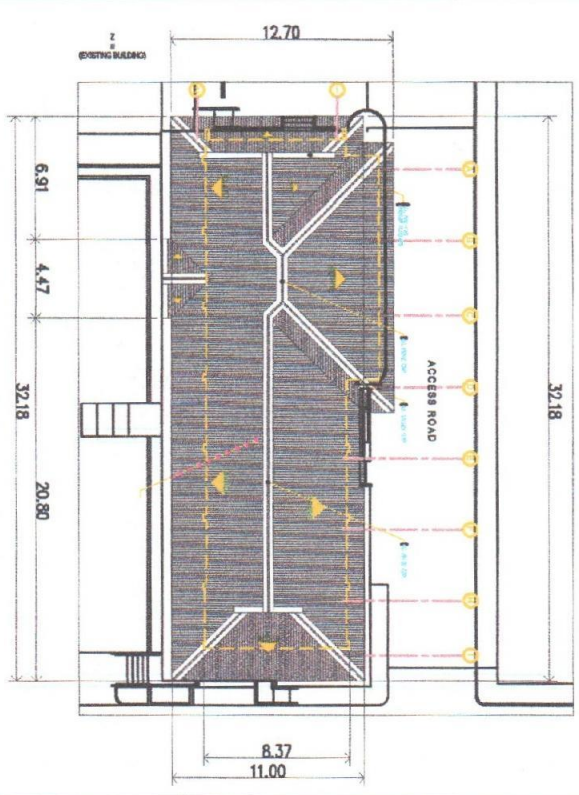
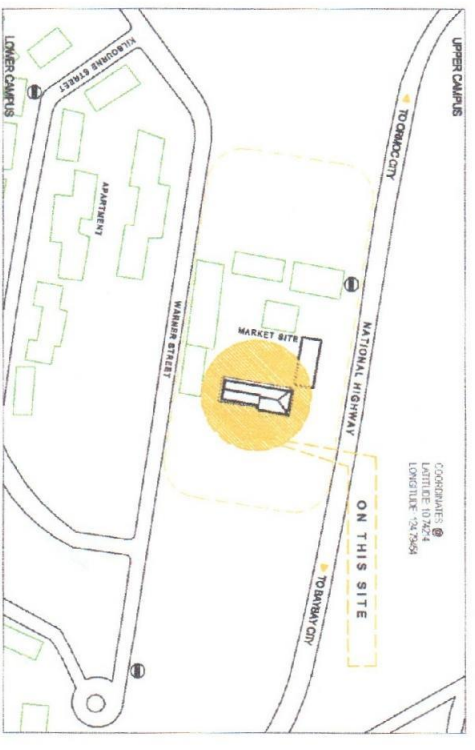


PERSPECTIVE

TABLE OF CONTENTS	
<b>ARCHITECTURAL</b>	
A-1	FOUNDATION PLAN
A-2	GROUND FLOOR PLAN
A-3	FIRST FLOOR PLAN
A-4	RIGHT SIDE ELEVATION
A-5	LEFT SIDE ELEVATION
A-6	REAR ELEVATION
A-7	SECTION ELEVATION
A-8	SECTION ELEVATION
A-9	SECTION ELEVATION
A-10	SECTION ELEVATION
A-11	SECTION ELEVATION
A-12	SECTION ELEVATION
A-13	SECTION ELEVATION
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A-100	SECTION ELEVATION



SITE DEVELOPMENT PLAN

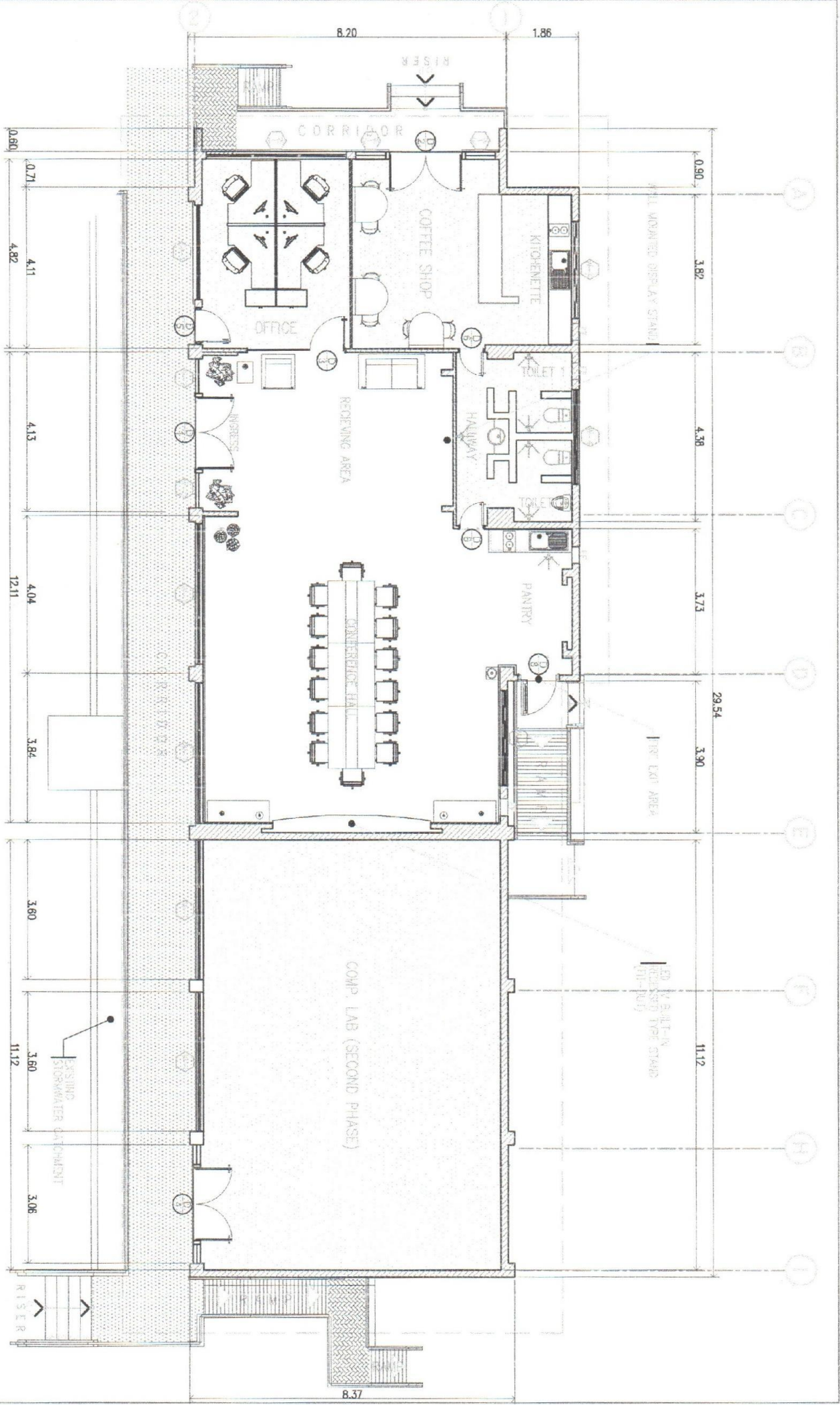


LOCATION MAP

	Project No.: 000-000-000 Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Drawn by: <i>[Signature]</i> Project Title: PROPOSED RENEWAL OF COOPERATIVE BLDG. (PHASE 4b) Scale: ASB1	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE
	Project No.: 000-000-000 Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Drawn by: <i>[Signature]</i> Project Title: PROPOSED RENEWAL OF COOPERATIVE BLDG. (PHASE 4b) Scale: ASB1	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE
Project No.: 000-000-000 Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Drawn by: <i>[Signature]</i> Project Title: PROPOSED RENEWAL OF COOPERATIVE BLDG. (PHASE 4b) Scale: ASB1	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE
Project No.: 000-000-000 Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Drawn by: <i>[Signature]</i> Project Title: PROPOSED RENEWAL OF COOPERATIVE BLDG. (PHASE 4b) Scale: ASB1	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE
Project No.: 000-000-000 Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Drawn by: <i>[Signature]</i> Project Title: PROPOSED RENEWAL OF COOPERATIVE BLDG. (PHASE 4b) Scale: ASB1	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE
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Project No.: 000-000-000 Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Drawn by: <i>[Signature]</i> Project Title: PROPOSED RENEWAL OF COOPERATIVE BLDG. (PHASE 4b) Scale: ASB1	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE	Checked by: <i>[Signature]</i> Date: 20 JANUARY 2000 By: MR. JAMES LEYTE



VERIFY:  
ACTUAL EXISTING  
FLOOR AREAS



**FLOOR PLAN**  
SCALE: 1/80

Title: 89-45-375 Proj. No: 101530 PTR: 388726 Date: 20 JANUARY 2020 Pluse: JAMES LEITE	Design by:  <b>ELVIN A. CABANERO</b> ARCHITECT I	Project Title: "PROPOSED" (PHASE 2) <b>RENOVATION OF COOPERATIVE BLDG.</b>	Checked by:  <b>DR. DANIEL LESLIE S. TAN</b> DIRECTOR, COPRA	Checked by:  <b>ENGR. MARIO VILJO F. VALENZONA</b> DEPT. CHIEF, COPRA	Valid by:  <b>DR. REMBERTO A. PATINDOL</b> UP'S ADMINISTRATIVE OFFICER	Approved by:  <b>DR. EDGARDO E. TULIN</b> UP'S PRESIDENT	SHEET CONTENTS: FLOOR PLAN	Designed by: ELVIN Date Started: Aug 20 Date Finished: Dec 20	A2 11 SHEET NO. 02 21
--	---	---	---	--	---	---	-------------------------------	---	-----------------------------



TIN: 80453325  
 REC: 001030  
 PTR: 369750  
 Date: 20 JANUARY 2020  
 P.L.S.S.: JAMES LITTLE

Design by:  
**ELVINA CABANERO**  
 ARCHITECT II

Project Title:  
 "PROPOSED"  
 (PHASE 01)  
**RENOVATION OF COOPERATIVE BLDG.**  
 LOCATION: Ibarra Stn, Main VSU Campus, Bantay Ck, Layer 0201

Checked by:  
**DR. DANIEL LESLIE S. TAN**  
 DIRECTOR, DORPAC

Checked by:  
**ENGR. MARIO LINO P. VALENZONA**  
 DIRECTOR, CSO

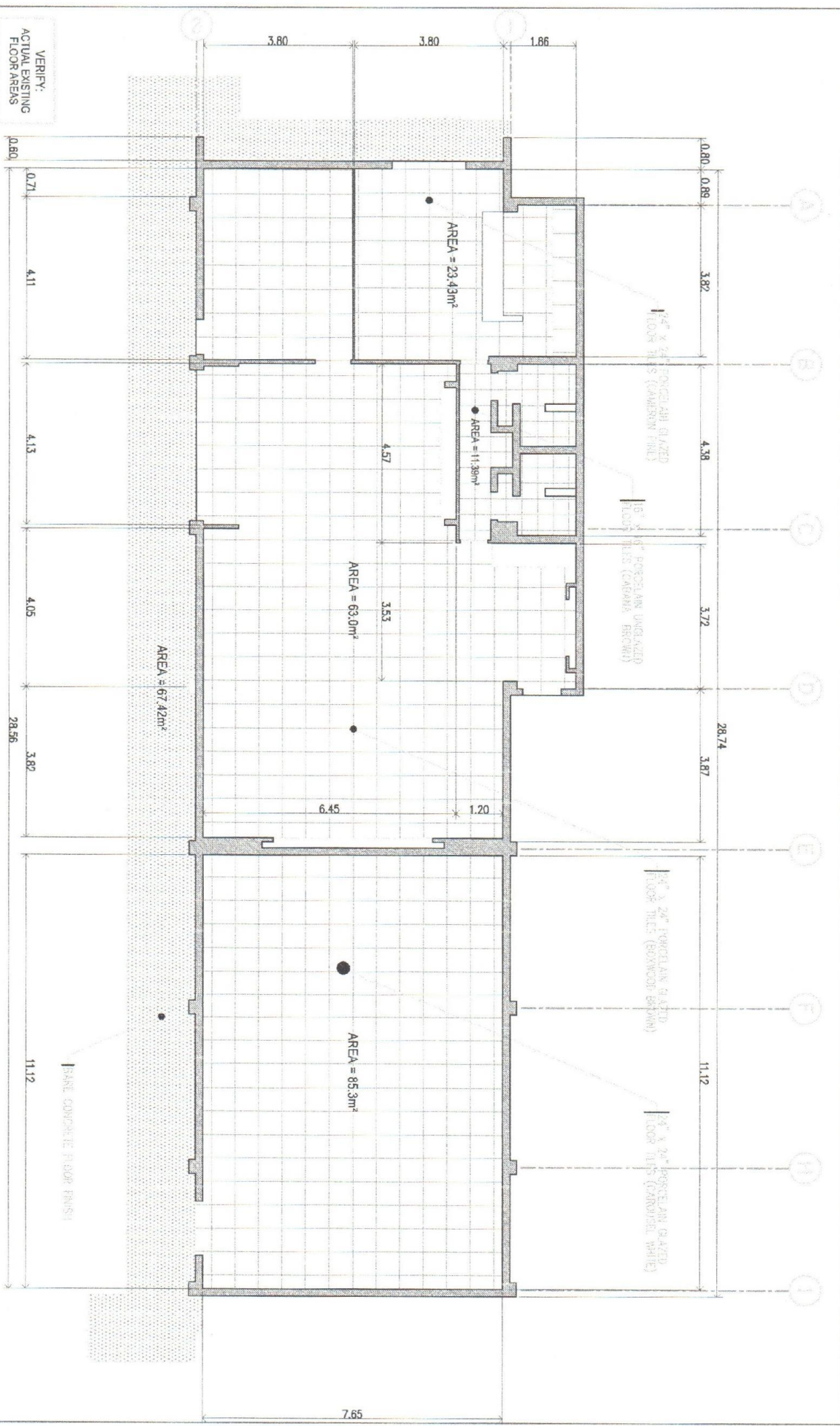
Noted by:  
**DR. RIVERTE DA PATINDOL**  
 VP-FINANCE, STRIVE & FINANCE

