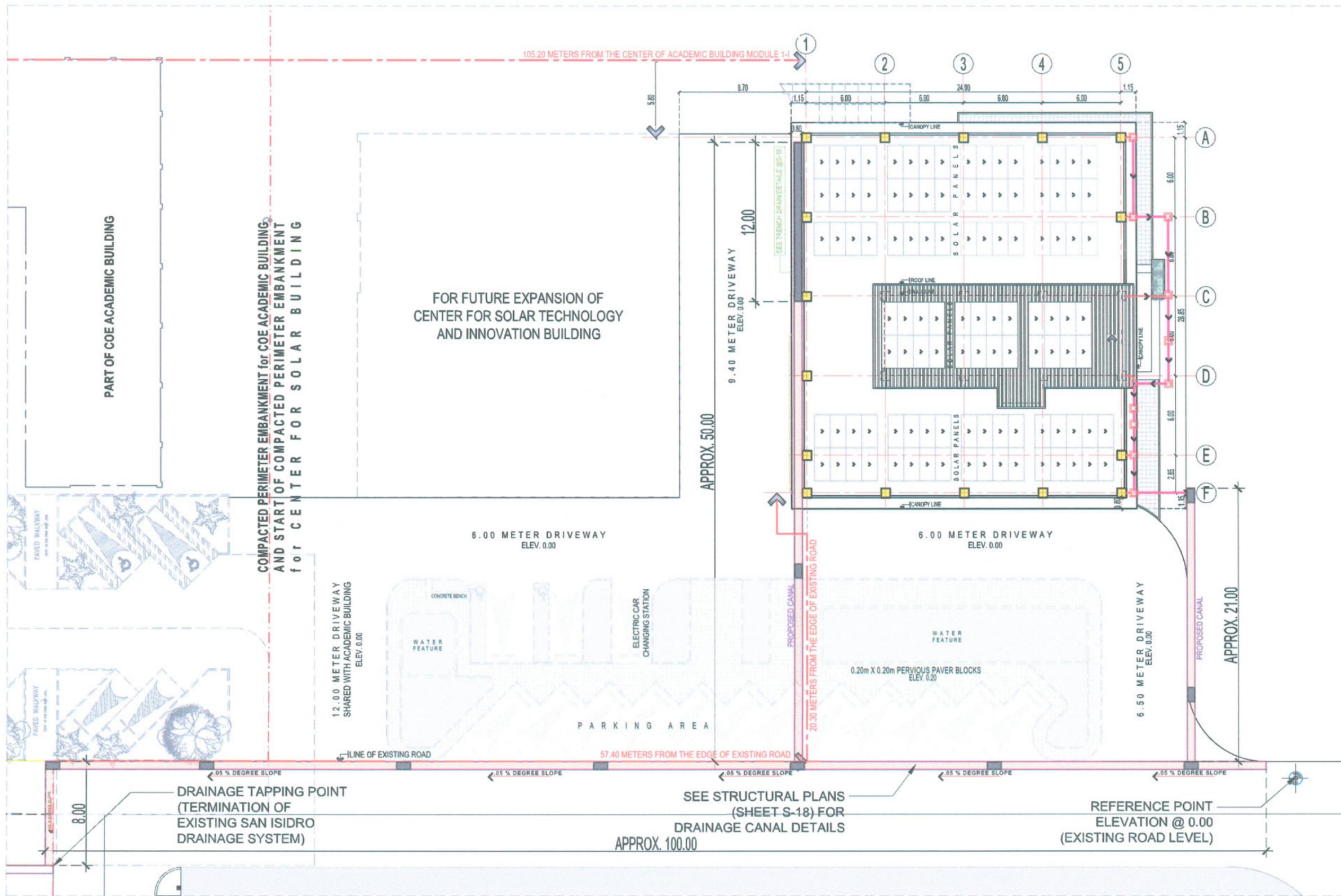
  <p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	AR. JHON CARLO V. MAMACLAY						AS SHOWN	A-02
	PROJECT LOCATION:	AR. ALBERT S. ERMITANIO	AR. CHERRY L. FABIANES	AR. ARLEN M. GUIEB	DR. LEO P. PIAO	ATTY. GERONIMO C. BENITEZ	DR. ARNOLD E. VELASCO	DATE: 2025	PAGE NO.:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DRAFTSMAN (PDM-PDU)	HEAD, OFDM-PDU	DIRECTOR, OFDM	DIRECTOR, CSET	VP FOR ADMINISTRATION	PRESIDENT		02/99	



SITE DEVELOPMENT PLAN

SCALE 1:250 M

 TARLAC STATE UNIVERSITY Facilities Development and Management Office Ramulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY:	AR. JHON CARLO V. MAMACLAY <i>(Signature)</i>	CHECKED BY:	AR. CHERRY L. FABIANES <i>(Signature)</i>	CERTIFIED BY:	AR. ARLEN M. GUIEB <i>(Signature)</i>	REQUESTING OFFICE:	DR. LEO P. PIAO <i>(Signature)</i>	RECOMMENDING APPROVAL:	ATTY. GHEROLD C. BENITEZ <i>(Signature)</i>	APPROVED:	DR. ARNOLD E. VELASCO <i>(Signature)</i>	SHEET CONTENTS:	AS SHOWN	SHEET NO:	A-03
	PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DATE:	2025	PAGE NO:	03/99												



PROPOSED DRAINAGE PLAN

SCALE 1:300 M

LEGEND: PROPOSED STEEL GRATING (@ EVERY 15.00m) VERIFY ON SITE

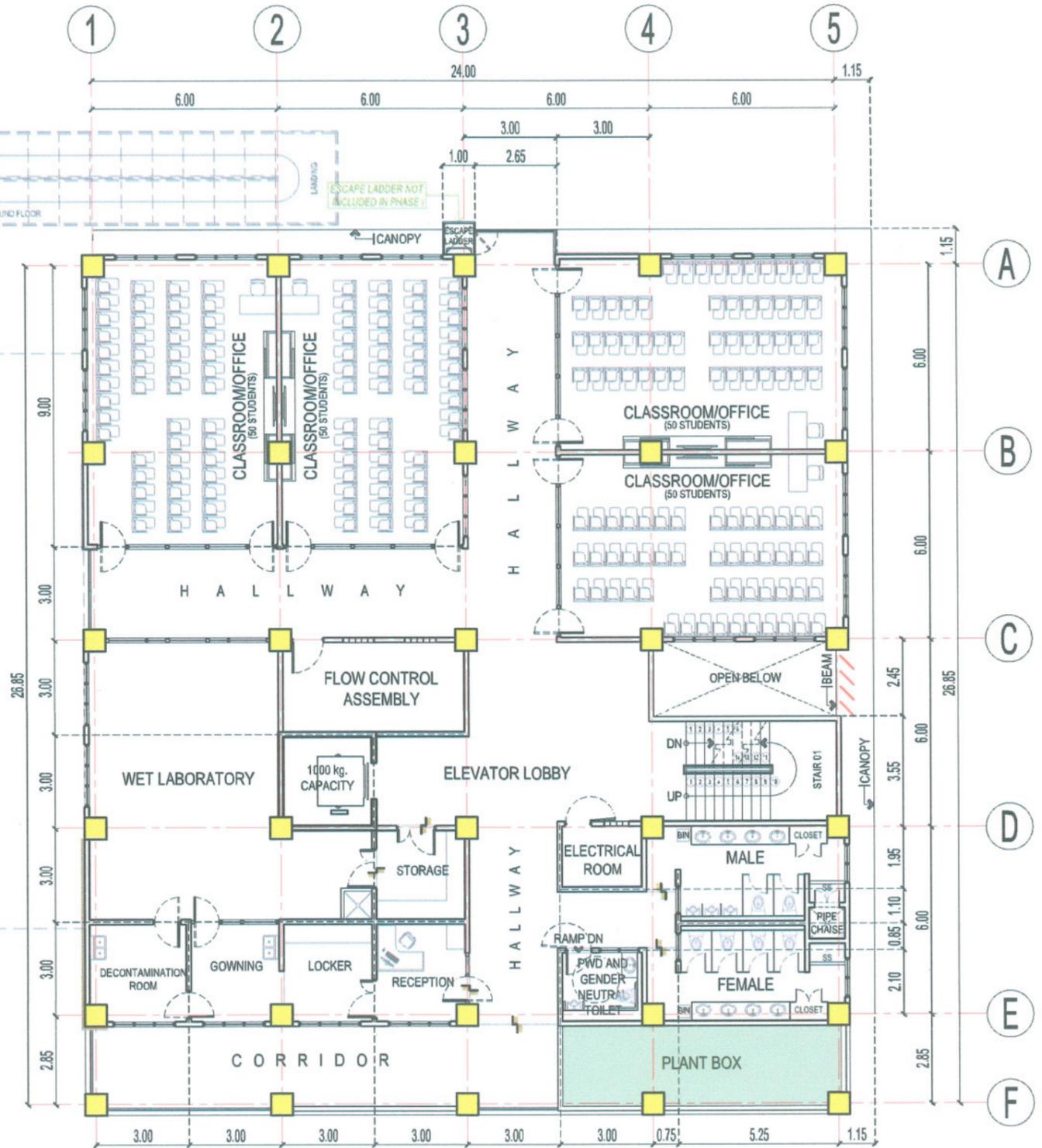
PROPOSED CANAL/ DRAINAGE LINE



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

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. JHON CARLO V. MAMAGLAY DRAFTSMAN, OPM-PDU	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. CHEVALD C. BENITEZ VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-04
PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DATE: 2025	PAGE NO: 04/99						

FOR FUTURE EXPANSION OF
CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING



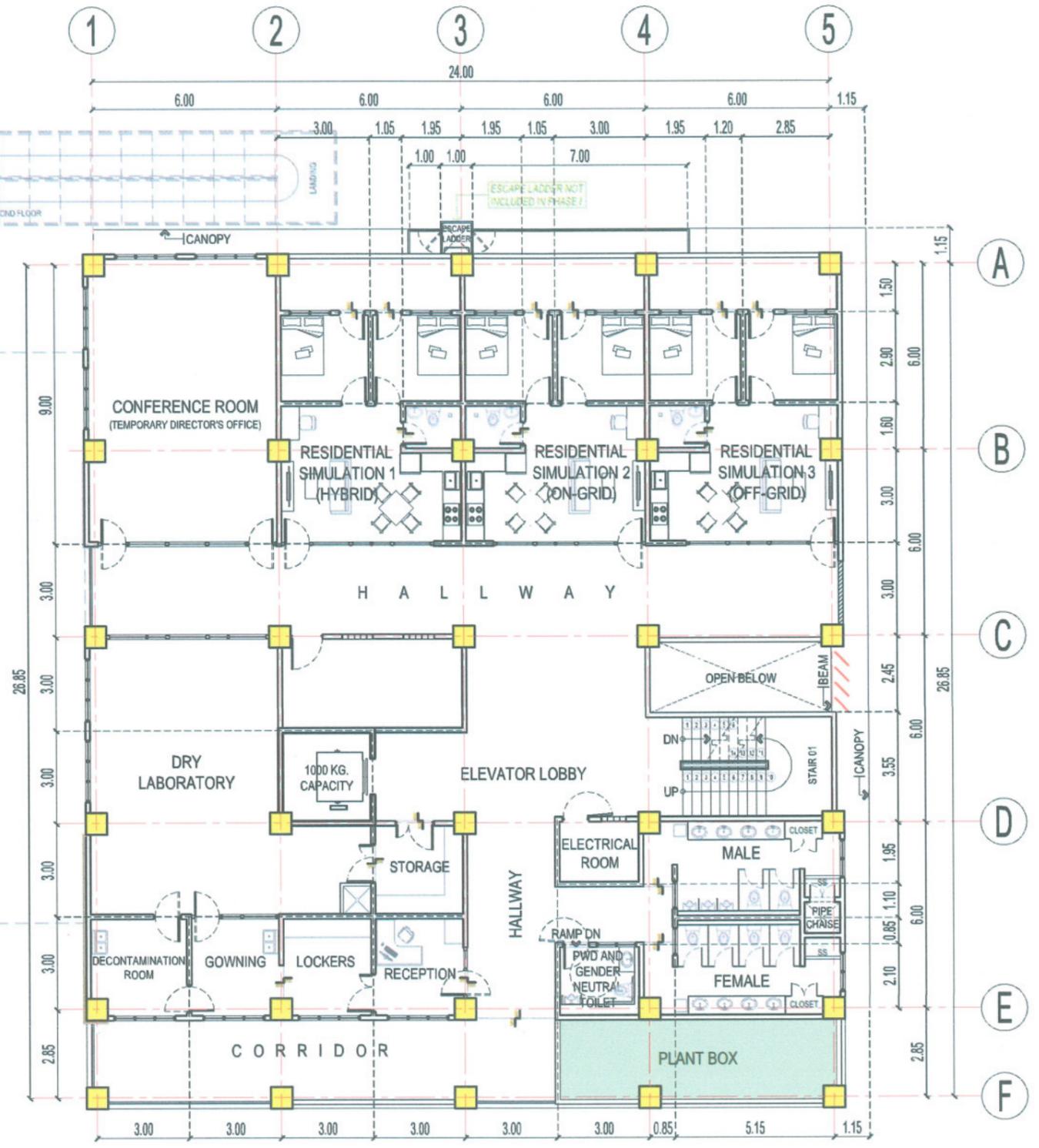
SECOND FLOOR PLAN

SCALE 1:175 M



 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY:  AR. JHON CARLO V. MAMACDAY <small>REGISTERED ARCHITECT, OFDM-PDU</small>	CHECKED BY:  AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY:  AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE:  DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL:  ATTY. GHEBOLD C. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED:  DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-06 PAGE NO: 06/99
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. ALDREY PERMITIANO <small>REGISTERED ARCHITECT, OFDM-PDU</small>	AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	ATTY. GHEBOLD C. BENITEZ <small>VP FOR ADMINISTRATION</small>	DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-06 PAGE NO: 06/99	

FOR FUTURE EXPANSION OF
CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING



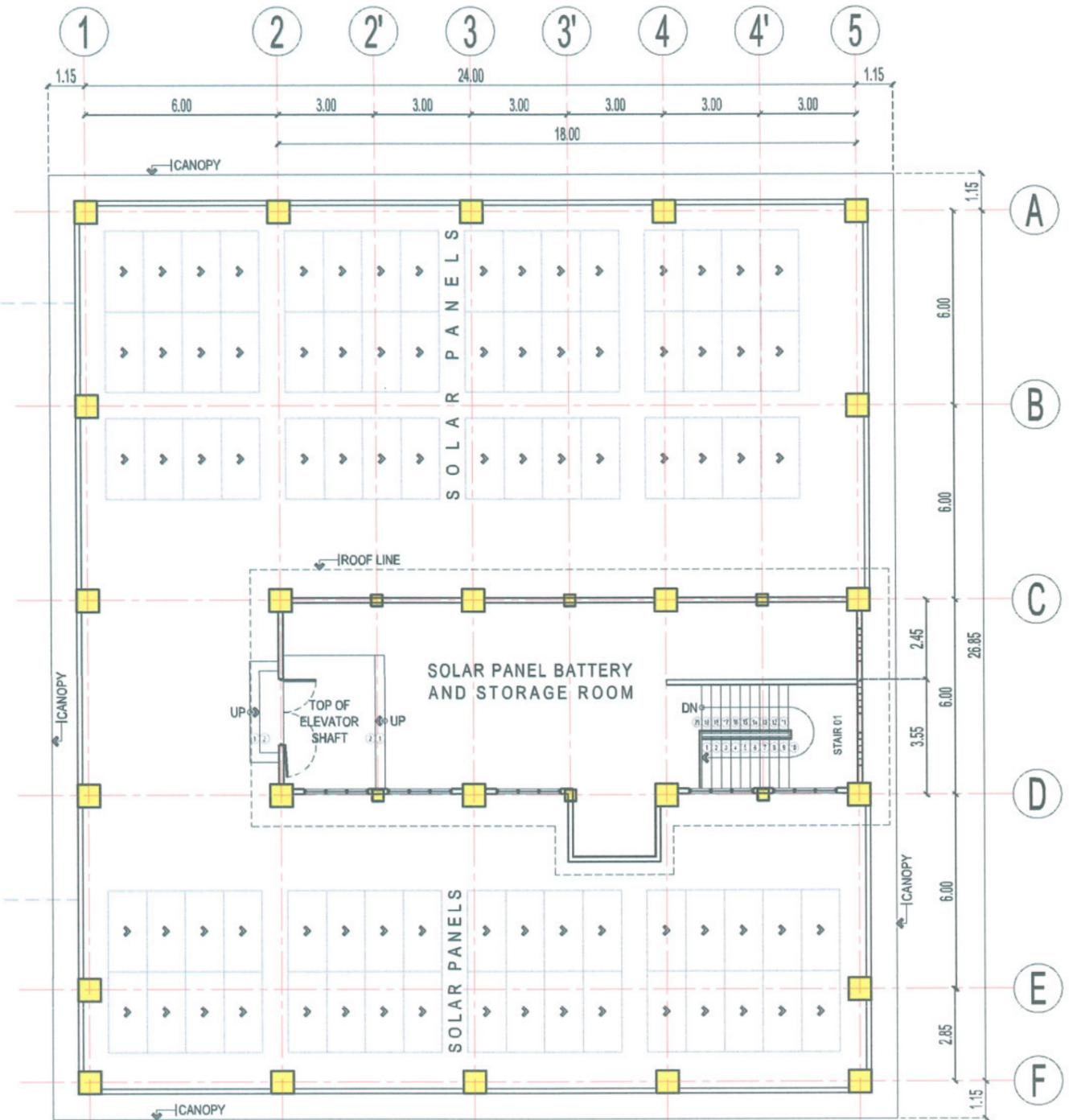
THIRD FLOOR PLAN

SCALE 1:175 M

 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY:  AR. JOHN CARLO V. MAMARLAY <small>DRAFTSMAN, OFDM-PDU</small>	CHECKED BY:  AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY:  AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE:  DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL:  ATTY. GEROLD B. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED:  DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO: A-07
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	PREPARED BY:  AR. ALDREUS B. RAMILANO <small>DRAFTSMAN, OFDM-PDU</small>	CHECKED BY: AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY: AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL: ATTY. GEROLD B. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED: DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO: A-07
								DATE: 2025	PAGE NO: 07/99



FOR FUTURE EXPANSION OF
CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING



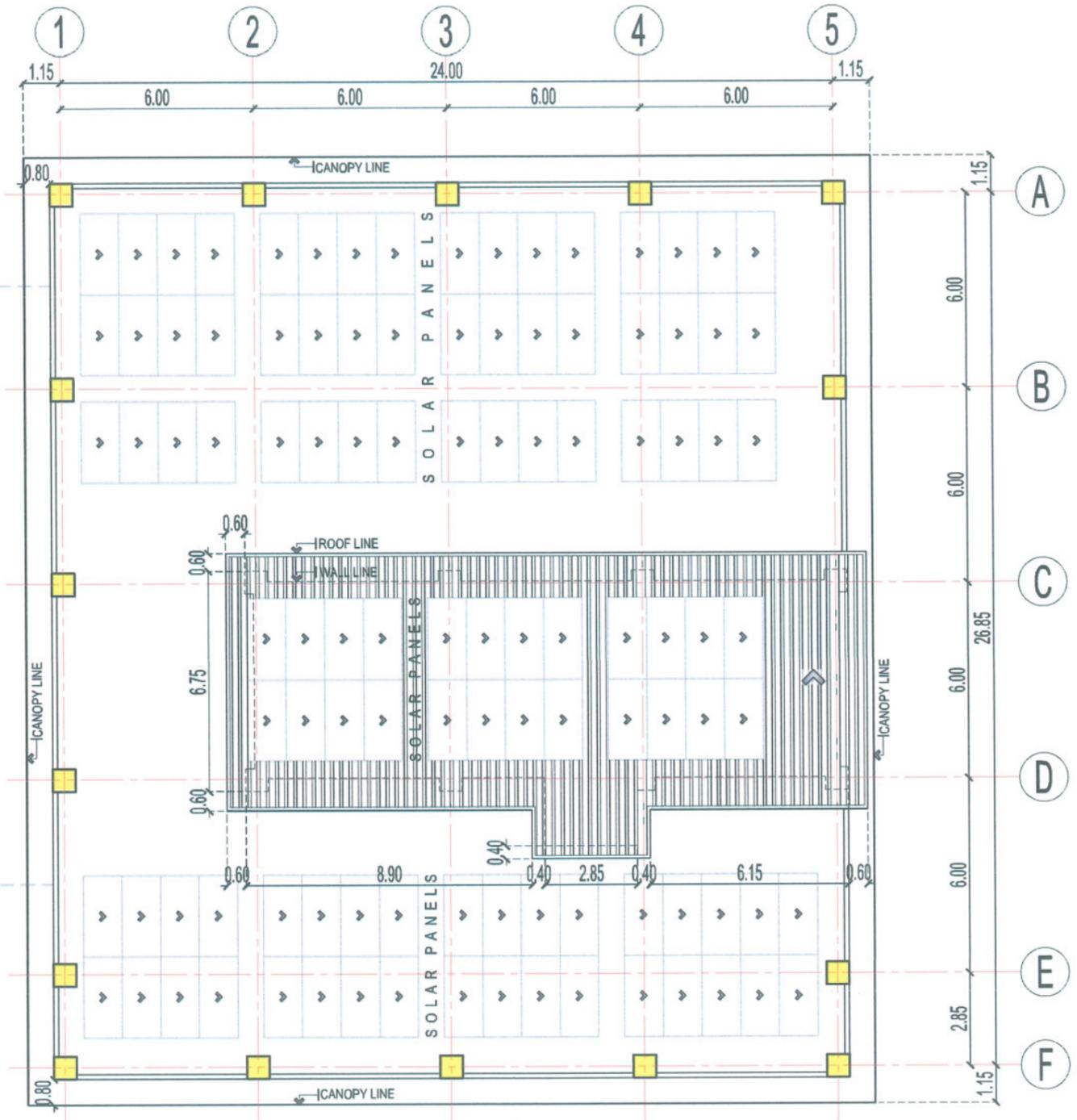
ROOF DECK PLAN

SCALE 1:175 M

 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. JHON CARLO V. MAMACRAY <small>DRAFTSMAN, OFDM-PDU</small>	CHECKED BY:  AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY:  AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE:  DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL:  ATTY. GHEROLD F. BENITEZ <small>OFFICE ADMINISTRATION</small>	APPROVED:  DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO: A-08
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. ALBERTO S. BERMUDEZ <small>DRAFTSMAN, OFDM-PDU</small>	DATE: 2025	PAGE NO: 08/99					

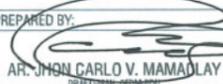
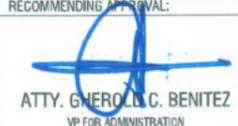


FOR FUTURE EXPANSION OF
CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING



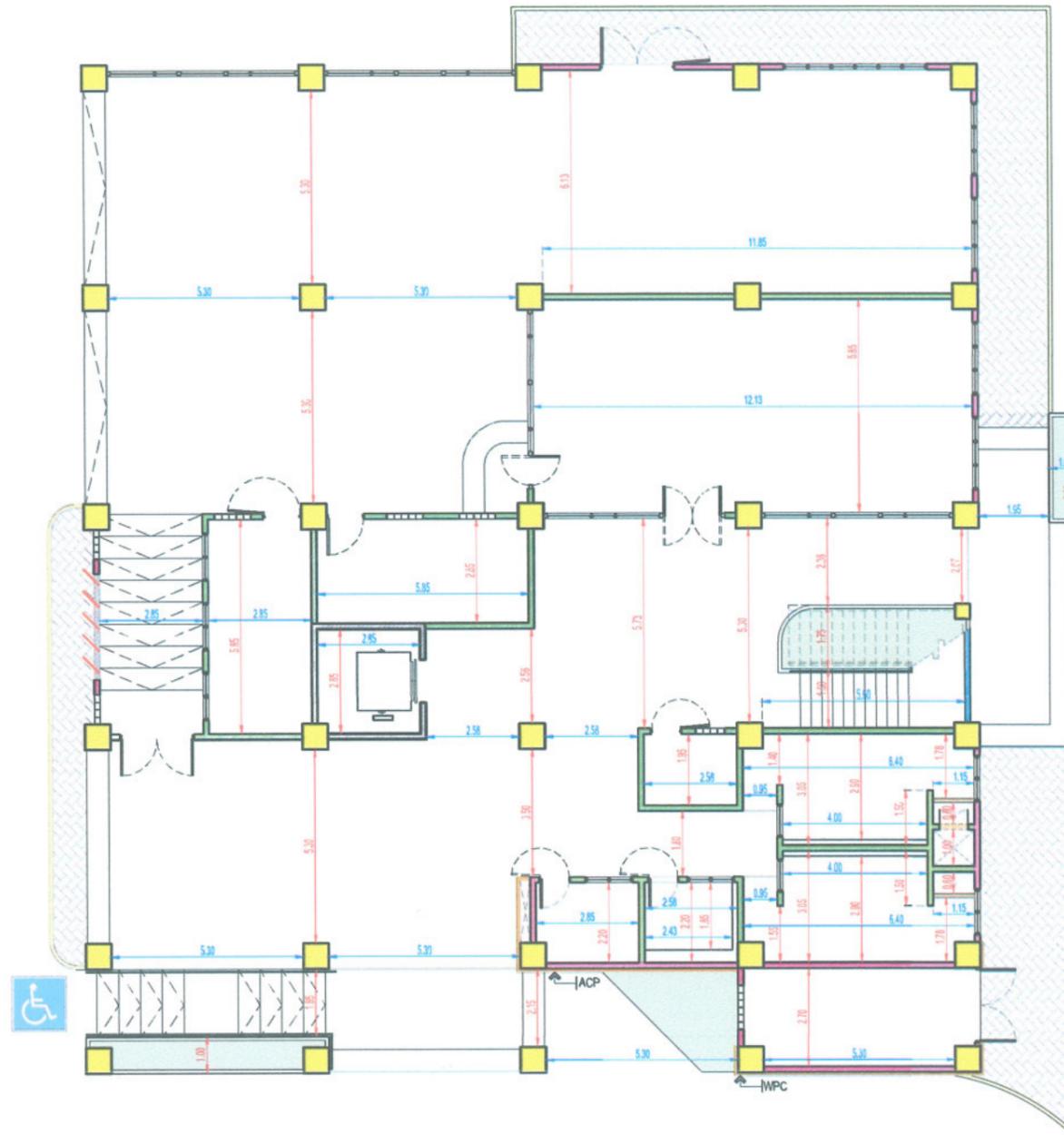
ROOF PLAN

SCALE 1:175 M

 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY:  AR. JOHN CARLO V. MAMATLAY <small>DRAFTSMAN/OFDM/PC</small>	CHECKED BY:  AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY:  AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE:  DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL:  ATTY. GHEROL L.C. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED:  DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO: A-09
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. ALDREY S. CANTASIDRO <small>DRAFTSMAN/OFDM/PC</small>	DATE: 2025	PAGE NO: 09/99					

LEGEND:

5" CHB. EXTERIOR WALL	
4" CHB. INTERIOR WALL	
4" CHB. 1.2m HIGH WALL	
4" CHB. 0.65m ZOCALO WALL	
4" CHB. 0.60m ZOCALO WALL	
SHEAR WALL	
DECO BLOCKS	



GROUND FLOOR WALL SETTING LAYOUT

SCALE 1:175 M

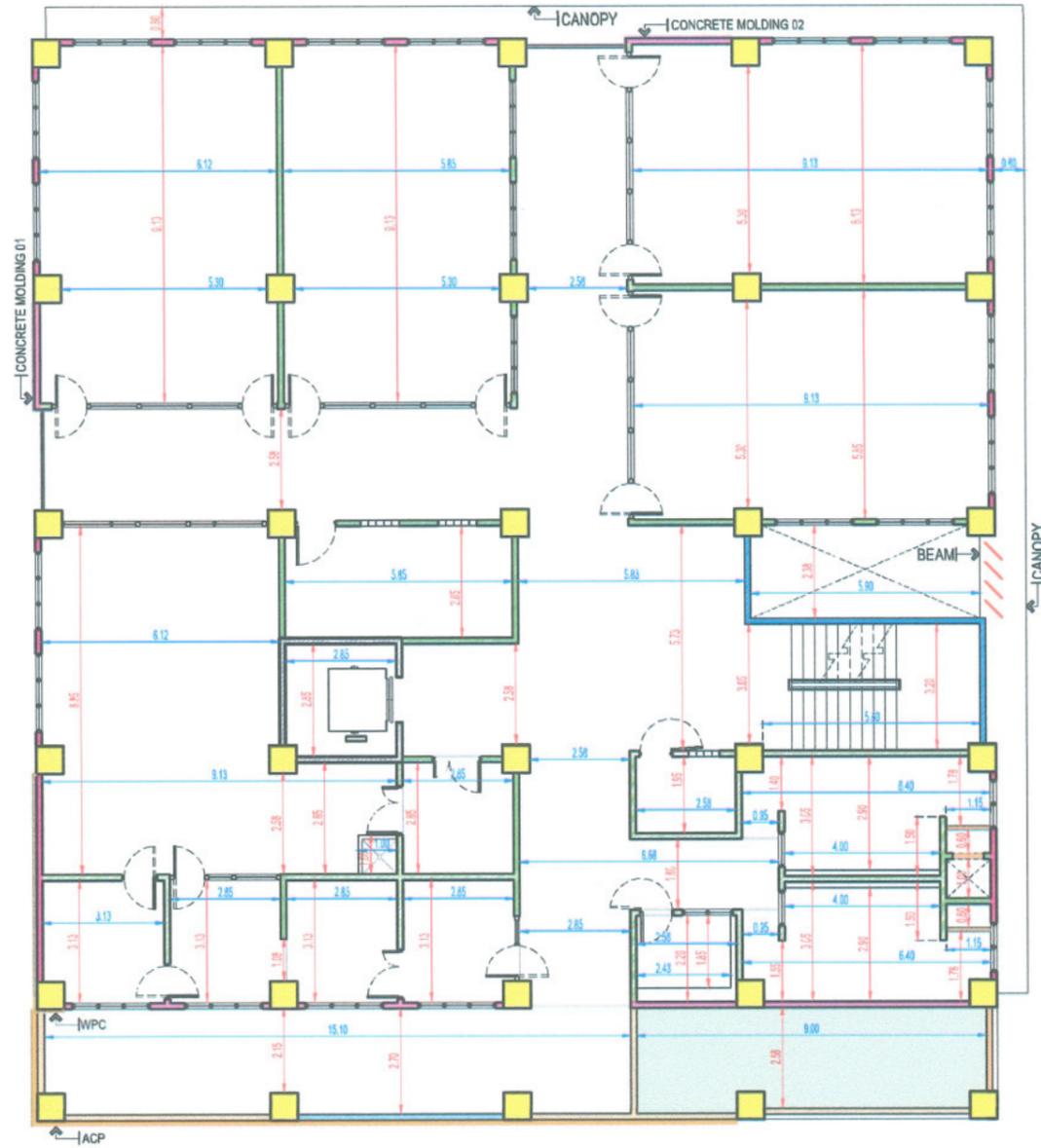


TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. JHON CARLO V. MAMACLAY DRAFTSMAN	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. GHEROLINC BENITEZ VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-10 PAGE NO: 10/99
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LEGEND:

5" CHB. EXTERIOR WALL	
4" CHB. INTERIOR WALL	
4" CHB. 1.2M HIGH WALL	
4"CHB. 0.60m ZOCALO WALL	
SHEAR WALL	
DECO BLOCKS	



SECOND FLOOR WALL SETTING LAYOUT

SCALE 1:175 M

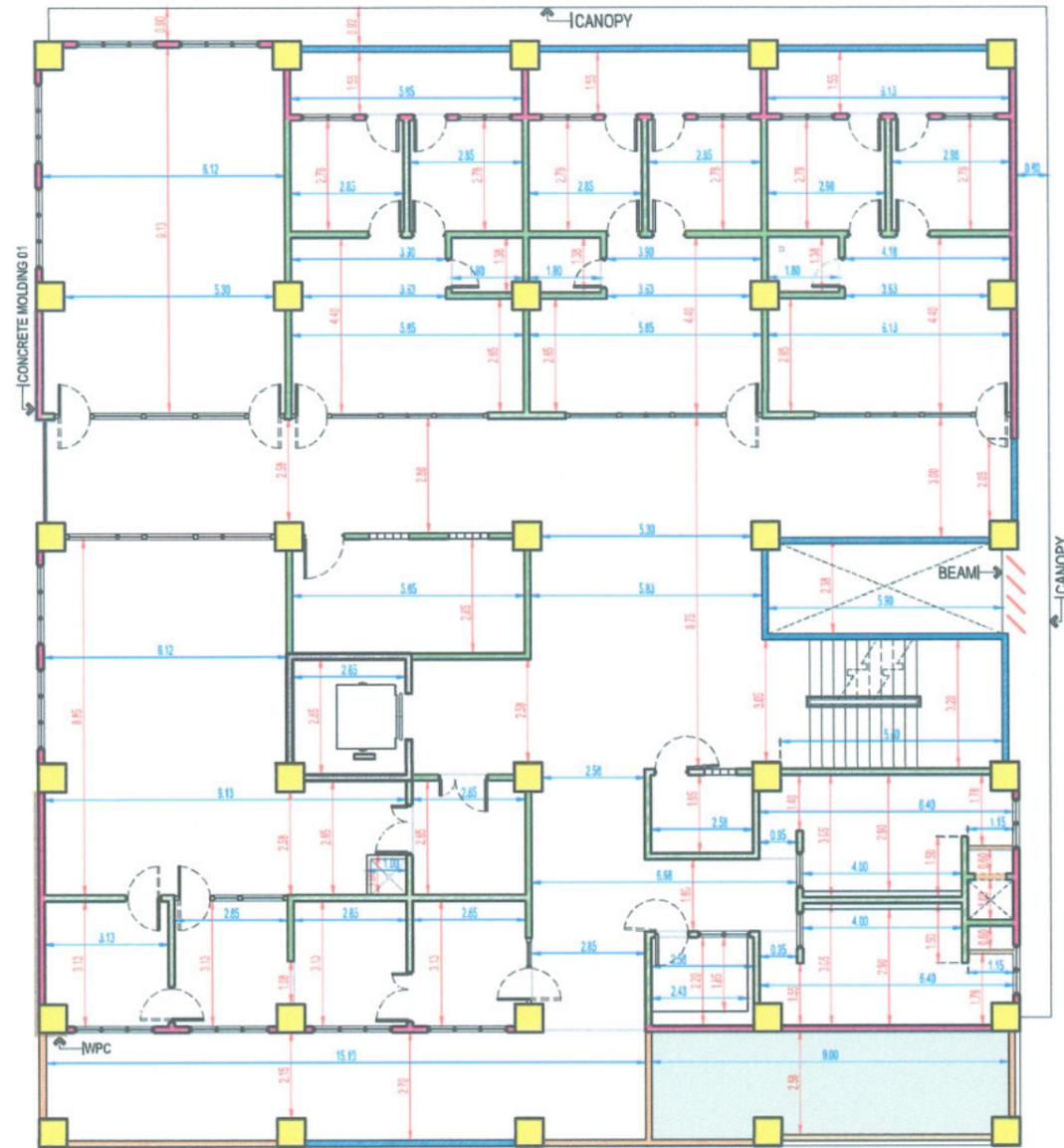


TARLAC STATE UNIVERSITY
Facilities Development and
Management Office
Bambala Boulevard, Tarlac City, Philippines 2300

