



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
Telephone: (042) 567-5952  
Email: bac@rsu.edu.ph  
Website: rsu.edu.ph



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## BID BULLETIN

### Clarification No. 2

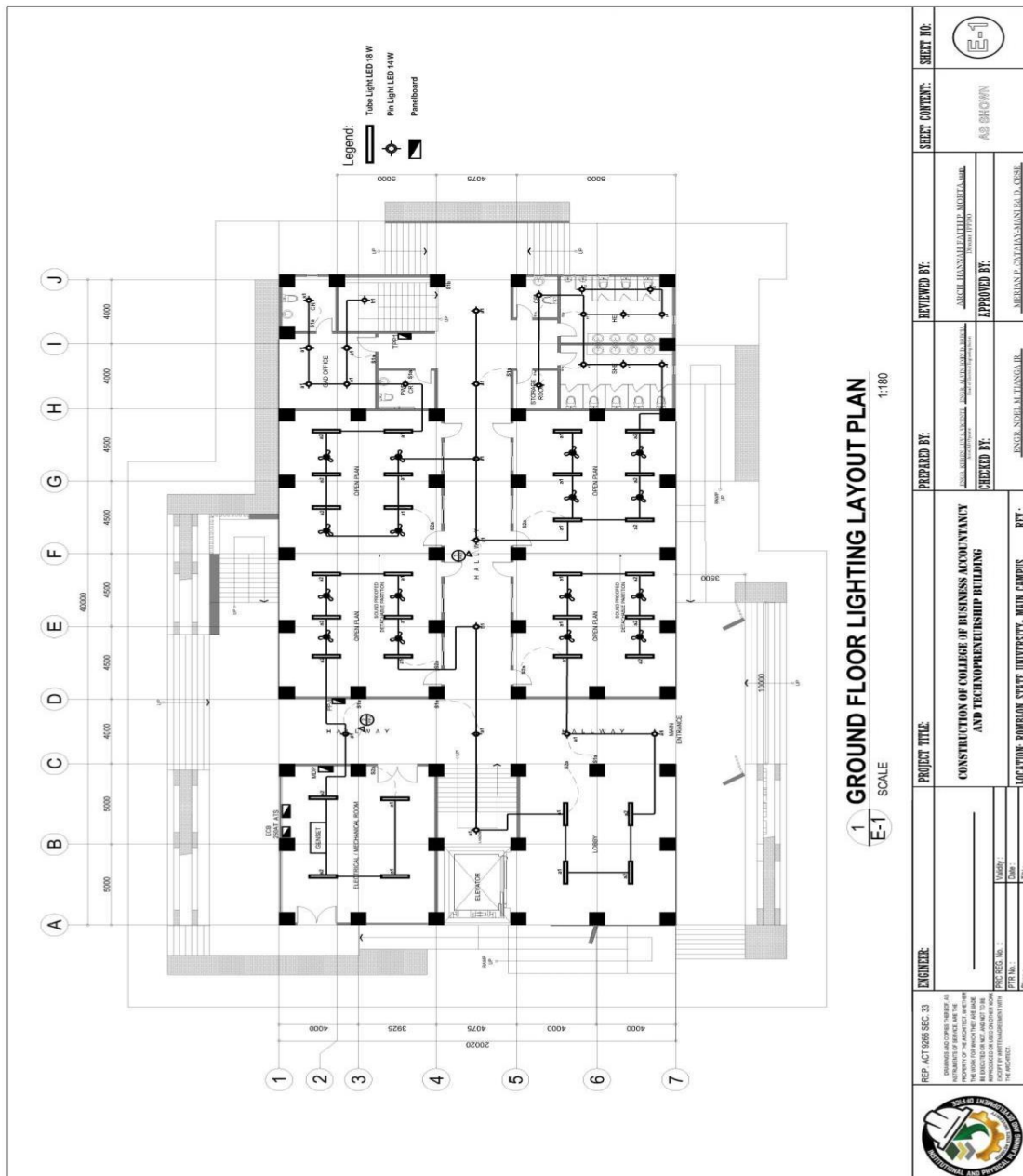
Solicitation No.: RSU-2025-01-003-EPA

- TO** : All Prospective Bidders
- SUBJECT** : Change/Modification of the Electrical Plan in all attached/associated documents in the Philippine Bidding Documents (PBDs)
- DATE** : 02 December 2024

This Bid Bulletin is issued to inform all prospective bidders of the change/modification of the Electrical Plan in all attached/associated documents in the PBDs. Please take notice of these changes.