Approved by:  
**DR. EDGARDO E. TULIN**  
 VICE-RECTOR

SHEET CONTENTS:  
 CROSS SECTION - 1  
 CROSS SECTION - 2  
 CROSS SECTION - 3  
 CROSS SECTION - 4

Designed by: ELVINA  
 Date: 19 Aug 20  
 Date Printed: Oct 20  
 REVISION #: 1-01-20

A3 11  
 SHEET NO.  
 03 21



VERIFY:  
 ACTUAL EXISTING  
 FLOOR AREAS

**PATTERN LAYOUT**  
 SHEET 11

7.65



VERIFY:  
ACTUAL EXISTING  
CEILING AREAS

TIN: 934453275  
PRC: 301830  
PTR: 308730  
Date: 20 January 2020  
PLSS: JAVIER LEVE

Design By:  
**ELVIN A. CABANERO**  
ARCHITECT II

Project:  
"PROPOSED"  
(PHASE 2)  
**RENOVATION OF COOPERATIVE BLDG.**

Checked By:  
**DR. DANIEL LESLIE S. TAN**  
DIRECTOR, COPRA

Checked By:  
**ENGR. MARIO LINO P. PALENZONA**  
PRC PRCSO

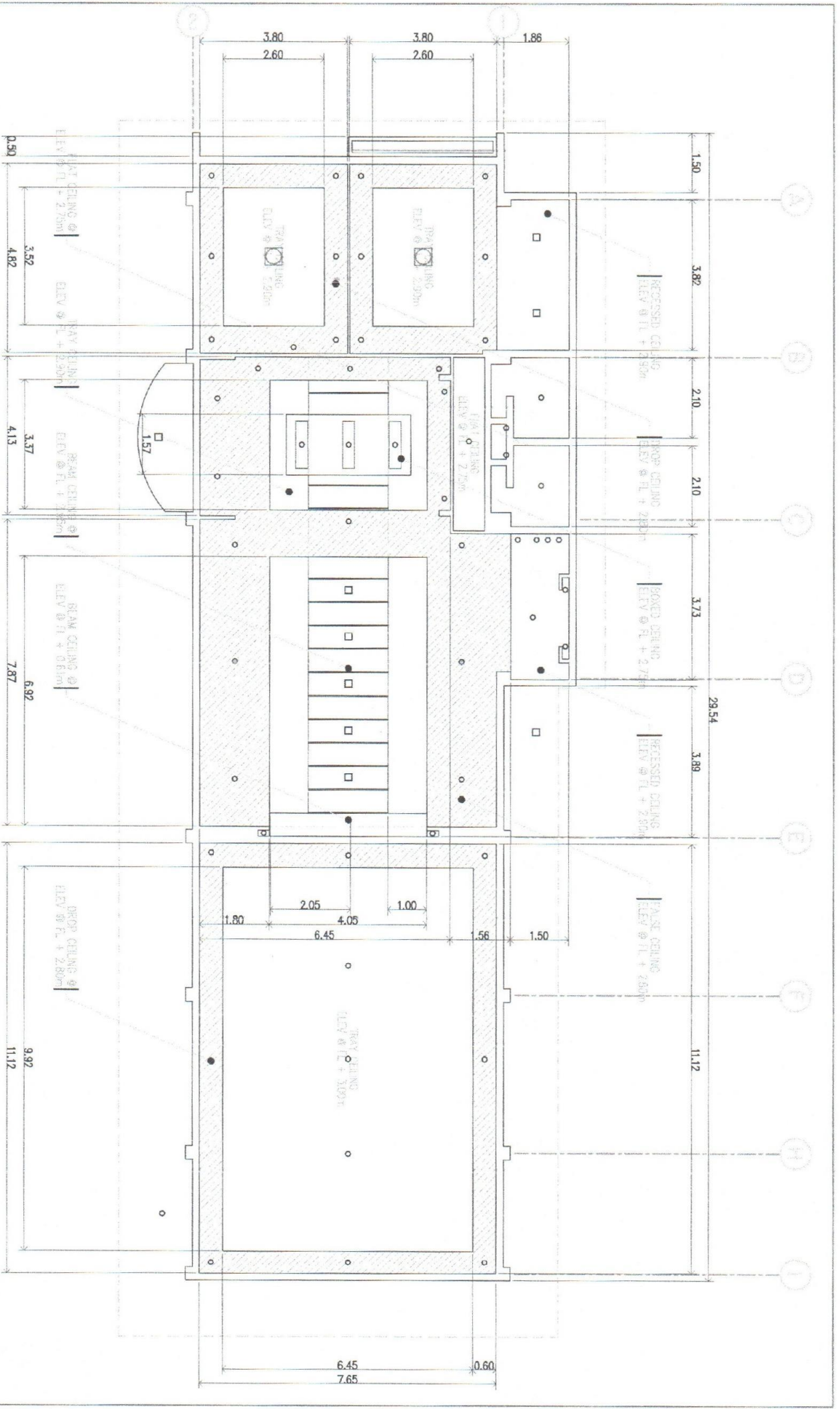
Head By:  
**DR. REMBERTO A. PATINDOL**  
VP-FACILITIES & FWAVE

Approved By:  
**DR. EDGARDO E. TILJAN**  
VSL/REPRESENT

SHEET CONTENTS:  
GROSS SECTION - 1  
GROSS SECTION - 2  
GROSS SECTION - 3  
GROSS SECTION - 4

Designed By: ELVIN  
Date Sheet: Aug. 20  
Date Printed: Oct. 20

AA 11  
SHEET NO.  
04 21



**REFLECTED CEILING PLAN**  
SCALE



VERIFY:  
ACTUAL EXISTING  
ROOFING DIMENSION

TITLE SHEET  
PROJECT NUMBER  
PTR: 200879  
DATE: 20 JANUARY 2020  
PL 883 - JANUARY LEFT

DESIGNED BY:  
*[Signature]*  
ELVIN A. CABANERO  
ARCHITECT II

PROJECT TITLE:  
"PROPOSED"  
(PHASE 01)  
RENOVATION OF COOPERATIVE BLDG.

CHECKED BY:  
*[Signature]*  
DR. DANIEL LESLIE S. TAN  
DIRECTOR/COMPAN

CHECKED BY:  
*[Signature]*  
ENGR. MARCO LINO P. VALENZONA  
DIRECTOR/EN

NOTED BY:  
*[Signature]*  
DR. REMBERTO A. PATINDOL  
VP OF ADMINISTRATION/ENGINEER

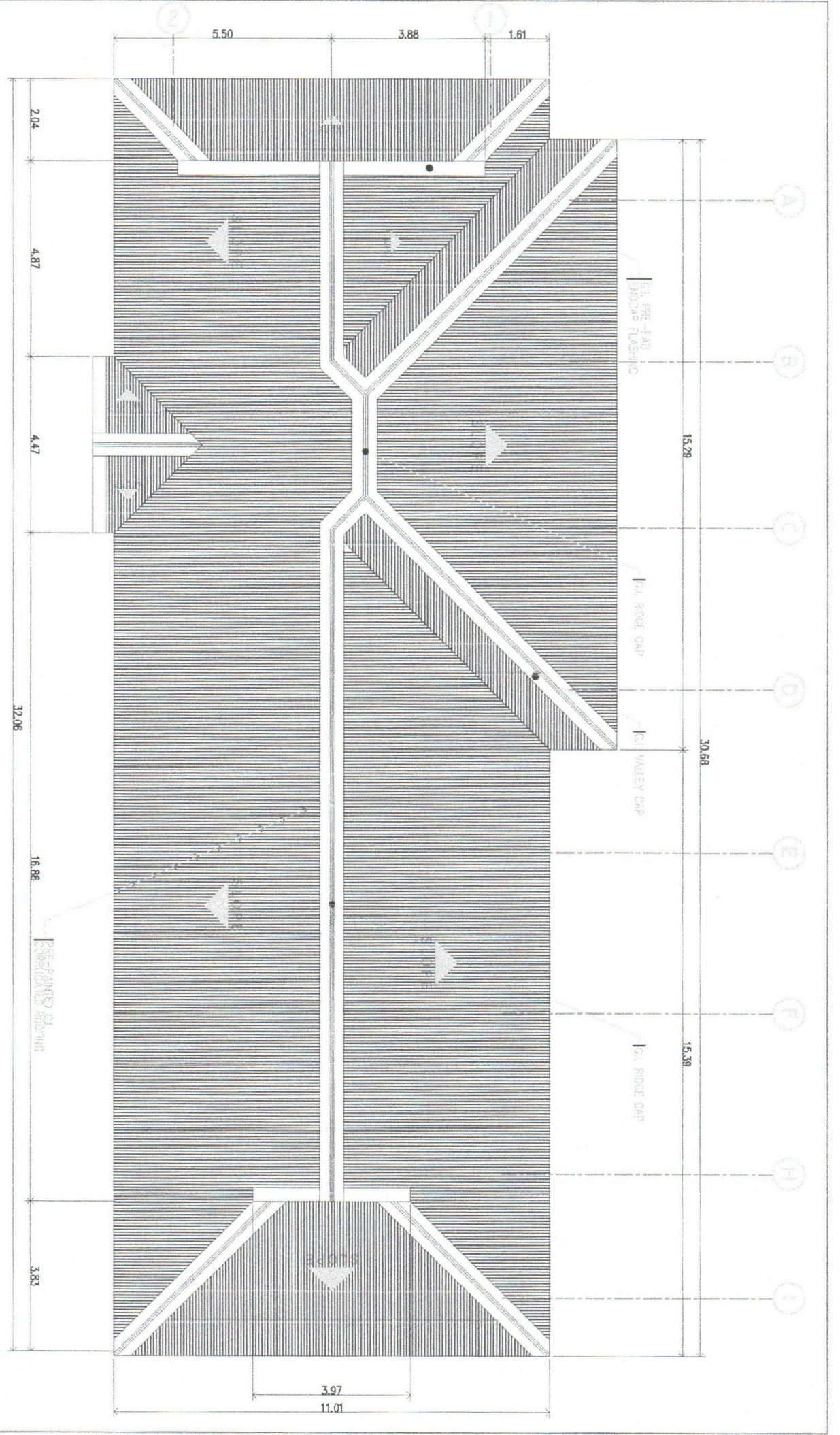
APPROVED BY:  
*[Signature]*  
DR. EDGARDO E. TULIEN  
ISU PRESIDENT


SHEET CONTENTS:  
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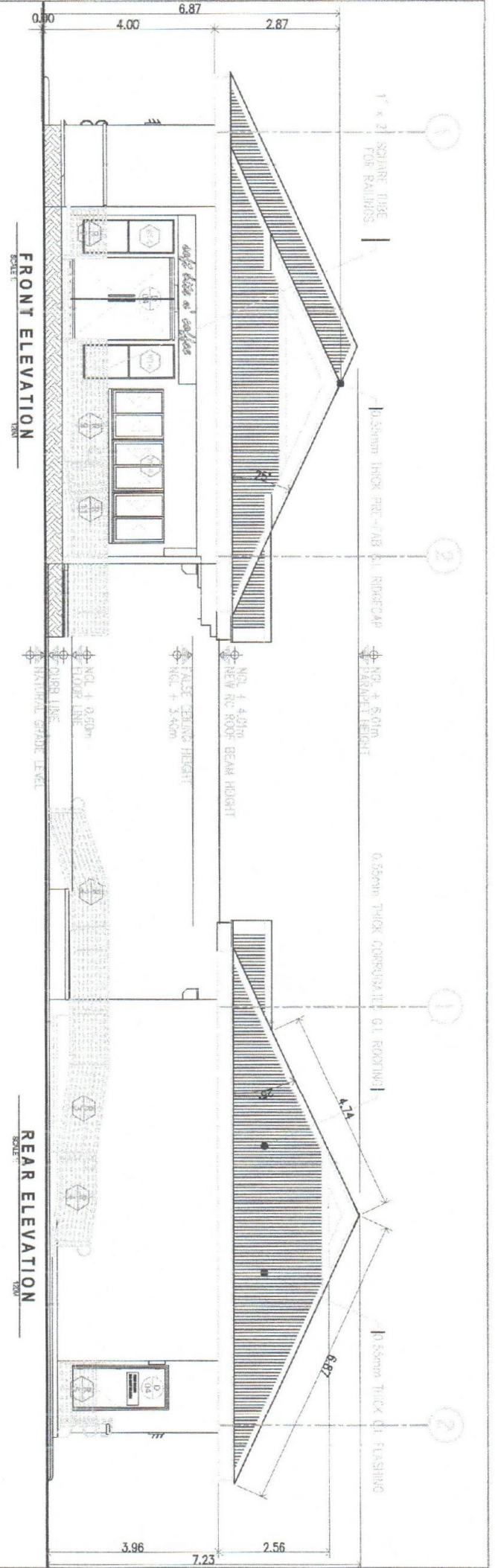
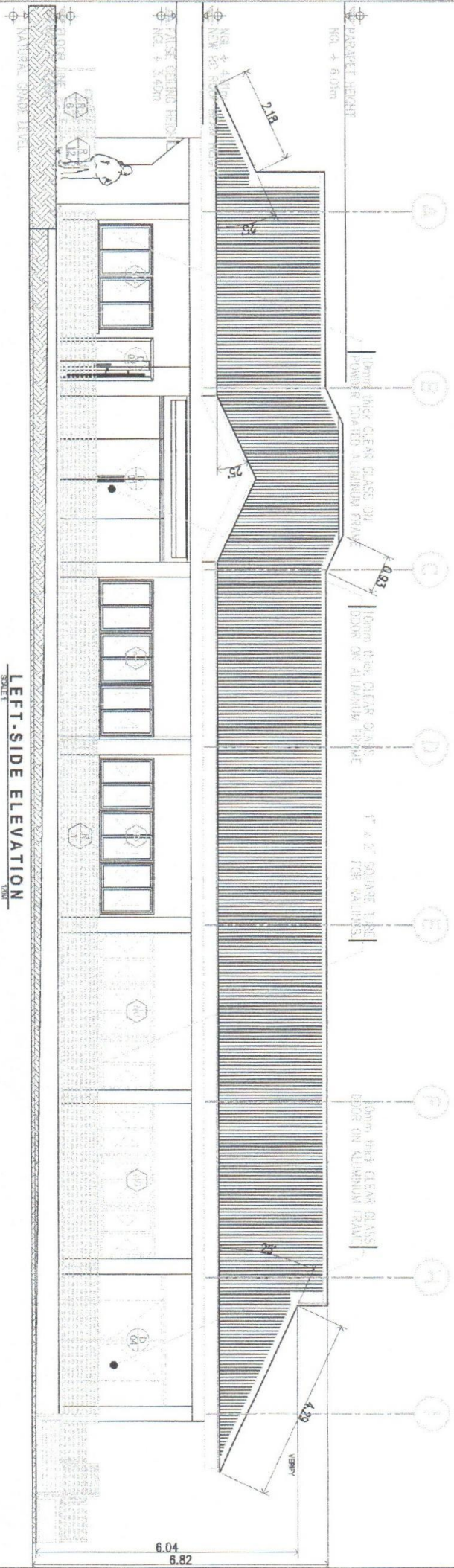
DESIGNED BY: ELVIN  
DATE STARTED: AUG 20  
DATE FINISHED: OCT 20