<p>PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)</p> <p>PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY</p>	<p>PREPARED BY: AR. JHON CARLO V. MAMACALAY DRAFTSMAN</p>	<p>CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU</p>	<p>CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM</p>	<p>REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET</p>	<p>RECOMMENDING APPROVAL: ATTY. GHEROLD C. BENITEZ VP ADMINISTRATION</p>	<p>APPROVED: DR. ARNOLD B. VELASCO PRESIDENT</p>	<p>SHEET CONTENTS: AS SHOWN</p>	<p>SHEET NO: A-11</p>
								<p>DATE: 2025</p>

LEGEND:

5" CHB. EXTERIOR WALL	
4" CHB. INTERIOR WALL	
4" CHB. 1.2M HIGH WALL	
SHEAR WALL	
DECO BLOCKS	



THIRD FLOOR WALL SETTING LAYOUT

SCALE 1:175 M



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

PROJECT TITLE:
CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)

PROJECT LOCATION:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

AR. JHON CARLO V. MAMACALAY
DRAFTSMAN

CHECKED BY:

AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEO P. PIAO
DIRECTOR, CSET

RECOMMENDING APPROVAL:

ATTY. GHEROLMO C. BENITEZ
VP FOR ADMINISTRATION

APPROVED:

DR. ARNOLD E. VELASCO
PRESIDENT

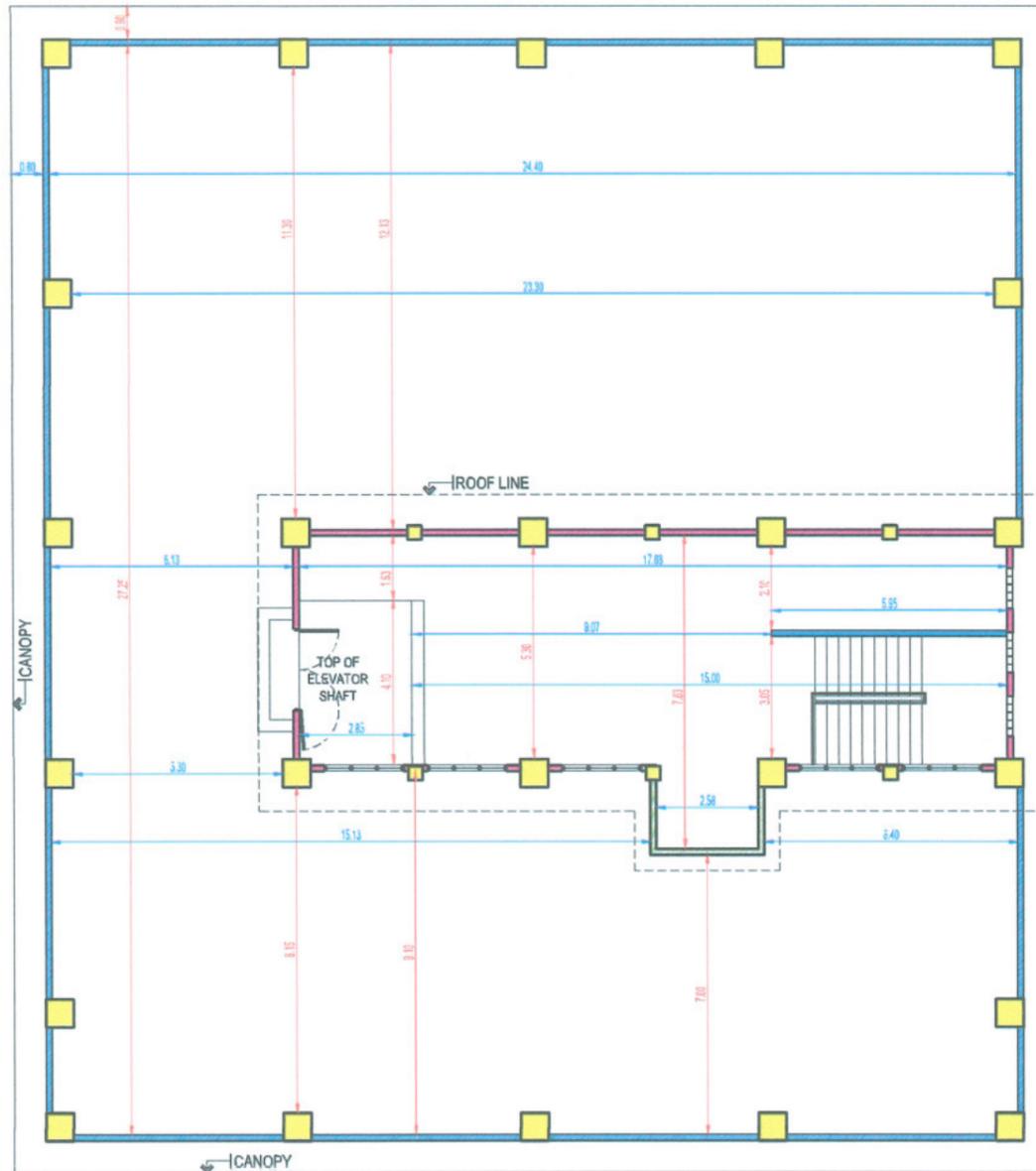
SHEET CONTENTS:
AS SHOWN

DATE: 2025

SHEET NO:
A-12

PAGE NO:
12/99

LEGEND:	
5" CHB. EXTERIOR WALL	
4" CHB. INTERIOR WALL	
4" CHB. 1.2M HIGH WALL	
DECO BLOCKS	



ROOF DECK WALL SETTING LAYOUT

SCALE 1:175 M

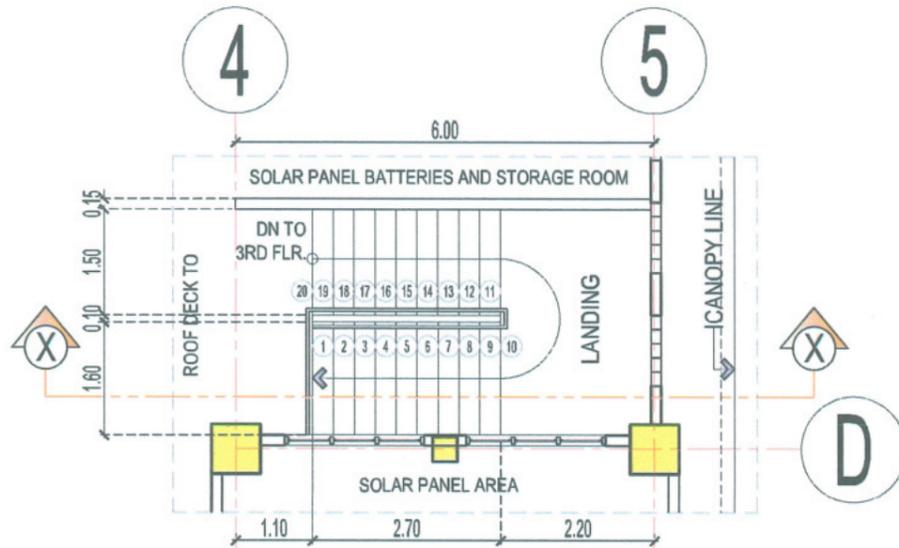


TARLAC STATE UNIVERSITY
Facilities Development and
Management Office
Bamulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. JOHN CARLO V. MAMACALAY DRAFTSMAN	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. GERONIMO C. BENITEZ VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-13 PAGE NO: 13/99
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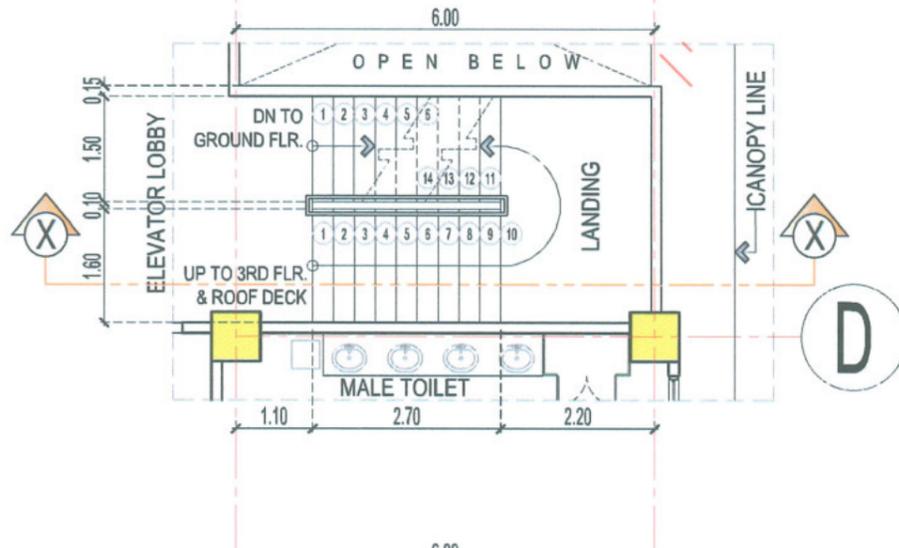
ROOF DECK PLAN

SCALE 1:100 M



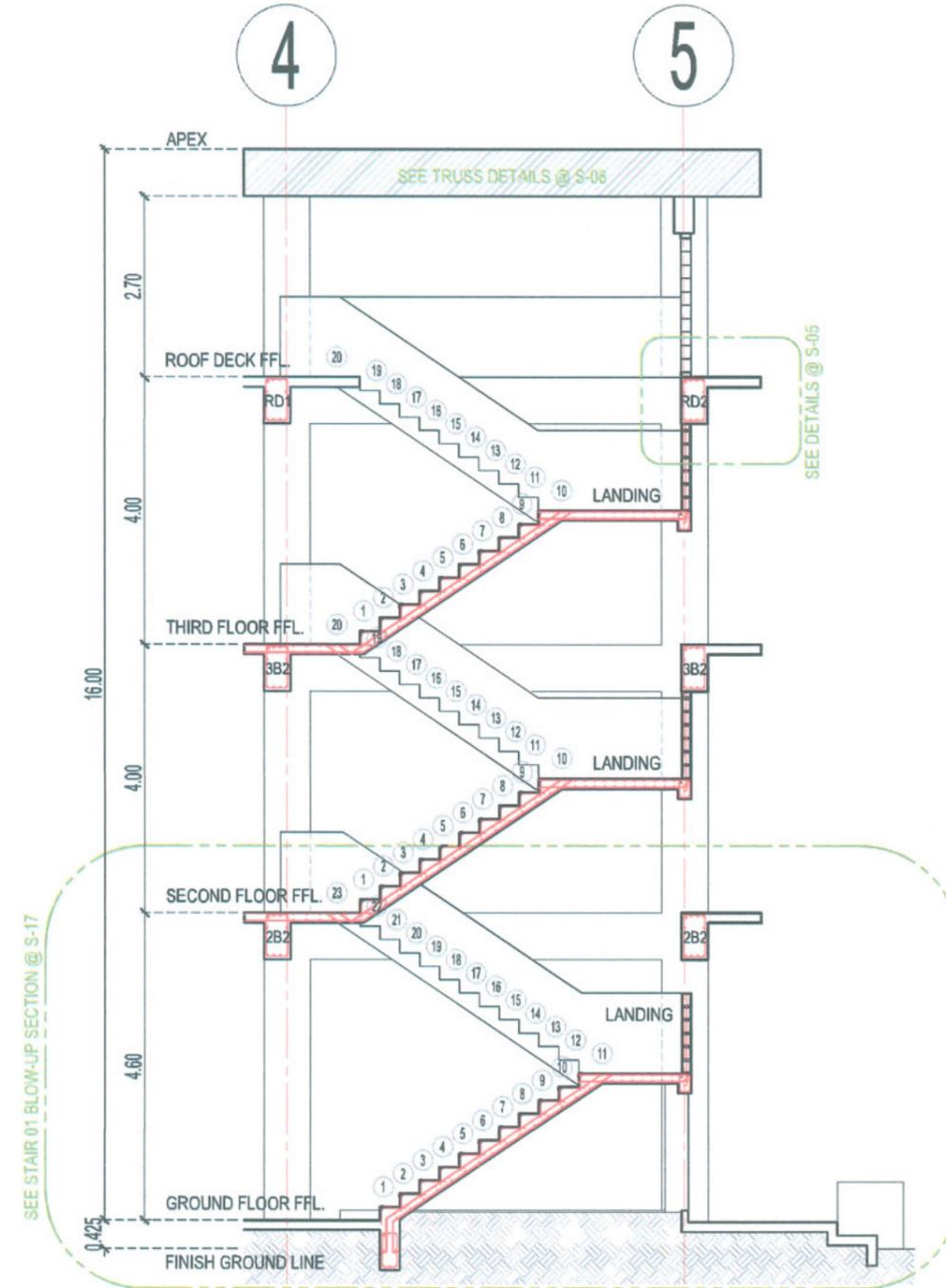
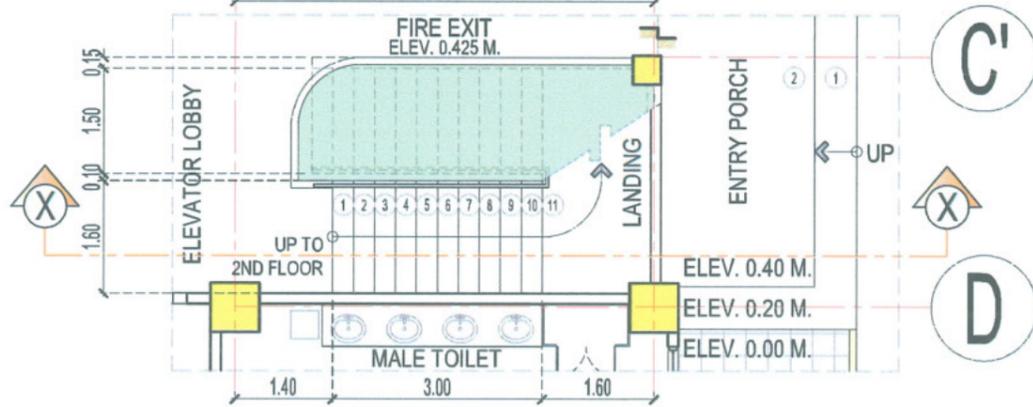
TYP. 2ND - ROOF DECK PLAN

SCALE 1:100 M



GROUND - 2ND FLOOR PLAN

SCALE 1:100 M



SECTION THRU X-X

SCALE 1:100 M

STAIR 01 DETAILS



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

PROJECT TITLE:
CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)

PROJECT LOCATION:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
[Signature]
AR. JHON CARLO V. MAMACLAY
DRAFTSMAN

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

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

REQUESTING OFFICE:
[Signature]
DR. LEO P. PIAO
DIRECTOR, CSET

RECOMMENDING APPROVAL:
[Signature]
ATTY. GHERON C. BENITEZ
VP FOR ADMINISTRATION

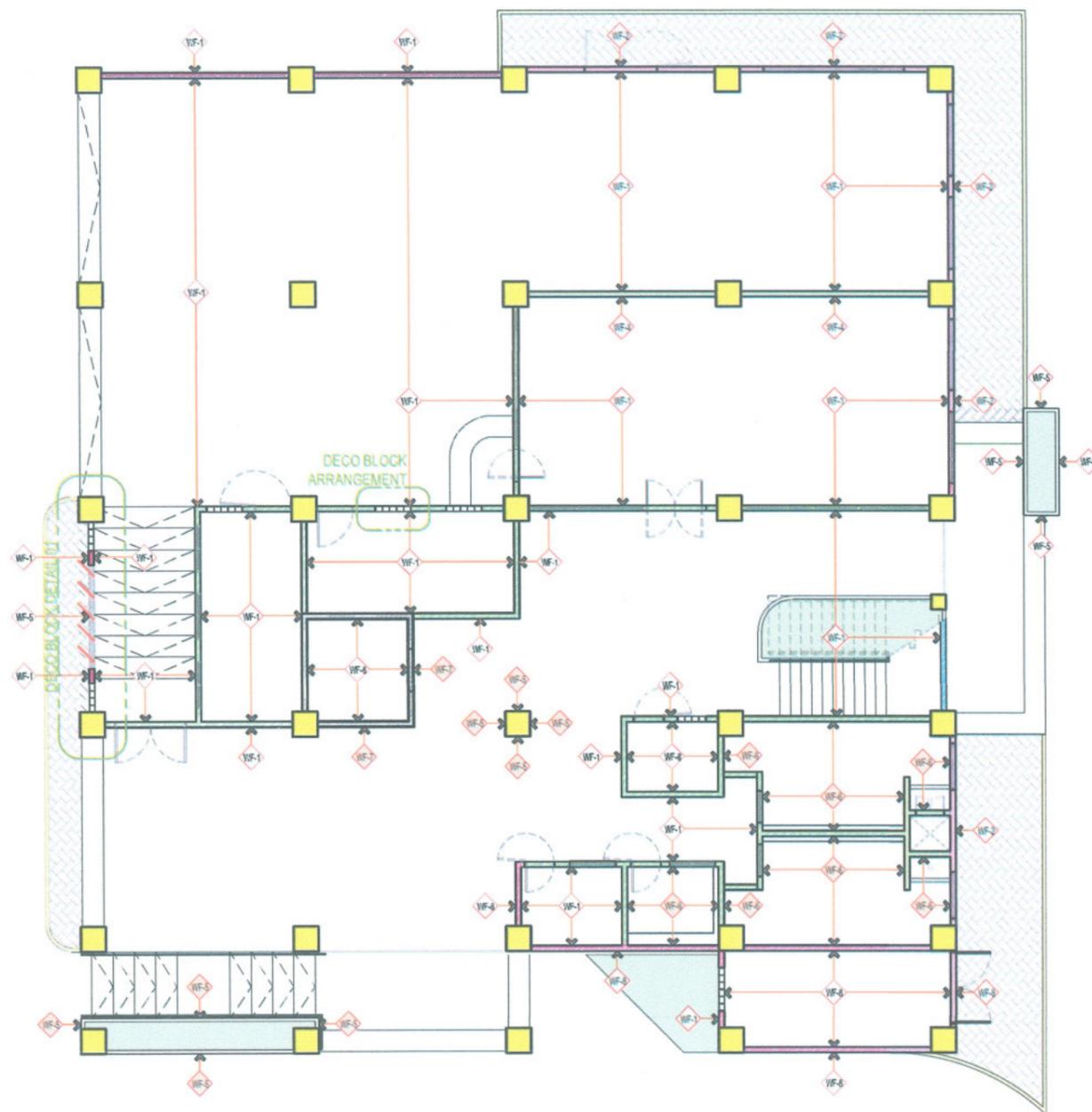
APPROVED:
[Signature]
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: 2025

SHEET NO.:
A-14
PAGE NO.:
14/99

- WF-1 SMOOTH PAINT FINISH
- WF-2 SMOOTH PAINT FINISH WITH 10mm GROOVE
- WF-4 SMOOTH CEMENT WALL FINISH
- WF-5 4" x 8" x 2" thk. TERRA COTTA BRICKS (SOLDIER PATTERN)
- WF-6 0.30 x 0.60 GLAZED WALL TILES
- WF-8 ROUGH CEMENT FINISH

- NOTE:**
1. PERIMETER BEAMS SHALL BE SMOOTH PAINTED WITH APPROVED SHADE OF BLACK; THE REST SHALL BE SMOOTH CEMENT FINISH.
 2. ALL SIDES OF COLUMNS SHALL BE SMOOTH CEMENT FINISH.
 3. FINISHES LABELED WITH ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.



GROUND FLOOR - WALL FINISH SCHEDULE

SCALE 1:175 M



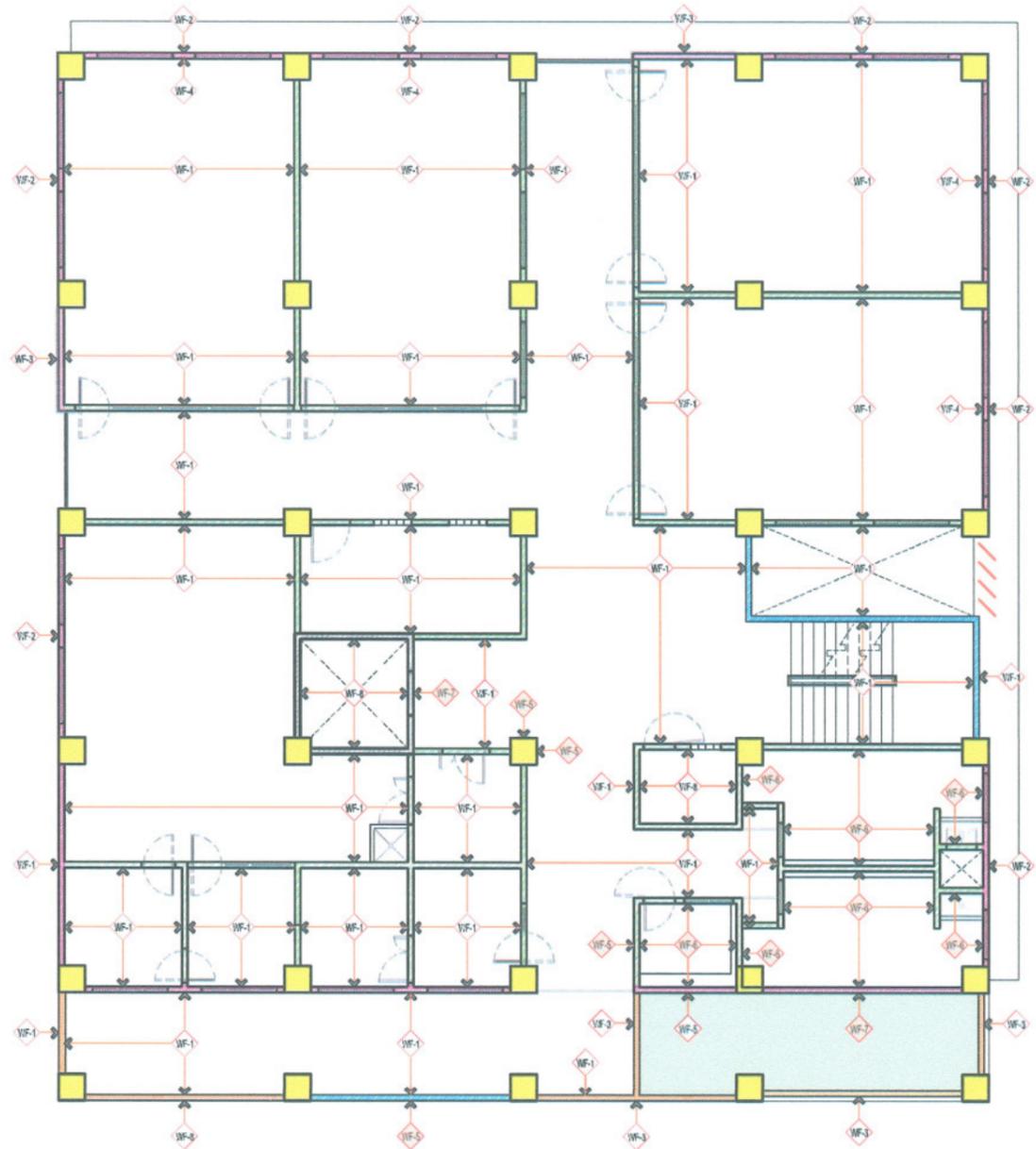
TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY:	AR. JHON CARLO V. MAMACLAY	CHECKED BY:	AR. CHERRY L. FABIANES	CERTIFIED BY:	AR. ARLEN M. GUIEB	REQUESTING OFFICE:	DR. LEO P. PIAO	RECOMMENDING APPROVAL:	ATTY. GEROLD C. BENITEZ	APPROVED:	DR. ARNOLD E. VELASCO	SHEET CONTENTS:	SHEET NO.:
PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	APPROVED BY:	AR. ALBERTO ERMITANO	HEAD, OFDM-PDU	DIRECTOR, OFDM	DIRECTOR, CSET	VP FOR ADMINISTRATION	PRESIDENT	AS SHOWN	A-15	PAGE NO.:	15/99	DATE: 2025		

- WF-1 SMOOTH PAINT FINISH
- WF-2 SMOOTH PAINT FINISH WITH 10mm GROOVE
- WF-3 ROUGH CEMENT FINISH WITH 10mm GROOVE
- WF-4 SMOOTH CEMENT WALL FINISH
- WF-5 4" x 8" x 2" thk. TERRA COTTA BRICKS (SOLDIER PATTERN)
- WF-6 0.30 x 0.60 GLAZED WALL TILES
- WF-7 STUCCO PAINT FINISH (WITH 10mm GROOVE)
- WF-8 ROUGH CEMENT FINISH

NOTE:

1. PERIMETER BEAMS SHALL BE SMOOTH PAINTED WITH APPROVED SHADE OF BLACK; THE REST SHALL BE SMOOTH CEMENT FINISH.
2. ALL SIDES OF COLUMNS SHALL BE SMOOTH CEMENT FINISH.
3. FINISHES LABELED WITH ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.



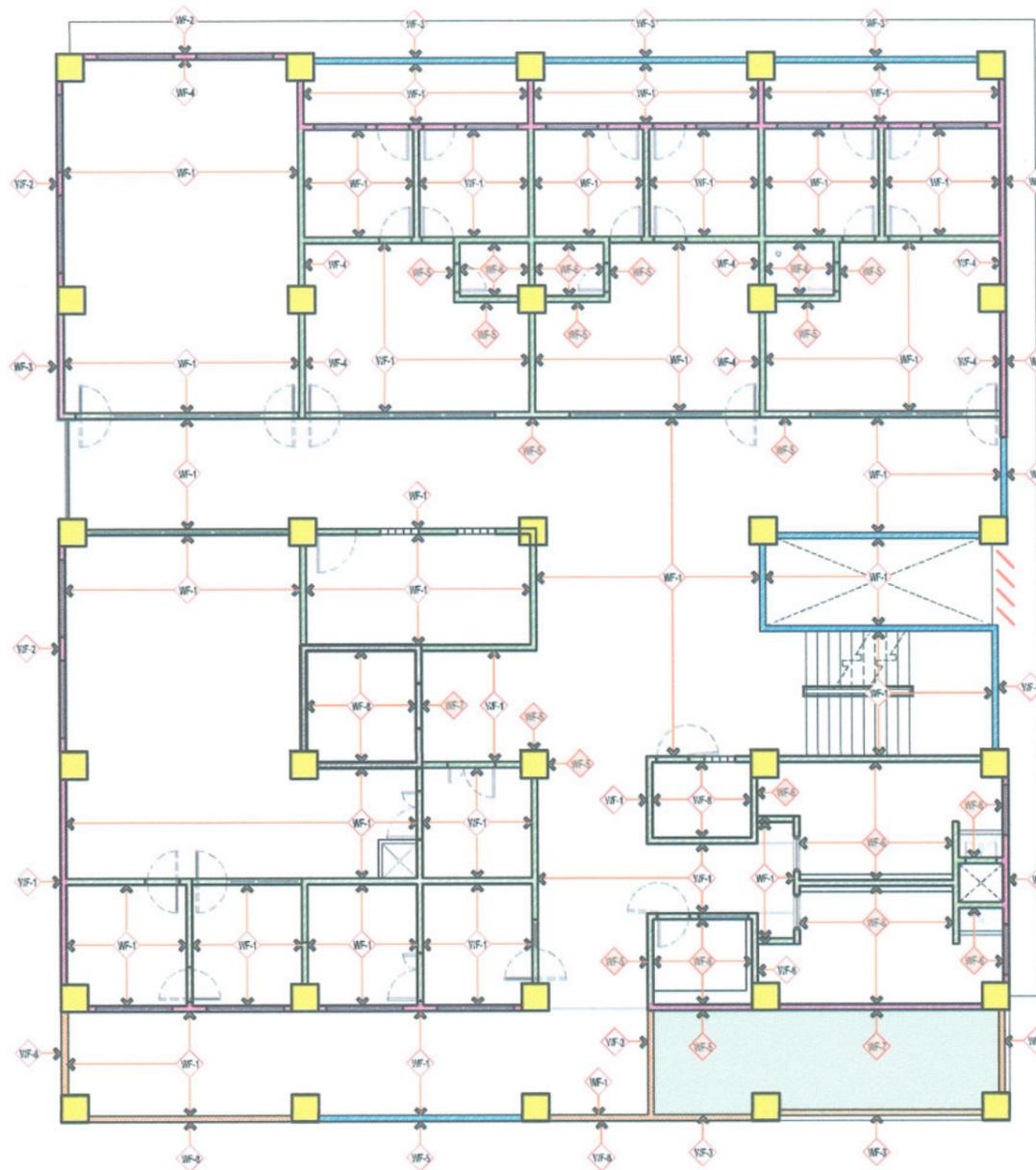
SECOND FLOOR - WALL FINISH SCHEDULE

SCALE 1:175 M

 TARLAC STATE UNIVERSITY <small>Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</small>	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. JHON CARLO V. MAMACGAY <small>DRAFTSMAN, OFDM-POU</small>	CHECKED BY: AR. CHERRY L. FABIANES <small>HEAD, OFDM-POU</small>	CERTIFIED BY: AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL: ATTY. GEROLD C. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED: DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO.: A-16
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								DATE: 2025

- WF-1 SMOOTH PAINT FINISH
- WF-2 SMOOTH PAINT FINISH WITH 10mm GROOVE
- WF-3 ROUGH CEMENT FINISH WITH 10mm GROOVE
- WF-4 SMOOTH CEMENT WALL FINISH
- WF-5 4" x 8" x 2" thk. TERRA COTTA BRICKS (SOLDIER PATTERN)
- WF-6 0.30 x 0.60 GLAZED WALL TILES
- WF-7 STUCCO PAINT FINISH (WITH 10mm GROOVE)
- WF-8 ROUGH CEMENT FINISH

- NOTE:**
1. PERIMETER BEAMS SHALL BE SMOOTH PAINTED WITH APPROVED SHADE OF BLACK; THE REST SHALL BE SMOOTH CEMENT FINISH.
 2. ALL SIDES OF COLUMNS SHALL BE SMOOTH CEMENT FINISH.
 3. FINISHES LABELED WITH ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.