### EARLY PROCUREMENT OF CONSTRUCTION OF COLLEGE OF BUSINESS, ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING, MAIN CAMPUS (ABC: PhP25,000,000.00)

#### FROM





# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

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**Legend:**

- Tube Light LED 18 W
- Pin Light LED 14 W
- Panelboard

**1 SECOND FLOOR LIGHTING LAYOUT PLAN**  
SCALE: 1:180

ENGINEER:	PROJECT TITLE:	PREPARED BY:	REVIEWED BY:	SHEET CONTENT:	SHEET NO.:
REP. ACT 9296 SEC. 33 DRAWINGS AND COPIES THEREOF AS AUTHORIZED BY ARCHITECT ARE THE PROPERTY OF ARCHITECT AND SHALL BE EXCLUDED OR NOT, AND NOT TO BE REPRODUCED OR USED IN CONNECTION WITH THE PROJECT.	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREPREUNSHIP BUILDING</b>	JENGER NOEL M. LANGGA JR. Title: Team Participant	ARCEL HANNAH FAITH P. AGORTA, BBL Title: IPIPIO	AS SHOWN	E-2
PROJ. REC. No. 1 PTR No. 1 Plan 1	<b>LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS</b>	JENGER NOEL M. LANGGA JR. Title: Team Participant	MERIAN P. CATARA-MANLEL D. CUSE Title: Team Participant		