AS 11  
SHEET NO.  
05 21

ROOF PLAN  
SCALE: 1/8" = 1'-0"



	TITLE: 00483-275 PRC: 001810 PTR: 082870 Date: 28 JANUARY 2021 PLISS: JAVIER LEVE	Design by: <b>ELVINA CABANERO</b> ARCHITECT II	Checked by: <b>D. DANIEL LESLIE S. TAN</b> DIRECTOR (APPRA)	Checked by: <b>ENGR. MARIO LILLO P. VALENZONA</b> DIRECTOR (CS)	Vised by: <b>DR. REMBERTO A. PATINDOL</b> VP OF ADMINISTRATIVE FINANCE	Approved by: <b>DR. EDGARDO E. TIJUN</b> USA PRESIDENT	SHEET CONTENTS: FRONT ELEVATION REAR ELEVATION LEFT-SIDE ELEVATION	Designed by: ELVINA Date: 28 JAN 2021 Date Started: Aug 20 Date Finished: Oct 20	A6 11 SHEET NO. 06 21
	<b>PROJECT TITLE</b> "PROPOSED" (PHASE 01) <b>RENOVATION OF COOPERATIVE BLDG.</b>			<b>PROJECT NO.</b> 00483-275			<b>DATE</b> 28 JANUARY 2021		





TITLE: 80493-275  
 PROJ: 064870  
 PTR: 268876  
 DATE: 20 JANUARY 2023  
 P-LISS: JAMES LEVIE

Design by: **ELYVIA CABANERO**  
 ARCHITECT II

Proposed:  
 (PHASE 01)  
**RENOVATION OF COOPERATIVE BLDG.**

Checked by: **DR. DANIEL LESLIE S. TAN**  
 DIRECTOR CORPUS

Created by: **ENGR. MARCO LILLO P. VALENZONA**  
 DIRECTOR

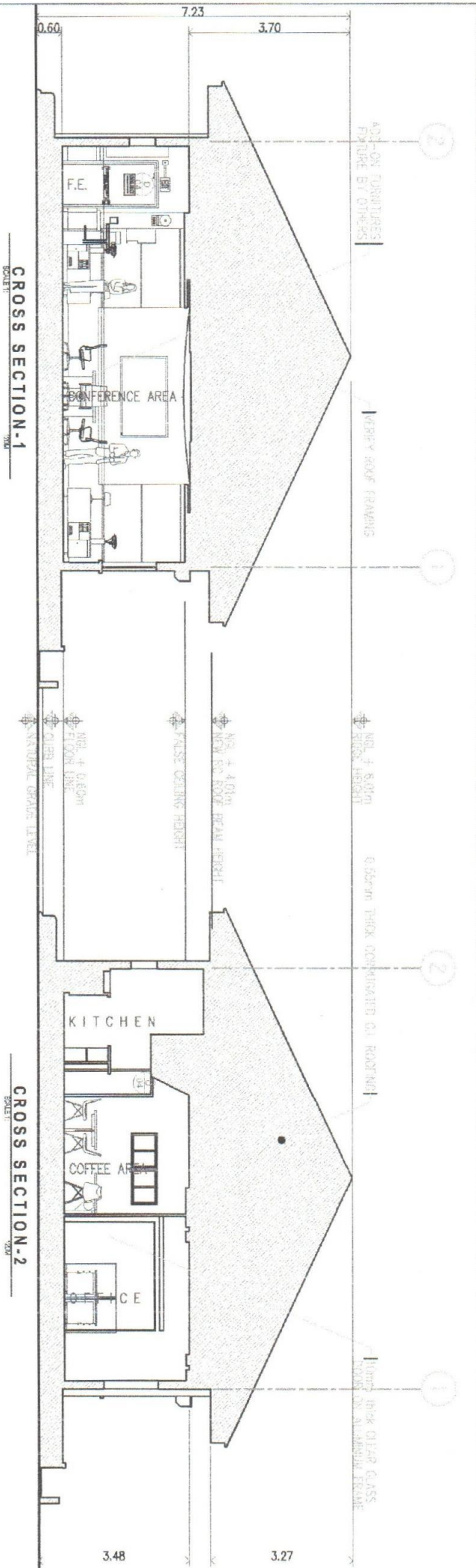
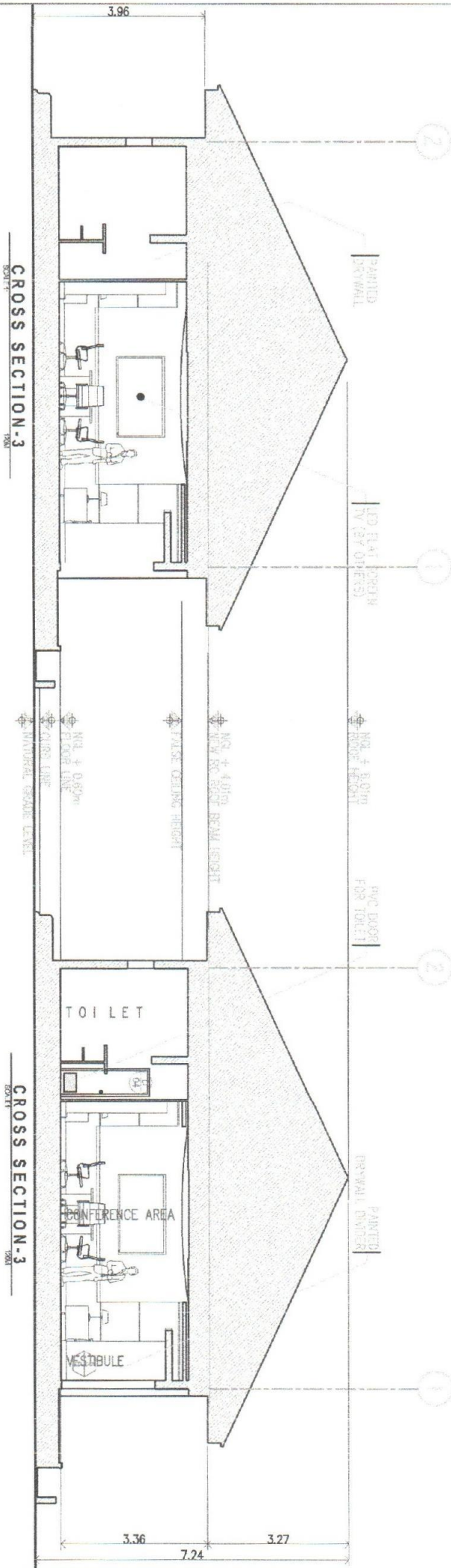
Noted by: **DR. REMBERTO A. PATINDOL**  
 VP OF QUANTITATIVE FINANCE

Approved by: **DR. EDGARDO E. TOLIN**  
 S.A. PRESIDENT

SHEET CONTENTS:  
 CROSS SECTION - 1  
 CROSS SECTION - 2  
 CROSS SECTION - 3  
 CROSS SECTION - 4

Designed by: ELYVIA  
 C.A.D. by: ELYVIA  
 Date Started: Aug. 20  
 Date Finished: Oct. 20

**A7 11**  
 SHEET NO  
**07 21**





TIN: 09453 275  
 PRC: 061810  
 PTR: 200719  
 Date: 20 JANUARY 2020  
 RUSB: JAVIER LESTRE

Designed by:  
**ELVIN A. CABANERO**  
 ARCHITECT II

Checked by:  
**DR. DANIEL LESLIE S. TAN**  
 DIRECTOR, CORPUB

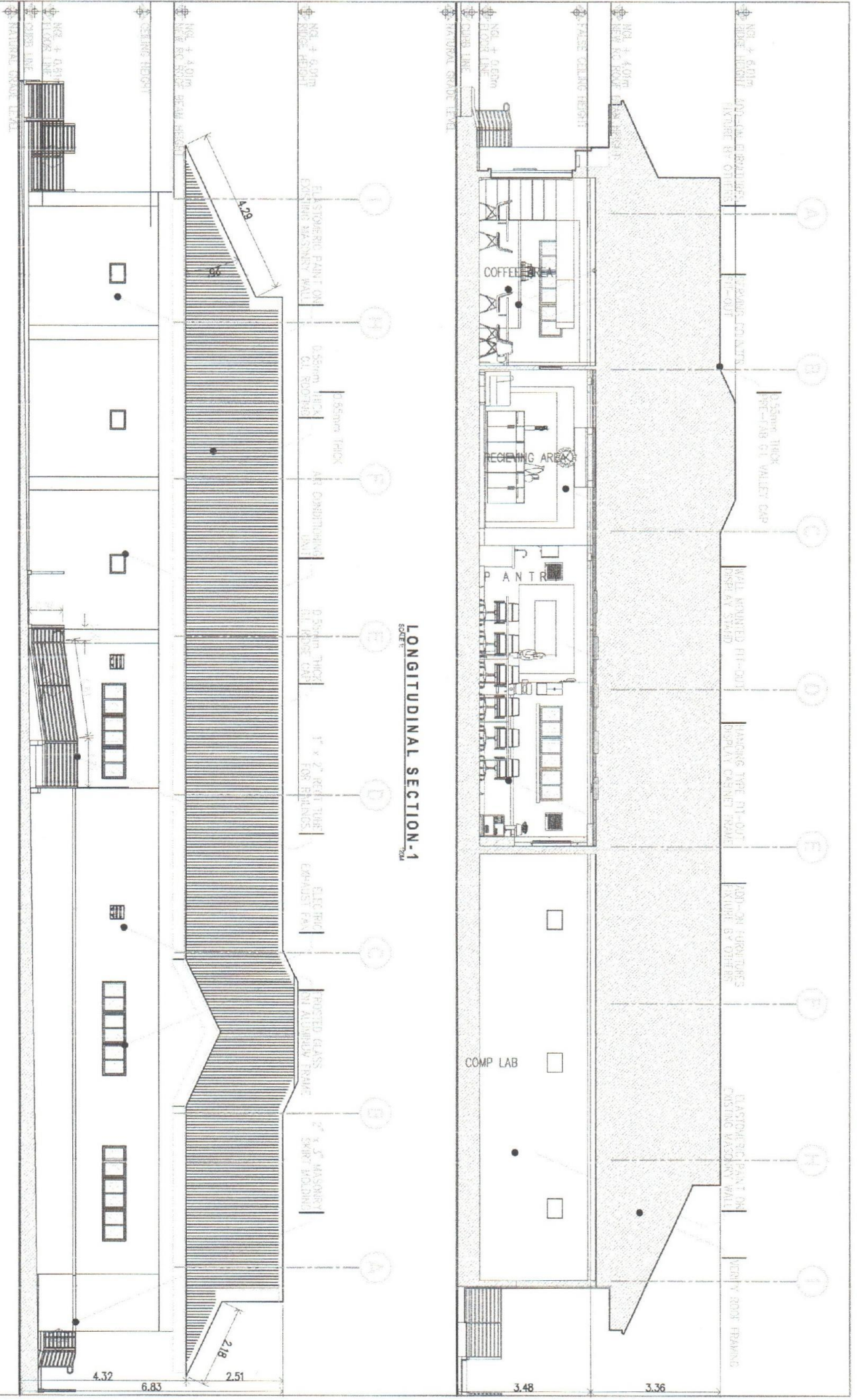
Checked by:  
**ENGR. MARIO LILLO P. VALENZONA**  
 DIRECTOR, COA

Noted by:  
**DR. REMBERTO A. PATINDOL**  
 VP OF ADMINISTRATION SERVICES

Approved by:  
**DR. EDGARDO E. TILUN**  
 VICE-RECTOR

SHEET CONTENTS:  
 LONGITUDINAL SECTION  
 RIGHT-SIDE ELEVATION  
 Date Started: Aug. '20  
 Date Finished: Oct. '20  
 SHEET NO. 08 27

**RIGHT-SIDE ELEVATION**  
 SHEET



**LONGITUDINAL SECTION-1**  
 SCALE 1/20

Dimensions: 4.32, 6.83, 2.51, 3.48, 3.36





Title: 80493-275  
 Date: 20 January 2021  
 P.L.S.: JAVIER LEVIE

Design by: *[Signature]*  
 Project Title: "PROPOSED" PHASE 01  
 RENOVATION OF COOPERATIVE BLDG.