THIRD FLOOR - WALL FINISH SCHEDULE

SCALE 1:175 M



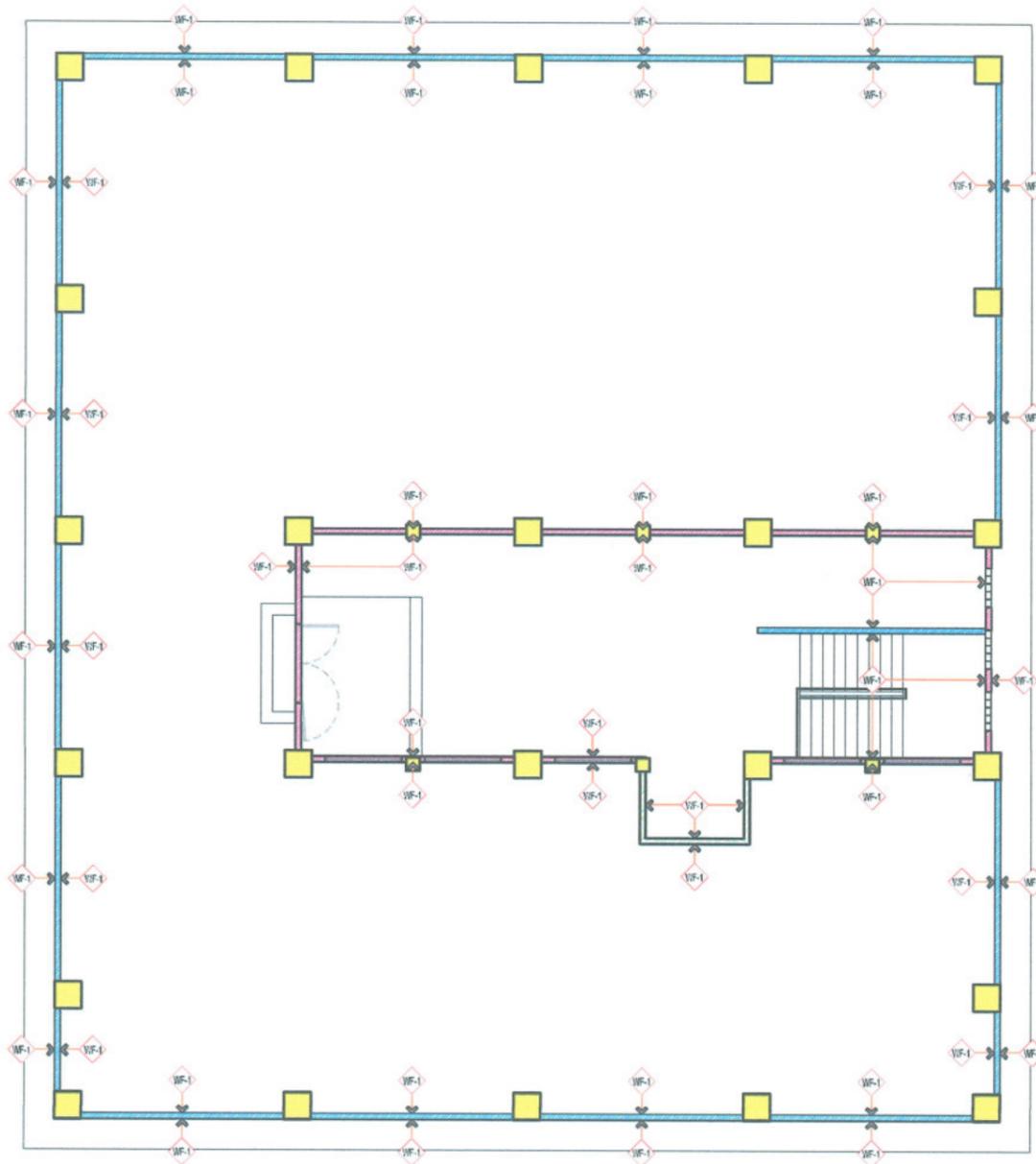
TARLAC STATE UNIVERSITY
Facilities Development and
Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. JHON CARLO V. MAMACALAY <small>DRAFTSMAN - CFDM-PDU</small>	CHECKED BY: AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY: AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL: ATTY. GHERSOLD C. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED: DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-17 PAGE NO: 17/99
PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	PREPARED BY: AR. ALDREY S. CAMPIANO <small>DRAFTSMAN - CFDM-PDU</small>							

WF-1 SMOOTH PAINT FINISH

NOTE:

1. PERIMETER BEAMS SHALL BE SMOOTH PAINTED WITH APPROVED SHADE OF BLACK; THE REST SHALL BE SMOOTH CEMENT FINISH.
2. ALL SIDES OF COLUMNS SHALL BE SMOOTH CEMENT FINISH.
3. FINISHES LABELED WITH  ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.



ROOF DECK - WALL FINISH SCHEDULE

SCALE 1:175 M

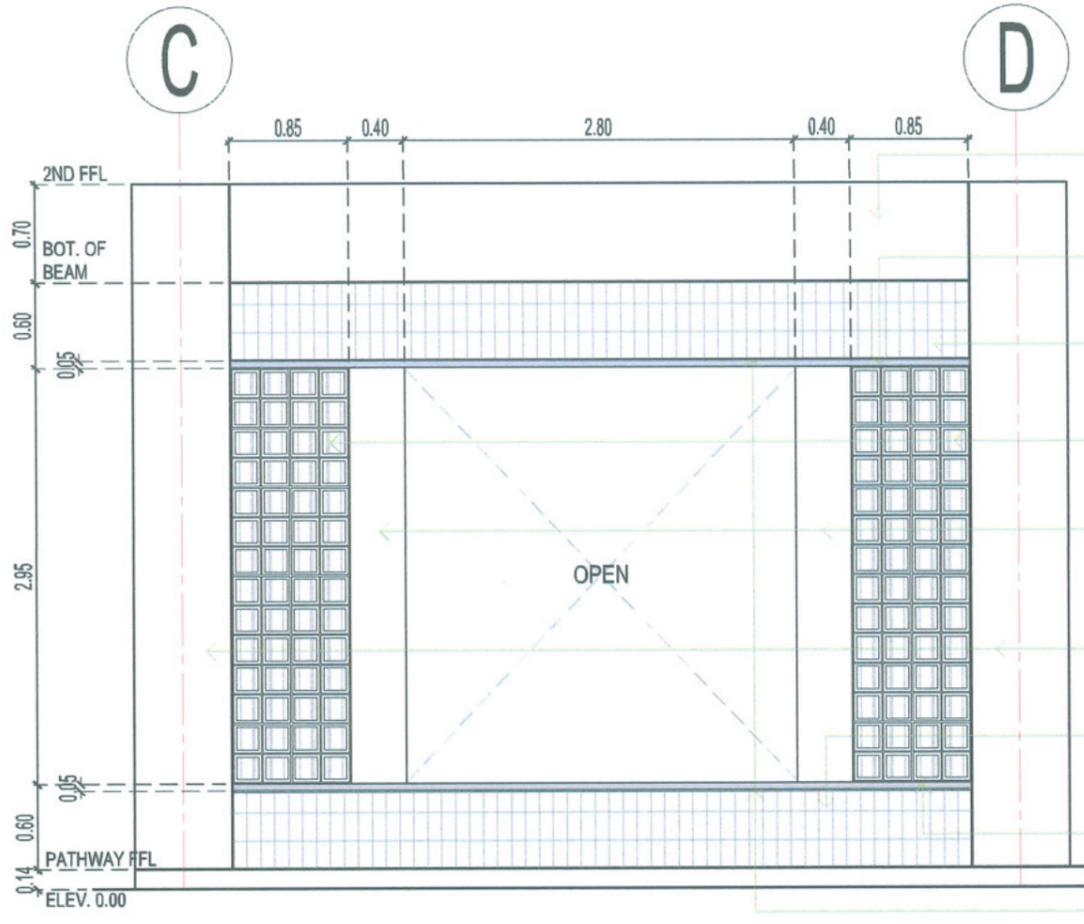


TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

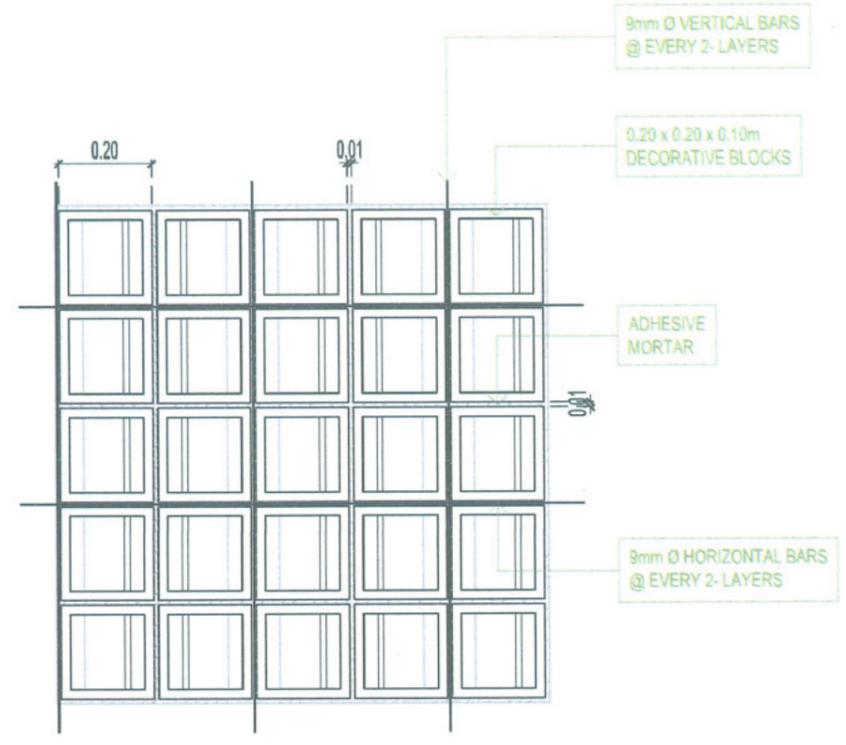
PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. JOHN CARLO V. MAMACAY <i>[Signature]</i>	CHECKED BY: AR. CHERRY L. FABIANES <i>[Signature]</i> HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB <i>[Signature]</i> DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO <i>[Signature]</i> DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. GHERALD C. BENITEZ <i>[Signature]</i> OFFICE ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO <i>[Signature]</i> PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-18
PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. ALBERTO S. ERMITAÑO <i>[Signature]</i> DRAFTSMAN (OFDM-PDU)						DATE: 2025	PAGE NO: 18/99

DECO BLOCK DETAIL 01

SCALE 1:50 M

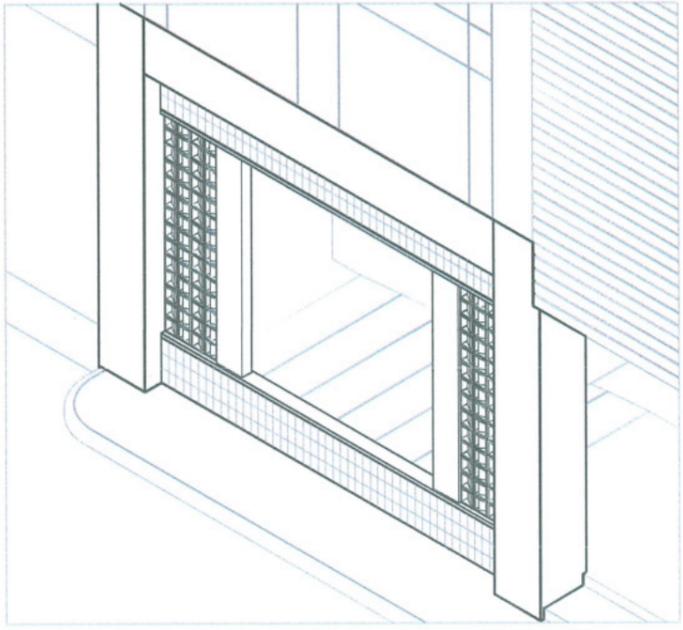


- CONCRETE PLASTER
SMOOTH PAINTED FINISH (BLACK)
- SMOOTH CEMENT FINISH WITH 10mm GROOVE
BEFORE THE TERRA COTTA BRICKS
- 4" x 8" x 2" thk. TERRA COTTA BRICKS
(SOLDIER PATTERN)
- 0.20m x 0.20m x 0.10m
DECORATIVE BLOCKS
- CONCRETE PLASTER
SMOOTH PAINTED FINISH (WHITE)
- COLUMNS:
SMOOTH CEMENT FINISH
- 4" x 8" x 2" thk. TERRA COTTA BRICKS
(SOLDIER PATTERN)
- SMOOTH CEMENT FINISH WITH 10mm GROOVE
BEFORE THE TERRA COTTA BRICKS
- 10mm GROOVE



DECORATIVE BLOCK MODULE

SCALE 1:15 M

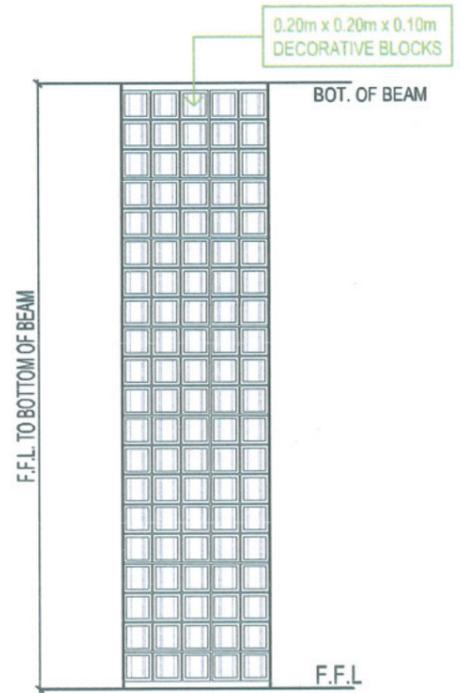


ISOMETRIC VIEW

N T S

TYPICAL DECO BLOCK ARRANGEMENT

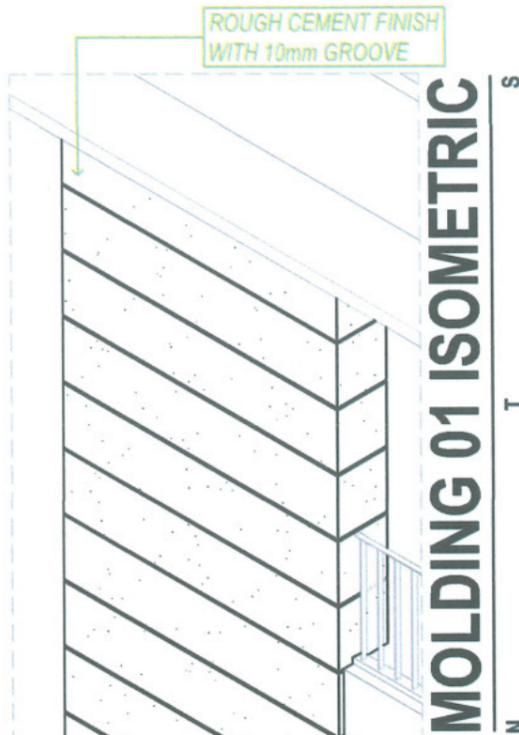
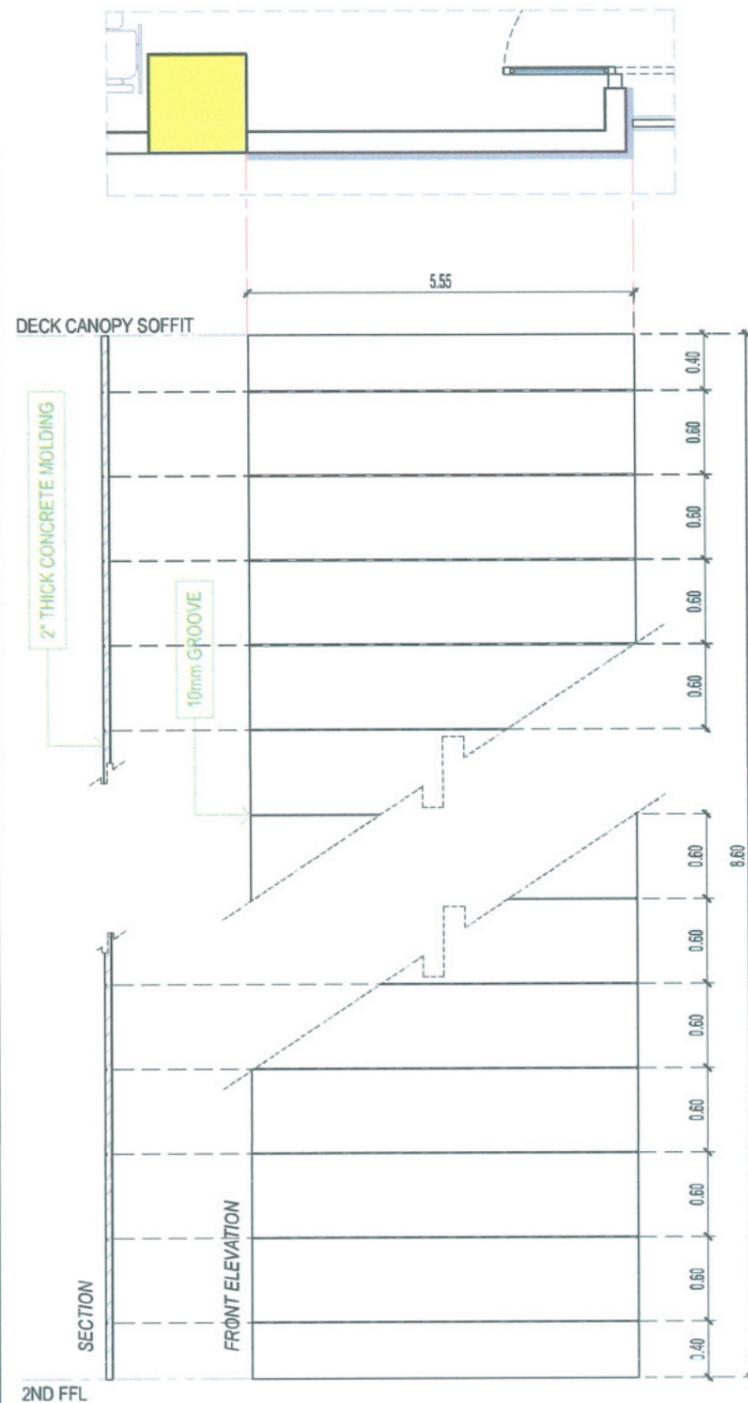
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TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. JHON CARLO V. MAMACLAY DRAFTSMAN	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. GHERVALD C. BENITEZ VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-19
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DATE: 2025	PAGE NO: 19/99						

CONCRETE MOLDING 01

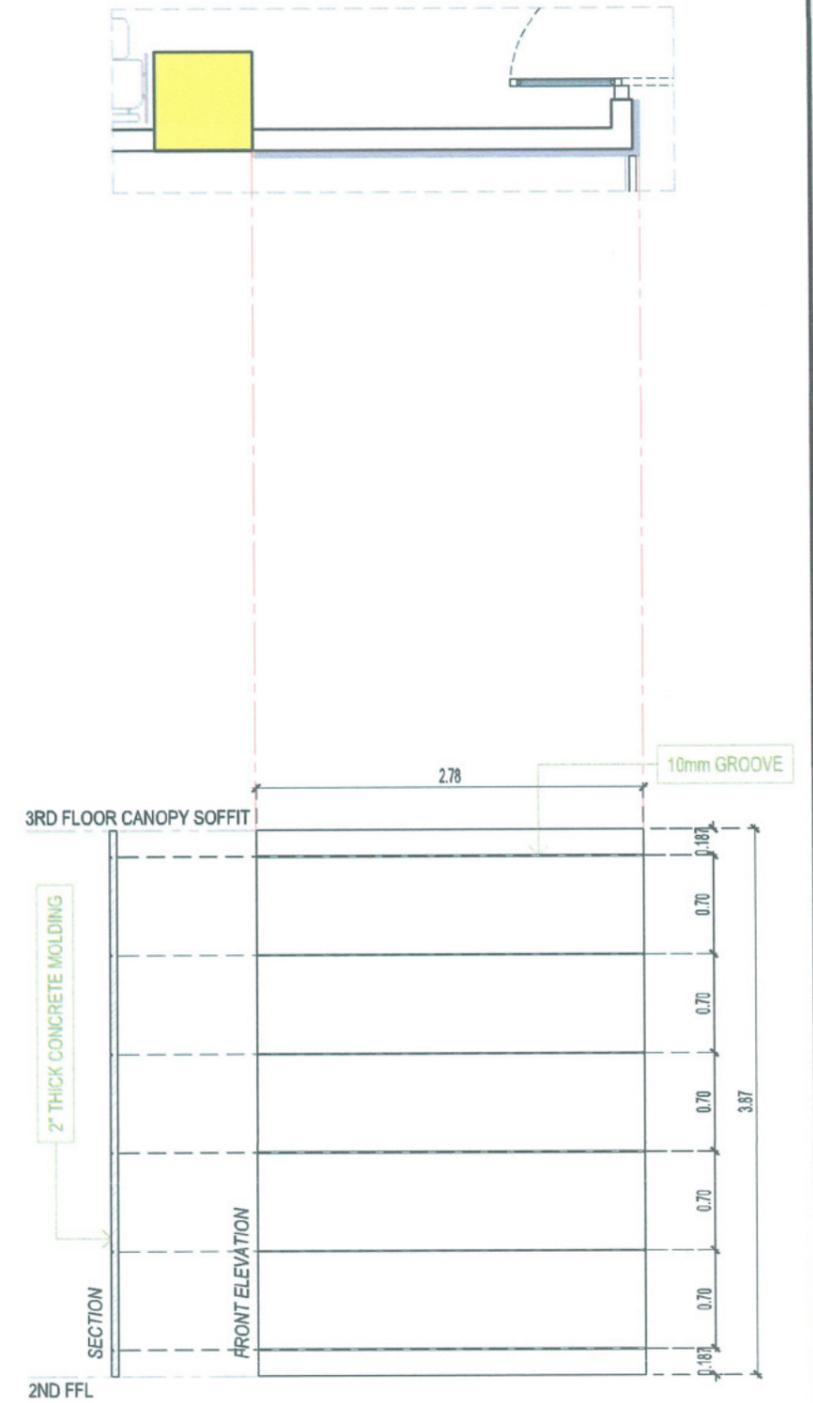
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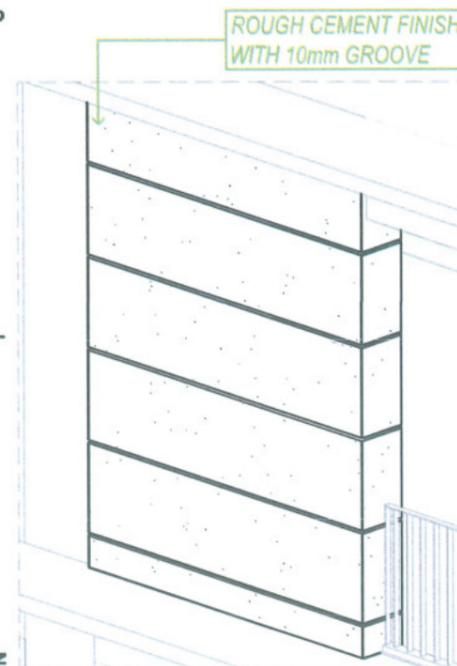
MOLDING 01 ISOMETRIC

CONCRETE MOLDING 02

SCALE 1:50 M



MOLDING 02 ISOMETRIC



MOLDING 02 DETAILS

SCALE 1:50 M

MOLDING 02 DETAILS

SCALE 1:50 M

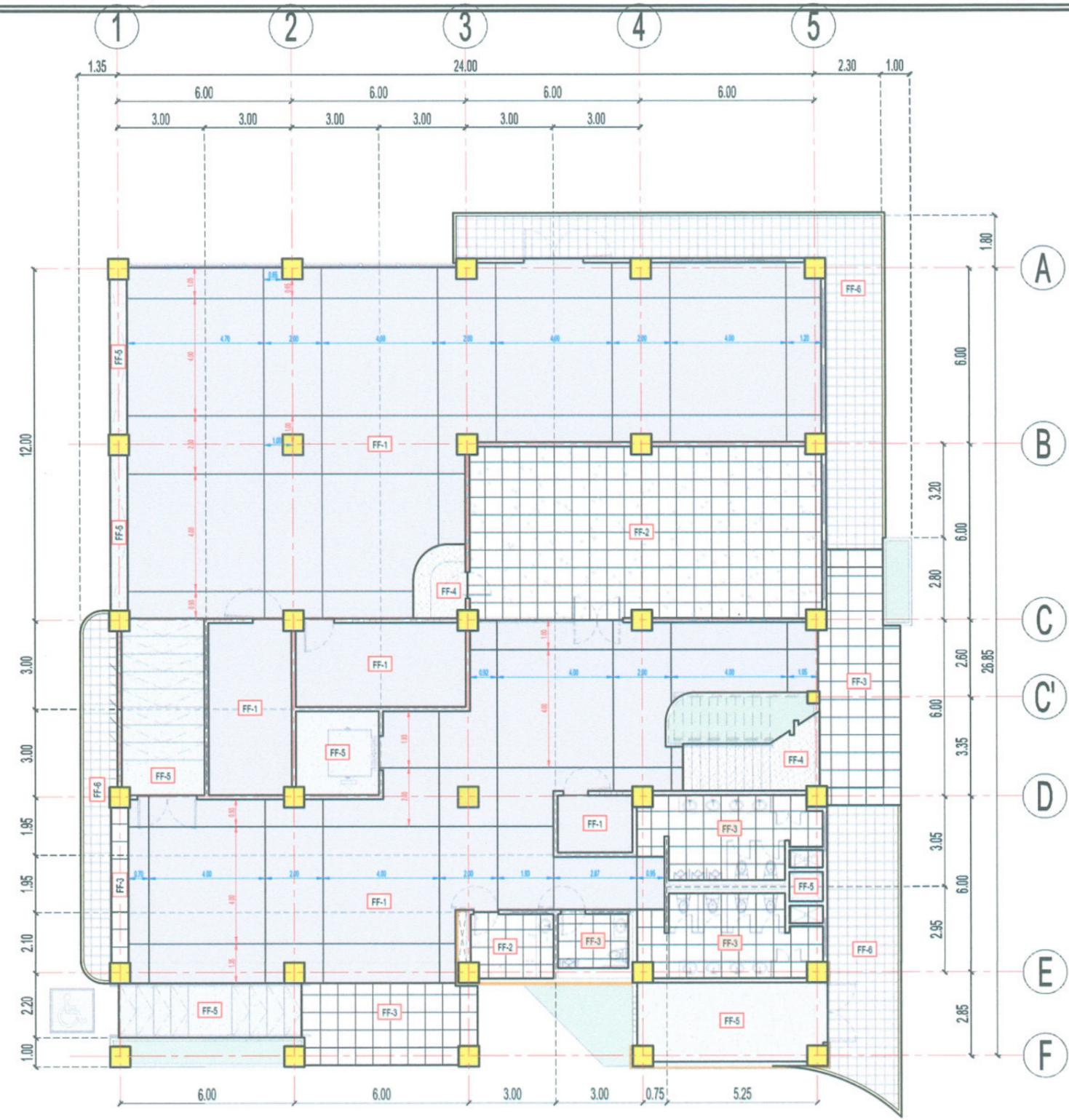


TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. ALBREN S. ERMITANIO DRAFTSMAN	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. GHEROLDO C. BENITEZ VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-20 PAGE NO: 20/99
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- FF-1** SMOOTH CEMENT FINISH WITH CONTROL JOINT
- FF-2** 0.60m X 0.60m TERRAZZO CERAMIC FLOOR TILES
- FF-3** 0.60m X 0.60m NON-SKID PORCELAIN FLOOR TILES
- FF-4** NO. 12 SIEVE PEBBLE WASHOUT
- FF-5** CONCRETE FINE BROOM FINISH
- FF-6** 0.20m X 0.20m PERVIOUS PAVERS

NOTE:
 1. FINISHES LABELED WITH ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.



GROUND FLOOR - FLOOR FINISH SCHEDULE

SCALE 1:175 M

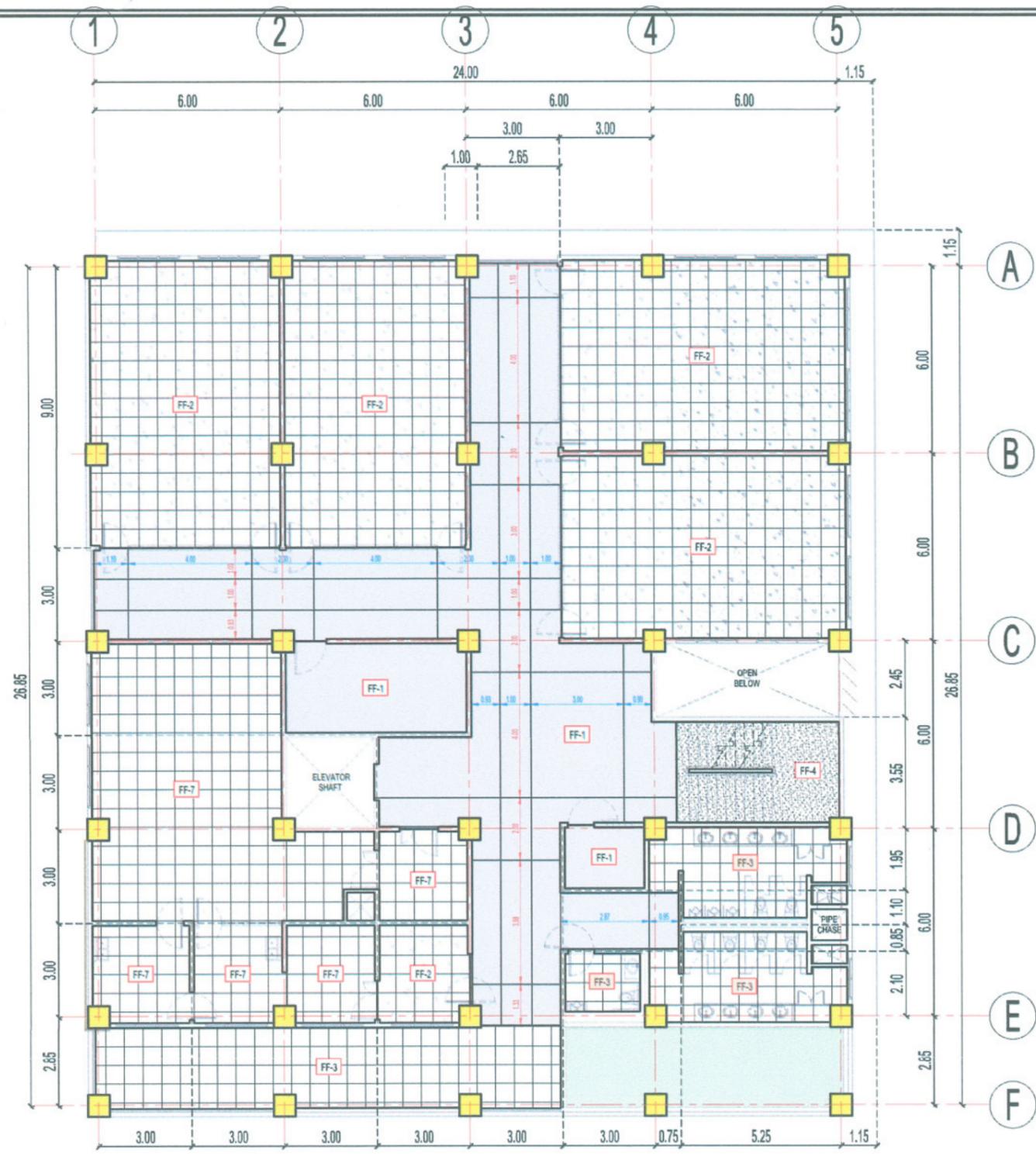


TARLAC STATE UNIVERSITY
 Facilities Development and Management Office
 Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY:		CHECKED BY:		CERTIFIED BY:		REQUESTING OFFICE:		RECOMMENDING APPROVAL:		APPROVED:		SHEET CONTENTS:	SHEET NO.:
PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DRAFTSMAN:	AR. JHON CARLO V. MAMACLAY	HEAD, OFDM-PDU:	AR. CHERRY L. FABIANES	DIRECTOR, OFDM:	AR. ARLEN M. GUIEB	DIRECTOR, CSET:	DR. LEO P. PIAO	VP FOR ADMINISTRATION:	ATTY. SHEROL C. BENITEZ	PRESIDENT:	DR. ARNOLD E. VELASCO	AS SHOWN	A-21
														DATE: 2025	PAGE NO: 21/99

- FF-1** SMOOTH CEMENT FINISH WITH CONTROL JOINT
- FF-2** 0.60m X 0.60m TERRAZZO CERAMIC FLOOR TILES
- FF-3** 0.60m X 0.60m NON-SKID PORCELAIN FLOOR TILES
- FF-4** NO. 12 SIEVE PEBBLE WASHOUT
- FF-7** 0.60m X 0.60m GLOSS PORCELAIN TILES

NOTE:
 1. FINISHES LABELED WITH ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.



SECOND FLOOR - FLOOR FINISH SCHEDULE

SCALE 1:175 M

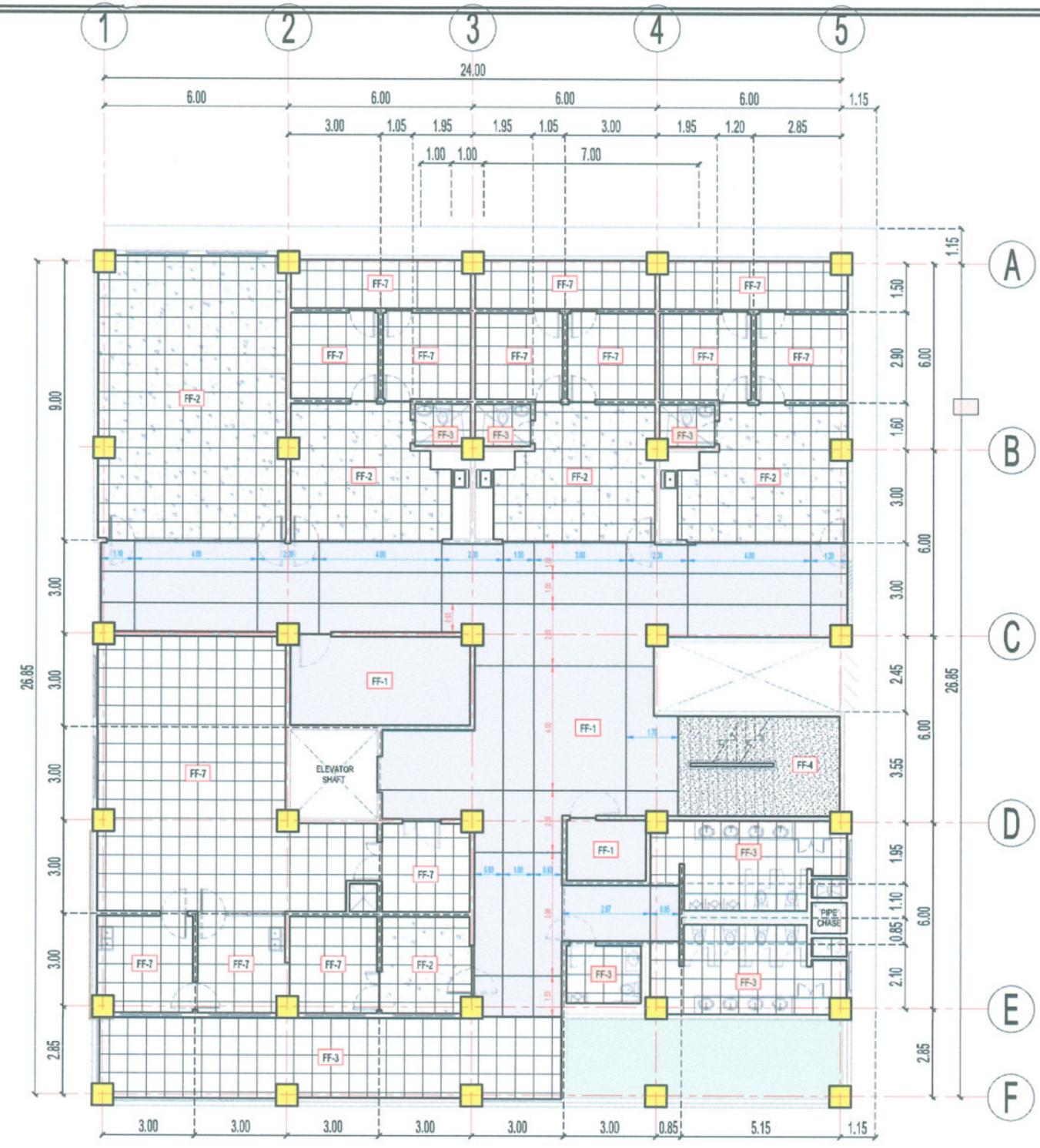


TARLAC STATE UNIVERSITY
 Facilities Development and Management Office
 Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY:		CHECKED BY:		CERTIFIED BY:		REQUESTING OFFICE:		RECOMMENDING APPROVAL:		APPROVED:		SHEET CONTENTS:	SHEET NO.:
PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	AR. JHON CARLO V. MAMACALAY	DRAFTSMAN	AR. CHERRY LEABIANES	HEAD, OFDM-PDU	AR. ARLEN M. GUIEB	DIRECTOR, OFDM	DR. LEO P. PIAO	DIRECTOR, CSET	ATTY. GHEROLD C. BENITEZ	VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO	PRESIDENT	AS SHOWN	A-22
														DATE: 2025	PAGE NO. 22/99

- FF-1** SMOOTH CEMENT FINISH WITH CONTROL JOINT
- FF-2** 0.60m X 0.60m TERRAZZO CERAMIC FLOOR TILES
- FF-3** 0.60m X 0.60m NON-SKID PORCELAIN FLOOR TILES
- FF-4** NO. 12 SIEVE PEBBLE WASHOUT
- FF-7** 0.60m X 0.60m GLOSS PORCELAIN TILES

NOTE:
 1. FINISHES LABELED WITH ARE FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CONSTRUCTION OF PHASE 1.