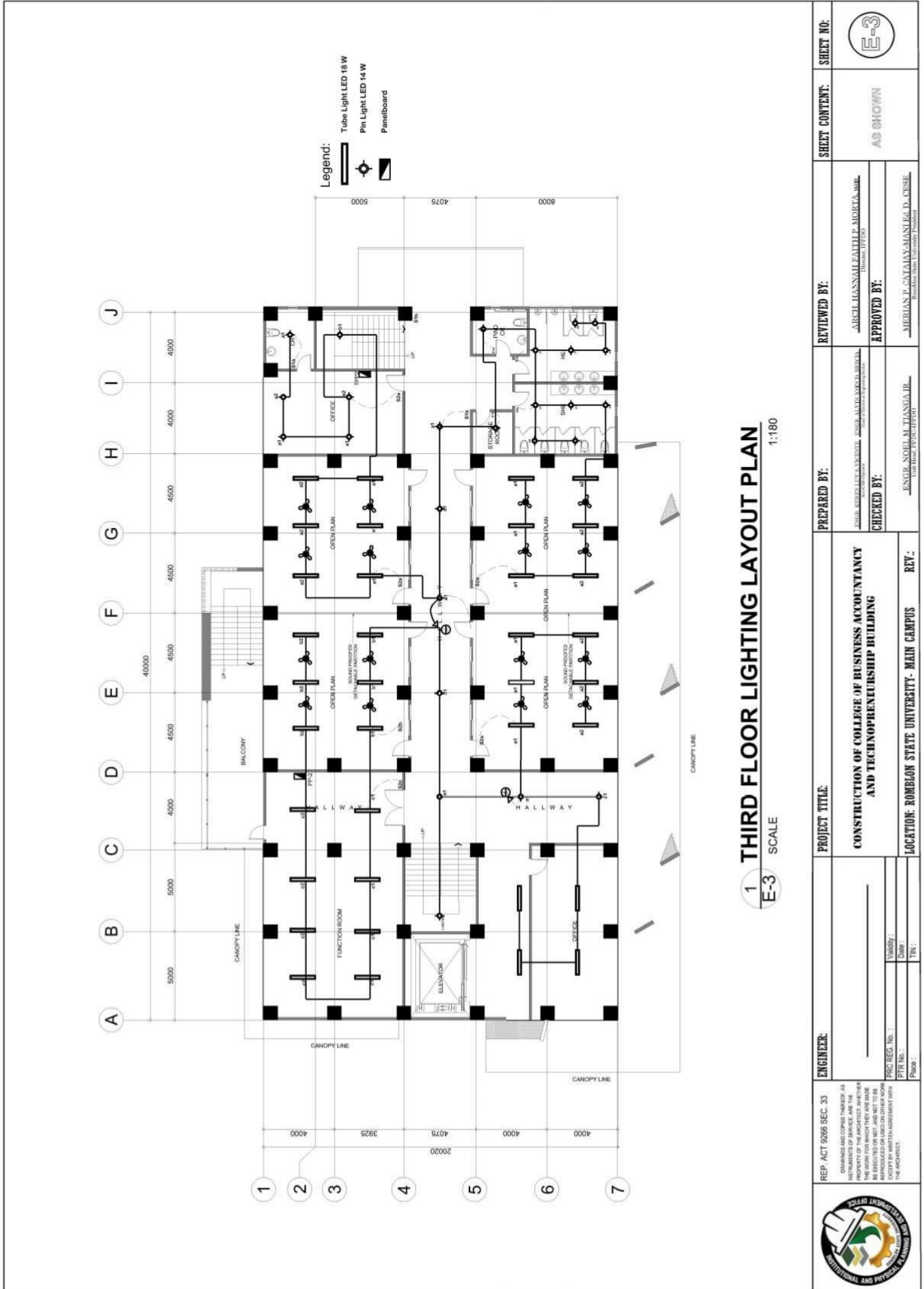


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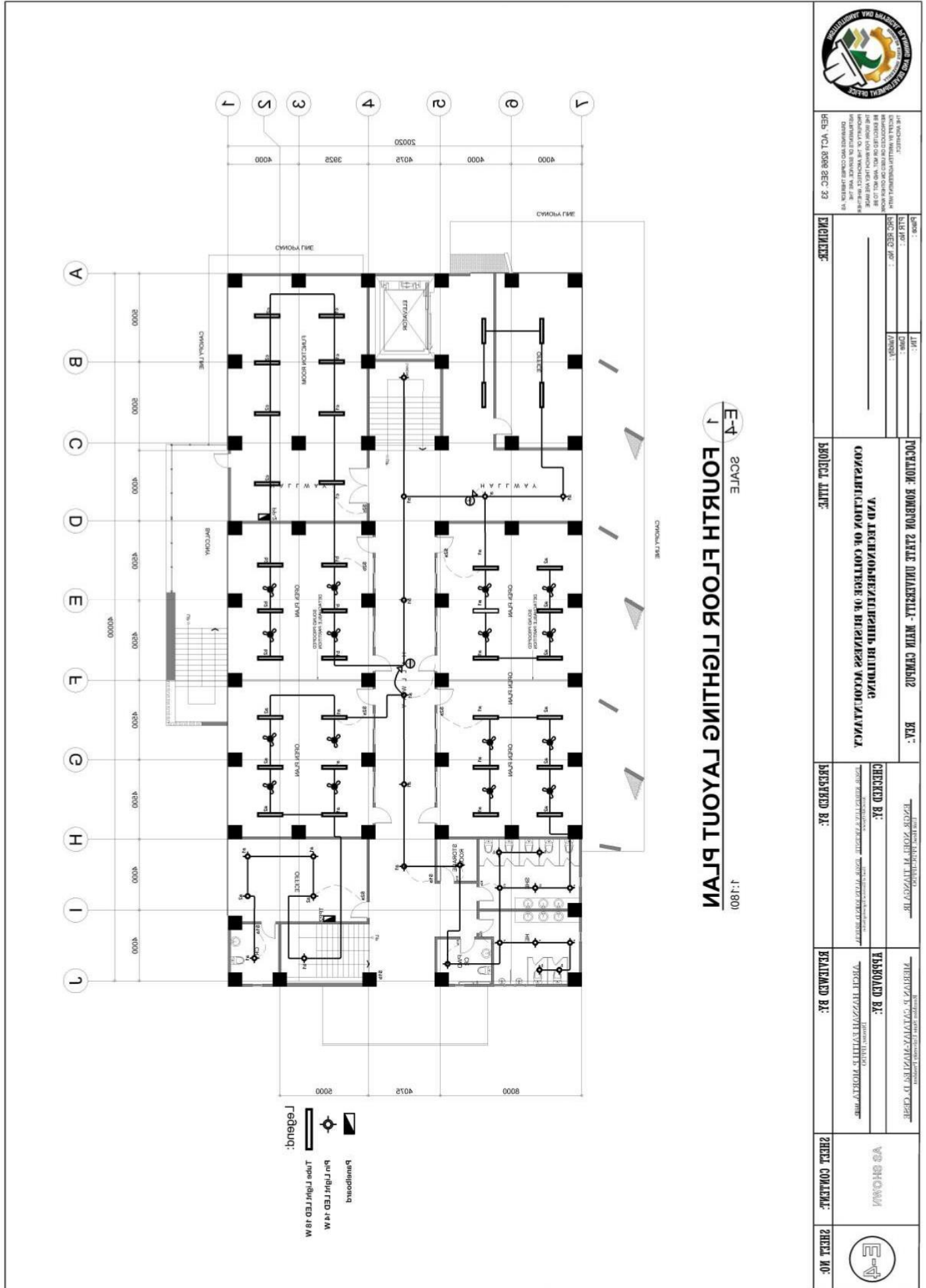
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	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES.	PROJECT: ROMBLON STATE UNIVERSITY - MAIN CAMPUS AREA:	CHECKED BY:	APPROVED BY:	SHEET CONTENT:	SHEET NO:
	REP: VOL 0598 SEC 23	PROJECT TITLE:	DRAWN BY:	PROJECT TITLE:	PROJECT TITLE:	PROJECT TITLE:

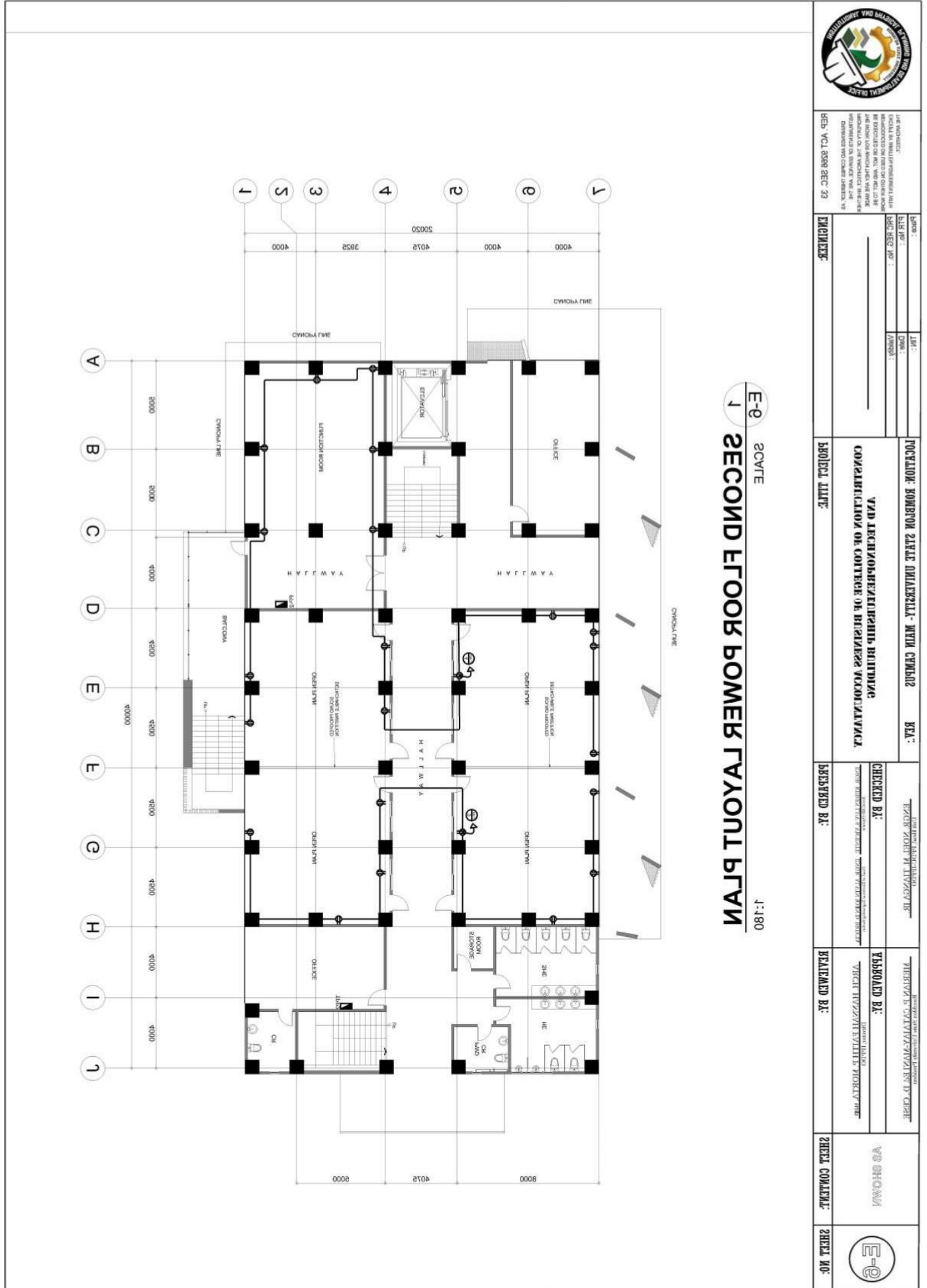


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**E-0**  
 SCITE  
**1 SECOND FLOOR POWER LAYOUT PLAN**  
 1:180

 REP. VOL. 8588 SEC. 33	DATE: _____ PREPARED BY: _____ CHECKED BY: _____ APPROVED BY: _____	POSITION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS AREA: _____ CHECKED BY: _____ APPROVED BY: _____	PROJECT NAME: <b>UPD LINGKOP-BAYELANGHANG BUILDING                  CONSTRUCTION OR COLLEGE OR BUSINESS ACCOMMODATION</b>	SHEET NO.: <b>E-0</b>
	PROJECT NO.: _____ DATE: _____ APPROVED BY: _____	PROJECT NAME: <b>UPD LINGKOP-BAYELANGHANG BUILDING                  CONSTRUCTION OR COLLEGE OR BUSINESS ACCOMMODATION</b>	SHEET NO.: _____	SHEET NO.: _____