Checked by: *[Signature]*  
 DR. DANIEL LESLIE S. TAN  
 DIRECTOR, COOP-UP

Checked by: *[Signature]*  
 ENGR. MARIQUILLO P. VALENZONA  
 DIRECTOR, COOP

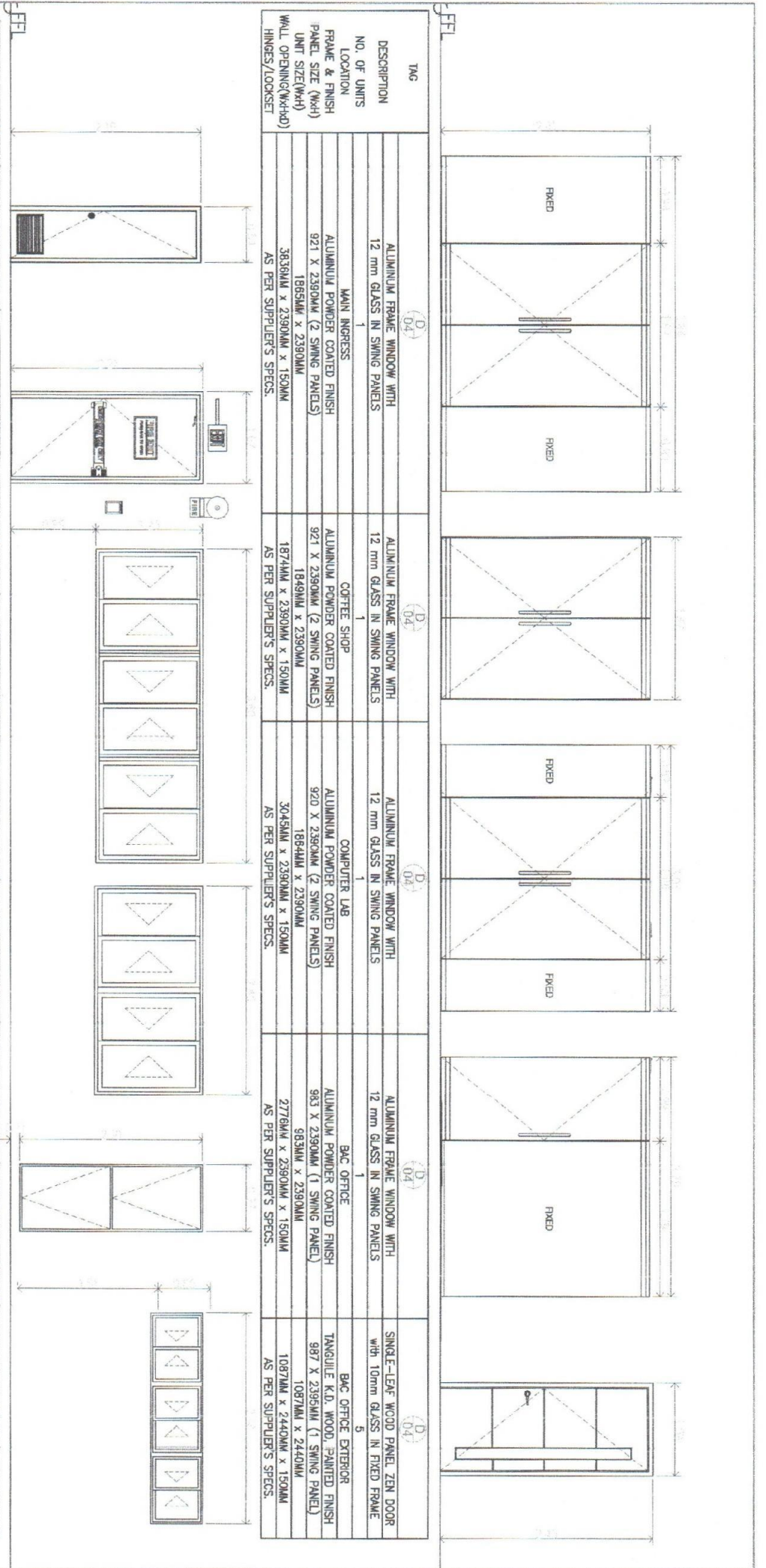
Vised by: *[Signature]*  
 DR. REMBERTO A. PATINDOL  
 VP OF GOVERNANCE & FINANCE

Approved by: *[Signature]*  
 DR. EDGARDO E. TULIN  
 VSA PRESIDENT

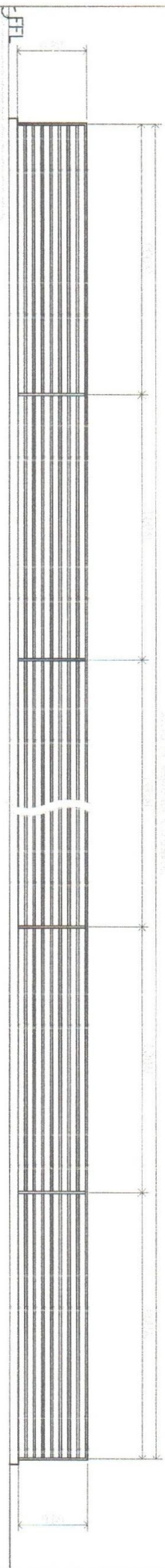
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 SHEET OF DOORS & WINDOWS  
 Date Started: Aug. 20  
 Date Finished: Oct. 20

SCHEDULE OF DOORS & WINDOWS

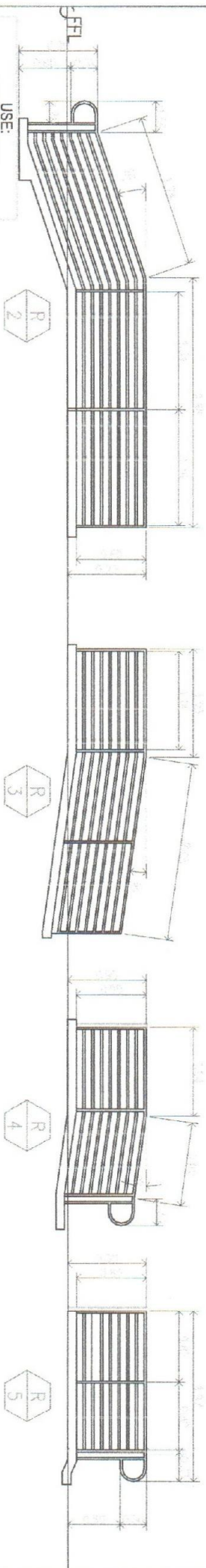
TAG	DESCRIPTION	NO. OF UNITS	LOCATION	FRAME & FINISH	PANEL SIZE (MMxH)	UNIT SIZE(WxH)	WALL OPENING(WxHxHD)	HINGES/LOOKSET
D 04	PVC GLAZED DOOR with LOUVER	6	TOILETS	PVC PLASTIC	700 X 2100MM (1 SWING PANEL)	800 X 2150MM	800MM x 2150MM x 150MM	AS PER MANUFACTURER'S SPECS.
D 04	FIRE EXIT PANIC DOOR with ACCESSORIES	1	FIRE EXIT	PRE-PAINTED ALLOY PANEL & FRAME	1000 X 2200MM (1 SWING PANEL)	1000 X 2200MM	1100 X 2300MM x 150MM	AS PER MANUFACTURER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 10MM THK. GLASS IN SLIDING PANELS	6	FRONT & RIGHT SIDE ELEVATIONS	ALUMINIUM POWDER COATED FINISH	600 X 1200MM (6 SLIDING PANELS)	1200MM x 1200MM	3800MM x 1250MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 10MM THK. GLASS IN SLIDING PANELS	1	FRONT & RIGHT SIDE ELEVATIONS	ALUMINIUM POWDER COATED FINISH	600 X 1200MM (4 SLIDING PANELS)	1200MM x 1200MM	2400MM x 1250MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 10mm GLASS IN AWNING PANELS	2	COFFEE SHOP	ALUMINIUM POWDER COATED FINISH	1200 X 1200MM (2 AWNING PNL'S)	650MM x 1200MM	650MM x 1200MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 10MM THK. GLASS IN SLIDING PANELS	5	REAR ELEVATION	ALUMINIUM POWDER COATED FINISH	380 X 600MM (6 SLIDING PANELS)	600 X 600MM	600 X 600MM x 150MM	AS PER SUPPLIER'S SPECS.



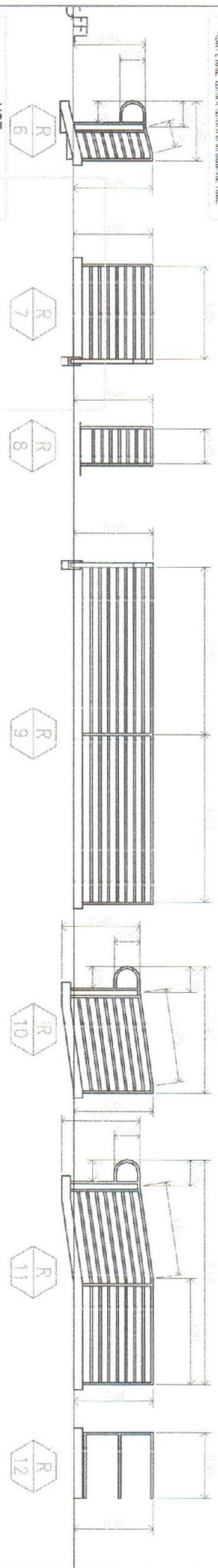
TAG	DESCRIPTION	NO. OF UNITS	LOCATION	FRAME & FINISH	PANEL SIZE (MMxH)	UNIT SIZE(WxH)	WALL OPENING(WxHxHD)	HINGES/LOOKSET
D 04	ALUMINIUM FRAME WINDOW WITH 12 mm GLASS IN SWING PANELS	1	MAIN INGRESS	ALUMINIUM POWDER COATED FINISH	921 X 2390MM (2 SWING PANELS)	1865MM x 2390MM	3636MM x 2390MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 12 mm GLASS IN SWING PANELS	1	COFFEE SHOP	ALUMINIUM POWDER COATED FINISH	921 X 2390MM (2 SWING PANELS)	1849MM x 2390MM	1874MM x 2390MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 12 mm GLASS IN SWING PANELS	1	COMPUTER LAB	ALUMINIUM POWDER COATED FINISH	920 X 2390MM (2 SWING PANELS)	1864MM x 2390MM	3045MM x 2390MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	ALUMINIUM FRAME WINDOW WITH 12 mm GLASS IN SWING PANELS	1	BAC OFFICE	ALUMINIUM POWDER COATED FINISH	983 X 2390MM (1 SWING PANEL)	983MM x 2390MM	2776MM x 2390MM x 150MM	AS PER SUPPLIER'S SPECS.
D 04	SINGLE-LEAF WOOD PANEL ZEN DOOR with 10mm GLASS IN FIXED FRAME	5	BAC OFFICE EXTERIOR	TANGSULE K.D. WOOD, PAINTED FINISH	997 X 2395MM (1 SWING PANEL)	1087MM x 2440MM	1087MM x 2440MM x 150MM	AS PER SUPPLIER'S SPECS.



USE:  
(ALL STAINLESS STEEL)  
TOP RAIL: 25mm x 50mm x 2mm RECTANGULAR TUBE  
MIDDLE POST: 25mm x 50mm x 2mm RECTANGULAR TUBE  
END POST: 25mm x 50mm x 2mm RECTANGULAR TUBE  
HORIZONTAL RAIL: 12mm x 2mm x 4mm SQUARE TUBE




USE:  
(ALL STAINLESS STEEL)  
TOP RAIL: 25mm x 50mm x 2mm RECTANGULAR TUBE  
MIDDLE POST: 25mm x 50mm x 2mm RECTANGULAR TUBE  
END POST: 25mm x 50mm x 2mm RECTANGULAR TUBE  
HORIZONTAL RAIL: 12mm x 2mm x 4mm SQUARE TUBE



USE:  
(ALL STAINLESS STEEL)  
TOP RAIL: 25mm x 50mm x 2mm RECTANGULAR TUBE  
MIDDLE POST: 25mm x 50mm x 2mm RECTANGULAR TUBE  
END POST: 25mm x 50mm x 2mm RECTANGULAR TUBE  
HORIZONTAL RAIL: 12mm x 2mm x 4mm SQUARE TUBE

**SCHEDULE OF EXTERIOR RAILINGS**  
SCALE

	THE STUDENTS PRG: 303030 Date: 20 JANUARY 2020 PLACE: SANTA LITE	Design by <b>ELVIN X CABANERO</b> ARCHITECT II	Proposed (PHASE 01) <b>RENOVATION OF COOPERATIVE BLDG.</b>	Ordered by: <b>DR. DANIEL LESLIE S. TAN</b> DIRECTOR, COPPA	Created by: <b>ENGR. MARIC LILIP VALANZONA</b> DIRECTOR, CAD	Made by: <b>DR. REMBERTO A. PATINDOL</b> VICE-CHANCELLOR, FINANCE	Approved by: <b>DR. EDGARDO E. TUJAN</b> VICE-PROCTOR	SHEET CONTENTS: SCHEDULE OF RAILING	Checked by: ELVIN Date Started: Aug. 20 Date Finished: Oct. 20	A10 11 SHEETING 10 21
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THE 08445375  
 PROJ: 081030  
 PTR: 080720  
 DATE: 20 JANUARY 2020  
 PLUSE: JAVIER LEITE

Design by:  
**ELYVIA A. CABANERO**  
 ARCHITECT II

Proposed Title:  
 "PROPOSED"  
 (PHASE 01)  
**RENOVATION OF COOPERATIVE BLDG.**