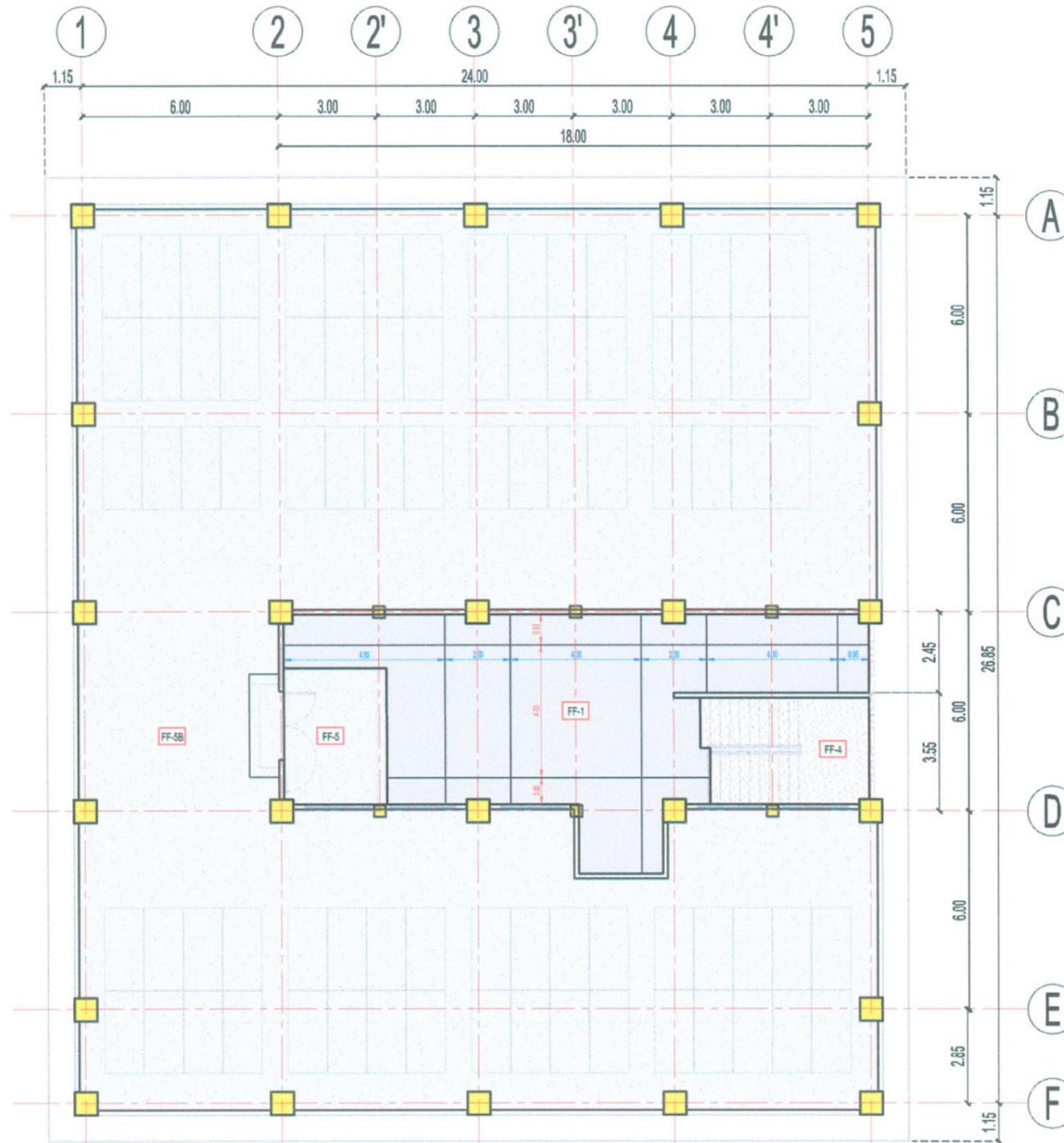


THIRD FLOOR - FLOOR FINISH SCHEDULE

SCALE 1:175 M

 TARLAC STATE UNIVERSITY <small>Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</small>	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. JHON CARLO V. MAMACALAY <small>DRAFTSMAN</small>	CHECKED BY: AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY: AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL: ATTY. GHEROLD C. BENITEZ <small>DEPUTY CHIEF OF ADMINISTRATION</small>	APPROVED: DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO: A-23
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								DATE: 2025

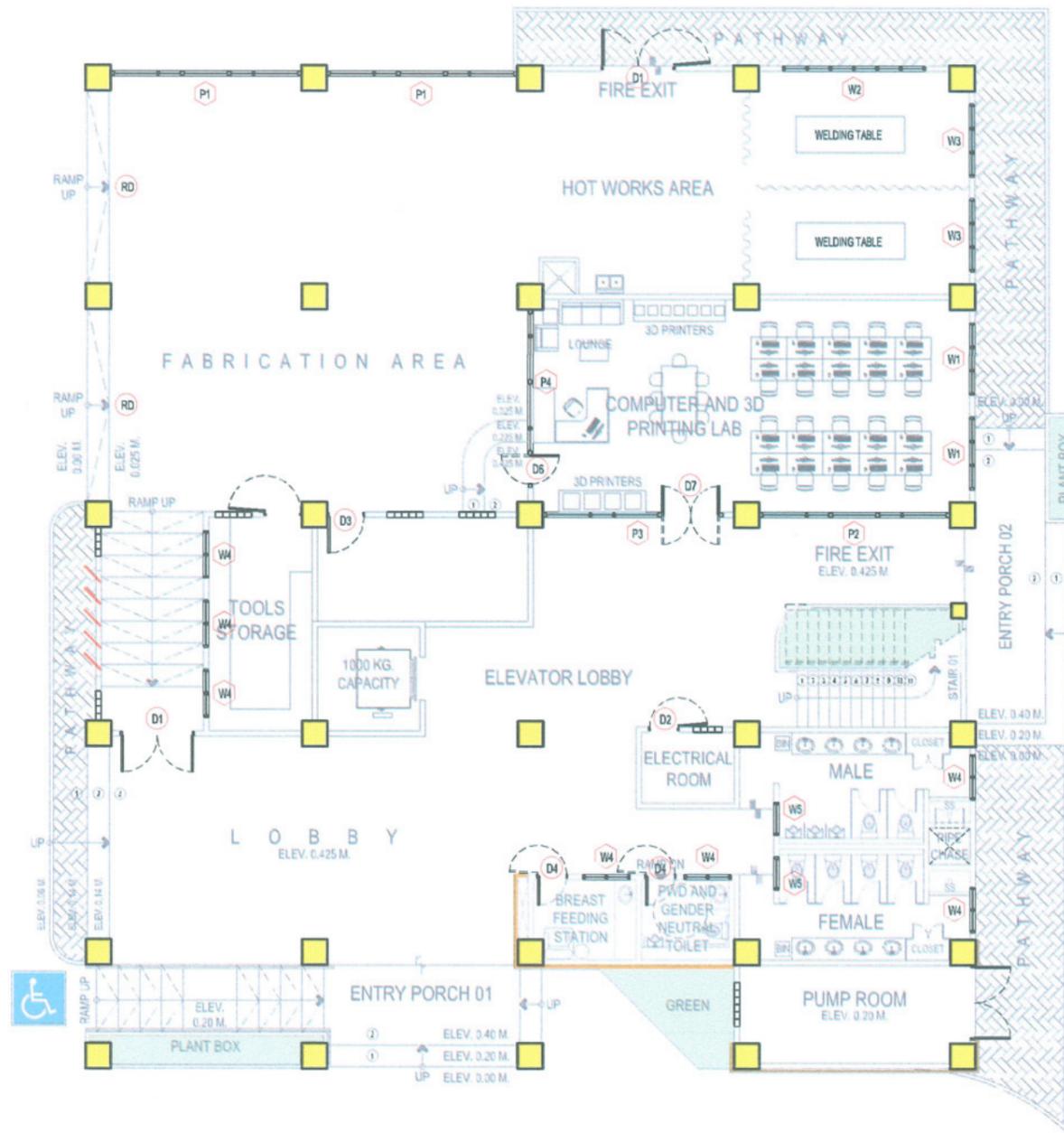
- FF-1** POLISHED CONCRETE FINISH WITH CONTROL JOINT
- FF-4** NO. 12 SIEVE PEBBLE WASHOUT
- FF-5** CONCRETE FINE BROOM FINISH
- FF-5B** POLYURETHANE UV RESISTANT COATING WITH CEMENTITIOUS WATERPROOFING



ROOF DECK - FLOOR FINISH SCHEDULE

SCALE 1:175 M

 TARLAC STATE UNIVERSITY <small>Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300</small>	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. JHON CARLO V. MAMACLAY <small>DRAFTSMAN</small>	CHECKED BY: AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY: AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL: ATTY. GHEROLD S. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED: DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO.: A-24 PAGE NO.: 24/99
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								



GROUND FLOOR DOORS AND WINDOWS LAYOUT

SCALE 1:175 M



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

PROJECT TITLE:
**CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY
 AND INNOVATION BUILDING (PHASE I)**

PROJECT LOCATION:
 SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

AR. JHON CARLO V. MAMACLAY
 DRAFTSMAN

CHECKED BY:

AR. CHERRY L. FABIANES
 HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
 DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEO P. PIAO
 DIRECTOR, CSET

RECOMMENDING APPROVAL:

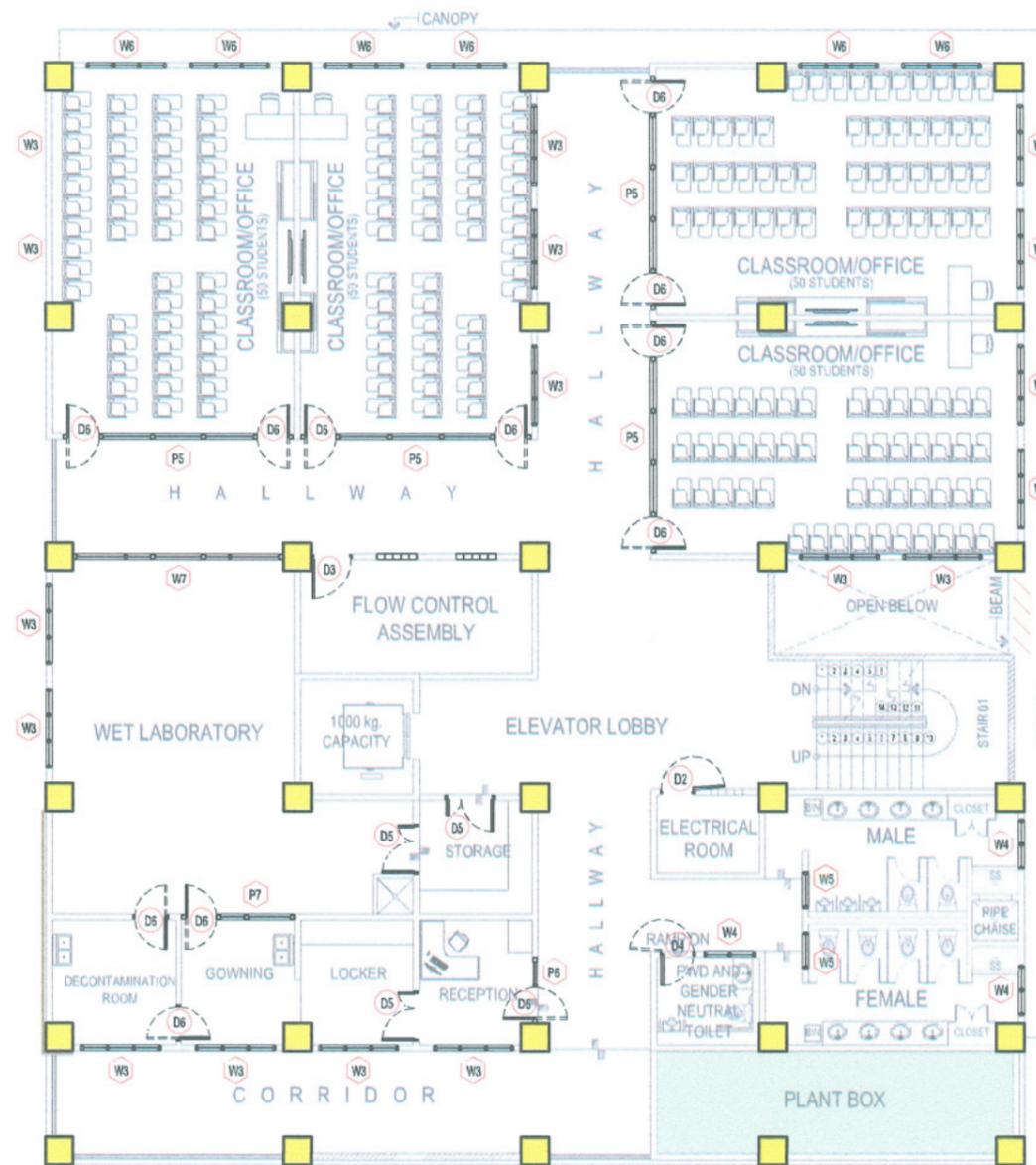
ATTY. GHEROLD S. BENITEZ
 VICE-CHIEF OF ADMINISTRATION

APPROVED:

DR. ARNOLD E. VELASCO
 PRESIDENT

SHEET CONTENTS:
 AS SHOWN
 DATE: 2025

SHEET NO:
A-25
 PAGE NO:
25/99



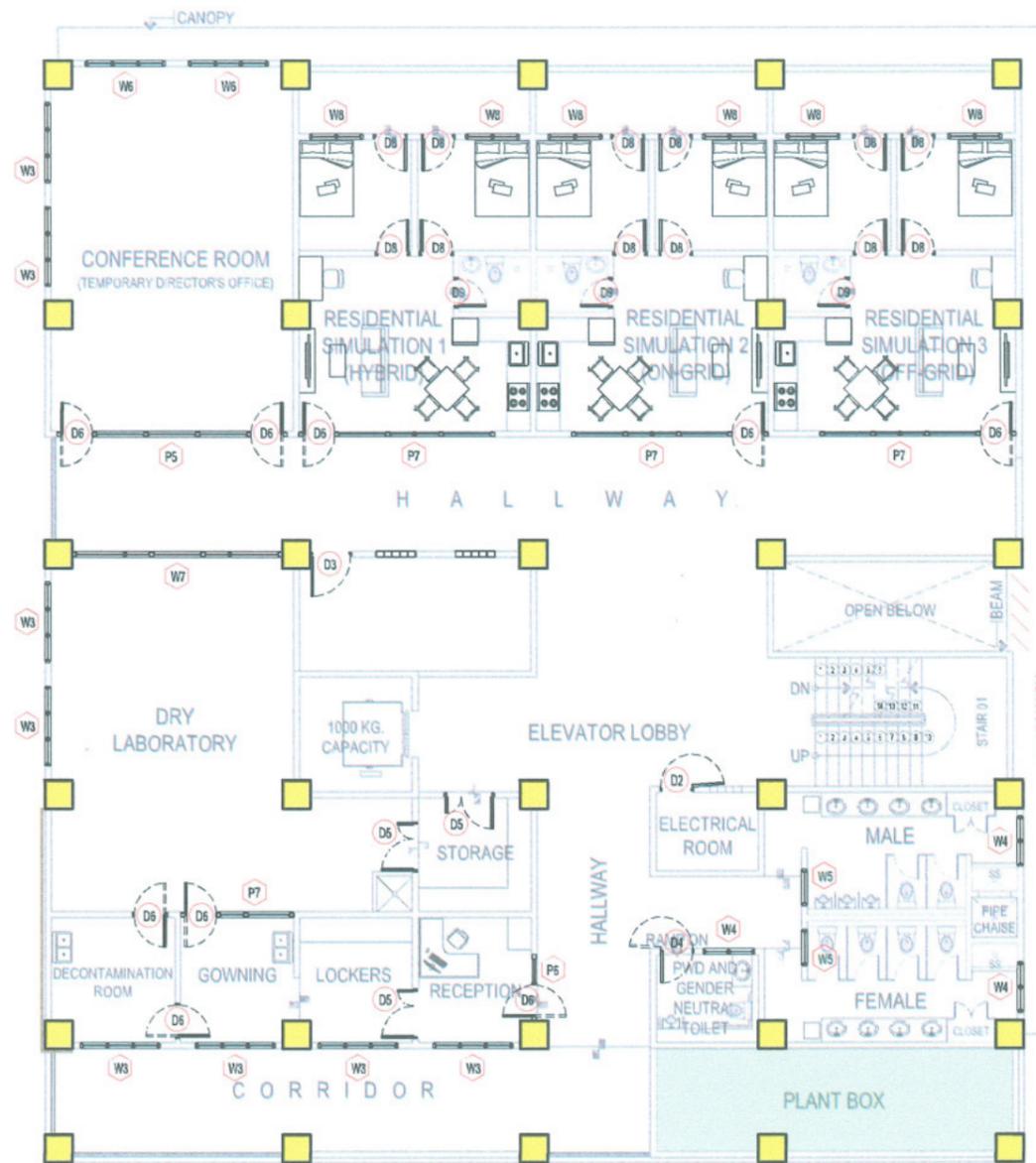
SECOND FLOOR DOORS AND WINDOWS LAYOUT

SCALE 1:175 M



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

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: AR. JHON CARLO V. MAMACLAY DRAFTSMAN	CHECKED BY: AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: ATTY. GHEROLD C. BENITEZ VP FOR ADMINISTRATION	APPROVED: DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-26 PAGE NO: 26/99
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THIRD FLOOR DOORS AND WINDOWS LAYOUT

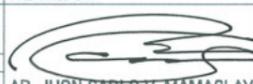
SCALE 1:175 M



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

PROJECT TITLE:
**CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING (PHASE I)**

PROJECT LOCATION:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:

AR. JHON CARLO V. MAMACLAY
DRAFTSMAN

CHECKED BY:

AR. CHERRY L. FABIANES
HEAD, OFDM-PDU

CERTIFIED BY:

AR. ARLEN M. GUIEB
DIRECTOR, OFDM

REQUESTING OFFICE:

DR. LEO P. PIAO
DIRECTOR, CSET

RECOMMENDING APPROVAL:

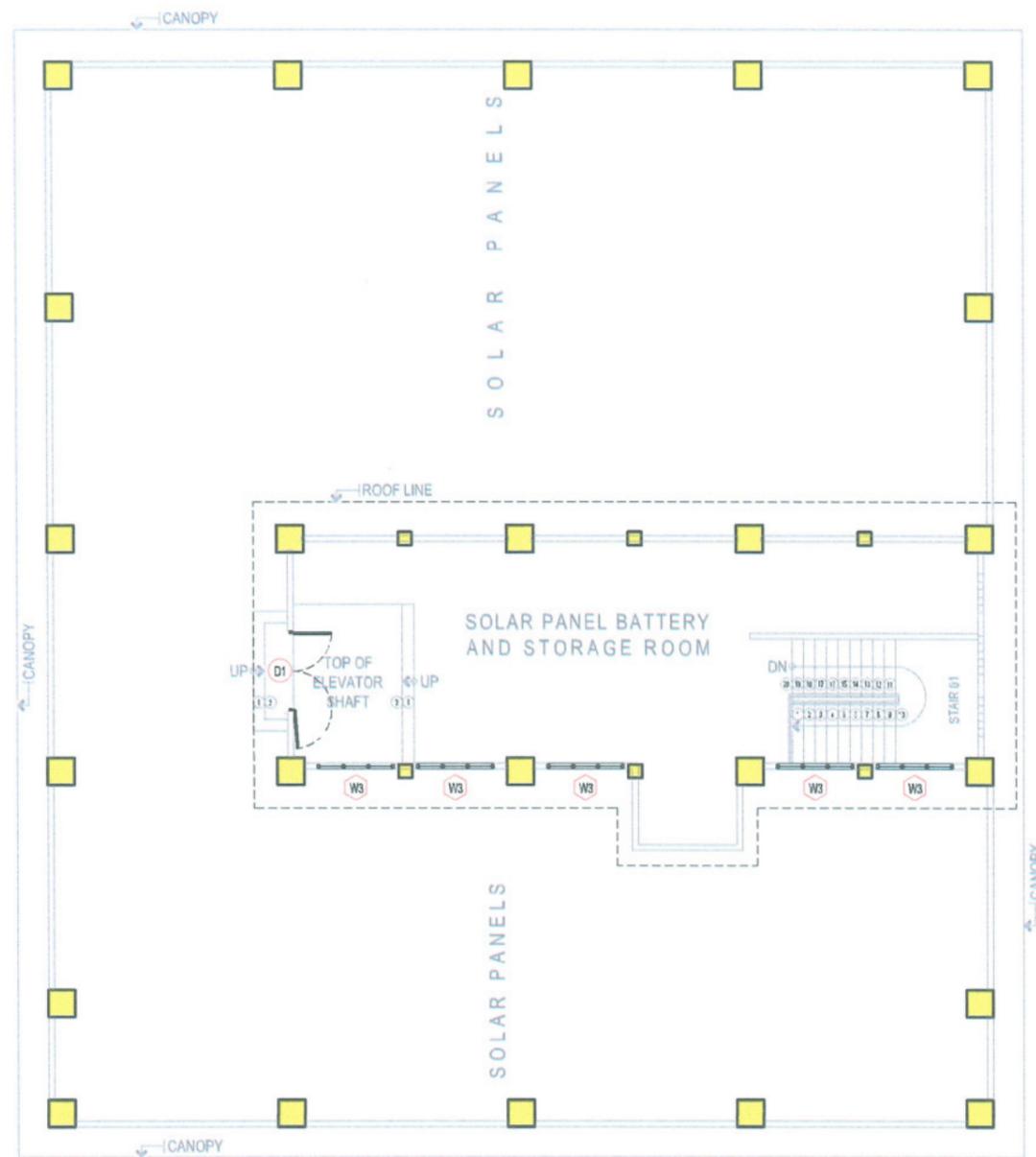
ATTY. GHENDOLD C. BENITEZ
ATTORNEY FOR ADMINISTRATION

APPROVED:

DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN
DATE: 2025

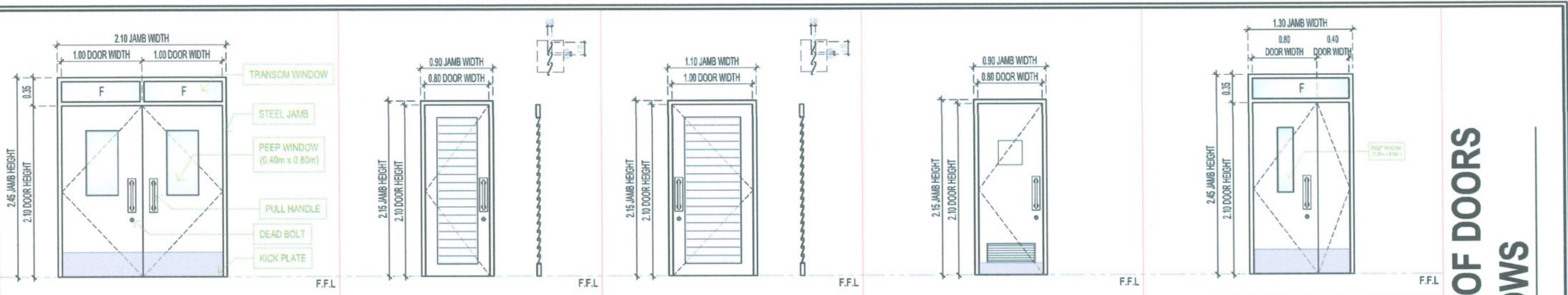
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A-27
PAGE NO:
27/99



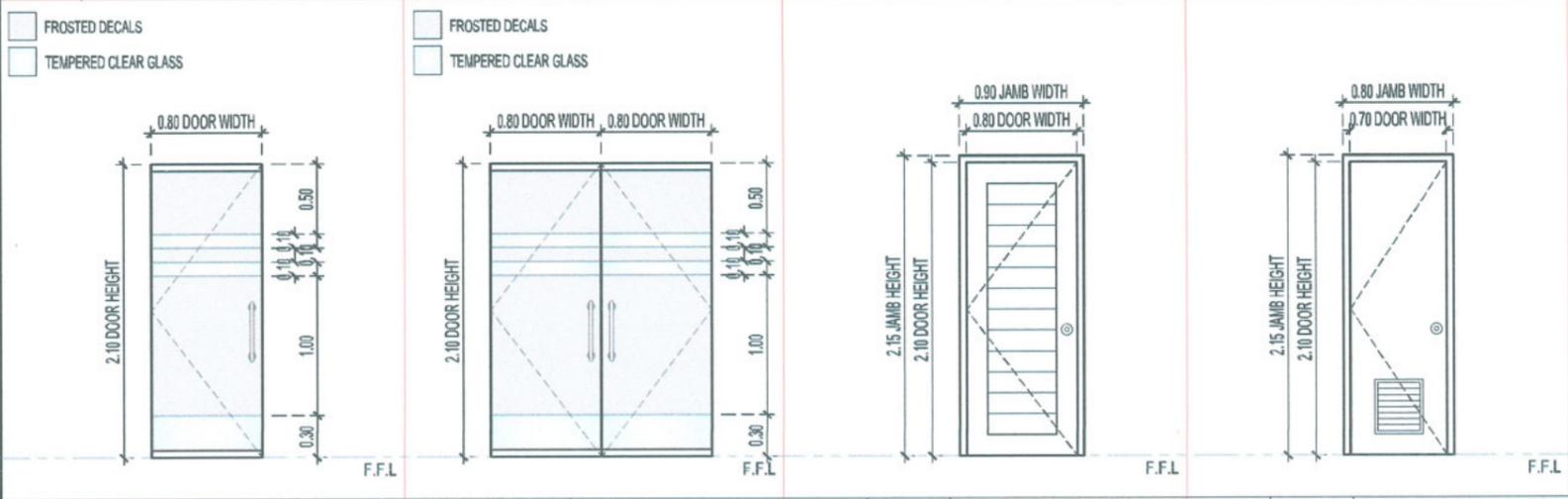
ROOF DECK DOORS AND WINDOWS LAYOUT

SCALE 1:175 M

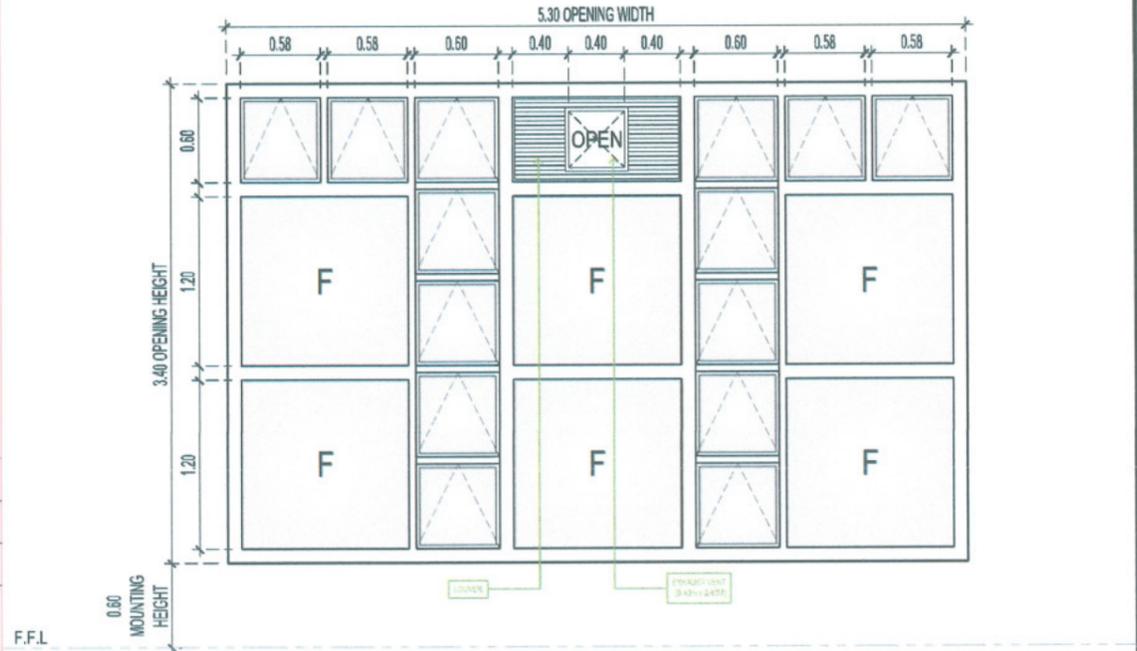
 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY:  AR. JHON CARLO V. MAMACLAY <small>DRAFTSMAN</small>	CHECKED BY:  AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY:  AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE:  DR. LEO P. PIAO <small>DIRECTOR, CSET</small>	RECOMMENDING APPROVAL:  ATTY. SHEROL C. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED:  DR. ARNOLD E. VELASCO <small>RESIDENT</small>	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: A-28 PAGE NO: 28/99
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								



Item	Quantity	Location	Description
D1	2 - SETS	FABRICATION AREA	DOOR PANEL: 50mm DOUBLE-LEAF GI SHEET PANEL GA. 18 (SMOOTH PAINT FINISH) DOOR JAMB: GA.16 GI SHEET SINGLE RABBET (SMOOTH PAINT FINISH) DOOR INSULATION: HONEYCOMB KICK PLATE: 1.2mm THK. S304 STAINLESS STEEL TRANSOM WINDOW FRAME: GA.16 GI SHEET TRANSOM GLASS: 6mm THK. CLEAR TEMPERED GLASS PEEP WINDOW GLASS: 6mm THK. CLEAR TEMPERED GLASS HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) DEADBOLT: STAINLESS STEEL HEAVY DUTY DOUBLE CYLINDER PULL HANDLE: 300mm x 100mm x 1.5mm THK. ROUND HEAVY DUTY STAINLESS STEEL WITH PLATE DOOR CLOSER: AUTOMATIC HEAVY DUTY STAINLESS STEEL FOR STEEL DOOR
D2	LEFT-HAND SWING; 3 - SETS	ELECTRICAL ROOM	DOOR PANEL: 50mm SINGLE-LEAF GI SHEET PANEL GA. 18 (SMOOTH PAINT FINISH) DOOR JAMB: GA.16 GI SHEET SINGLE RABBET (SMOOTH PAINT FINISH) DOOR INSULATION: HONEYCOMB LOUVER: 0.80mm thk. Z PROFILE BLADES GALVANIZED STEEL HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) DEADBOLT: STAINLESS STEEL HEAVY DUTY DOUBLE CYLINDER PULL HANDLE: 300mm x 100mm x 1.5mm THK. ROUND HEAVY DUTY STAINLESS STEEL WITH PLATE DOOR CLOSER: AUTOMATIC HEAVY DUTY STAINLESS STEEL FOR STEEL DOOR
D3	RIGHT HAND SWING; 3 - SETS	FLOW CONTROL ASSEMBLY	DOOR PANEL: 50mm SINGLE-LEAF GI SHEET PANEL GA. 18 (SMOOTH PAINT FINISH) DOOR JAMB: GA.16 GI SHEET SINGLE RABBET (SMOOTH PAINT FINISH) DOOR INSULATION: HONEYCOMB LOUVER: 0.80mm thk. Z PROFILE BLADES GALVANIZED STEEL HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) DEADBOLT: STAINLESS STEEL HEAVY DUTY DOUBLE CYLINDER PULL HANDLE: 300mm x 100mm x 1.5mm THK. ROUND HEAVY DUTY STAINLESS STEEL WITH PLATE DOOR CLOSER: AUTOMATIC HEAVY DUTY STAINLESS STEEL FOR STEEL DOOR
D4	4 - SETS	BREAST FEEDING ROOM; PWD AND GENDER NEUTRAL TOILET	DOOR PANEL: 50mm SINGLE-LEAF GI SHEET PANEL GA. 18 (SMOOTH PAINT FINISH) DOOR JAMB: GA.16 GI SHEET DOUBLE RABBET (SMOOTH PAINT FINISH) DOOR INSULATION: HONEYCOMB LOUVER: 0.80mm thk. Z PROFILE BLADES GALVANIZED STEEL KICK PLATE: 1.2mm THK. S304 STAINLESS STEEL HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) DEADBOLT: STAINLESS STEEL HEAVY DUTY DOUBLE CYLINDER PULL HANDLE: 300mm x 100mm x 1.5mm THK. ROUND HEAVY DUTY STAINLESS STEEL WITH PLATE DOOR CLOSER: AUTOMATIC HEAVY DUTY STAINLESS STEEL FOR STEEL DOOR
D5	6 - SETS	WET AND DRY LABORATORY	DOOR PANEL: 50mm DOUBLE-LEAF GI SHEET PANEL GA. 18 (SMOOTH PAINT FINISH) DOOR JAMB: GA.16 GI SHEET SINGLE RABBET (SMOOTH PAINT FINISH) DOOR INSULATION: HONEYCOMB KICK PLATE: 1.2mm THK. S304 STAINLESS STEEL TRANSOM WINDOW FRAME: GA.16 GI SHEET TRANSOM GLASS: 6mm THK. CLEAR TEMPERED GLASS PEEP WINDOW GLASS: 6mm THK. CLEAR TEMPERED GLASS HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) DEADBOLT: STAINLESS STEEL HEAVY DUTY DOUBLE CYLINDER PULL HANDLE: 300mm x 100mm x 1.5mm THK. ROUND HEAVY DUTY STAINLESS STEEL WITH PLATE DOOR CLOSER: AUTOMATIC HEAVY DUTY STAINLESS STEEL FOR STEEL DOOR