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

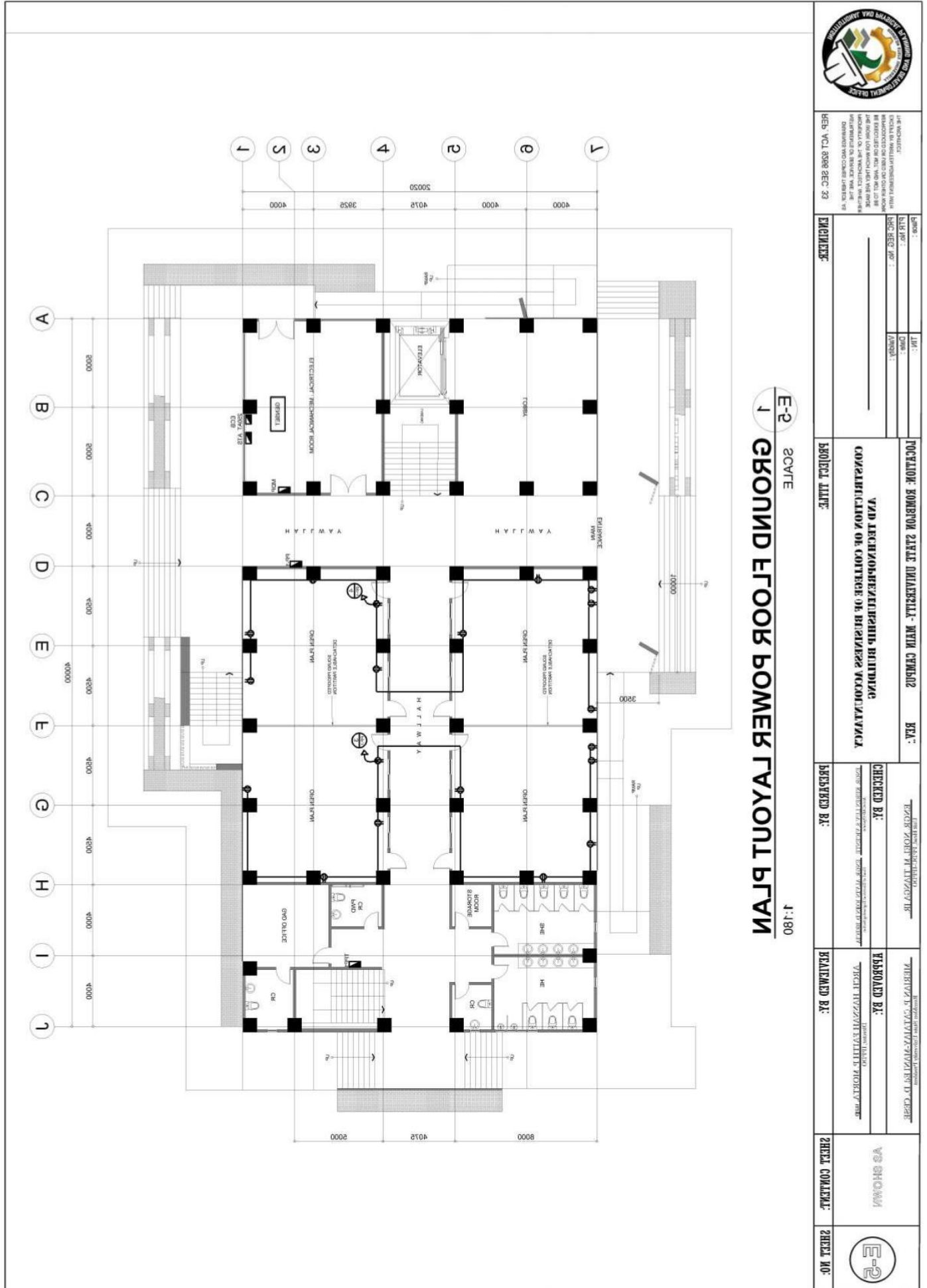
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REPUBLIC OF THE PHILIPPINES  
 ROMBLON STATE UNIVERSITY  
 BIDS AND AWARDS COMMITTEE  
 REG. VOL. 8598 SEC. 32

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT NAME: \_\_\_\_\_

**E-2**  
**1**

**GROUND FLOOR POWER LAYOUT PLAN**  
 SCALE: 1:180

POSITION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