Checked by:  
**DR. DANIEL LESLIE S. TAN**  
 DIRECTOR, COPROU

Created by:  
**ENGR. MARIO LINDO P. VALENZONA**  
 DIRECTOR, IAD

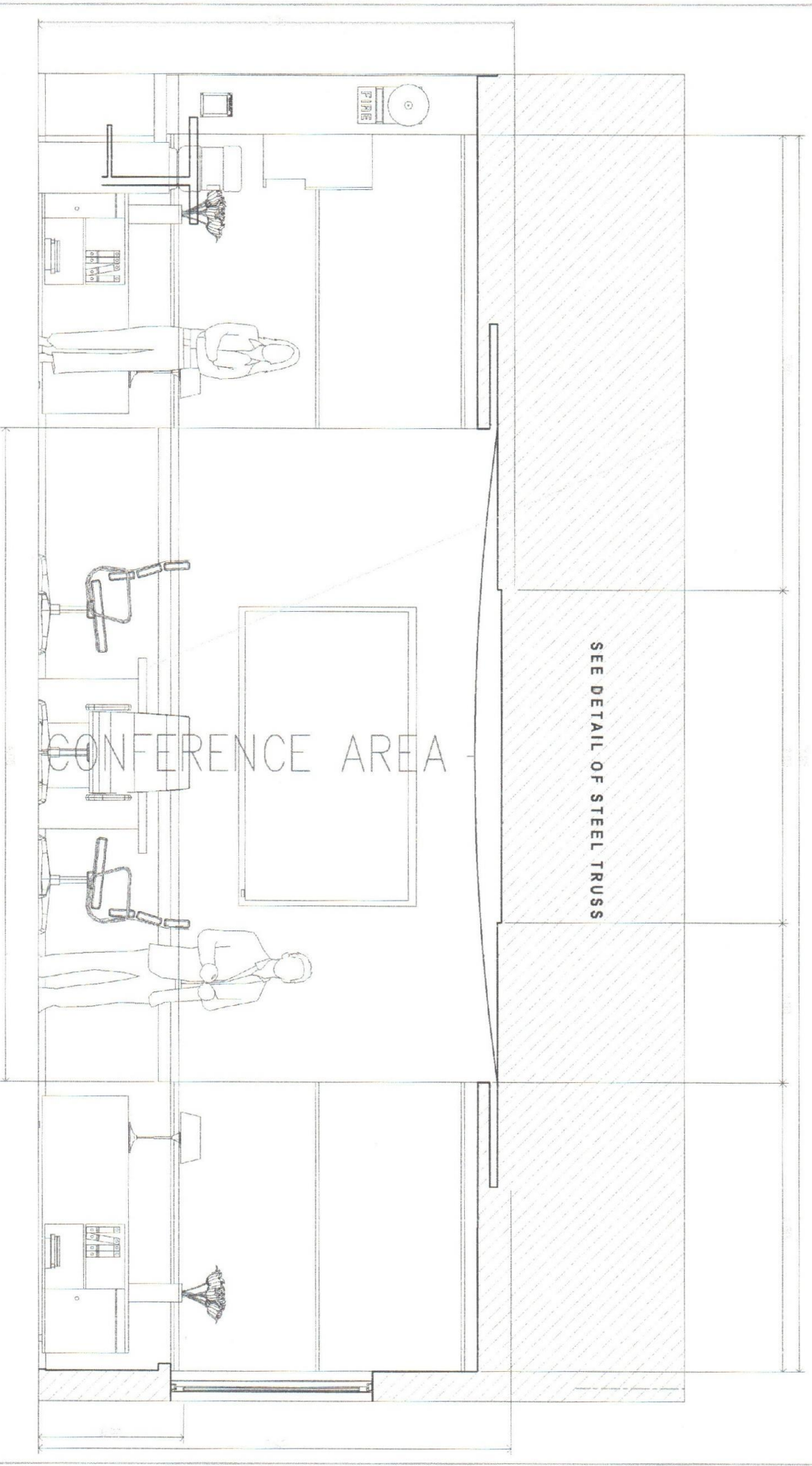
Made by:  
**DR. REMBERTO A. PATINDOL**  
 VP OF ADMINISTRATIVE & FINANCE

Approved by:  
**DR. EDUARDO E. TULLIN**  
 VICE PRESIDENT

SHEET CONTENTS:  
 Blow-up section of  
 CONFERENCE AREA

Designed by: ELYVIA  
 Date Started: Aug 20  
 Date Finished: Oct 20

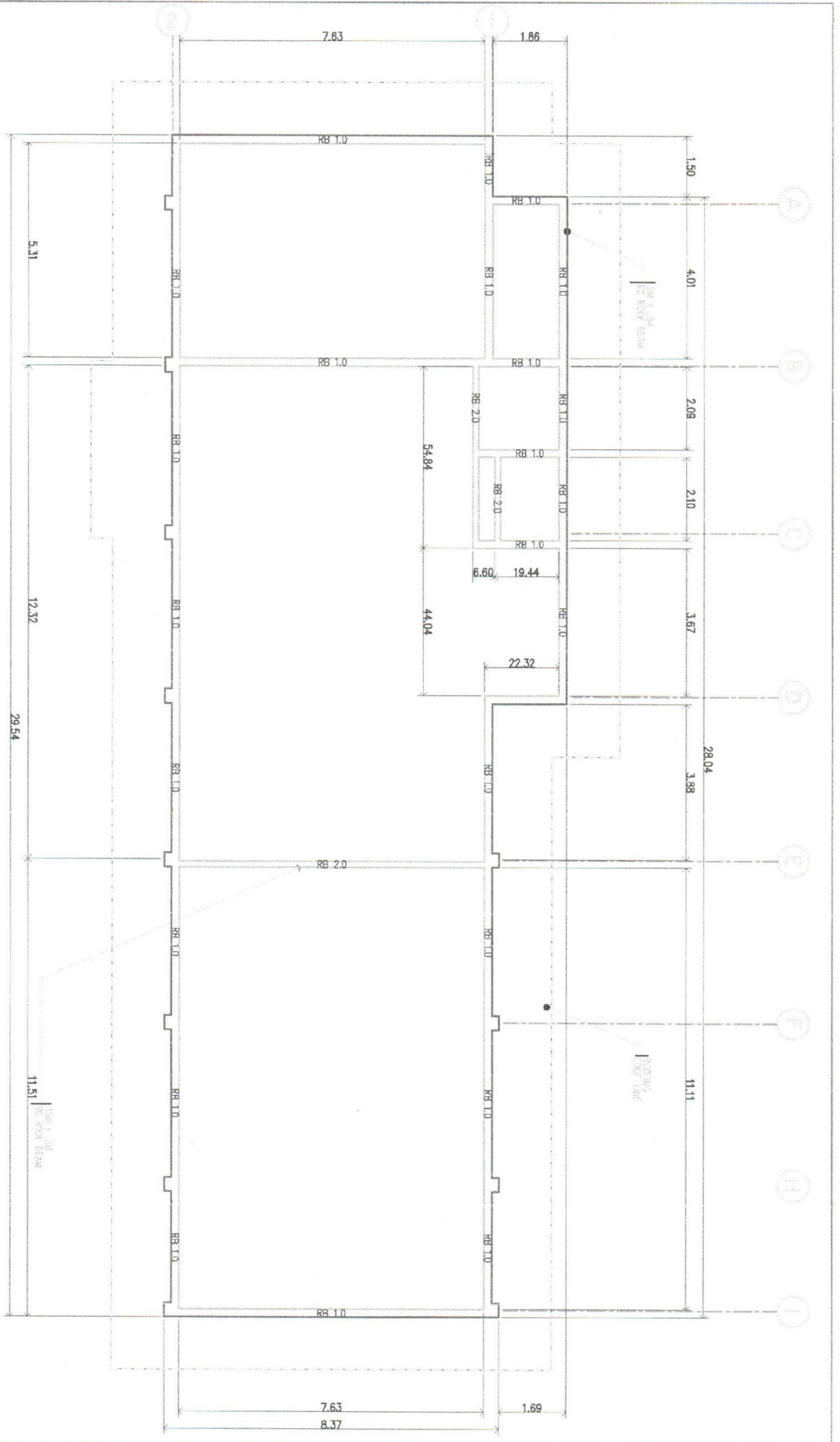
A11 11  
 SHEET NO.  
 11 21



**BLOW-UP SECTION OF CONFERENCE AREA**  
 SCALE



SEE:  
DETAILS OF  
RC ROOF BEAM



**RC ROOF BEAM PLAN**  
SHEET

 Checked by: <b>DR. DANIEL LESLIE S. TAN</b> DIRECTOR GENERAL	 Checked by: <b>ENGR. MARIO LINO P. MALENZONA</b> DIRECTOR GENERAL	 Checked by: <b>DR. REMBERTO A. PATINDOL</b> PROFESSOR EMERITUS	 Approved by: <b>DR. EDGARDO E. TULUN</b> VICE PRESIDENT	SHEET CONTENTS: RC ROOF BEAM PLAN	Designed by: ELYON Date Started: Aug. 20 Date Finished: Oct. 21
Title: RC ROOF BEAM Date: 19/08/2024 Drawn by: ELYON P. 1st. MAANING	Description: <b>"PROPOSED"</b> <b>RENOVATION OF COOPERATIVE BLDG.</b>	Project No.: <b>19/08/2024</b>	Scale: <b>1:100</b>	SHEET NO.: <b>21</b>	SHEET NO.: <b>21</b>



SEE:  
SCHEDULE  
OF TRUSS / HT

TRUSS: 474444-448  
DESC: 04/18/11  
DATE: 12/20/2011  
PROJECT: 184358N CITY

Design by:  
**JEN APRILO JUNGLO**  
CHIEF ARCHITECT

Project Title:  
"PROPOSED"  
(Phase 01)  
**RENOVATION OF COOPERATIVE BLDG.**  
DESC: R. 007724  
**DR. DANIEL LESLIE S. TAN**

Checked by:  
**ENGR. MAROTILLO P. VALENZONA**  
DIRECTOR / I.D.

Noted by:  
**DR. REMBERTO A. PATINDOL**  
PROJECT MANAGER / ENGINEER

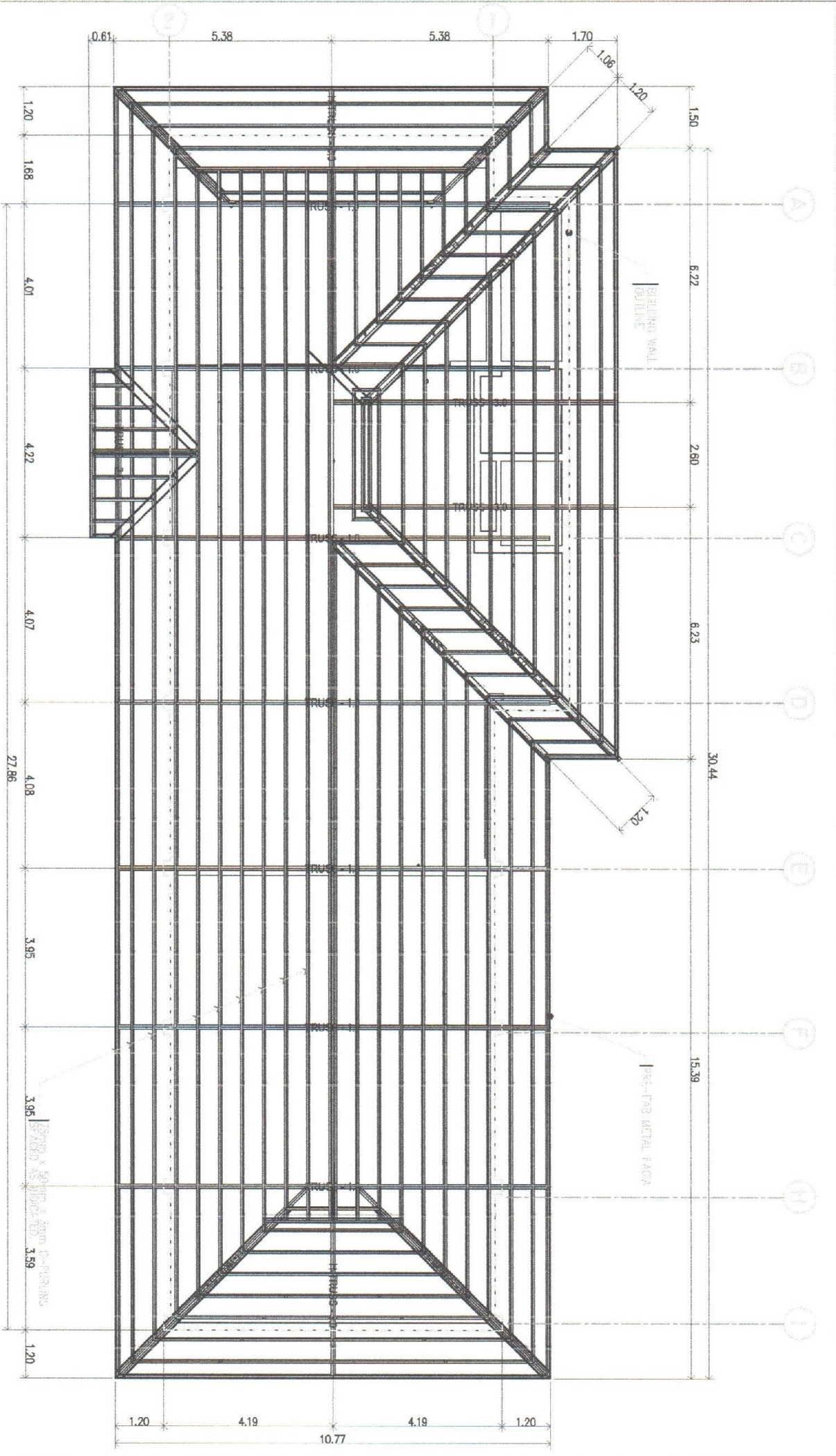
Approved by:  
**DR. EDUARDO E. TULIN**  
VLS / PRESIDENT

SHEET CONTENTS:  
ROOF FRAMING PLAN

Designed by: ELVON  
CAD by: ELVON  
Date Started: Aug '20  
Date Finished: Apr '21