Item	Quantity	Location	Description
D6	23 - SETS	COMPUTER LAB, WET AND DRY LABS, CLASS ROOMS, SIMULATION ROOMS, CONFERENCE ROOM	DOOR PANEL: 12mm thk. TEMPERED GLASS SINGLE-LEAF DOOR WITH FROSTED DECALS ACCESSORY: FD100 CLOSER TOP & BOTTOM FRAME WITH S304 STAINLESS H-TYPE DOOR HANDLE AND COMPLETE ACCESSORIES
D7	1 - SET	COMPUTER LABORATORY	DOOR PANEL: 12mm thk. DOUBLE-LEAF TEMPERED GLASS DOOR WITH FROSTED DECALS ACCESSORY: FD100 CLOSER TOP & BOTTOM FRAME WITH S304 STAINLESS H-TYPE DOOR HANDLE AND COMPLETE ACCESSORIES
D8	LEFT- HAND SWING: 6 - SETS; RIGHT-HAND SWING: 6-SETS	SIMULATION ROOMS	DOOR PANEL: 50mm SINGLE-LEAF TANGUILE WOOD PANEL DOOR DOOR JAMB: GA.16 GI SHEET SINGLE RABBET (SMOOTH PAINT FINISH) HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) KNOB: GRADE-1 32mmØ x 300mm D-TYPE STAINLESS STEEL ROUND DOOR HANDLE
D9	LEFT- HAND SWING: 2 - SETS; RIGHT-HAND SWING: 1 - SETS	SIMULATION ROOMS	DOOR PANEL: 50mm SINGLE-LEAF TANGUILE WOOD PANEL DOOR DOOR JAMB: GA.16 GI SHEET SINGLE RABBET (SMOOTH PAINT FINISH) HINGES: HEAVY DUTY BALL BEARING (1 @ TOP 1 @ MID 1 @ BOTTOM) KNOB: GRADE-1 32mmØ x 300mm D-TYPE STAINLESS STEEL ROUND DOOR HANDLE

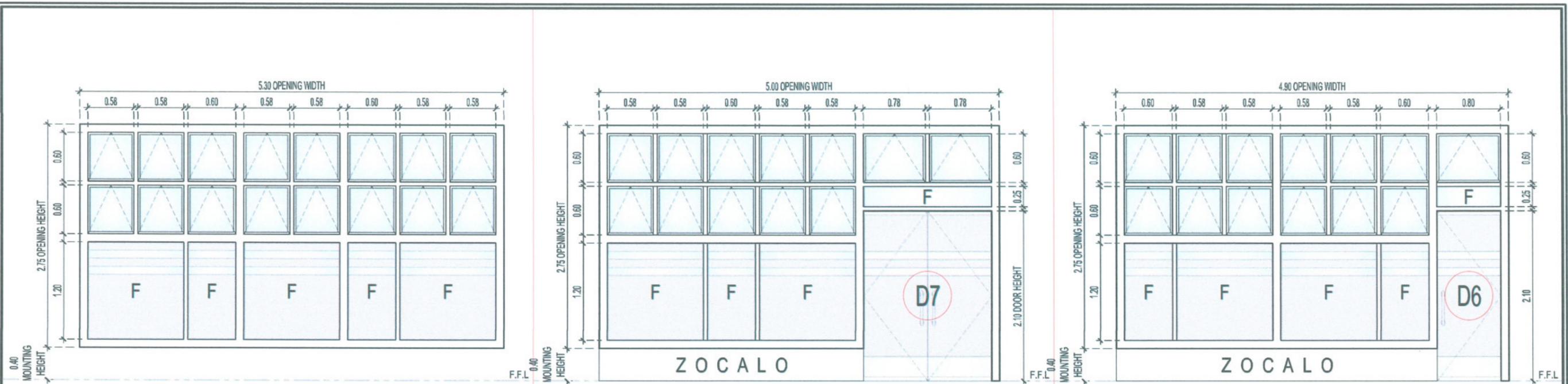


Item	Quantity	Location	Description
P1	2 - SETS	FABRICATION AREA	ALUMINUM FIXED WINDOW WITH AWNING WINDOW IN 1-3/4" X 4" AND 4"X4" BLACK POWDER-COATED ALUMINUM FRAME WITH 10mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES AND 0.40m X 0.40m SLOT FOR EXHAUST VENT WITH LOUVERS

SCHEDULE OF DOORS AND WINDOWS

SCALE 1:50 M

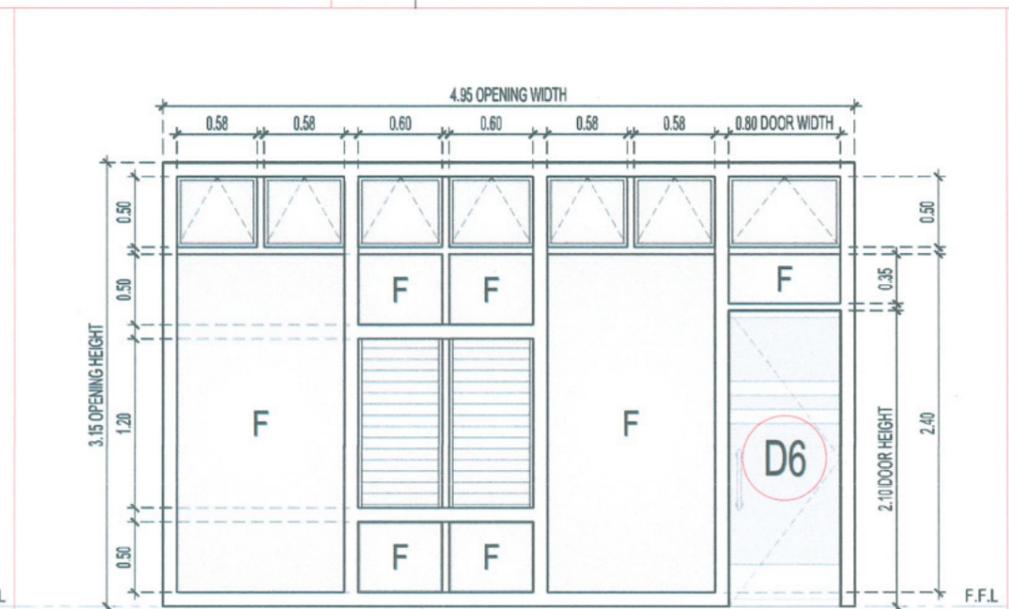
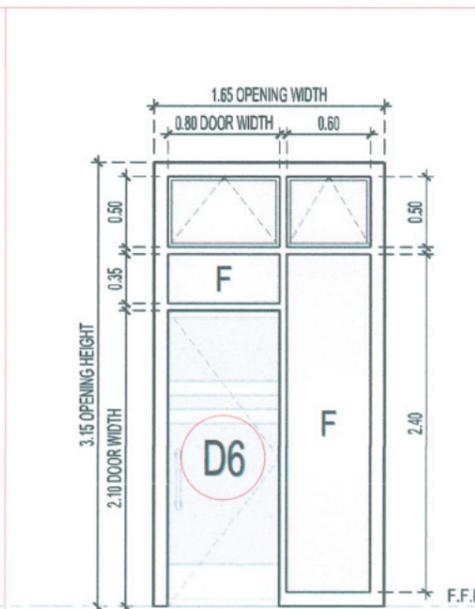
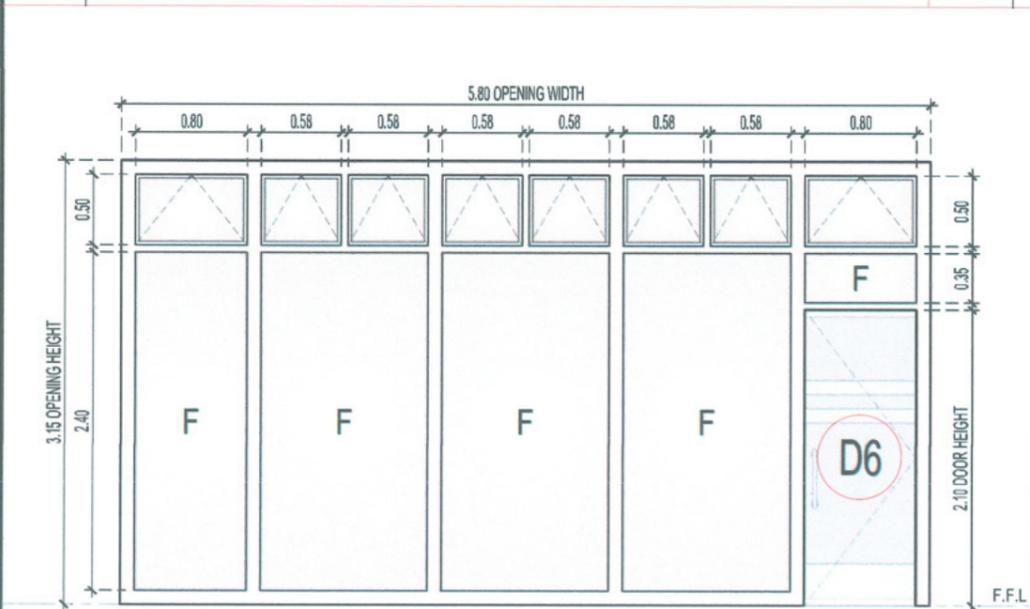
	PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY:	AR. JHON CARLO V. MAMAACLAY	CHECKED BY:	AR. CHERRY L. FABIANES	CERTIFIED BY:	AR. ARLEN M. GUIEB	REQUESTING OFFICE:	DR. LEO P. PIAO	RECOMMENDING APPROVAL:	ATTY. GUEROLDO BENITEZ	APPROVED:	DR. ARNOLD E. VELASCO	SHEET CONTENTS:	AS SHOWN	SHEET NO:	A-29
	PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	DRAFTSMAN	HEAD. OF DM-PDU	DIRECTOR, OFDM	DIRECTOR, CSET	VP FOR ADMINISTRATION	PRESIDENT	DATE:	2025	PAGE NO:	29/99						



P2	QUANTITY	1- SET
	LOCATION	COMPUTER LABORATORY
DESCRIPTION	ALUMINUM FIXED WINDOW WITH AWNING TRANSOM IN 1-3/4" X 4" AND 4"X4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. CLEAR TEMPERED GLASS WITH COMPLETE ACCESSORIES	

P3	QUANTITY	1- SET
	LOCATION	COMPUTER LABORATORY
DESCRIPTION	ALUMINUM FIXED WINDOW WITH AWNING TRANSOM IN 1-3/4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

P4	QUANTITY	1- SET
	LOCATION	COMPUTER LABORATORY
DESCRIPTION	ALUMINUM FIXED WINDOW WITH AWNING TRANSOM IN 1-3/4" X 4" AND 4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. CLEAR TEMPERED GLASS WITH COMPLETE ACCESSORIES	



P5	QUANTITY	5- SETS
	LOCATION	CLASSROOMS AND CONFERENCE ROOM
DESCRIPTION	ALUMINUM FIXED WITH TRANSOM WINDOW IN 1-3/4" X 4" AND 4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 10mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

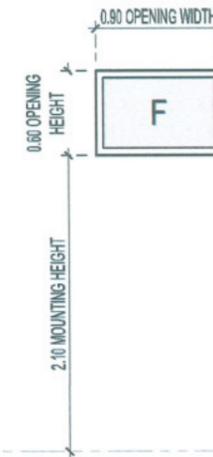
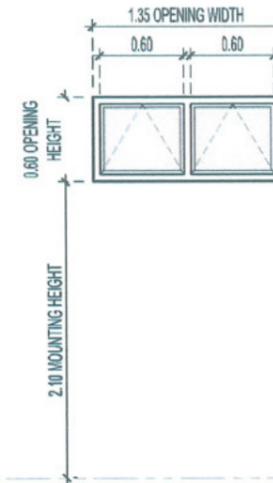
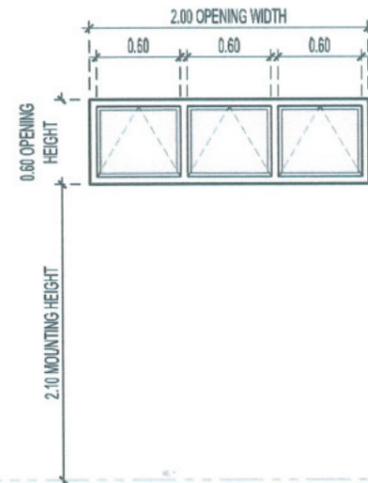
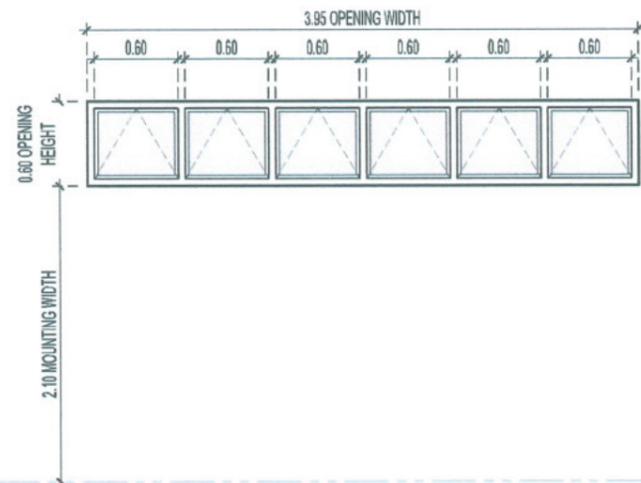
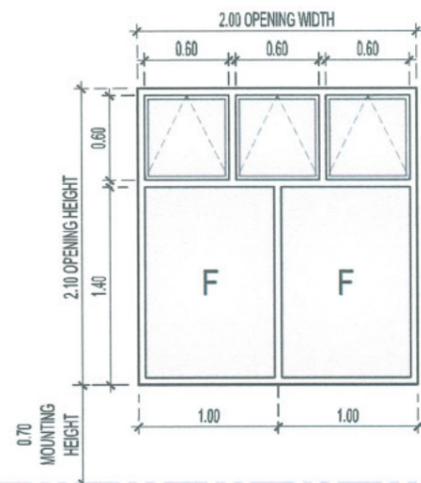
P6	QUANTITY	2- SETS
	LOCATION	DRY LABORATORY, WET LABORATORY
DESCRIPTION	ALUMINUM FIXED WINDOW WITH AWNING TRANSOM IN 1-3/4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS (EXTERIOR) WITH COMPLETE ACCESSORIES	

P7	QUANTITY	3- SETS
	LOCATION	SIMULATION ROOMS
DESCRIPTION	ALUMINUM FIXED 10mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WINDOW WITH JALOUSIE WINDOW AND AWNING TRANSOM IN 1-3/4" X 4" 4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

SCHEDULE OF DOORS AND WINDOWS

SCALE 1:50 M

TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY:	 AR. JHON CARLO V. MAMACLAY DRAFTSMAN	CHECKED BY:	 AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY:	 AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE:	 DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL:	 ATTY. GHERARD C. BENITEZ VP FOR ADMINISTRATION	APPROVED:	 DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS:	AS SHOWN	SHEET NO:	A-30
	PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY		DATE:	2025		PAGE NO:	30/99										



□ FROSTED DECALS

SCHEDULE OF WINDOWS AND ROLL-UP DOOR

SCALE 1:50 M

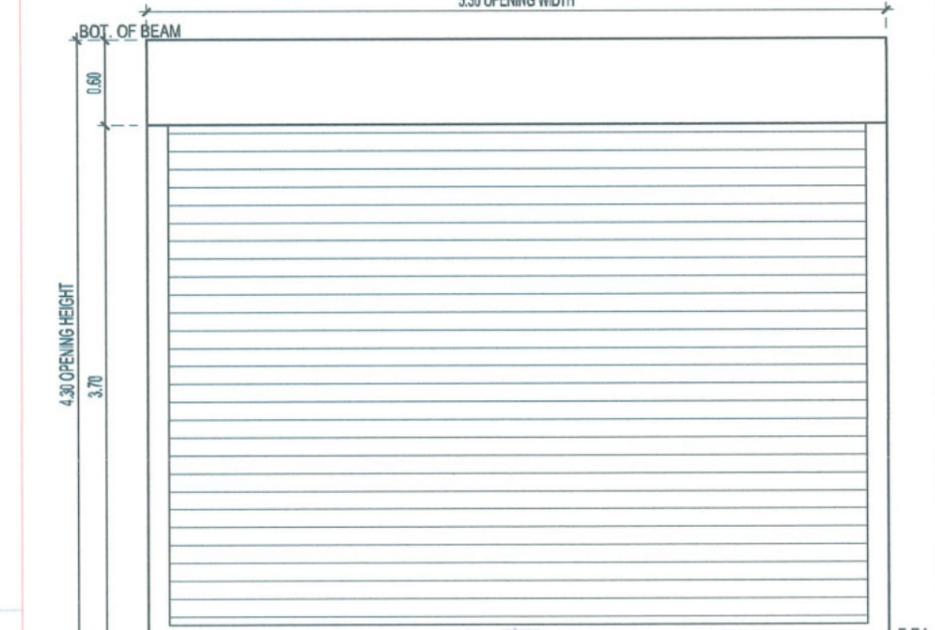
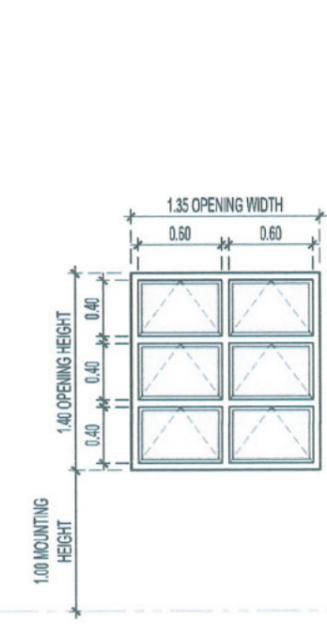
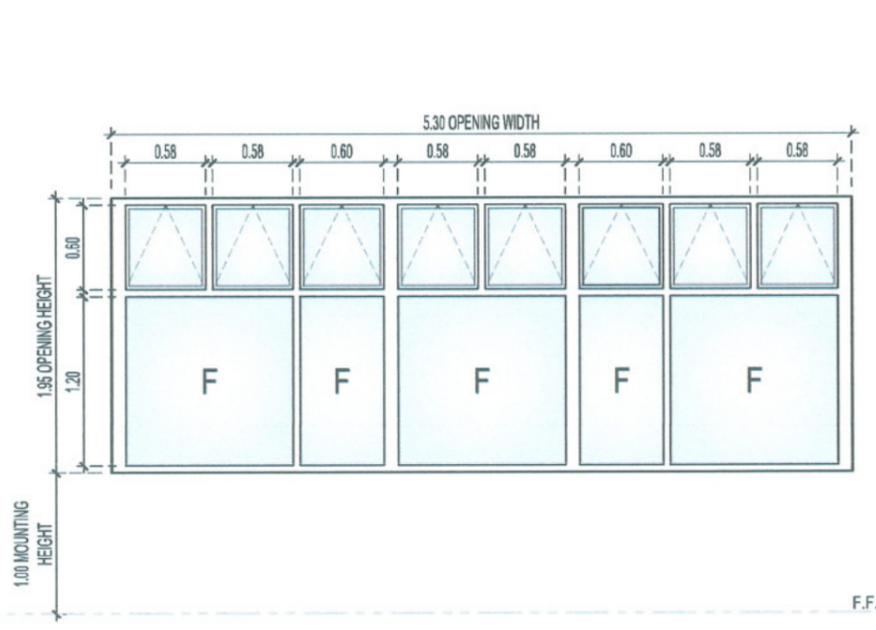
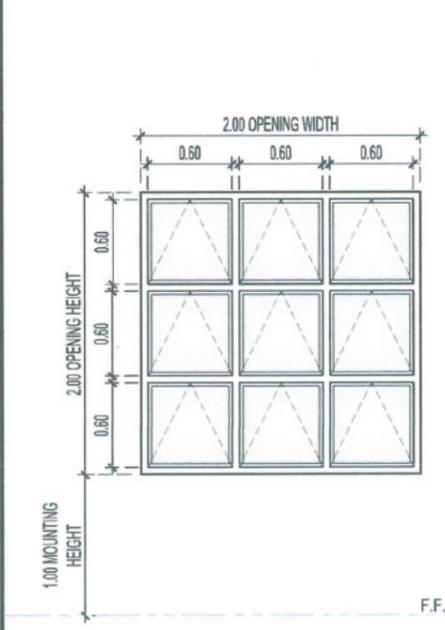
W1	QUANTITY	2 - SETS
	LOCATION	COMPUTER LABORATORY
DESCRIPTION	ALUMINUM FIXED WINDOW WITH AWNING TRANSOM IN 1-3/4"X4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS (EXTERIOR) WITH COMPLETE ACCESSORIES	

W2	QUANTITY	1 - SET
	LOCATION	HOT WORKS AREA
DESCRIPTION	ALUMINUM AWNING WINDOW IN 1-3/4"X4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

W3	QUANTITY	28 - SETS
	LOCATION	HOT WORKS AREA, CLASSROOM, WET AND DRY LABORATORY
DESCRIPTION	ALUMINUM AWNING WINDOW IN 1-3/4"X4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

W4	QUANTITY	13 - SETS
	LOCATION	TOOLS STORAGE, TOILETS, BREAST FEEDING ROOM
DESCRIPTION	ALUMINUM AWNING WINDOW IN 1-3/4"X4" AND 4"X4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

W5	QUANTITY	6 - SETS
	LOCATION	MALE AND FEMALE TOILETS
DESCRIPTION	ALUMINUM FIXED WINDOW IN 1-3/4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. CLEAR TEMPERED GLASS WITH FROSTED DECAL	



W6	QUANTITY	12 - SETS
	LOCATION	CLASSROOMS AND CONFERENCE ROOM
DESCRIPTION	ALUMINUM AWNING WINDOW IN 1-3/4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS WITH COMPLETE ACCESSORIES	

W7	QUANTITY	2 - SETS
	LOCATION	WET AND DRY LABORATORIES
DESCRIPTION	ALUMINUM FIXED WINDOW WITH AWNING TRANSOM IN 1-3/4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. CLEAR TEMPERED GLASS WITH COMPLETE ACCESSORIES	

W8	QUANTITY	6 - SETS
	LOCATION	SIMULATION ROOMS
DESCRIPTION	ALUMINUM AWNING WINDOW IN 1-3/4" X 4" BLACK POWDER-COATED ALUMINUM FRAME WITH 6mm THK. ONE-WAY REFLECTIVE BRONZE TINTED TEMPERED GLASS (EXTERIOR) WITH COMPLETE ACCESSORIES	

RD	QUANTITY	2 - SETS
	LOCATION	SIMULATION ROOMS
DESCRIPTION	GALVALUME GAUGE #20 MOTORIZED ROLL-UP DOOR WITH REMOTE CONTROL, AND CHAIN HOIST MECHANISM FOR EMERGENCY MANUAL OPERATION AND COMPLETE ACCESSORIES	



PROJECT TITLE:
CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)
PROJECT LOCATION:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
[Signature]
AR. JHON CARLO V. MAMACLAY
DRAFTSMAN

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

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

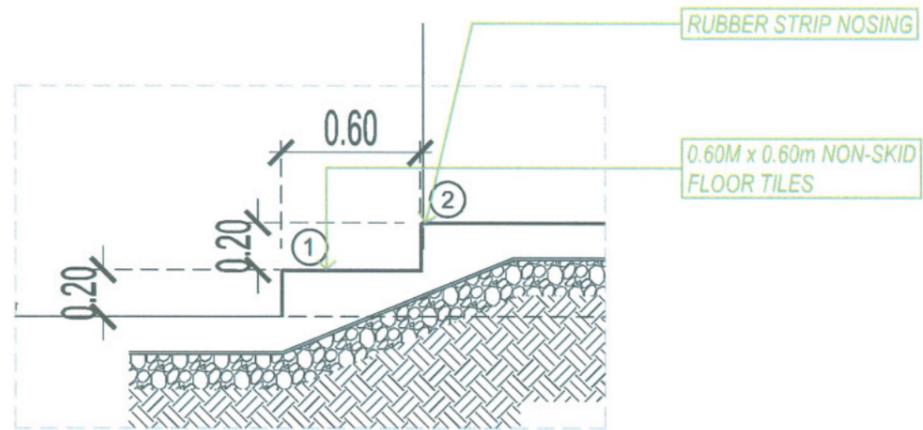
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RECOMMENDING APPROVAL:
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DEPUTY ADMINISTRATION

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DR. ARNOLD E. VELASCO
PRESIDENT

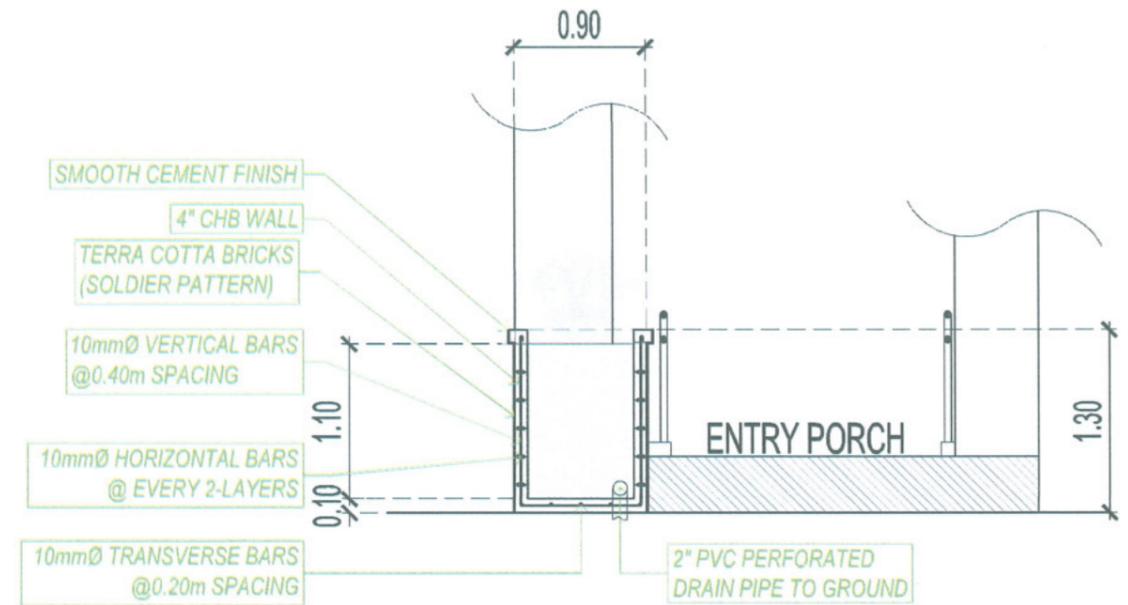
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AS SHOWN
DATE: 2025

SHEET NO:
A-31
PAGE NO:
31/99



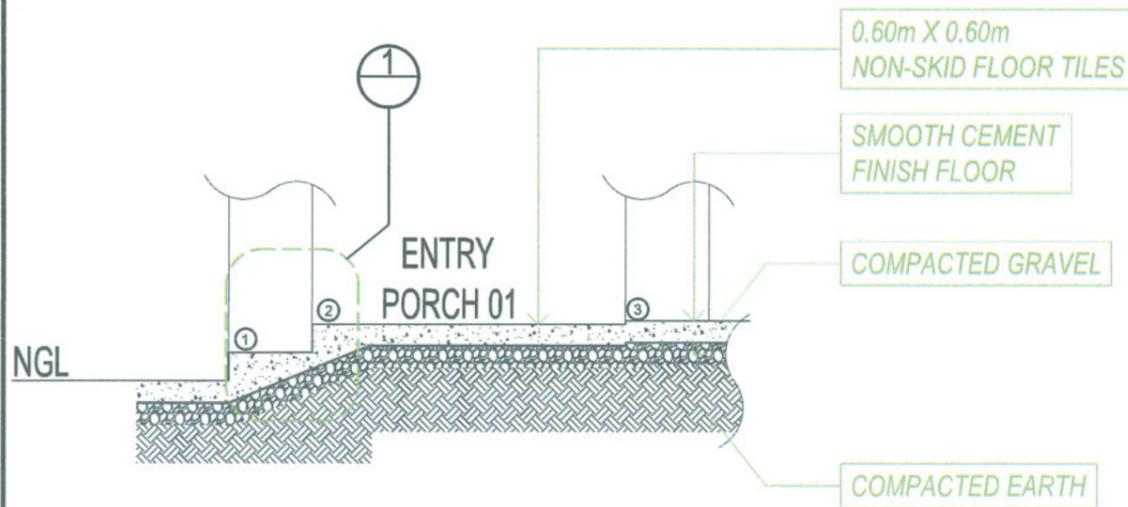
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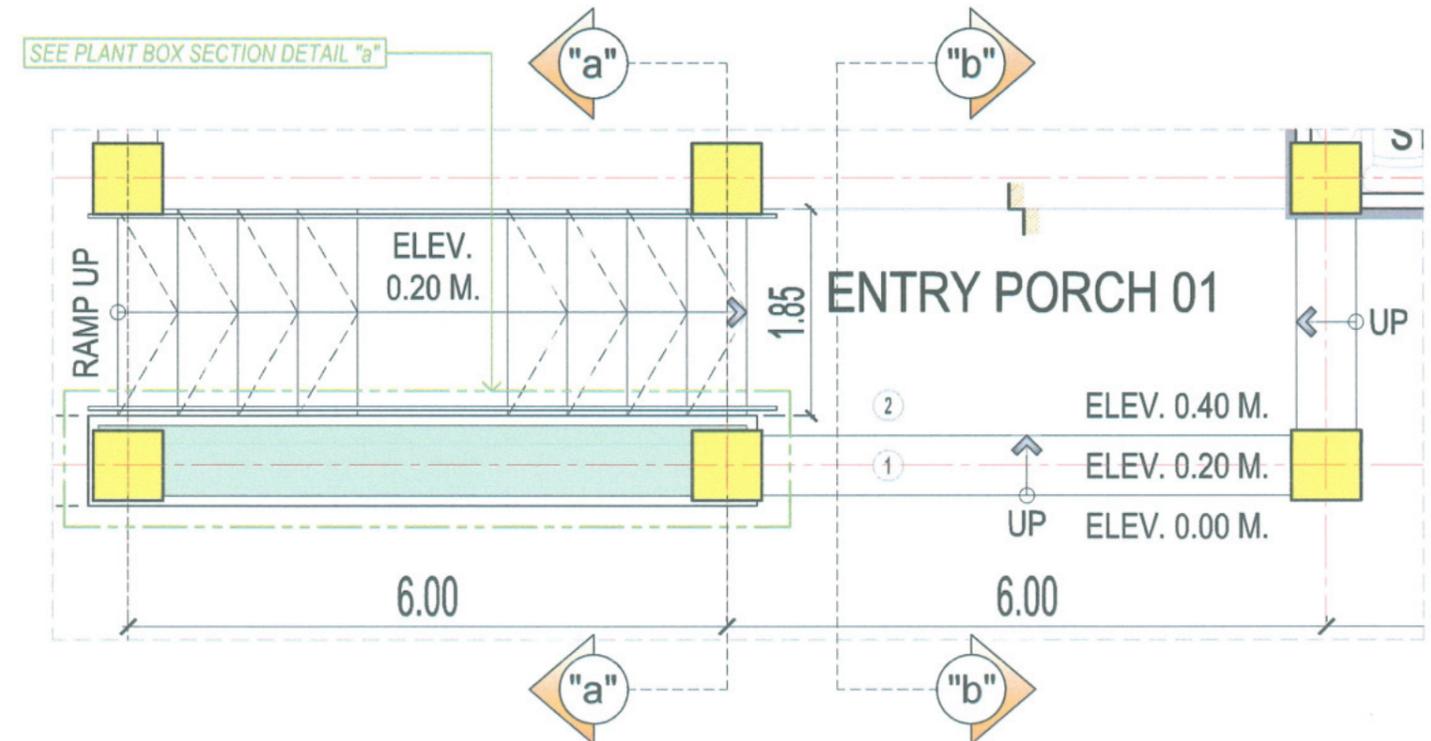
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SECTION DETAIL "b"