 REL.: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT NAME: CONSTRUCTION OF CONFERENCE OR BUSINESS WORKSHOP BUILDING

DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT NAME: CONSTRUCTION OF CONFERENCE OR BUSINESS WORKSHOP BUILDING

SHEET NO.: \_\_\_\_\_  
 SHEET COUNT: \_\_\_\_\_  
**E-2**



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

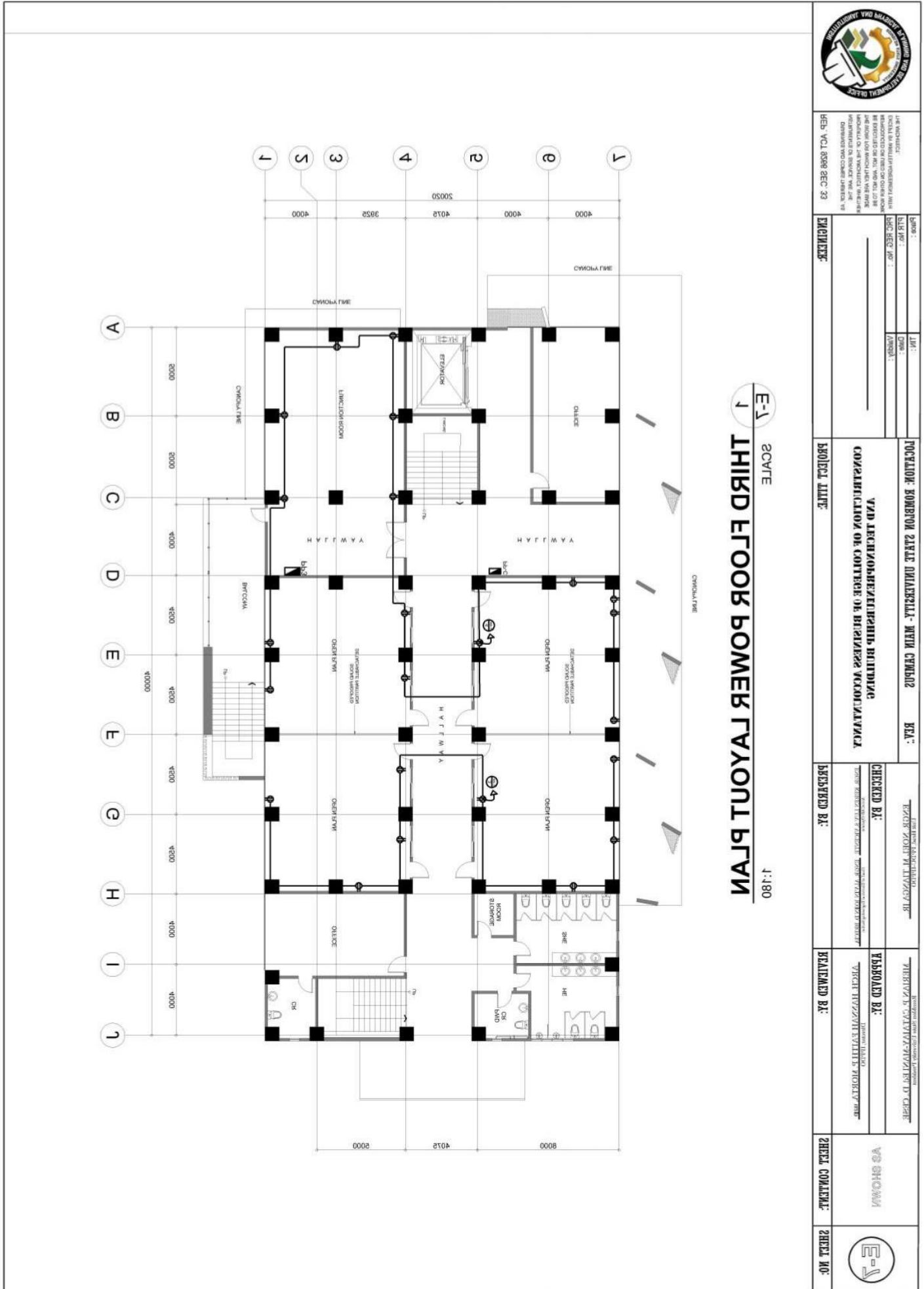
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**E-1**  
**1**  
**SCALE**  
**THIRD FLOOR POWER LAYOUT PLAN**  
**1:180**