S1 03  
SHEET NO  
12 21

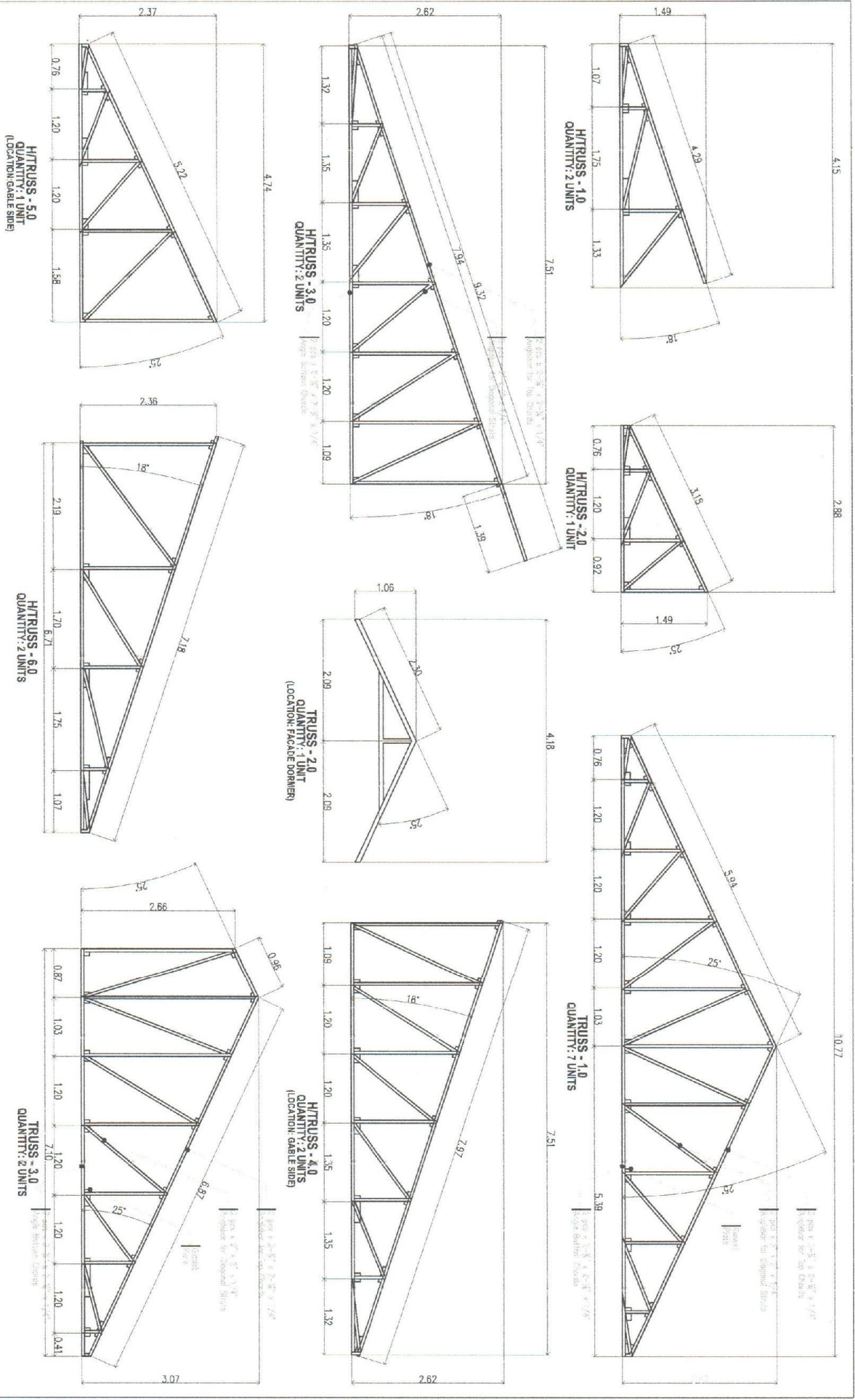
**ROOF FRAMING PLAN**  
1/200





TITLE: 044844480 DATE: 04/20/21 DRAWN BY: JEN APRIL A. JUALO CHECKED BY: DR. DANIEL LESLIE S. TAN PROJECT NO.: 132882 PROJECT NAME: RENOVATION OF COOPERATIVE BLDG. PROJECT LOCATION: 1545 HIGHLAND BLVD., LOS ANGELES, CA 90015 PROJECT OWNER: JEN APRIL A. JUALO PROJECT ARCHITECT: DR. DANIEL LESLIE S. TAN PROJECT ENGINEER: DR. DANIEL LESLIE S. TAN PROJECT DATE: 04/20/21	DESIGNED BY: JEN APRIL A. JUALO CHECKED BY: DR. DANIEL LESLIE S. TAN PROJECT TITLE: "PROPOSED" (PHASE 01) RENOVATION OF COOPERATIVE BLDG. PROJECT LOCATION: 1545 HIGHLAND BLVD., LOS ANGELES, CA 90015 PROJECT OWNER: JEN APRIL A. JUALO PROJECT ARCHITECT: DR. DANIEL LESLIE S. TAN PROJECT ENGINEER: DR. DANIEL LESLIE S. TAN PROJECT DATE: 04/20/21	DRAWN BY: JEN APRIL A. JUALO CHECKED BY: DR. DANIEL LESLIE S. TAN PROJECT TITLE: "PROPOSED" (PHASE 01) RENOVATION OF COOPERATIVE BLDG. PROJECT LOCATION: 1545 HIGHLAND BLVD., LOS ANGELES, CA 90015 PROJECT OWNER: JEN APRIL A. JUALO PROJECT ARCHITECT: DR. DANIEL LESLIE S. TAN PROJECT ENGINEER: DR. DANIEL LESLIE S. TAN PROJECT DATE: 04/20/21	DRAWN BY: JEN APRIL A. JUALO CHECKED BY: DR. DANIEL LESLIE S. TAN PROJECT TITLE: "PROPOSED" (PHASE 01) RENOVATION OF COOPERATIVE BLDG. PROJECT LOCATION: 1545 HIGHLAND BLVD., LOS ANGELES, CA 90015 PROJECT OWNER: JEN APRIL A. JUALO PROJECT ARCHITECT: DR. DANIEL LESLIE S. TAN PROJECT ENGINEER: DR. DANIEL LESLIE S. TAN PROJECT DATE: 04/20/21	DRAWN BY: JEN APRIL A. JUALO CHECKED BY: DR. DANIEL LESLIE S. TAN PROJECT TITLE: "PROPOSED" (PHASE 01) RENOVATION OF COOPERATIVE BLDG. PROJECT LOCATION: 1545 HIGHLAND BLVD., LOS ANGELES, CA 90015 PROJECT OWNER: JEN APRIL A. JUALO PROJECT ARCHITECT: DR. DANIEL LESLIE S. TAN PROJECT ENGINEER: DR. DANIEL LESLIE S. TAN PROJECT DATE: 04/20/21	DRAWN BY: JEN APRIL A. JUALO CHECKED BY: DR. DANIEL LESLIE S. TAN PROJECT TITLE: "PROPOSED" (PHASE 01) RENOVATION OF COOPERATIVE BLDG. PROJECT LOCATION: 1545 HIGHLAND BLVD., LOS ANGELES, CA 90015 PROJECT OWNER: JEN APRIL A. JUALO PROJECT ARCHITECT: DR. DANIEL LESLIE S. TAN PROJECT ENGINEER: DR. DANIEL LESLIE S. TAN PROJECT DATE: 04/20/21
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**SCHEDULE OF STEEL TRUSS**





THE UNIVERSITY OF THE PHILIPPINES  
 Diliman, Quezon City  
 PLSS: 144881-01V

Created by:  
**JEN APRILO BALALO**  
 CIVIL ENGINEER I

Project Title:  
 "PROPOSED"  
 (PHASE 01)  
**RENOVATION OF COOPERATIVE BLDG.**

Checked by:  
**DR. DANIEL LESLIE S. TAN**  
 DIRECTOR, CDPOR

Checked by:  
**ENGR MARIO LILLO P. VALENZONA**  
 DIRECTOR, CAS

Valid by:  
**DR. REMBERTO A. PATINDOL**  
 VICE-CHANCELLOR, FINANCE

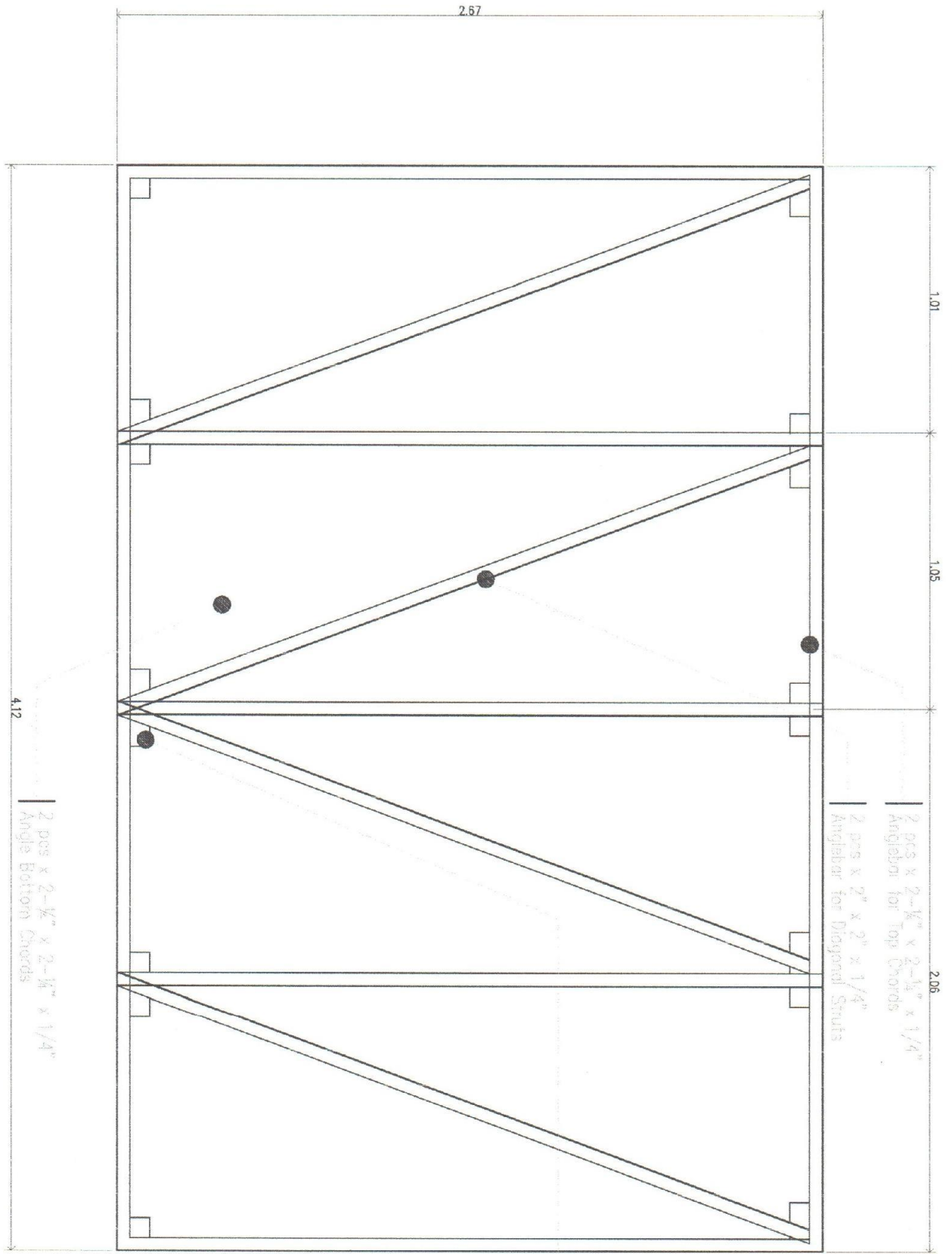
Approved by:  
**DR. EDGARDO E. TULIN**  
 VICE-CHANCELLOR

SHEET CONTENTS:  
 SPACE FRAME

Checked by: ELTON  
 Date Started: Aug. 20  
 Date Finished: Aug. 21

S3 04  
 SHEET NO.  
 14 21

**DETAIL OF G.I. SPACE FRAME**





TR 474484-88  
 DATE: 04/21/2021  
 PROJECT: RENOVATION OF COOPERATIVE BLDG.  
 PLANS: 1044381-011

Project Title: "PROPOSED" (PHASE 01)  
**RENOVATION OF COOPERATIVE BLDG.**

Checked by: *[Signature]*  
**DR. DANIEL LESLIE S. TAN**  
 DIRECTOR, COPRA

Checked by: *[Signature]*  
**ENGR. MARICEL P. VALENZONA**  
 DIRECTOR, DP

Noted by: *[Signature]*  
**DR. REMBERTO A. PATINDOL**  
 VP-COORDINATOR & CHAIR

Approved by: *[Signature]*  
**DR. EDGARDO E. TULIN**  
 VP-RESEARCH

SHEET CONTENTS:  
 DETAIL OF RC ROOF BEAM

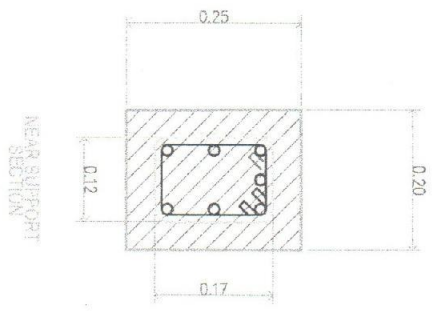
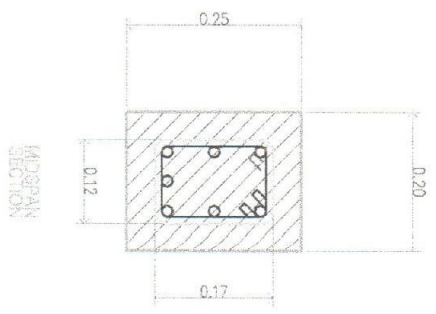
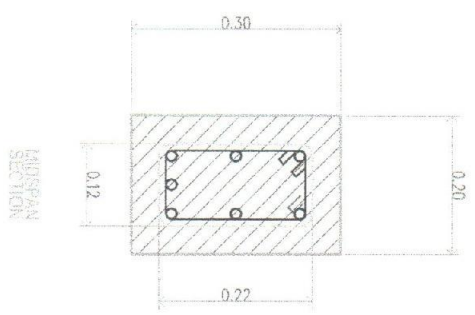
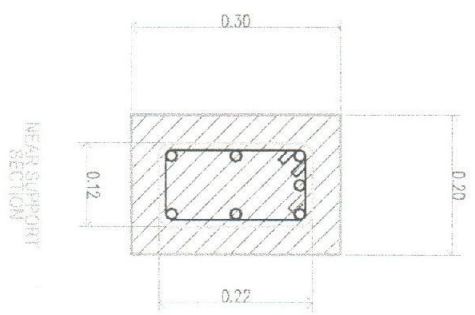
Designed by: EIVON  
 Date Started: Aug 20  
 Date Finished: Apr 21