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ENTRY PORCH 01 KEY PLAN

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

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**CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING (PHASE I)**

PROJECT LOCATION:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
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AR. PAULINE ANGELA M. MARTINEZ
DRAFTSMAN

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

CERTIFIED BY:
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DIRECTOR, OFDM

REQUESTING OFFICE:
[Signature]
DR. LEO P. PIAO
DIRECTOR, CSET

RECOMMENDING APPROVAL:
[Signature]
ATTY. GHEROLD C. BENITEZ
VP FOR ADMINISTRATION

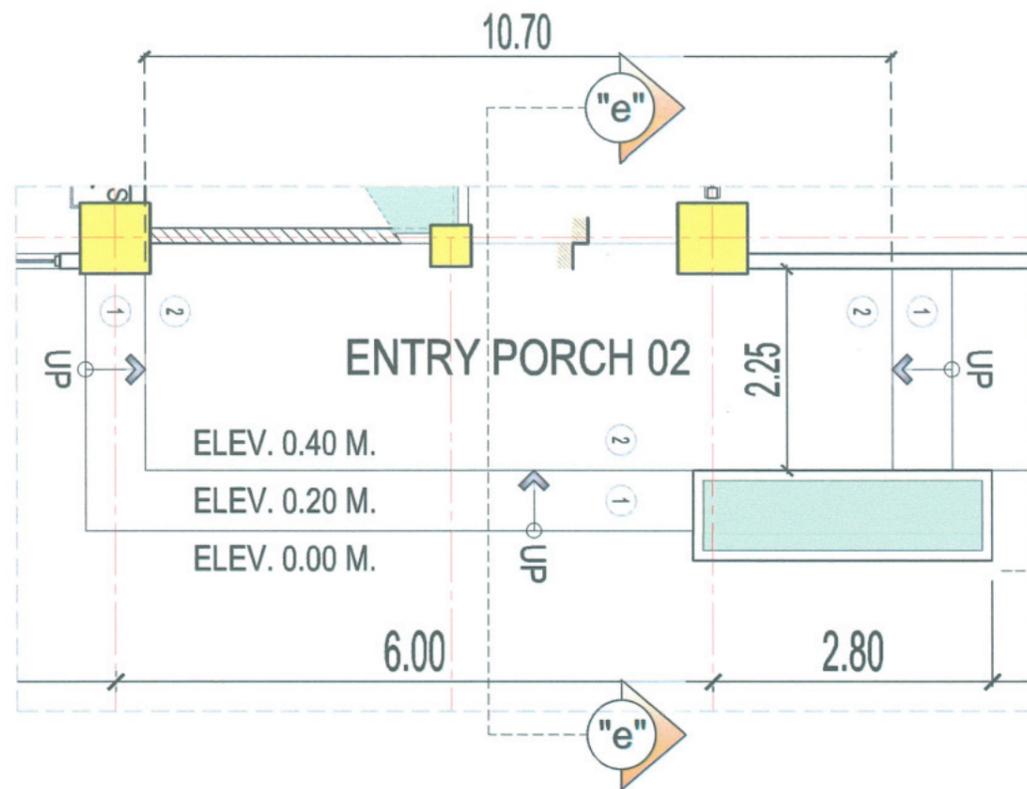
APPROVED:
[Signature]
DR. ARNOLD E. VELASCO
PRESIDENT

SHEET CONTENTS:
AS SHOWN

DATE: 2025

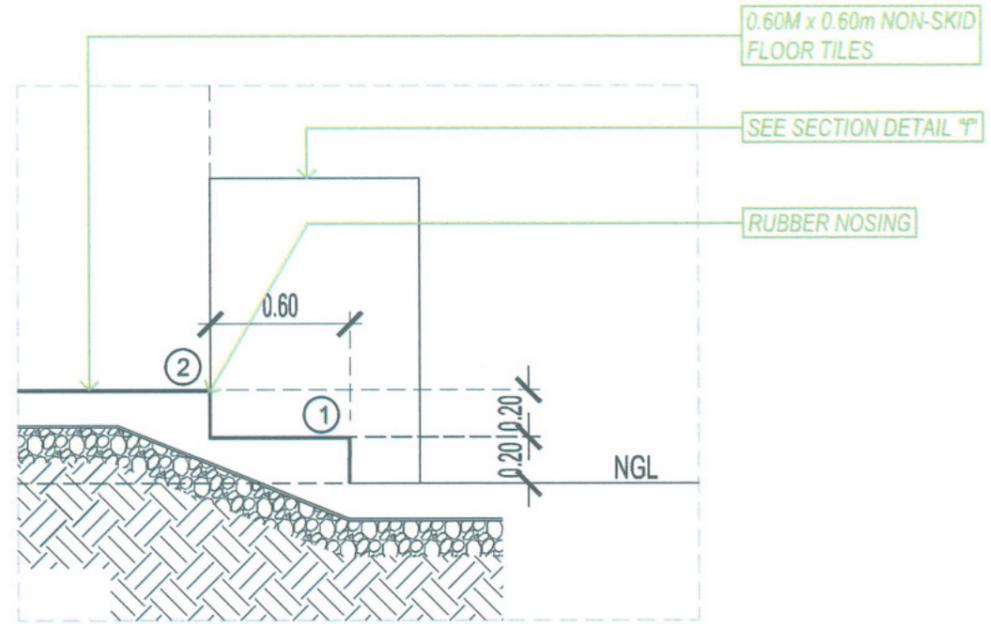
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PAGE NO:
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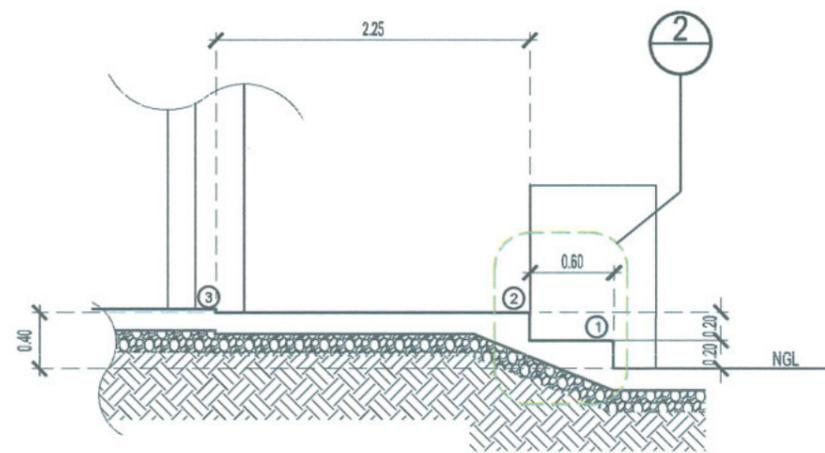
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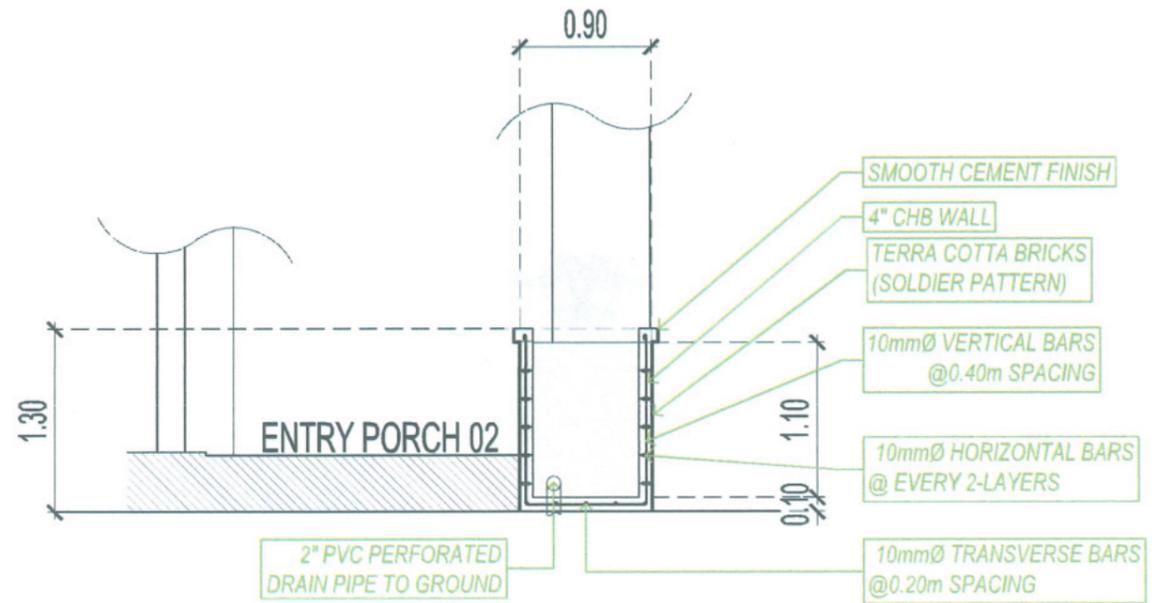
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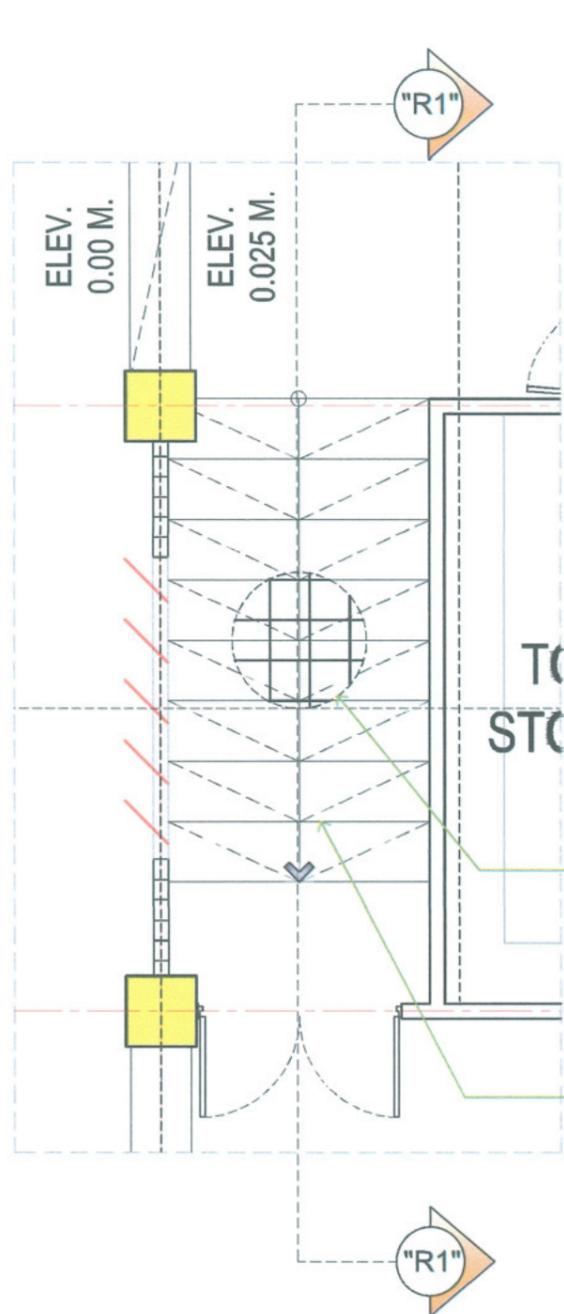


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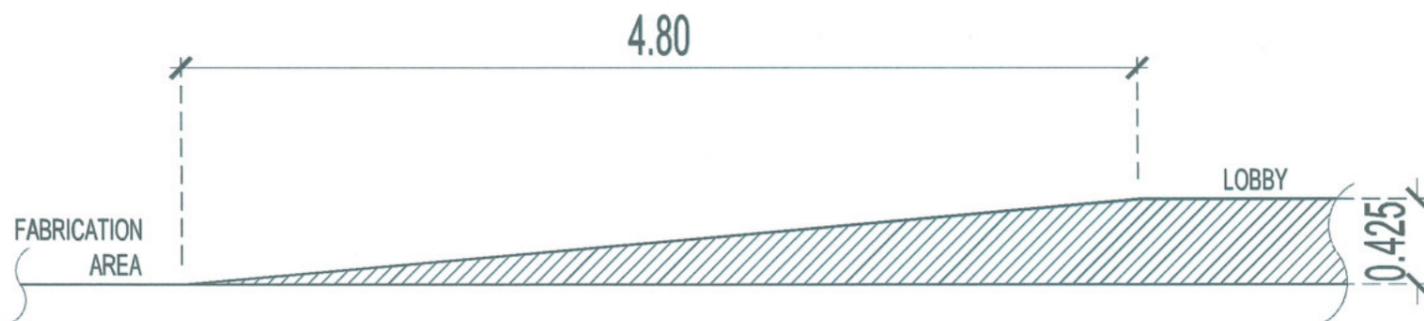
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<p>TARLAC STATE UNIVERSITY Facilities Development and Management Office Remulo Boulevard, Tarlac City, Philippines 2300</p>	PROJECT TITLE:	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY:	AR. PAULINE ANGELA M. MARTINEZ DRAFTSMAN	CHECKED BY:	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY:	AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE:	DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL:	ATTY. GHEROLD C. BENITEZ OFFICE ADMINISTRATION	APPROVED:	DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS:	AS SHOWN	SHEET NO.:	A-34	
	PROJECT LOCATION:	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY																PAGE NO.:	34/99
																DATE: 2025			



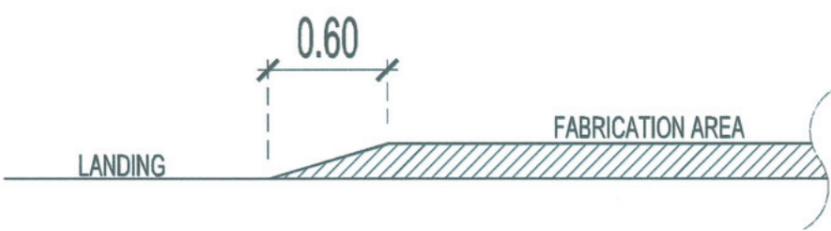
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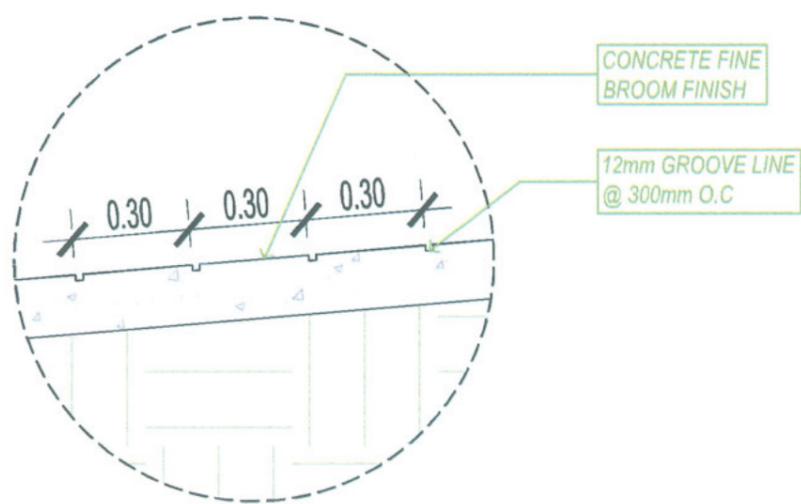
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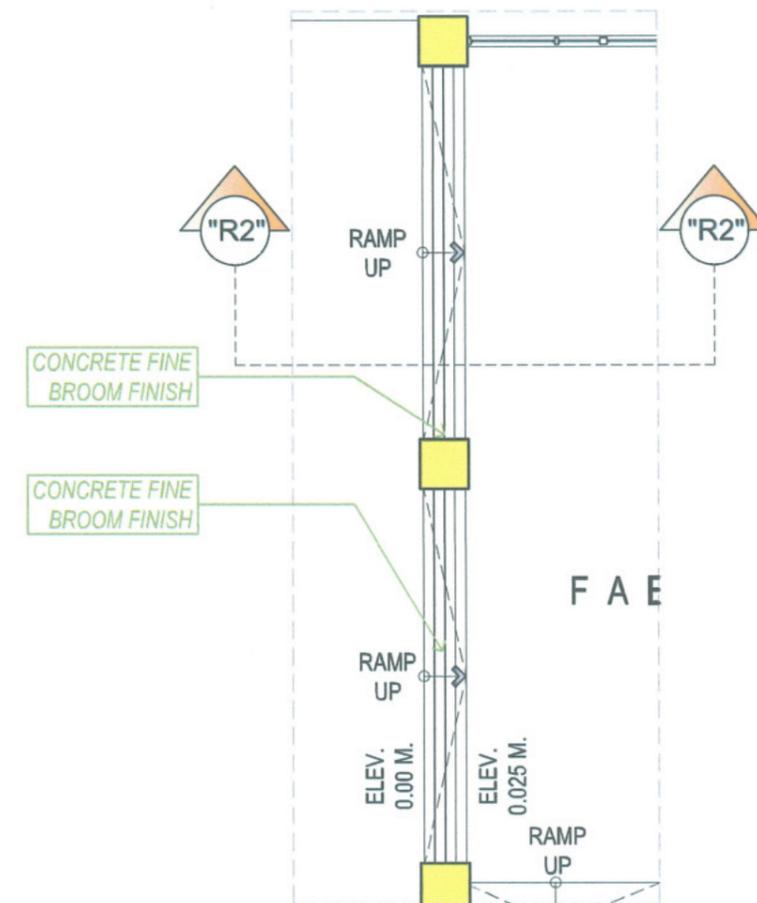
SEE GROOVE
BLOW-UP DETAIL



RAMP SECTION DETAIL "R2"
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GROOVE BLOW-UP DETAIL
NTS.



RAMP PLAN DETAIL "R2"
SCALE 1:100 MTS.



TARLAC STATE UNIVERSITY
Facilities Development and
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Remulo Boulevard, Tarlac City, Philippines 3300

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CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY
AND INNOVATION BUILDING (PHASE I)
PROJECT LOCATION:
SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
Pauline Angela M. Martinez
AR. PAULINE ANGELA M. MARTINEZ
DRAFTSMAN

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

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

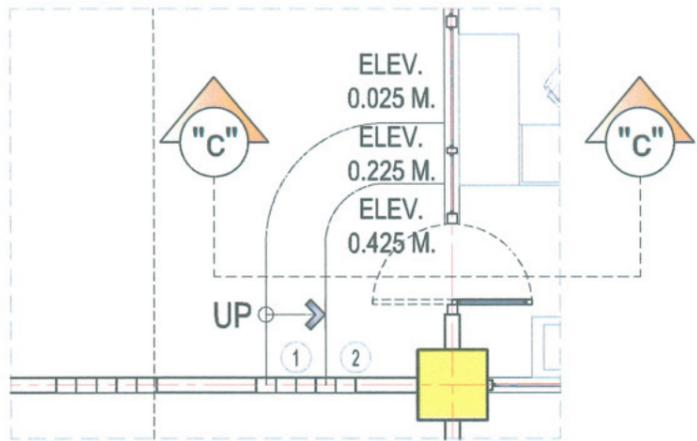
REQUESTING OFFICE:
Leo P. Piao
DR. LEO P. PIAO
DIRECTOR, CSET

RECOMMENDING APPROVAL:
Gherold C. Benitez
ATTY. GHEROLD C. BENITEZ
VP FOR ADMINISTRATION

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

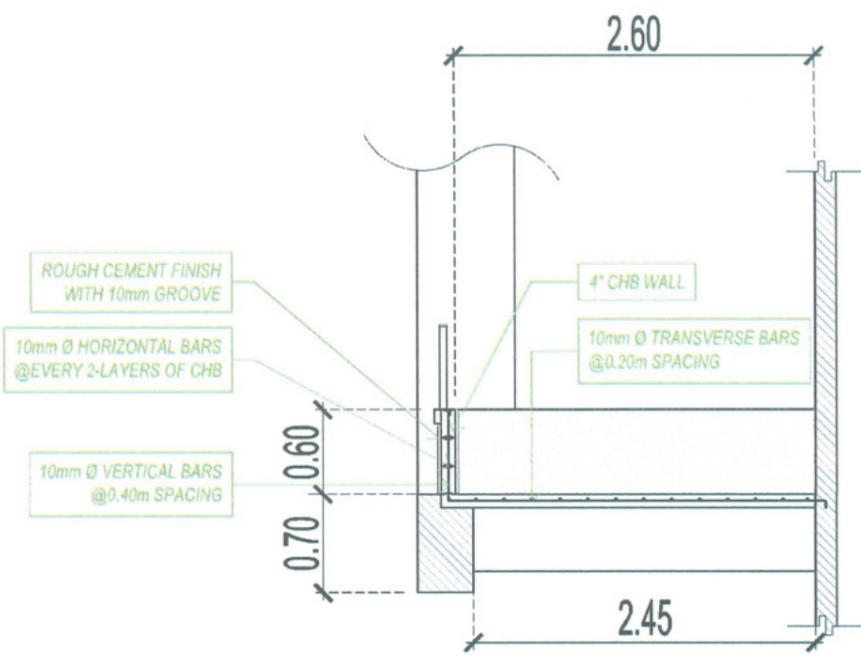
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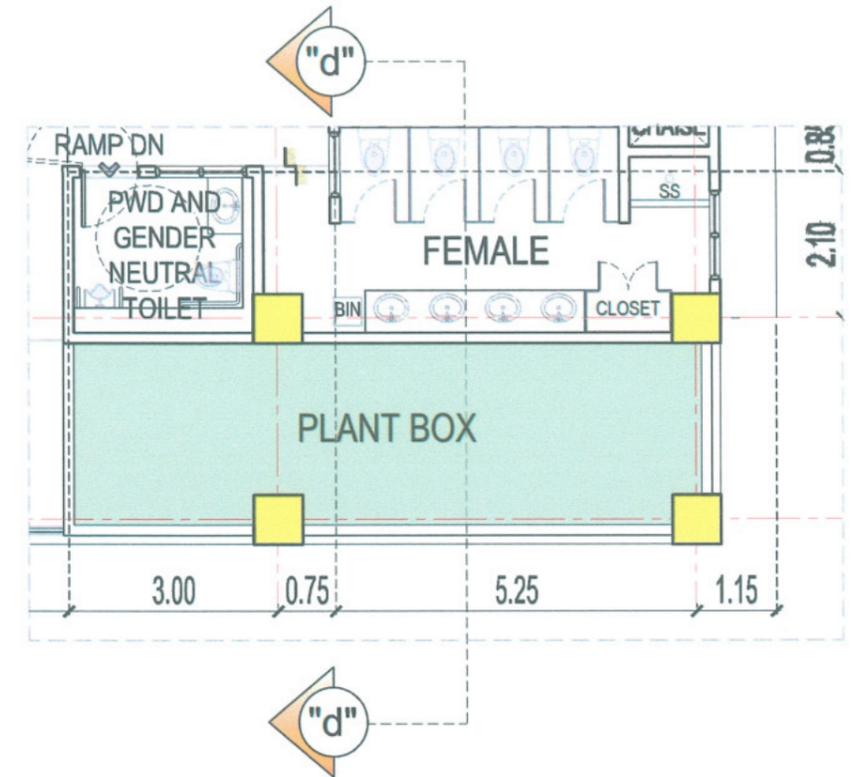
FABRICATION AREA KEY PLAN

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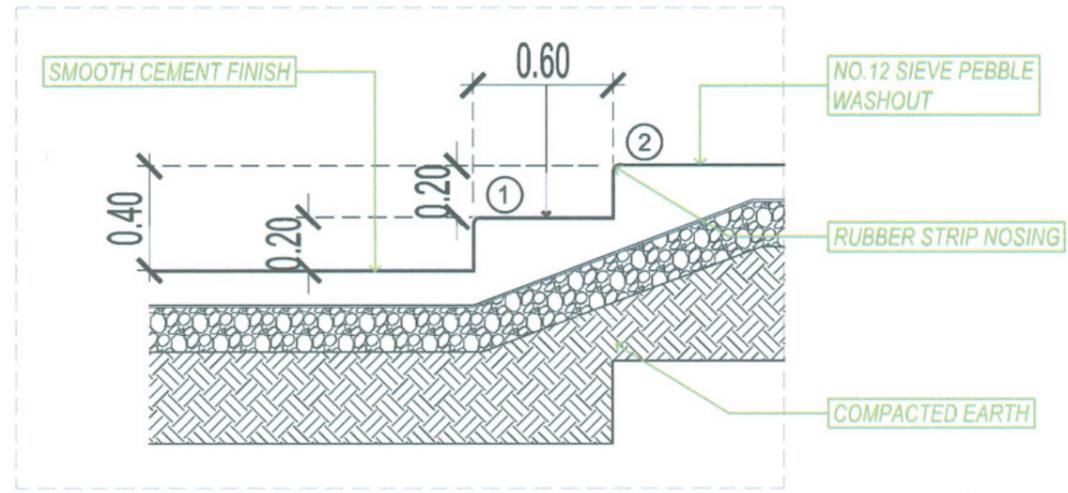
SECOND-THIRD FLOOR PLANT BOX DETAIL

SCALE 1:50MTS.



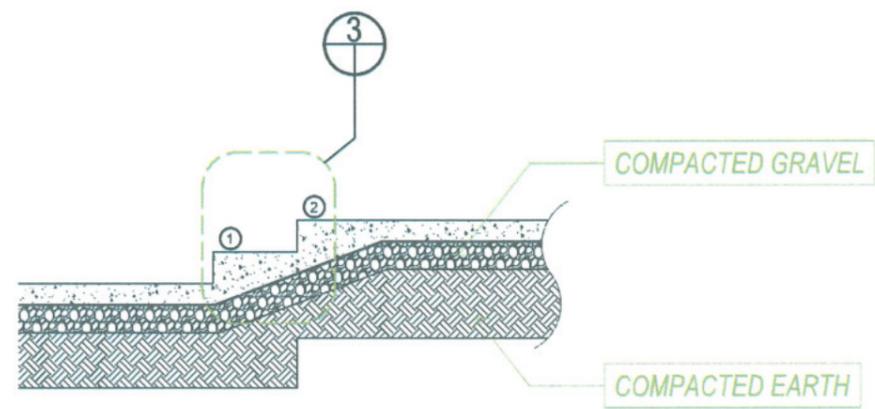
SECOND-THIRD FLOOR PLANT BOX KEY PLAN

SCALE 1:70MTS.



STEP DETAIL "3"

SCALE 1:30MTS.



SECTION DETAIL "c"

SCALE 1:50MTS.



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

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE I)	PREPARED BY: <i>[Signature]</i> AR. PAULINE ANGELA M. MARTINEZ DRAFTSMAN	CHECKED BY: <i>[Signature]</i> AR. CHERRY L. FABIANES HEAD, OFDM-PDU	CERTIFIED BY: <i>[Signature]</i> AR. ARLEN M. QUIEB DIRECTOR, OFDM	REQUESTING OFFICE: <i>[Signature]</i> DR. LEO P. PIAO DIRECTOR, CSET	RECOMMENDING APPROVAL: <i>[Signature]</i> ATTY. GHEROLAC BENITEZ VP FOR ADMINISTRATION	APPROVED: <i>[Signature]</i> DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN	SHEET NO: A-36
PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: 2025	PAGE NO: 36/99

STRUCTURAL - GENERAL NOTES

A. GENERAL

- A.1 THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. NONETHELESS, SPECIFIC NOTES AND DETAILS SHALL PRECEDE OVER GENERAL NOTES AND TYPICAL DETAILS.
- A.2 THE STRUCTURAL DRAWINGS SHALL BE UTILIZED IN CONJUNCTION WITH OTHER DESIGN DRAWINGS (ARCHITECTURAL, ELECTRICAL, PLUMBING, MECHANICAL, ETC.). IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE REQUIREMENTS OF THE DRAWINGS INTO THEIR SHOP DRAWINGS AND CONSTRUCTION.
- A.3 CONTRACTOR SHALL STUDY THE DRAWINGS AND SPECIFICATIONS, VERIFY ALL DIMENSIONS, AND INSPECT THE FIELD CONDITIONS, REPORTING ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH ANY PHASE OF THE WORK.
- A.4 THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.
- A.5 THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES AND NOTIFY ANY CONFLICTS TO THE ARCHITECT/ENGINEER PRIOR TO COMMENCEMENT OF EXCAVATION.
- A.6 DEMOLITION OF EXISTING STRUCTURES IF ANY SHALL NOT BE COMMENCED UNTIL PROTECTIVE MEASURES ARE SET IN PLACE; PLANS, METHODS, AND SCHEDULES OF DEMOLITION SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER.
- A.7 THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE.
- A.8 THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, ELECTRICAL, PLUMBING AND MECHANICAL DRAWINGS FOR REQUIRED OPENINGS. MOREOVER, SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS AND LOCATION OF DEPRESSED FLOOR AREAS.
- A.9 DO NOT SCALE ANY DIMENSION FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST FROM THE ARCHITECT/ENGINEER THE NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
- A.10 SHOP DRAWINGS OF STRUCTURAL ITEMS FOR STEEL AND CONCRETE MEMBERS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO THE FABRICATION AND CONSTRUCTION.

B. REFERENCES

- B.1 ALL CONCRETE WORKS SHALL BE DONE IN ACCORDANCE WITH:
- THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
 - DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315-99)
 - JOINTS IN CONCRETE CONSTRUCTION (ACI 224.3R-95)
- B.2 ALL STRUCTURAL STEEL WORKS SHALL DONE IN ACCORDANCE WITH:
- SPECIFICATION FOR STRUCTURAL STEEL BUILDING (ANSI/AISC 360-16)
 - STEEL CONSTRUCTION MANUAL, 14TH EDITION

C. CONCRETE

- C.1 UNLESS OTHERWISE INDICATED IN PLANS OR NOTED IN THE STRUCTURAL SPECIFICATIONS, THE MINIMUM 28th DAYS COMPRESSIVE CYLINDER STRENGTH OF CONCRETE WITH CORRESPONDING MAXIMUM AGGREGATE SIZE AND SLUMP SHALL BE AS FOLLOWS:

ELEMENT	28 th DAY STRENGTH	MAX. AGGREGATE SIZE	SLUMP
FOUNDATION & WALLS	4500 PSI	3/4 in.	4 in.
COLUMNS & PEDESTALS	4500 PSI	3/4 in.	4 in.
BEAMS & GIRDERS	4500 PSI	3/4 in.	4 in.
SUSPENDED SLABS	4500 PSI	3/4 in.	4 in.
SLAB ON GRADE	4500 PSI	1 in.	4 in.
NON-STRUCTURAL ELEMENTS	2500 PSI	3/4 in.	4 in.

- C.2 CONCRETE-MIX DESIGNS ALONG WITH TEST DATA SHALL BE SUBMITTED BY THE CONTRACTOR PRIOR TO CONCRETE POURING.
- C.3 PRIOR TO PLACING OF CONCRETE, ALL REINFORCING STEEL BARS, ANCHOR BOLTS, DOWELS, EMBEDDED STRUCTURAL STEELS, PLATES, OR OTHER INSERTS, SHALL BE SECURED IN POSITION AND APPROVED BY THE ENGINEER.
- C.4 CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, REHANDLING OR FLOWING. PLACING SHALL BE DONE PROPERLY WITH BUGGIES, BUCKETS OR WHEEL-BORROWS.

- C.5 NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED BY THE ENGINEER.
- C.6 ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS BY KEEPING THE CONCRETE ELEMENT MOIST FOR AT LEAST 7 DAYS OR APPLYING LIQUID CURING COMPOUND.
- C.7 CONCRETE CYLINDERS SHALL BE FABRICATED PER EACH 40 CU.M. OR FRACTION THEREOF MIXED EACH DAY FOR EACH CLASS CONCRETE PLACED FOR EACH STRUCTURE.
- C.8 GROUT UNDER BASE PLATES SHALL BE APPROVED NON-SHRINK WITH STRENGTH AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED.

D. REINFORCING BARS

- D.1 REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM 615 AS FOLLOWS:
- | DIAMETER | GRADE |
|---------------|--------------------|
| 10mmØ & 12mmØ | GRADE 40 (276 MPa) |
| 16mmØ & ABOVE | GRADE 60 (414 MPa) |
- D.2 USE GAUGE #16 OR HEAVIER FOR TIE WIRE.
- D.3 NO BARS PARTIALLY EMBEDDED IN CONCRETE SHALL BE FIELD BENT, EXCEPT AS SHOWN ON PLANS OR PERMITTED BY THE ENGINEER.
- D.4 BARS SHALL NOT BE WELDED UNLESS AUTHORIZED BY THE ENGINEER.
- D.5 ALL REINFORCING BARS SHALL BE CLEANED THOROUGHLY OF ALL LOOSE RUST, SOIL OR OTHER MATERIAL PRIOR TO CONCRETE POURING.
- D.6 MAINTAIN MINIMUM CONCRETE COVER TO TRAVERSE BARS AS FOLLOWS:

ELEMENT	CONCRETE COVER
BELOW GRADE - FOUNDATIONS & WALLS	75mm
BELOW GRADE - COLUMNS, BEAMS, GIRDERS & PEDESTALS	75mm
ABOVE GRADE - COLUMNS, BEAMS, GIRDERS & PEDESTALS	50mm
ABOVE GRADE - SUSPENDED SLABS AND WALLS	20mm
SLAB ON GRADE	40mm

- D.7 ALL LAP SPLICES OF REBARS SHALL CONFORM TO CLASS B TENSION LAP SPLICE AS SHOWN ON THE LAP SPLICE SCHEDULE, UNLESS NOTED OTHERWISE.
- D.8 ALL HOOK ENDS SHOWN ON THE DRAWINGS SHALL BE STANDARD HOOKS. ALL STIRRUPS/TIES SHALL HAVE 135° SEISMIC HOOKS, UNLESS NOTED OTHERWISE. CROSS TIES SHALL HAVE STANDARD 90° HOOK ON ONE END AND 135° SEISMIC HOOK ON THE OTHER END.
- D.9 CONSECUTIVE CROSS TIES WITH 90° AND 135° HOOK ENDS SHALL BE ALTERNATED.