REVISIONS:  
 REVISION NO. DATE BY  
 1. 01/15/2024 JAC

DATE: 01/15/2024  
 PROJECT: COMMUNITY OUTREACH CENTER

PROJECT: COMMUNITY OUTREACH CENTER  
 LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS

PROJECT TITLE: COMMUNITY OUTREACH CENTER  
 CONSULTANT: ROMBLON STATE UNIVERSITY

CHECKED BY: JAC  
 DRAWN BY: JAC

APPROVED BY: JAC  
 DATE: 01/15/2024

SHEET CONTENT: COMMUNITY OUTREACH CENTER  
 SHEET NO: E-1



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

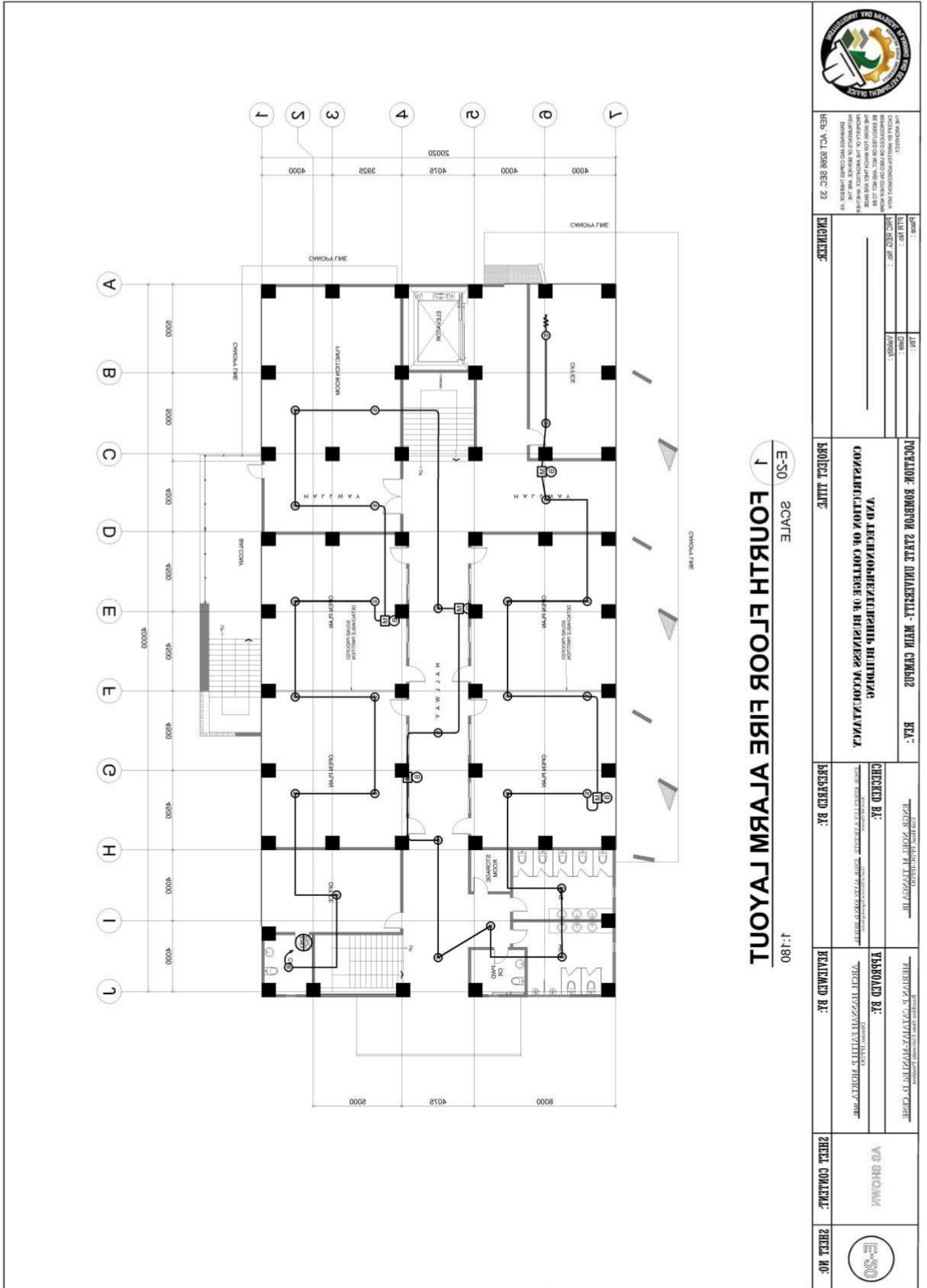
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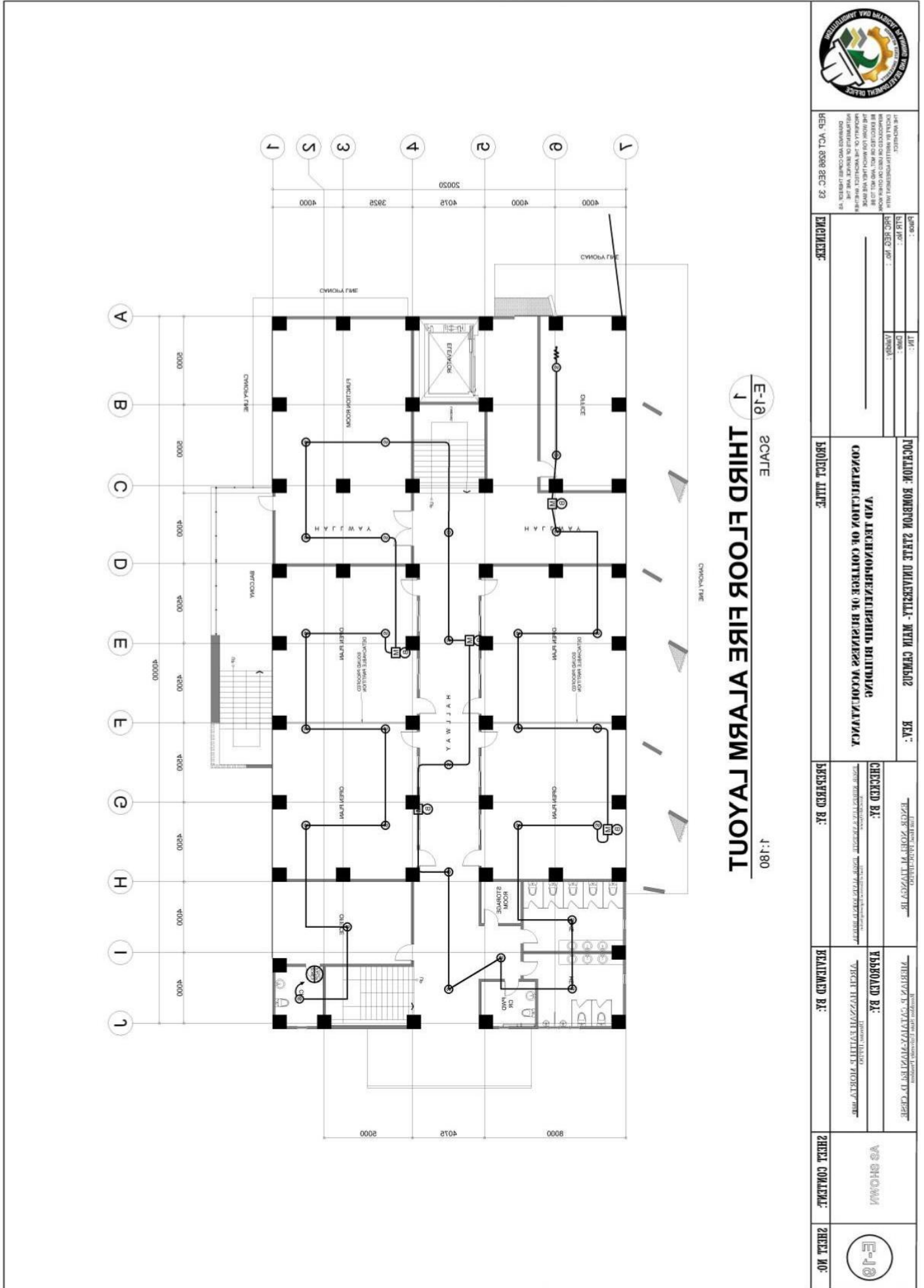


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E-10  
 SCALE  
 1  
**THIRD FLOOR FIRE ALARM LAYOUT**  
 1:180