S-1  
 SHEET NO.  
 21

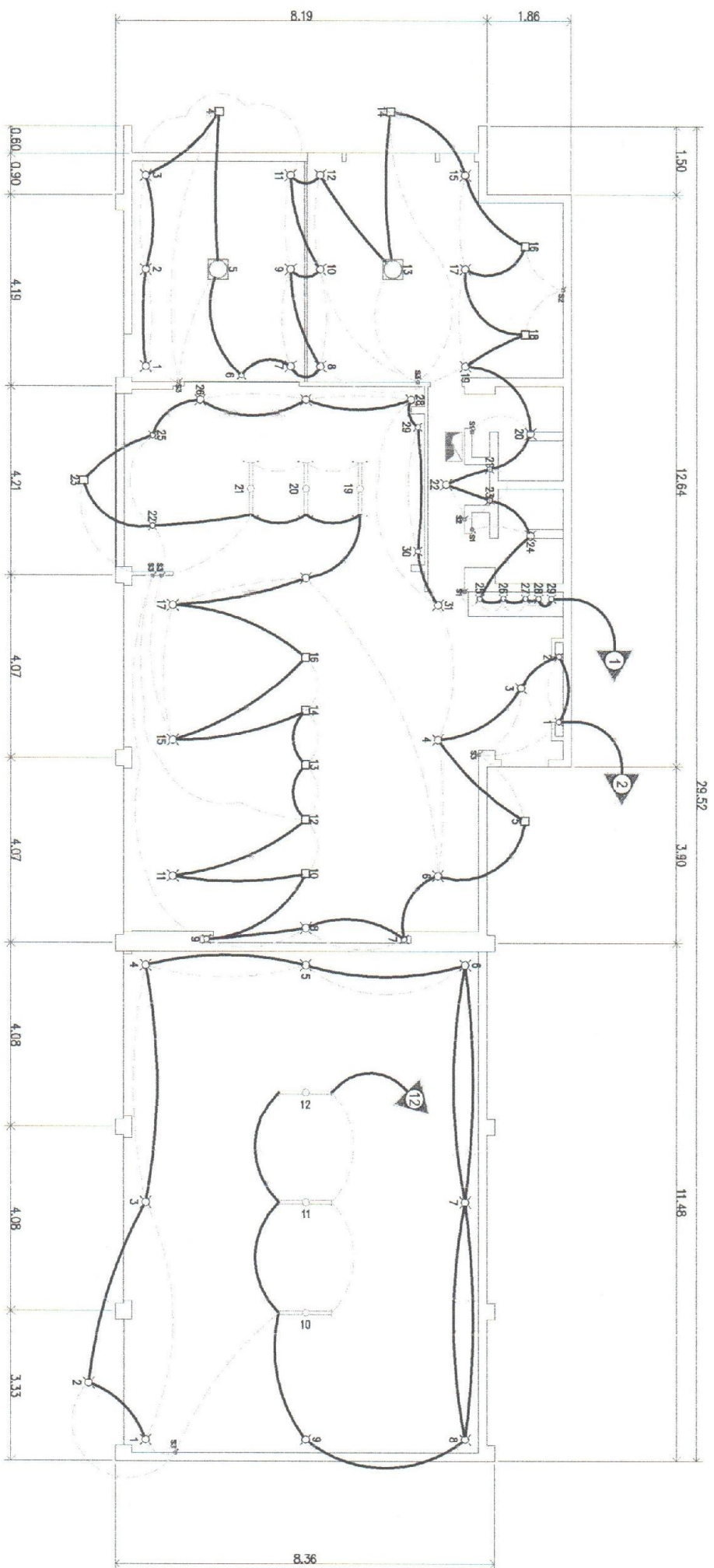
NOTES:  
 1. Use 2-16 mm Ø A 246 post hook bars with 2-6 mm Ø EXTRA BARS & 1-10 mm Ø BEND BAR.  
 2. All post hook bars shall be spaced @ 24 mm & 150 mm REST AT 90° TO C.C.

NOTES:  
 1. Use 2-16 mm Ø A 246 post hook bars with 2-6 mm Ø EXTRA BARS & 1-10 mm Ø BEND BAR.  
 2. All post hook bars shall be spaced @ 24 mm & 150 mm REST AT 90° TO C.C.







**DETAIL OF RC ROOF BEAMS**  
 SCALE:







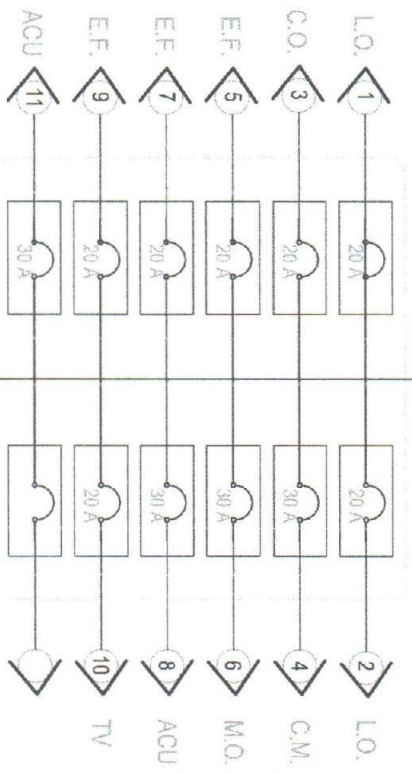
**LIGHTING LAYOUT**  
SCALE: 1/20

	TITLE: PROJECT: DATE: PLANS:	Drawn by: 	Project Title: "PROPOSED" (PHASE-01) <b>RENOVATION OF COOPERATIVE BLDG.</b>	Checked by: 	Checked by: 	Noted by: 	Approved by: 	SHEET CONTENTS: LIGHTING LAYOUT	Designed by: ELXON CMC by: ELXON Date Started: Aug. 20 Date Finished: Oct. 20 Revision #: 2/08(17/20)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">E1 04</td> <td style="width: 50%; text-align: center;">SHEET NO.</td> </tr> <tr> <td style="width: 50%; text-align: center;">15</td> <td style="width: 50%; text-align: center;">21</td> </tr> </table>	E1 04	SHEET NO.	15	21
E1 04	SHEET NO.													
15	21													



**SCHEDULE OF LOADS**

NO.	DESCRIPTIONS	NO. OF OUTLETS	SWITCHES	WATTS	FACTOR	VOLTS	AMPS	REMARKS	BREAKER	CONDUIT
1	LIGHTING OUTLET	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
2	LIGHTING OUTLET	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
3	CONVENIENCE OUTLET	1	1	2000	100	220	9.09	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
4	CONVENIENCE OUTLET	1	1	2000	100	220	9.09	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
5	COFFEE MAKER	1	1	1000	100	220	4.55	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
6	EXHAUST FAN	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
7	EXHAUST FAN	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
8	EXHAUST FAN	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
9	EXHAUST FAN	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
10	EXHAUST FAN	1	1	2500	100	220	11.36	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
11	ACU @ 1100 BTU	1	1	2400	100	220	10.91	USE NO. 12 THHN AVG	20 AMP CB	1/2" E.P.
TOTAL		10	10	14,050		220	63.78	USE NO. 6 THHN AVG	80 AMP CB	3/4" E.P.



**RISER DIAGRAM**

**SAMPLE COMPUTATION:**  
 TOTAL COMPUTED LOAD = 14,050 W  
 14,050 W X 85% DF = 11,942.5 W  
 220 VOLTS  
 = 54.28 AMPERES

**FOR MAIN CB:** USE 2#6 THHN-UNSTRANDED CU  
 ICB = 1.5 (14,050) + 15  
 = 94.99 AMPS  
 FOR MAIN CB: 90mm<sup>2</sup> RSC @ 90A TAF CB, 2 POLE, 100 CIRCUITS  
 ICB = 1.25 (14,050) + 15  
 = 81.41 AMPS

**FOR MAIN CB:** USE 2#6 THHN-UNSTRANDED CU  
 ICB = 1.5 (14,050) + 15  
 = 94.99 AMPS  
 FOR MAIN CB: 90mm<sup>2</sup> RSC @ 90A TAF CB, 2 POLE, 100 CIRCUITS  
 ICB = 1.25 (14,050) + 15  
 = 81.41 AMPS

**LEGEND**

○	SEILING MOUNTED LIGHT FITTING
○	WALL MOUNTED LIGHT FITTING
○	FLOODED LIGHT
○	FLOODED LIGHT SINGLE TUBE LIGHT FITTING
○	FLOODED LIGHT DOUBLE TUBE LIGHT FITTING
○	FLOODED LIGHT TRIPLE TUBE LIGHT FITTING
○	ONE WAY LIGHT SWITCH (UP/DOWN) NO. OF GANGS
○	TWO WAY LIGHT SWITCH
○	WATER HEATER
○	20A DOUBLE POLE SWITCH
○	FLUXIBLE CONNECTION QUIN ET DIA
○	FLUXIBLE CONNECTION QUIN ET DIA
○	10A SINGLE SWITCHER SOCKET OUTLET
○	10A DOUBLE POLE SWITCH
○	10A TWIN SWITCHER SOCKET OUTLET
○	15A FLEX. CABLE CONNECTION QUIN ET DIA
○	15A COOKER CONTROL UNIT
○	SPRINTSOLATOR @ CURRENT RATING
○	5 AMP SPUR OUTLET
○	EXHAUST FAN
○	EMERGENCY LIGHT

**GENERAL NOTES:**

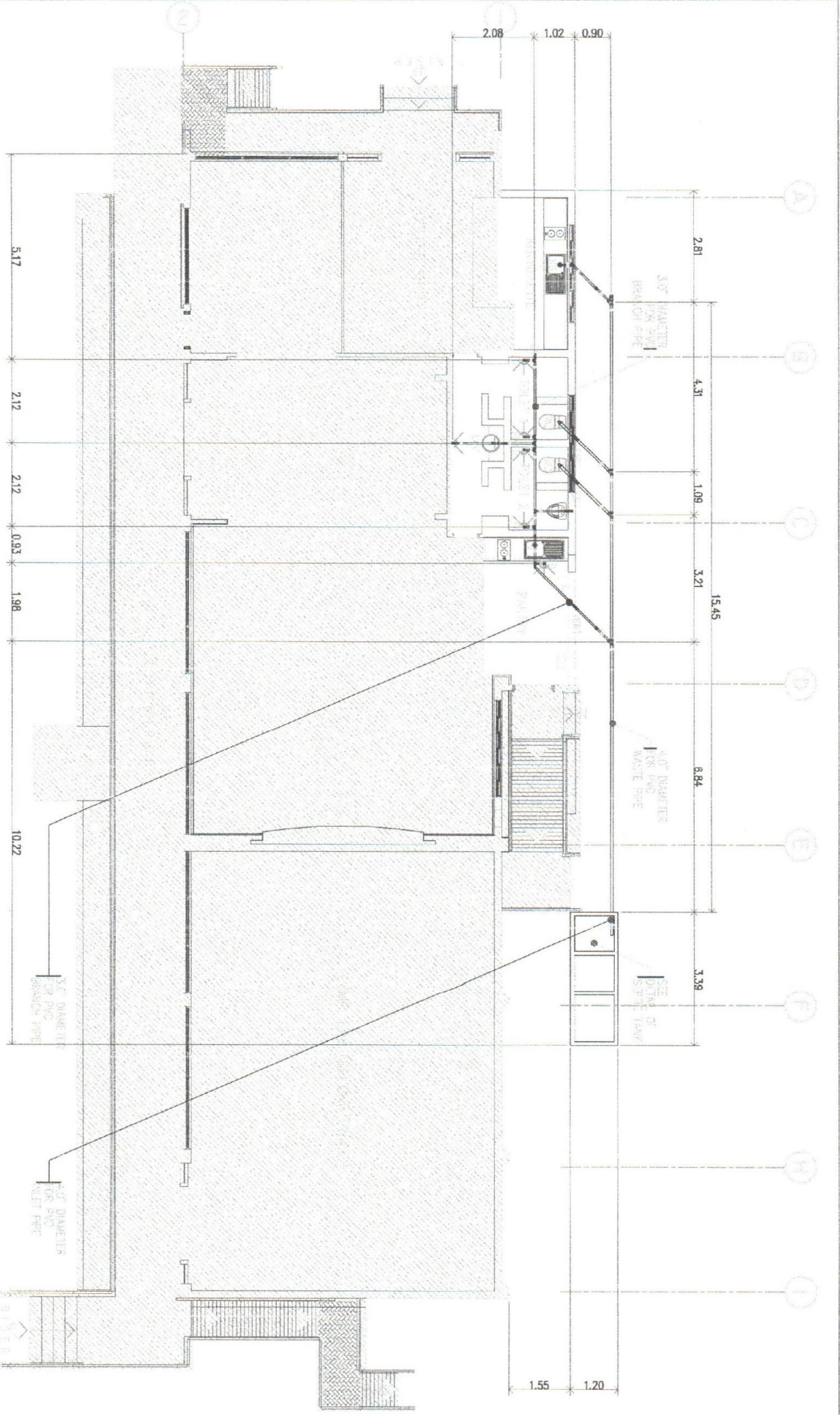
- ALL ELECTRICAL WORKS AND INSTALLATIONS SHALL COMPLY WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE WITH THE RULES & REGULATIONS OF THE NATIONAL & LOCAL AUTHORITIES CONCERNED IN THE INFORMATION OF ELECTRICAL LAWS & REGULATIONS OF THE UTILITY COMPANIES
- ALL WIRINGS SHALL BE INSTALLED IN STANDARD PVC OR RSC CONDUITS RUN EMBEDDED IN CONCRETE HOLLOW BLOCK STRUCTURE, COLUMNS, WALL PARTITIONING AND/OR RUN CONCEALED BETWEEN DOUBLE WOODEN PARTITIONS AND THE INSIDE CEILING SPACES WHERE THE USE OF CONCEALED CONDUIT WIRING IS IMPRACTICABLE SURFACE METAL MOUNTED WIRING SHALL BE USED
- SERVICE VOLTAGE TO THE BUILDING SHALL BE 110/220VOLT 60HZ. SINGLE PHASE
- THE CONTRACTOR SHALL VERIFY AND CORRECT THE ACTUAL LOCATION OF THE CONCRETE TERMINAL POLE FOR CONNECTION TO THE POWER SUPPLY & TELEPHONE SERVICE. SHALL BE RIGID STEEL CONDUIT (RSC) OF THE R/W SIZE NOTED.
- ALL INSTALLATION SHALL BE CONCEALED FROM VIEW, WIRING SHALL BE INCREASE IN POLYMER CHLORIDE (PVC) PIPE SCHEDULE 40 EXCEPT AND TELEPHONE SERVICE WHICH SHALL BE RIGID STEEL CONDUIT (RSC) OF THE R/W SIZE NOTED.
- PULL BOXES OF APPROPRIATE SIZE SHALL BE PROVIDED EVEN IF NOT INDICATED IN DRAWING TO ACCOMMODATE THE NUMBER OF SPLICES OF WIRES
- WHEREVER REQUIRED OR NECESSARY, PULL BOXES OR JUNCTION BOXES OF PROPER SIZE SHALL BE INSTALLED AT CONVENIENT AND INCONSPICUOUS LOCATIONS. SUCH BOXES ARE NOT SHOWN IN THE PLAN NOR MENTIONED IN THE SPECIFICATIONS. MINIMUM WIRE AND CONDUIT SHALL BE NO. 12 AWG TYPE TW AND 1 1/2" R/W TRADE SIZE RESPECTIVELY UNLESS OTHERWISE SPECIFIED
- ALL FLUORESCENT LAMPS SHALL BE PROVIDED WITH POLYESTER-FILLED PREHEAT THERMALLY PROTECTED HIGH BALLAST
- ALL MATERIALS TO BE USED SHALL BE NEW & APPROVED TYPE APPROPRIATE FOR BOTH LOCAL AND FOREIGN SOURCES AND SHALL NOT CARRY
- ALL LIGHT CONTROL SWITCHES SHALL BE RATED 10 AMPS, 300 WATTS AND SHALL CARRY A LOAD OF 250 WATTS
- RECEPTACLE SHALL BE RATED 10 AMPS, 250 WATTS A ROUNDED SLOTS FOR 220 VOLTS AND FOR PARALLEL FOR 110 VOLTS AND SPECIAL OUTLETS SHALL BE RATED 15 AMP 250 WATT
- FOR EACH SPARE CIRCUIT PANEL BOARD PROVIDED EMPTY 2" Ø RISER TERMINATING IN A 2" Ø DEEP 4" OCTAGONAL BOX ABOVE CEILING
- ELECTRICAL INSTALLATIONS SHALL BE UNDER THE DIRECT SUPERVISION OF A QUALY LICENSED ELECTRICAL ENGINEER OR REGISTERED MASTER ELECTRICIAN
- OUTLET BOXES SHALL BE AS FOLLOWS:  
 1 1/2" DEEP 4" OCTAGONAL BOX 1 OR 2 WAY ENTRIES.  
 2 1/2" DEEP 4" OCTAGONAL BOX 3 OR 4 WAY ENTRIES.  
 3 1/2" DEEP 4 1/2" SQUARE BOX WITH 1-GANG RAISED PLASTIC COVER.  
 RANGE OUTLET
- NO REVISION IN THE DESIGN WITHOUT THE KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER. ANY SUCH REVISION DONE WITHOUT APPROVAL SHALL CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASE AS A WHOLE.