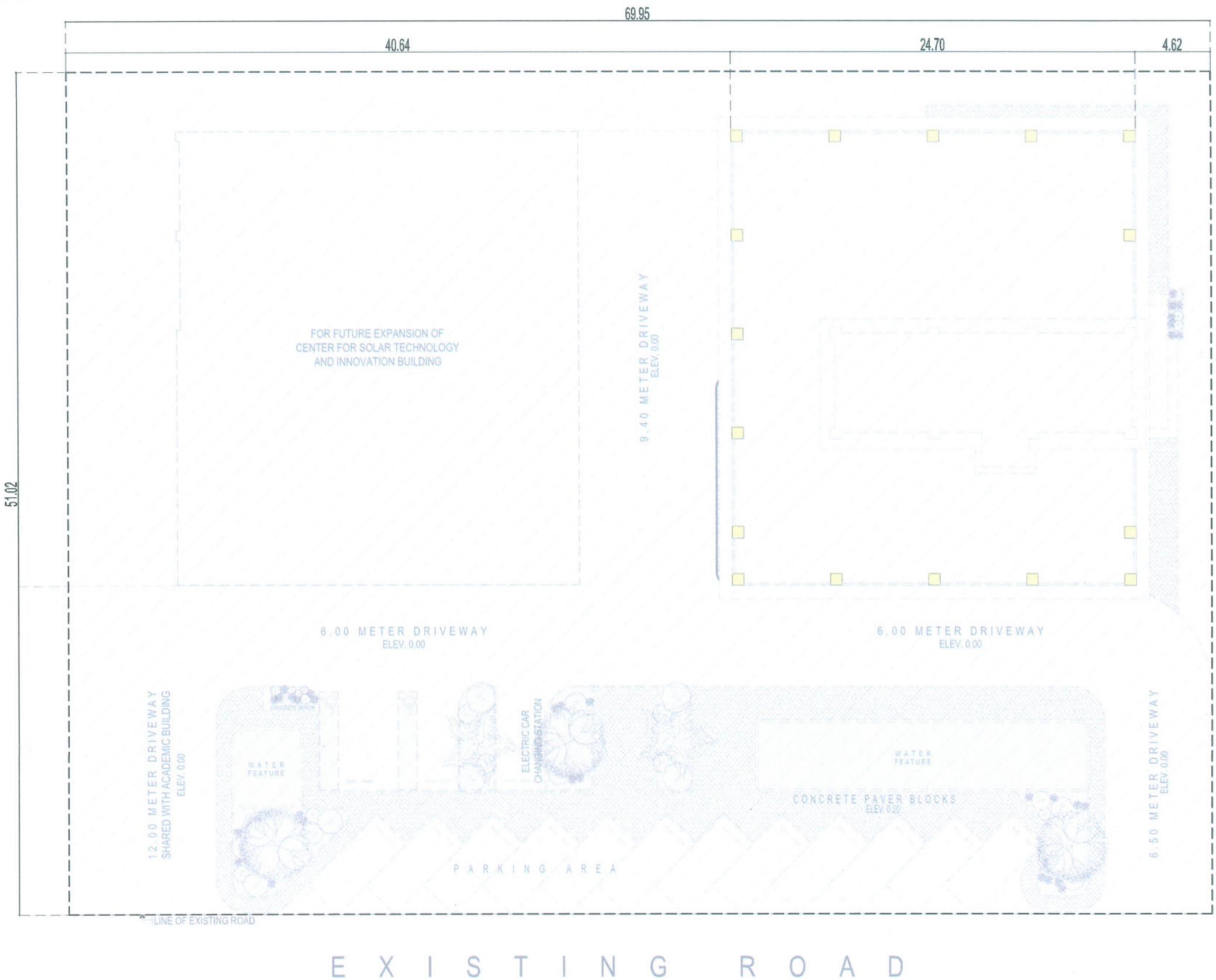
E. FORMS AND SHORES

- E.1 FORMS AND SHORES SHALL BE DESIGNED TO CARRY THE LOADS COMING ONTO OR AGAINST THEM WITHOUT EXCESSIVE DEFLECTION.
- E.2 STRIPPING OF FORMS AND SHORES SHALL BE AS FOLLOWS:
- | | |
|--|---------|
| FOUNDATION | 1 DAY |
| WALLS & COLUMNS | 2 DAYS |
| BEAMS | 14 DAYS |
| SUSPENDED SLABS EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED | 14 DAYS |

F. MASONRY

- F.1 ALL MASONRY UNITS SHALL BE APPROVED QUALITY, SOUND, FREE FROM CRACKS AND OTHER IMPERFECTIONS.
- F.2 NON-LOAD BEARING CONCRETE HOLLOW BLOCKS SHALL BE USED WITH A MINIMUM COMPRESSIVE STRENGTH OF 500 PSI.
- F.3 METHOD OF SAMPLING FOR QUALITY TEST SHALL BE ONE (1) QUALITY TEST FOR EVERY 10,000 UNITS OR FRACTION THEREOF, WITH THREE (3) SPECIMENS FOR COMPRESSION TEST.
- F.4 CHB WALLS SHALL BE REINFORCED AS FOLLOWS:
- | THICKNESS | HORIZONTAL REINFORCEMENT | VERTICAL REINFORCEMENT |
|-----------|--------------------------|------------------------|
| 100mm | 10mmØ @ 600mm O.C. | 10mmØ @ 600mm O.C. |
| 150mm | 10mmØ @ 400mm O.C. | 10mmØ @ 400mm O.C. |
- F.5 ALL MASONRY WORKS SHALL BE LAID TRUE TO LINE, LEVEL, PLUMB AND NEAT IN ACCORDANCE WITH THE PLANS. DAMAGED UNITS SHALL NOT BE USED. UNITS SHALL BE CUT ACCURATELY TO FIT ALL PLUMBING DUCTS, AND OPENING FOR ELECTRICAL WORKS; ALL HOLES SHALL BE NEATLY PATCHED.
- F.6 NO CONSTRUCTION SUPPORT SHALL BE ATTACHED TO THE CHB WALL EXCEPT WHERE SPECIFICALLY PERMITTED BY THE ENGINEER.
- F.7 UNITS SHALL BE PLACED WHILE THE MORTAR IS SOFT AND PLASTIC, AND SHALL BE USED WITHIN 2.5 HOURS OF INITIAL MIXING. MORTAR THAT HAS STIFFENED SHOULD NOT BE USED. ANY UNIT DISTURBED TO THE EXTENT THAT THE INITIAL BOND IS BROKEN AFTER INITIAL POSITIONING SHALL BE REMOVED AND RE-LAID IN FRESH MORTAR.
- F.8 MORTAR FOR CELLS OF CONCRETE HOLLOW BLOCKS SHALL CONSIST OF ONE (1) PART CEMENT TO THREE (3) PARTS SAND BY VOLUME WITH SUFFICIENT WATER. IT SHALL BE A WORKABLE CEMENT-SAND MIXTURE ATTAINING A 28th DAY COMPRESSIVE STRENGTH OF 1500 PSI.
- F.9 ALL CELLS OF CHB UNITS SHALL BE FULLY GROUTED.
- F.10 WHERE CHB WALLS ADJOIN COLUMNS, BEAMS, AND WALLS, DOWELS WITH THE SAME SIZE AS THE VERTICAL OR HORIZONTAL REINFORCEMENTS SHALL BE PROVIDED.
- F.11 MORTAR FOR PLASTERING SHALL BE PROPORTIONED ONE (1) PART CEMENT TO TWO (2) PARTS SAND WITH SUFFICIENT WATER.

 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.:
	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	AR. ALDEN S. ERASMO GRANTMANAGER, OFDM-PMU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEO P. PIAO DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY	ATTY. GHEROLD C. BENITEZ VP FOR ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	S-01
	PROJECT LOCATION:							DATE: 2025	PAGE NO.:
	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY								37/99



REFERENCE ELEVATION:

EXISTING ROAD = 0.00 M.
 DEEPEST GRADE LINE = 1.70 M.

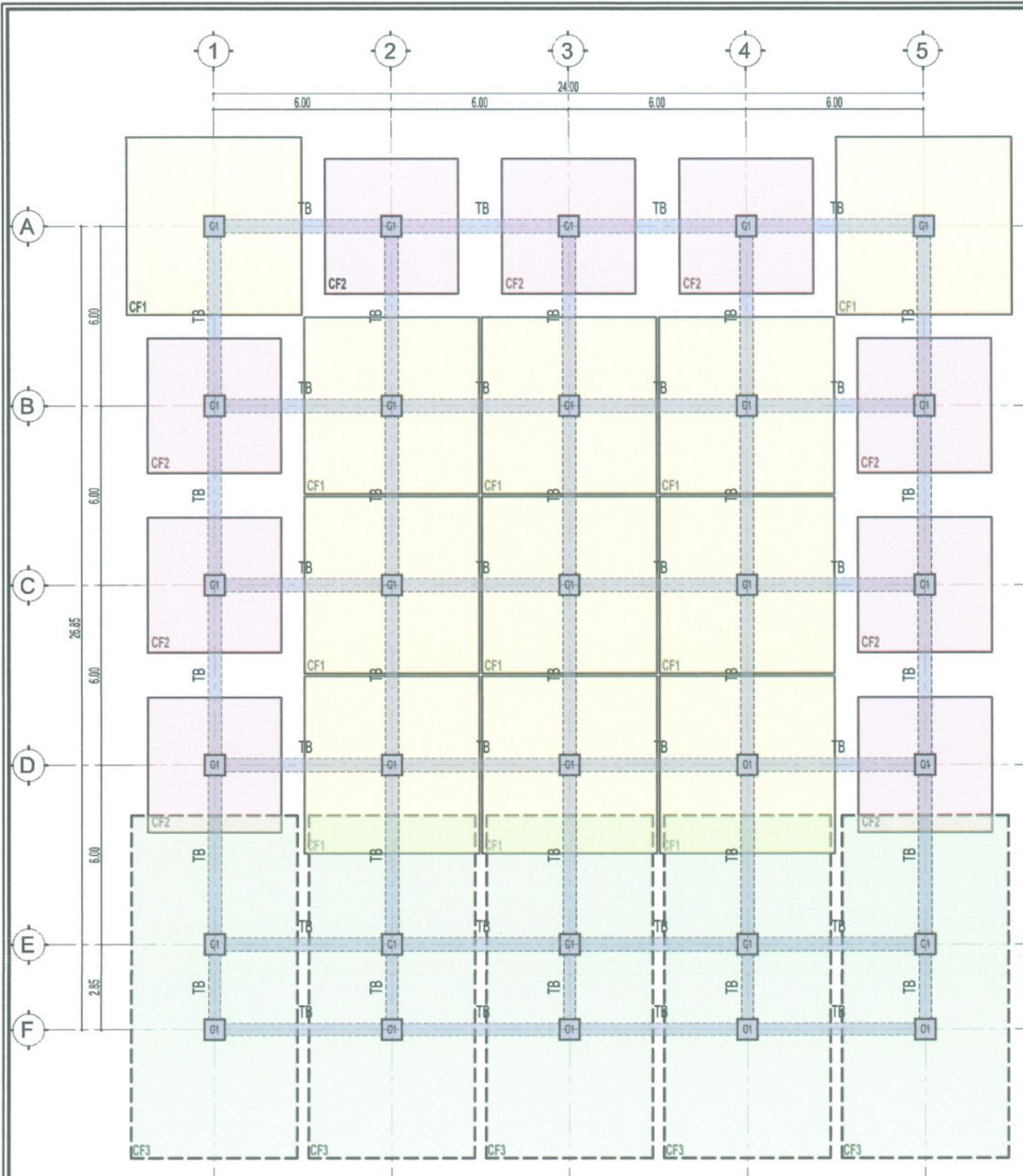
NOTE:

EACH LAYER SHALL BE COMPACTED TO MINIMUM OF 98% EXCEPT TO THE LAST 300MM UP TO THE FINISHED GRADE SHALL BE COMPACTED TO 100%

E X I S T I N G R O A D

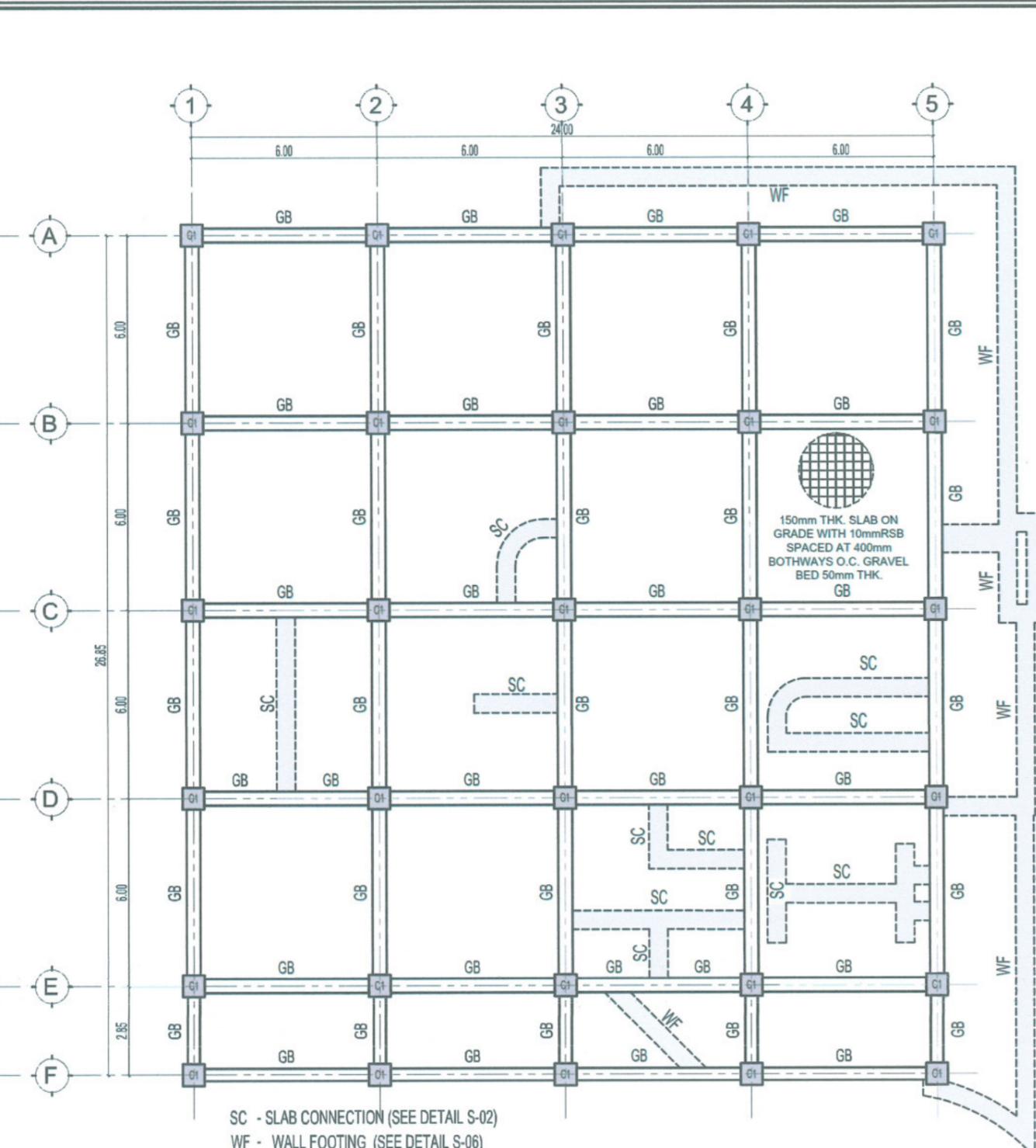


TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. ALOREN P. SANTIAGO <small>DR. CHERRY L. OFDM-PDU</small>	CHECKED BY: AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY: AR. ARLEN M. BUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: DR. LEO P. PIAO <small>DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY</small>	RECOMMENDING APPROVAL: ATTY. GHEROLD C. BENITEZ <small>VP FOR ADMINISTRATION</small>	APPROVED: DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO.: S-03 PAGE NO: 39/99
	PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	ENGR. ALEXANDER JOHN S. TABAQUERO <small>HEAD, OFDM-AMU</small>							



FOUNDATION FRAMING PLAN

SCALE 1:175 M



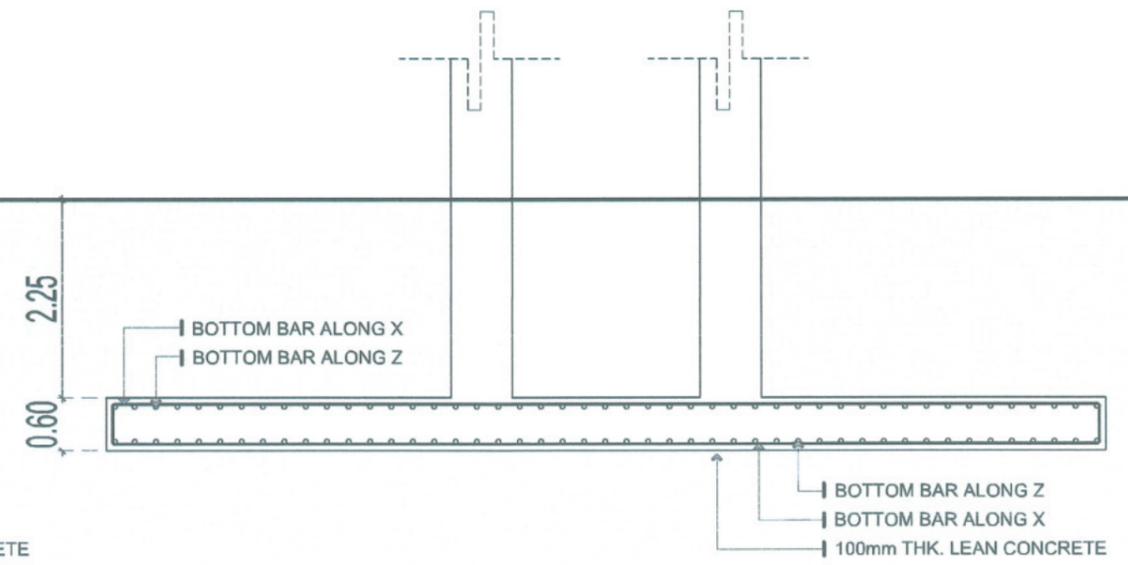
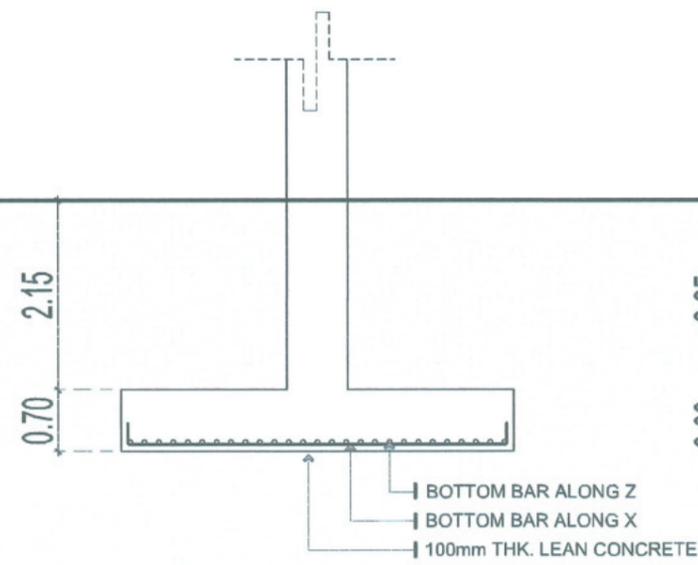
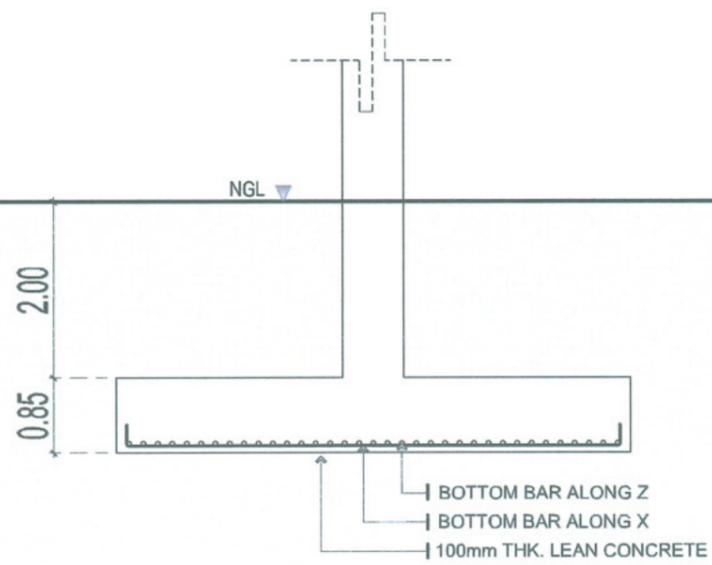
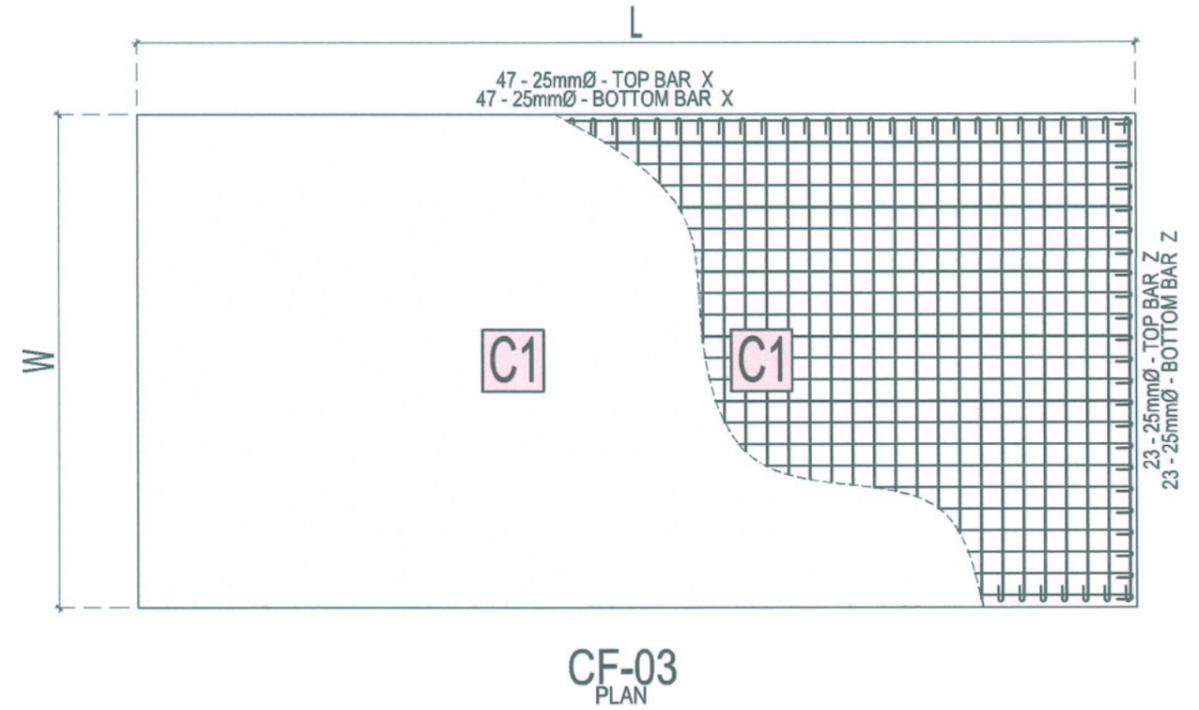
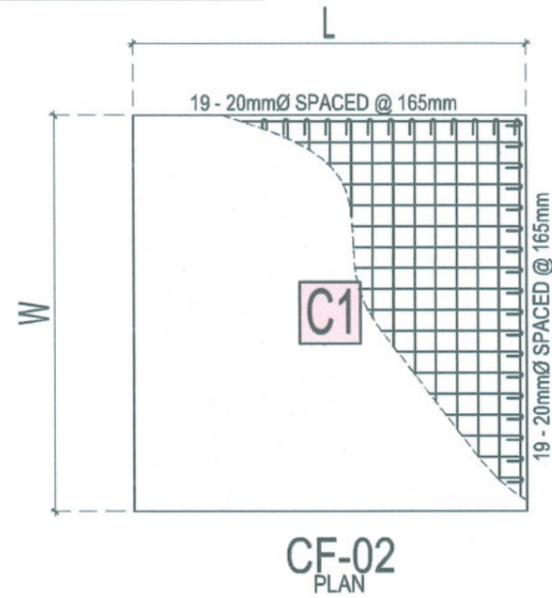
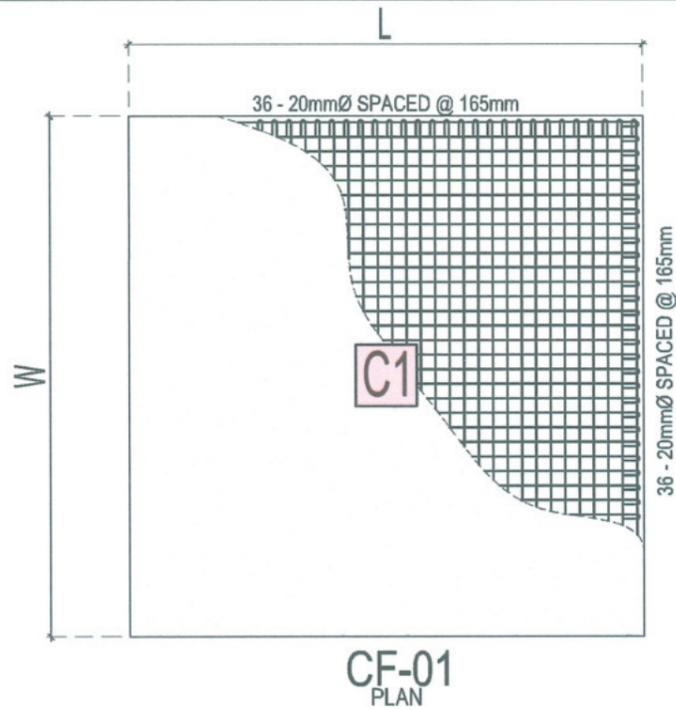
GROUND FLOOR FRAMING PLAN

SCALE 1:175 M

<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.:
	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	AR. ALDREY B. CORTAÑO DIRECTOR, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GUIEB DIRECTOR, OFDM	DR. LEO P. PIAO DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY	ATTY. GHERALD C. BENITEZ OFFICE OF ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	S-04
	PROJECT LOCATION:	ENGR. ALEXANDER JOHN S. TABAQUERO CIVIL ENGINEER, OFDM-PDU						DATE: 2025	PAGE NO: 40/99

SCHEDULE OF FOOTING

MARK	THICKNESS (t)	W	L	TOP		BOTTOM	
				BAR X	BAR Z	BAR X	BAR Z
CF-01	850	5900	5900	36 - 20mmØ SPACED @ 165mm	36 - 20mmØ SPACED @ 165mm		
CF-02	700	4500	4500	19 - 20mmØ SPACED @ 240mm	19 - 20mmØ SPACED @ 240mm		
CF-03	600	5600	11450	47 - 25mmØ SPACED @ 245mm	23 - 25mmØ SPACED @ 245mm	47 - 25mmØ SPACED @ 245mm	23 - 25mmØ SPACED @ 245mm



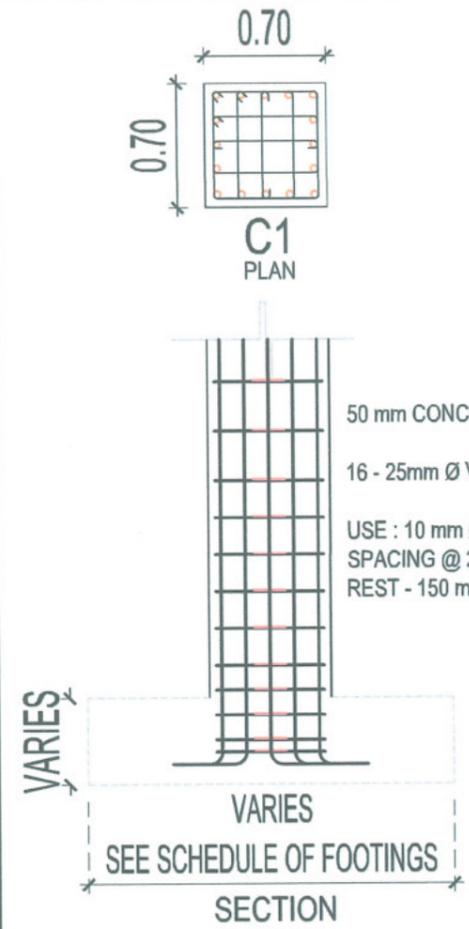
FOOTING SECTION DETAIL

SCALE 1:80 M

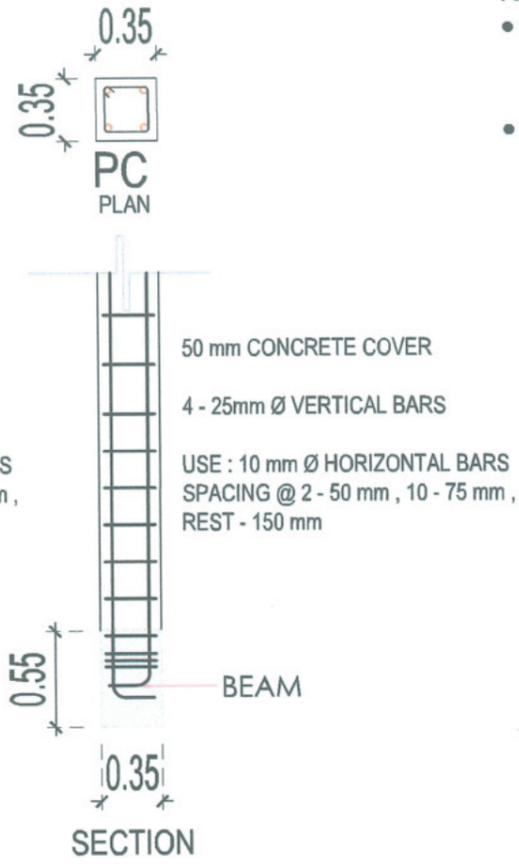


TARLAC STATE UNIVERSITY
Facilities Development and Management Office
Romulo Boulevard, Tarlac City, Philippines 2300

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. ALBERT S. MANTANIO DRAFTSMAN I, RFA-PDU	CHECKED BY: <i>[Signature]</i> ENGR. ALEXANDER JOHN S. TABAQUERO CIVIL ENGINEER, OFDM-MBU	CERTIFIED BY: <i>[Signature]</i> AR. ARLEN M. GUIEB DIRECTOR, OFDM	REQUESTING OFFICE: <i>[Signature]</i> DR. LEO P. PIAO DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY	RECOMMENDING APPROVAL: <i>[Signature]</i> ATTY. GHEROLD C. BENITEZ VP FOR ADMINISTRATION	APPROVED: <i>[Signature]</i> DR. ARNOLD E. VELASCO PRESIDENT	SHEET CONTENTS: AS SHOWN DATE: 2025	SHEET NO: S-05 PAGE NO: 41/99
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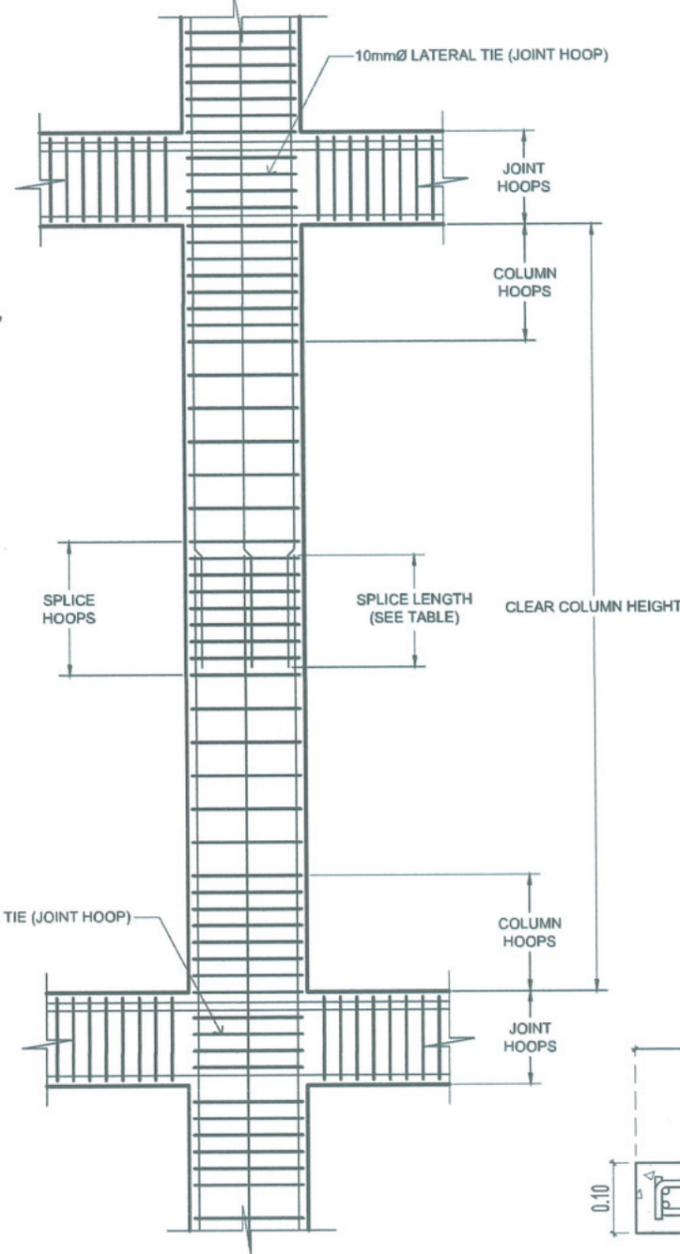