**PROJECT TITLE:** RENOVATION OF COOPERATIVE BLDG.  
**PHASE:** (PHASE 20)  
**DESIGNER:** DR. DANIEL LESLIE S. TAN  
**ENGINEER:** ENGR. MARIO LILIP VALERONZA  
**PROJECT NO.:** DR. NEMER TO A. PATINDOL  
**DATE:** DR. EDGARDO E. TULIN

**DATE:** 17/21



SEE:  
DETAIL OF  
SEPTIC TANK



**WASTELINE LAYOUT**

TITLE: PROJECT: PHASE: DRAWING NO.: PLANS:	Design by: MASTER PLUMBER	Project Title: <b>PROPOSED</b> (PHASE 2) <b>RENOVATION OF COOPERATIVE BLDG.</b>	Drawn by: <b>DR. DANIEL LESLIE S. TAN</b> DIRECTOR, ODP&U	Checked by: <b>ENGR. MARIO LUIO P. MALENZONA</b> DIRECTOR, O&U	Voted by: <b>DR. REMBERTO A. PATINDOL</b> VP OF ADMINISTRATION & FINANCE	Approved by: <b>DR. EDGARDO E. TUJAN</b> VP/PRESIDENT	SHEET CONTENTS: MAKE THE LAYOUT	Drawn by: ELIUN Date Started: Aug. 20 Date Finished: Aug. 21	P1 03 SHEET NO. 19 21
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**REVISIONS:**

No.	Date	Description
1		

**DESIGNED BY:** MASTER PLUMBER

**PROJECT TITLE:** PROPOSED (PHASE 2) RENOVATION OF COOPERATIVE BLDG.  
**DESIGNED BY:** DR. DANIEL LESLIE S. TAN

**DETAIL OF SEPTIC TANK**  
 SCALE: 3/8" = 1'-0"

**CHECKED BY:** ENGR. MARIO LILO P. VALENZONA  
**DATE:** DR. DANIEL LESLIE S. TAN

**APPROVED BY:** DR. EDGAR ROE TJULIN  
**DATE:** DR. DANIEL LESLIE S. TAN

INDEX - 01	INDEX - 02
1. 4" Ø NELLETEX SANITARY PVC PIPE S. 1000	A. REINFORCED CHB ASSEMBLY
2. 40 M THK. REINFORCED CONCRETE PLASTERED CHB WALL W/ LIQUID TILE PAINT PREPARATION AND SUN & RAIN PAINT FINISH	B. 10 M THK. REINFORCED CONCRETE SLABS
3. 2" Ø NELLETEX SANITARY PVC PIPE S. 1000	C. 10 MM Ø TEMPERED STEEL BARS SPACED AT 20 M.O.C
4. 120 M. x 220 M. CONCRETE SEPTIC VAULT (SEE DET. OF SEPTIC TANK)	D. 4" Ø NELLETEX SANITARY PVC PIPE S. 1000
5. 1/2" Ø ATLANTA POLYETHYLENE PIPE ISO 6427, SDR 11	E. 10 MM Ø VERTICAL BARS SPACED AT 50 M.O.C
	F. 10 MM Ø HORIZONTAL BARS AT EVERY 2 LAYERS OF CHB

**GENERAL NOTES:**

1. ALL HORIZONTAL PIPES IMPERFECT ALIGNMENT AND A UNIFORM GRADE OF NOT LESS THAN 2% CHANGE IN DIRECTION SHALL BE DONE BY APPROPRIATE USE OF 45° WYE LONG SWEEP QUARTER BENT 8" X 8" OR 6" X 6" BENTS WHEN CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL. A SINGLE 1" & 2" BEND CONNECTION MAY BE USED IN WASTE LINES, TRAP AND GAS LINES MAY BE USED IN VENT PIPES.

2. NO DOUBLE END OR DOUBLE TRAP SEWAGE SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES. THE DRILLING & TAPPING OF HOUSE WASTE OR VENT PIPES AND USED OF SADDLE JOBS AND BENT END ARE PROHIBITED.

3. ALL PLUMBING WORKS SHOULD BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL PLUMBING CODE THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTION OFFICE. PERTINENT PROVISIONS OF THE EXISTING LOCAL BUILDING PERMITS SHALL BE OBSERVED.

4. CLEAN-CUTS ARE REQUIRED UNDER THE FOLLOWINGS:

a. EVERY CHANGE IN HORIZONTAL DIRECTION

b. EVERY CHANGE IN DIRECTION

c. EVERY CHANGE IN ELEVATION

d. EVERY CHANGE IN MATERIAL

e. BEFORE THE HOUSE DRAINAGE.

f. HOUSE BRANCHES IN HORIZONTAL RUN OF PIPE

g. EVERY 10' IN HORIZONTAL RUN OF PIPE

h. AT ANY END OF ANY HORIZONTAL PIPE LINE.

5. THE DIGESTIVE CHAMBER OF ANY SEPTIC VAULT MUST BE NOT LESS THAN 18 INCHES OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND BOTTOM OF THE SEPTIC VAULT.

6. ALL PLUMBING WORKS SHALL BE DONE BY A LICENSED MASTER PLUMBER OR SANITARY ENGINEER AND LICENSED PLUMBING INSPECTOR.

ST	LEGEND:
ST	SEPTIC TANK
---	SEWER LINE
.....	WATER SUPPLY LINE
- - - - -	MAIN SEWER LINE
OO	CLEAN OUT
CV	CHECK VALVE
VM	WATER METER
GV	GATE VALVE
VTR	VENT THRU ROOF
T & B	TOILET & BATH
F	FALCET
WC	WATER CLOSET
FD	FLOOR DRAIN
LAV	LAVATORY
KSK	KITCHEN SINK

**SHEET CONTENTS:**

Drawn by: ELION

Checked by: ELION

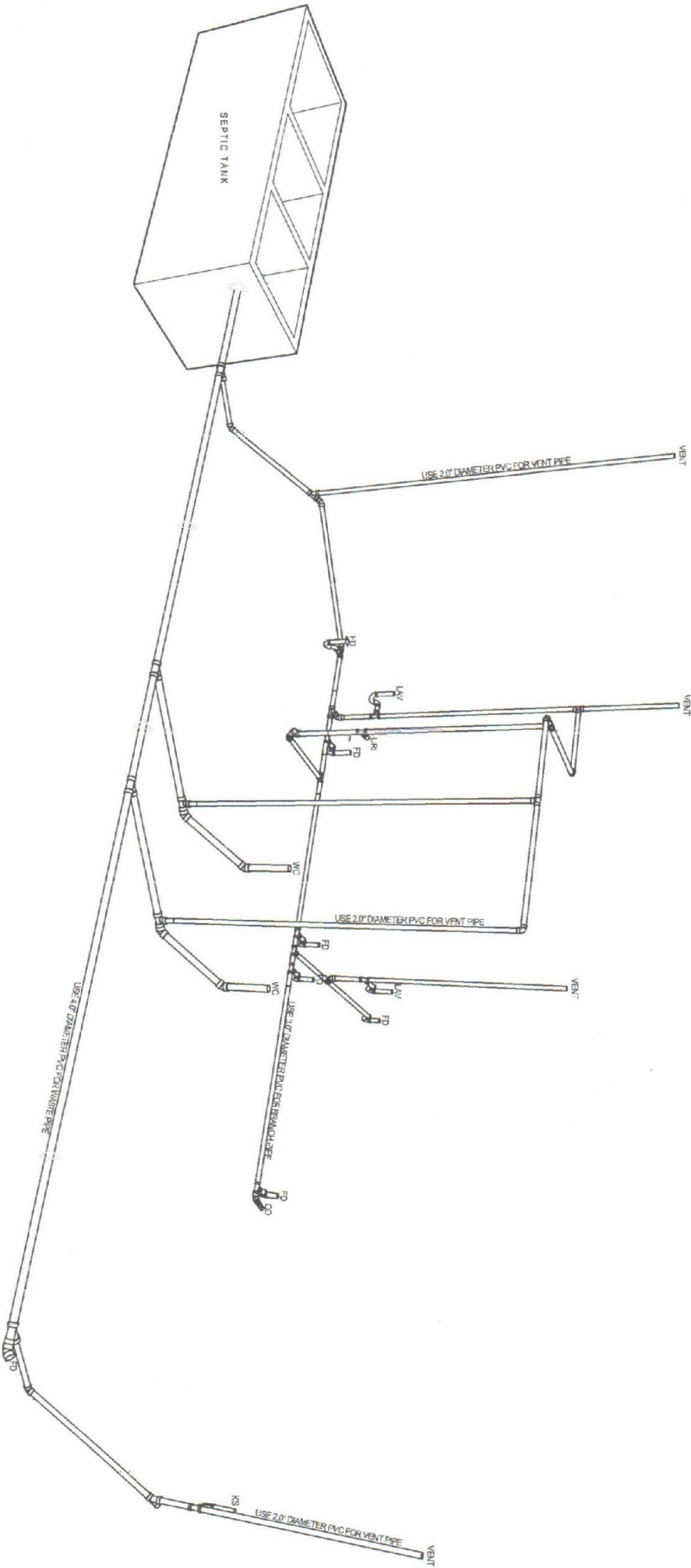
Date Started: Aug. 20

Date Finished: Oct. 21



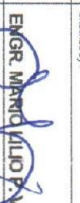


P2 03

SHEET NO.

20 21



**ISOMETRIC LAYOUT**  
N.D.T'S

	TIN : RQC : JTR : Date : PLSS :	Design by :  MASTER PLUMBER	Project Title : <b>"PROPOSED"</b> (PHASE 01) <b>RENOVATION OF COOPERATIVE BLDG.</b>	Checked by :  <b>DR. DANIEL LESLIE S. TAN</b> <small>DRS (C/COMP)</small>	Checked by :  <b>ENGR. MARIO ALIDO P. VALENZONA</b> <small>DRS (C/ESD)</small>	Visad by :  <b>DR. REMBERTO A. PATINDOL</b> <small>DRS (C/ADMINISTRATIVE AFFAIRS)</small>	Approved by :  <b>DR. EDGARDO E. TULUN</b> <small>USA PRESIDENT</small>	SHEET CONTENTS: ISOMETRIC LAYOUT	Designed by : ELVON Date Started : Aug 20 Date Finished : Apr 21	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center; margin-right: 5px;">P3</div> <div style="text-align: center; margin-right: 5px;">03</div> </div> SHEET NO. <b>21 21</b>
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