COLUMN SECTION DETAIL
SCALE 1:40 M

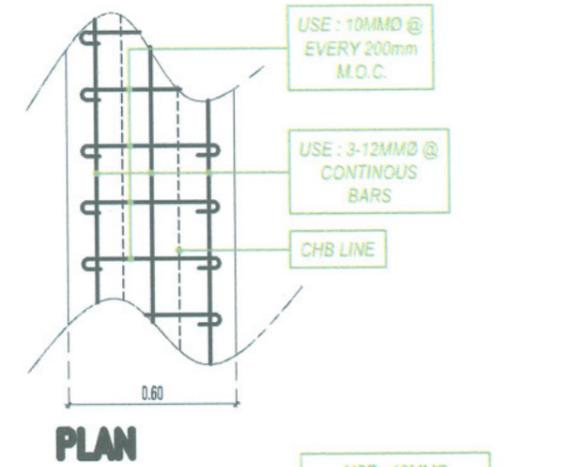


NOTE:

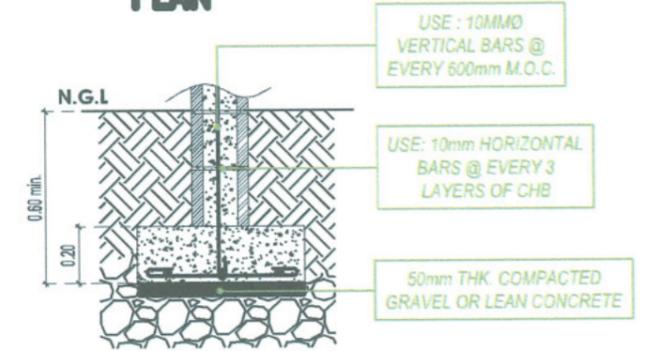
- 100MM SPACING OF SPLICE HOOPS (LATERAL TIES) @ SPLICE LENGTH
- 75MM SPACING OF PERIMETER TIE (JOINT HOOP)



TYPICAL DETAIL OF COLUMN
SCALE 1:40 M

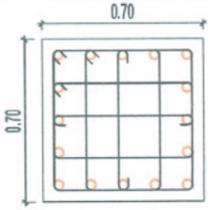
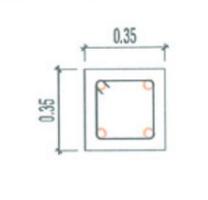


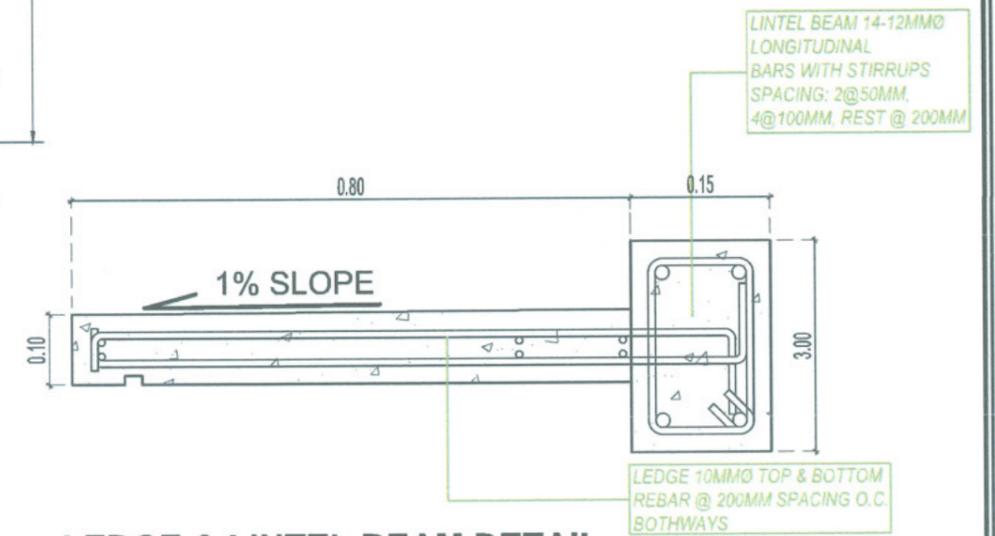
PLAN



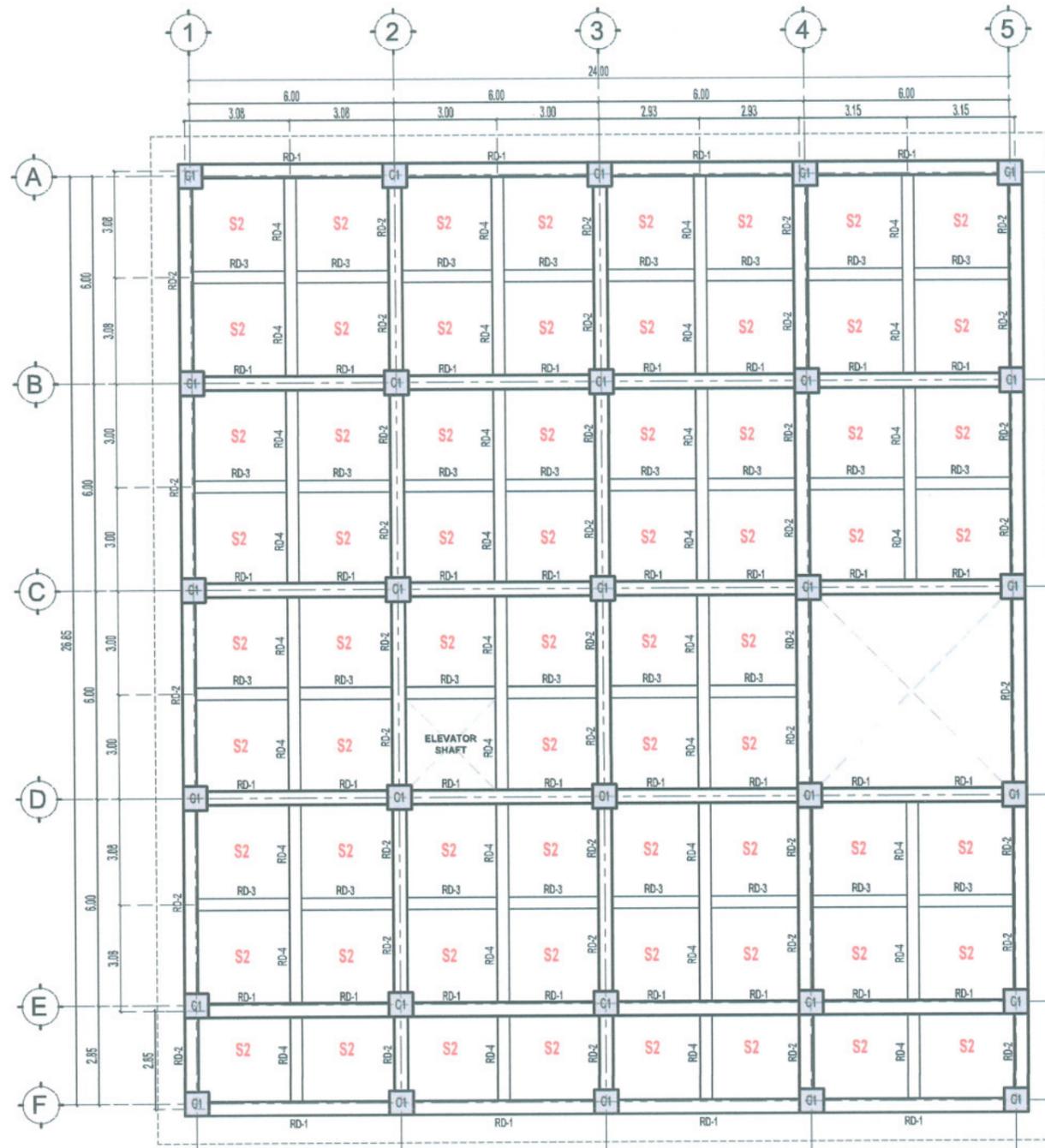
WALL FOOTING DETAILS
SCALE 1:25 MTS.

SCHEDULE OF COLUMNS

	MARK	(COLUMN 01)	
	FOUNDATION TO ROOF DECK	C1	
ROOF DECK TO ROOF BEAM	C2	VERT. BARS 4- 25 mm dia. TIES: 2 @ 50mm, 10 @ 100mm, REST @150 mm SPLICING 100mm USE:10mmØ DSB	

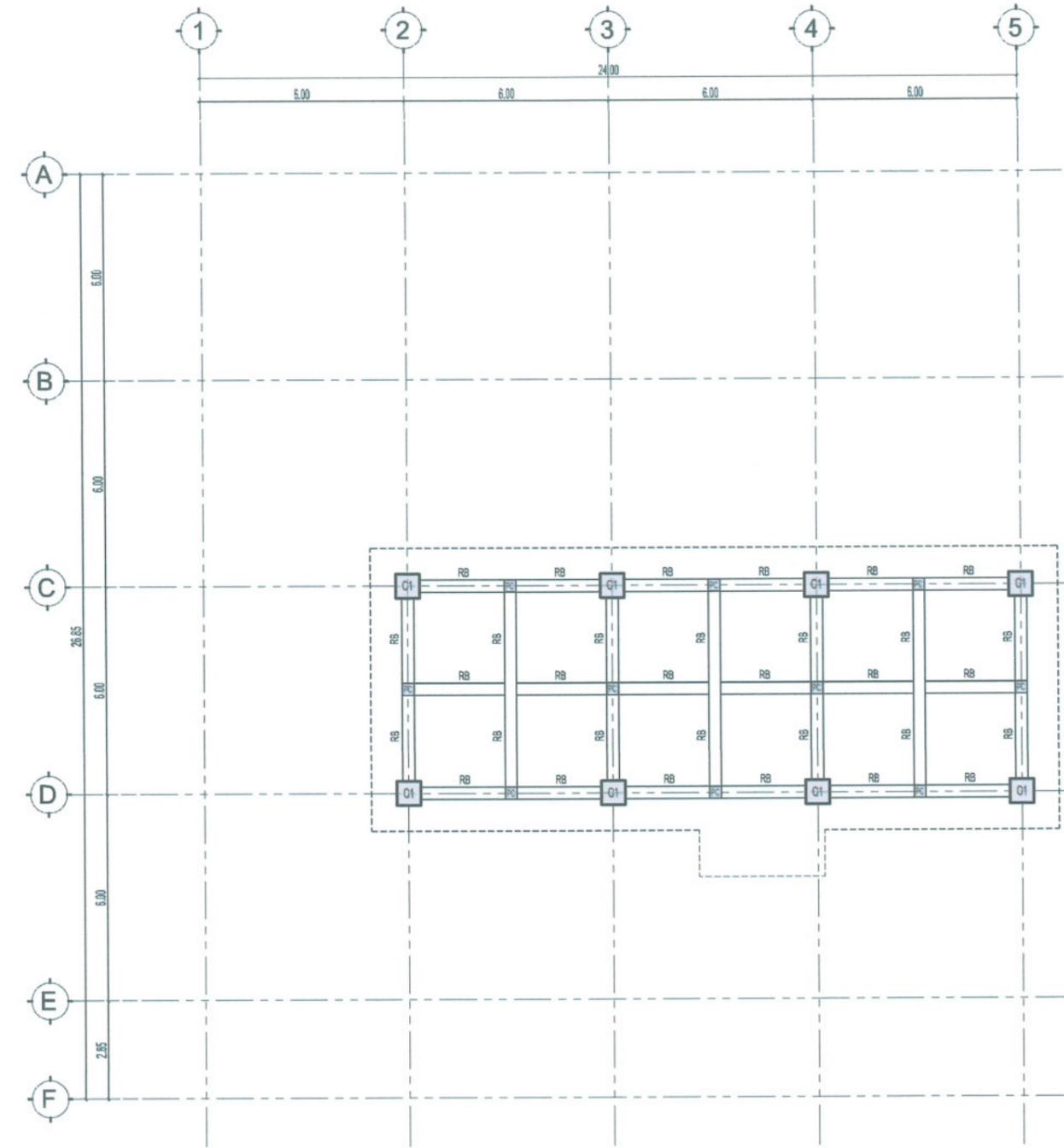


LEDGE & LINTEL BEAM DETAIL
SCALE : 1:10



ROOF DECK FLOOR FRAMING PLAN

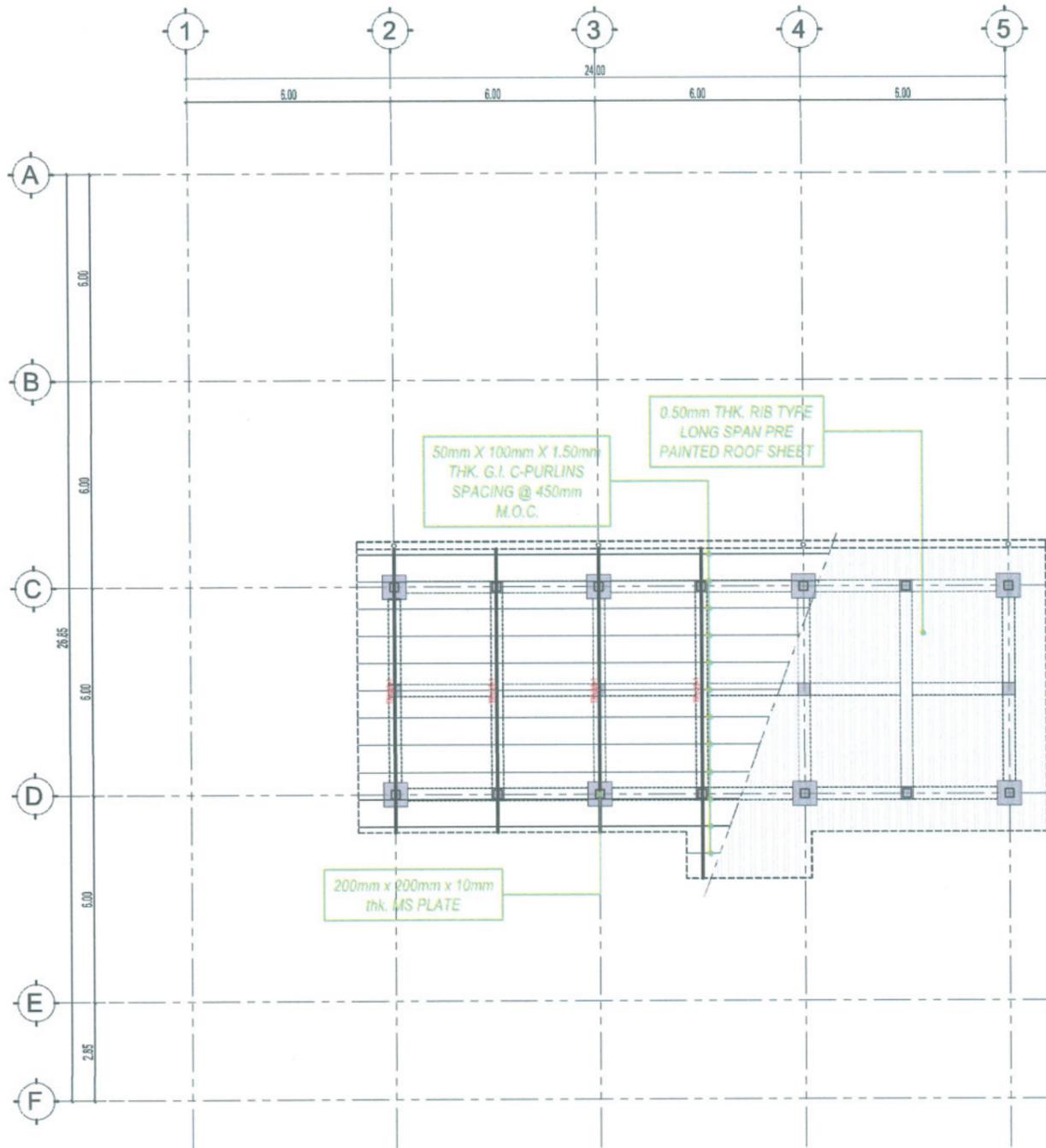
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ROOF BEAM FRAMING PLAN

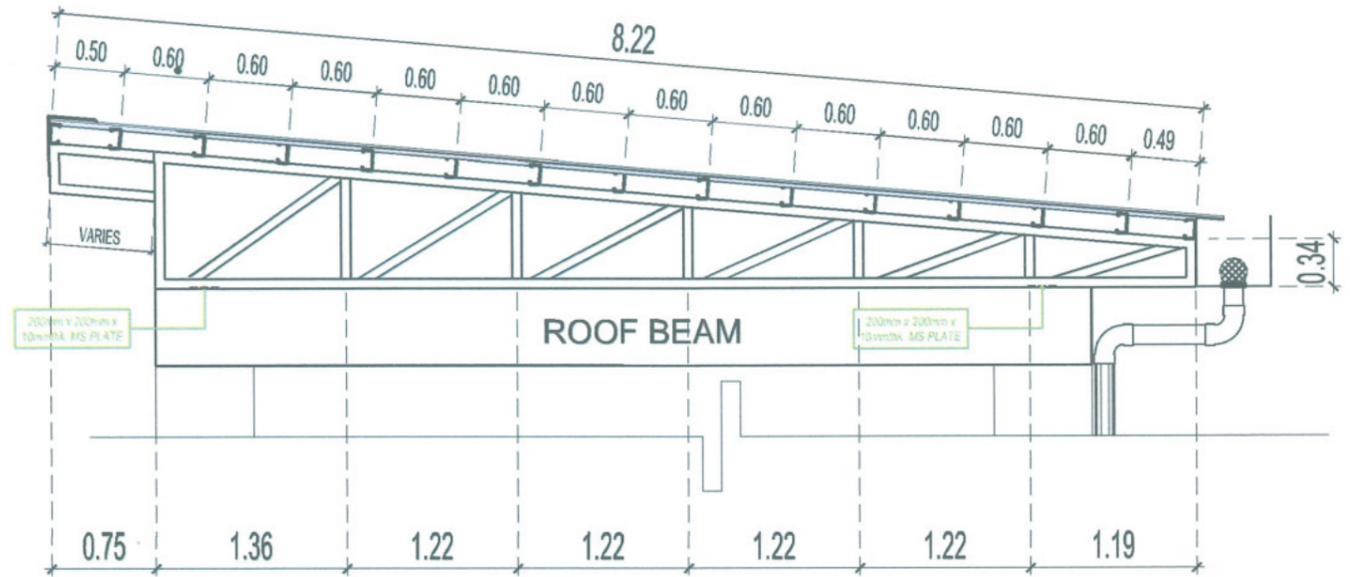
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 TARLAC STATE UNIVERSITY Facilities Development and Management Office Romulo Boulevard, Tarlac City, Philippines 2300	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	CERTIFIED BY:	REQUESTING OFFICE:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	AR. ALBERTO S. EMPTANIO OFFICER IN CHARGE, OFDM-PDU	AR. CHERRY L. FABIANES HEAD, OFDM-PDU	AR. ARLEN M. GRIEB DIRECTOR, OFDM	DR. LEO P. PIAO DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY	ATTY. GHEROLD C. BENITEZ VICE-CHIEF OF ADMINISTRATION	DR. ARNOLD E. VELASCO PRESIDENT	AS SHOWN	S-08
	PROJECT LOCATION:	ENGR. ALEXANDER JOHN S. TABAQUERO CIVIL ENGINEER, OFDM-MU							PAGE NO.:
	SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY							DATE: 2025	44/99



ROOF FRAMING PLAN

SCALE 1:175 M



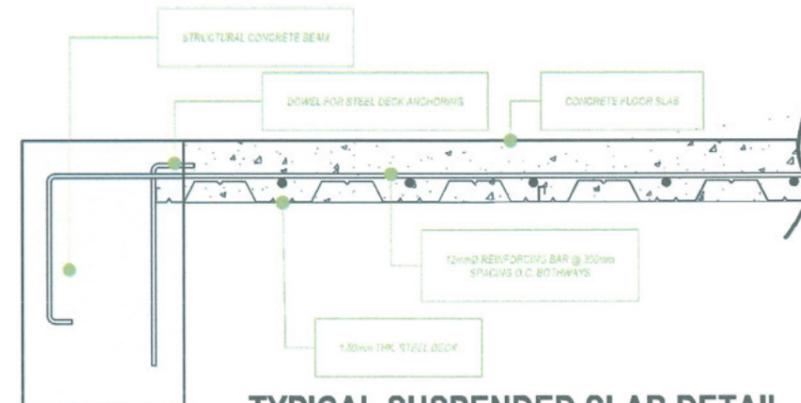
FOR TOP & BOTTOM CHORD: USE 2- 2" x 2" x 6 mm ANGLE BAR.
 FOR WEB MEMBERS: USE 2- 1/2" x 1- 1/2" X 4.5 mm ANGLE BAR.

TRUSS-1 DETAIL

SCALE 1:50 M

SCHEDULE OF SUSPENDED SLAB

MARK	THICKNESS	REINFORCEMENT	REINFORCEMENT	
			TOP BAR	BOTTOM BAR
SOG	150mm	ALONG LONG SIDE		12mm @ 400mm
		ALONG SHORT SIDE		12mm @ 400mm
S1	125mm	ALONG LONG SIDE	12mm @ 150mm	
		ALONG SHORT SIDE	12mm @ 150mm	



TYPICAL SUSPENDED SLAB DETAIL

SCALE: NTS



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 PROJECT LOCATION:
 SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY

PREPARED BY:
 AR. ALBERTO B. BATAFANIO
 ENGR. ALEXANDER JOHN S. TABAQUERO

CHECKED BY:
 AR. CHERRY L. FABIANES

CERTIFIED BY:
 AR. ARLEN M. GUIEB

REQUESTING OFFICE:
 DR. LEO P. PIAO

RECOMMENDING APPROVAL:
 ATTY. GHEROLD V. BENITEZ

APPROVED:
 DR. ARNOLD E. VELASCO

SHEET CONTENTS:
 AS SHOWN
 DATE: 2025

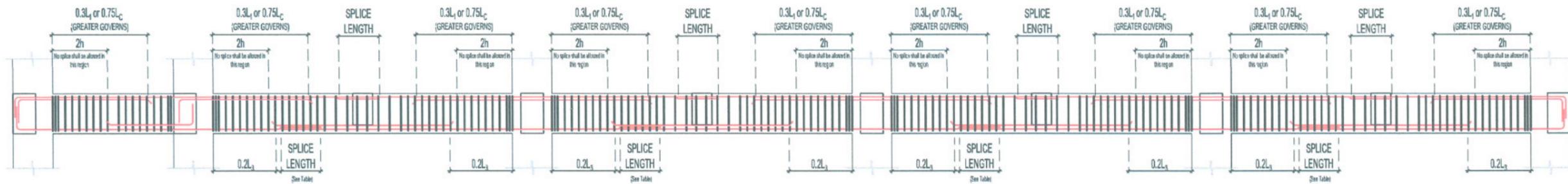
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SCHEDULE OF GRADE BEAM											
MARK	CONT. BARS	LEFT		MID SPAN		RIGHT		STIRRUPS			REMARKS
		SECTION	REINF	SECTION	REINF	SECTION	REINF	DIA	NO.	SPACING	
GB	4-20mm		4-20mm		4-20mm		4-20mm	10mm	2	50	
			4-20mm		4-20mm		4-20mm	10	100		
								REST	150		
								SPLICE	100		
			450x700		450x700						

SCHEDULE OF GRADE BEAM											
MARK	CONT. BARS	LEFT		MID SPAN		RIGHT		STIRRUPS			REMARKS
		SECTION	REINF	SECTION	REINF	SECTION	REINF	DIA	NO.	SPACING	
TB	4-20mm		4-20mm		4-20mm		4-20mm	10mm	2	50	
			4-20mm		4-20mm		4-20mm	10	100		
								REST	150		
								SPLICE	100		
			450x450		450x450						

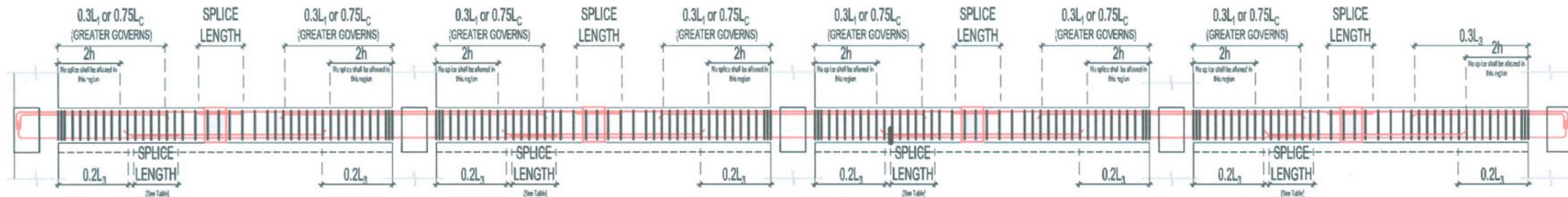
SCHEDULE OF 2ND FLOOR BEAM LAYOUT											
MARK	CONT. BARS	LEFT		MID SPAN		RIGHT		STIRRUPS			REMARKS
		SECTION	REINF	SECTION	REINF	SECTION	REINF	DIA	NO.	SPACING	
2B-1	8-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-25mm		4-25mm		4-25mm	10	100		
								REST	200		
								SPLICE	100		
			400x700		400x700						
2B-2	8-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-20mm		4-20mm		4-20mm	10	100		
								REST	150		
								SPLICE	100		
			400x700		400x700						
2B-3	8-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-16mm		4-16mm		4-16mm	10	100		
								REST	150		
								SPLICE	100		
			350x550		350x550						
2B-4	8-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-16mm		4-16mm		4-16mm	10	100		
								REST	150		
								SPLICE	100		
			350x550		350x550						

SCHEDULE OF 3RD FLOOR BEAM LAYOUT											
MARK	CONT. BARS	LEFT		MID SPAN		RIGHT		STIRRUPS			REMARKS
		SECTION	REINF	SECTION	REINF	SECTION	REINF	DIA	NO.	SPACING	
3B-1	8-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-25mm		4-25mm		4-25mm	10	100		
								REST	150		
								SPLICE	100		
			400x700		400x700						
3B-2	4-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-20mm		4-20mm		4-20mm	10	100		
								REST	150		
								SPLICE	100		
			400x700		400x700						
3B-3	4-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-16mm		4-16mm		4-16mm	10	100		
								REST	150		
								SPLICE	100		
			350x550		350x550						
3B-4	4-25mm		4-25mm		4-25mm		4-25mm	10mm	2	50	
			4-16mm		4-16mm		4-16mm	10	100		
								REST	150		
								SPLICE	100		
			350x550		350x550						



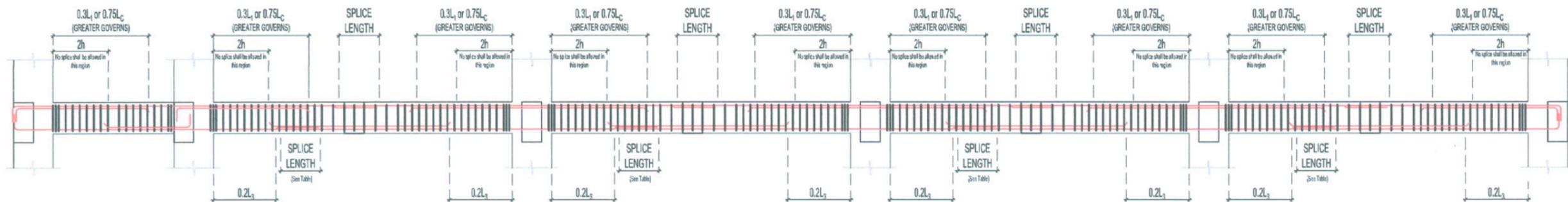
TYPICAL DETAIL OF BEAM ALONG Y

NOT TO SCALE



TYPICAL DETAIL OF INTERMEDIATE BEAM ALONG X

NOT TO SCALE



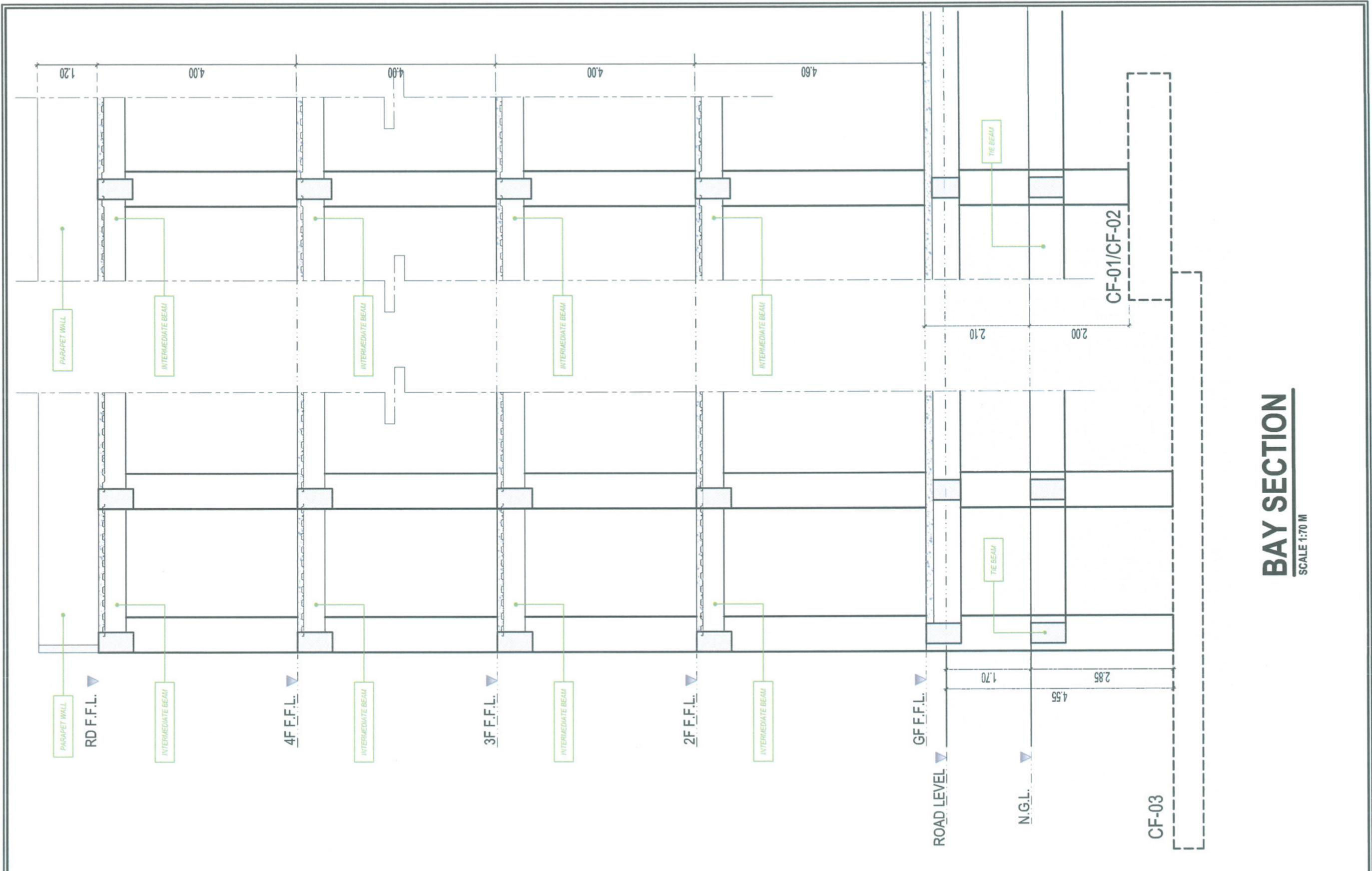
TYPICAL DETAIL OF INTERMEDIATE BEAM ALONG Y

NOT TO SCALE



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

PROJECT TITLE: CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	PREPARED BY: AR. ALDWIN S. ESPANANIO <small>PROF. IN CIVIL ENGINEERING, OFDM-PSU</small>	CHECKED BY: <i>[Signature]</i> AR. CHERRY L. FABIANES <small>HEAD, OFDM-PDU</small>	CERTIFIED BY: <i>[Signature]</i> AR. ARLEN M. GUIEB <small>DIRECTOR, OFDM</small>	REQUESTING OFFICE: <i>[Signature]</i> DR. LEO P. PIAO <small>DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY</small>	RECOMMENDING APPROVAL: <i>[Signature]</i> ATTY. GHERMO C. BENITEZ <small>FOR ADMINISTRATION</small>	APPROVED: <i>[Signature]</i> DR. ARNOLD E. VELASCO <small>PRESIDENT</small>	SHEET CONTENTS: AS SHOWN	SHEET NO.: S-12
PROJECT LOCATION: SAN ISIDRO EXTENSION CAMPUS, TARLAC STATE UNIVERSITY	ENGR. ALEXANDER JOHN S. TABAQUERO <small>CIVIL ENGINEER, OFDM-PSU</small>						DATE: 2025	PAGE NO.: 48/99



BAY SECTION

SCALE 1:70 M

 <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.:
	CONSTRUCTION OF CENTER FOR SOLAR TECHNOLOGY AND INNOVATION BUILDING (PHASE 1)	AR. ALBERTO M. MORALES	AR. CHERRY L. FABIANES	AR. ARLEN W. GUIEB	DR. LEO P. PIAO	ATTY. GHERON C. BENITEZ	DR. ARNOLD E. VELASCO	AS SHOWN	S-13
	PROJECT LOCATION:	ENGR. ALEXANDER JOHN S. TABAQUERO	HEAD, OFDM-PDU	DIRECTOR, OFDM	DIRECTOR, CENTER FOR SOLAR AND EMERGING TECHNOLOGY	VP FOR ADMINISTRATION	PRESIDENT	DATE: 2025	PAGE NO. 49/99