		REVISIONS: NO. DATE BY 1 05/20/2024 JAC		REVISIONS: NO. DATE BY 1 05/20/2024 JAC	
PROJECT NO.: 2024-001	PROJECT NAME: COMMUNICATIONS CENTER BUILDING	CHECKED BY: JAC	DESIGNED BY: JAC	APPROVED BY: JAC	DATE: 05/20/2024
PROJECT NO.: 2024-001	PROJECT NAME: COMMUNICATIONS CENTER BUILDING	CHECKED BY: JAC	DESIGNED BY: JAC	APPROVED BY: JAC	DATE: 05/20/2024
PROJECT NO.: 2024-001	PROJECT NAME: COMMUNICATIONS CENTER BUILDING	CHECKED BY: JAC	DESIGNED BY: JAC	APPROVED BY: JAC	DATE: 05/20/2024



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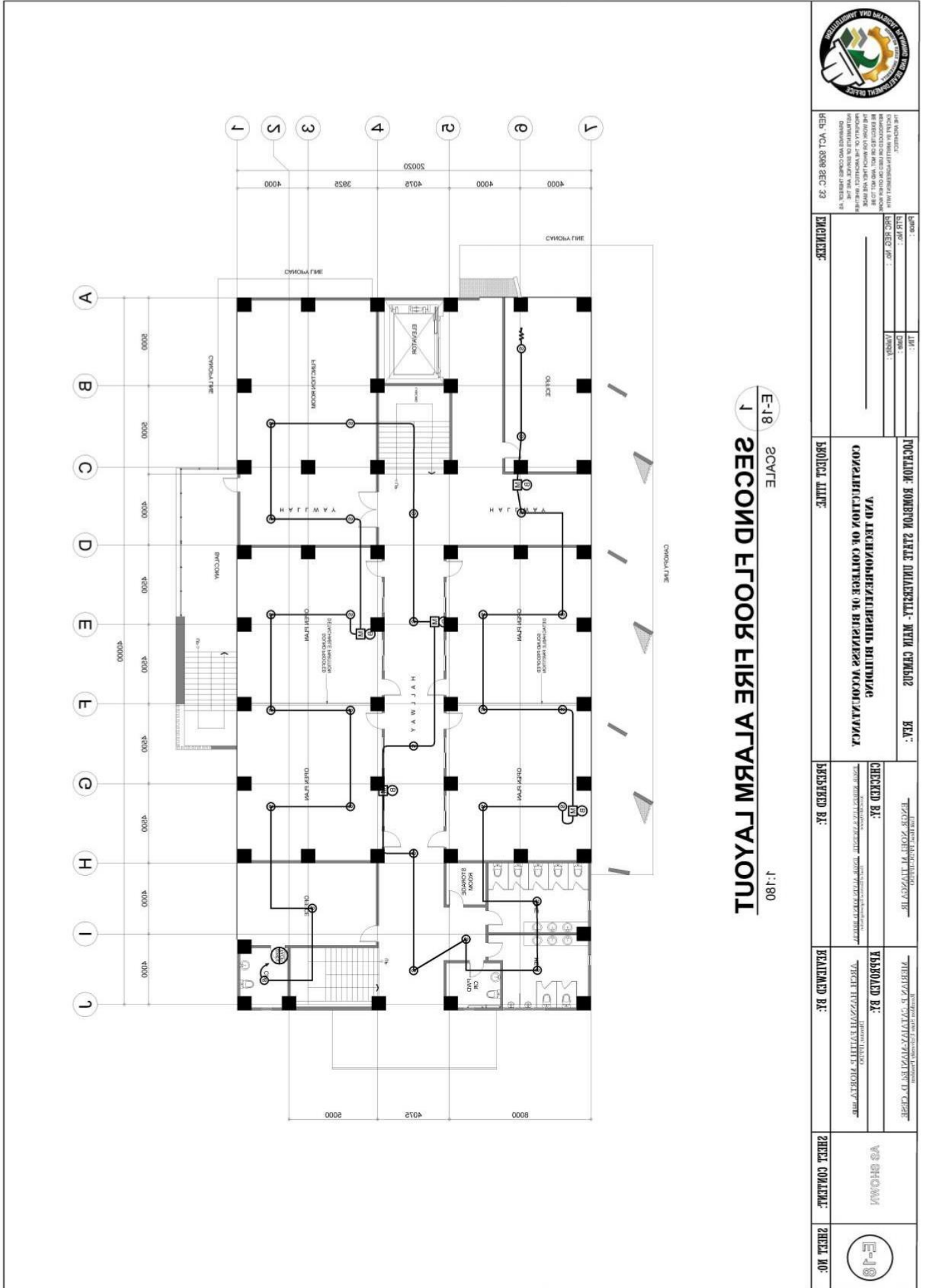
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REPUBLIC OF THE PHILIPPINES  
 PROFESSIONAL ENGINEER  
 REGISTRATION NO. 123456789  
 REGISTERED ELECTRICAL ENGINEER  
 DEE VCL 8588 SEC. 33

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 PROJECT TITLE: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_

LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
 PROJECT TITLE: **VAD ARCHITECTURAL BUILDING CONSTRUCTION OF COLLEGE OF BUSINESS ADMINISTRATION**  
 REVISION: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 REVIEWED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
 REGISTERED ELECTRICAL ENGINEER  
 REVISION: \_\_\_\_\_

SHEET CONTENT: AS SHOWN  
 SHEET NO: **E-18**

**E-18** SCALE **1:180**  
**1 SECOND FLOOR FIRE ALARM LAYOUT**



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

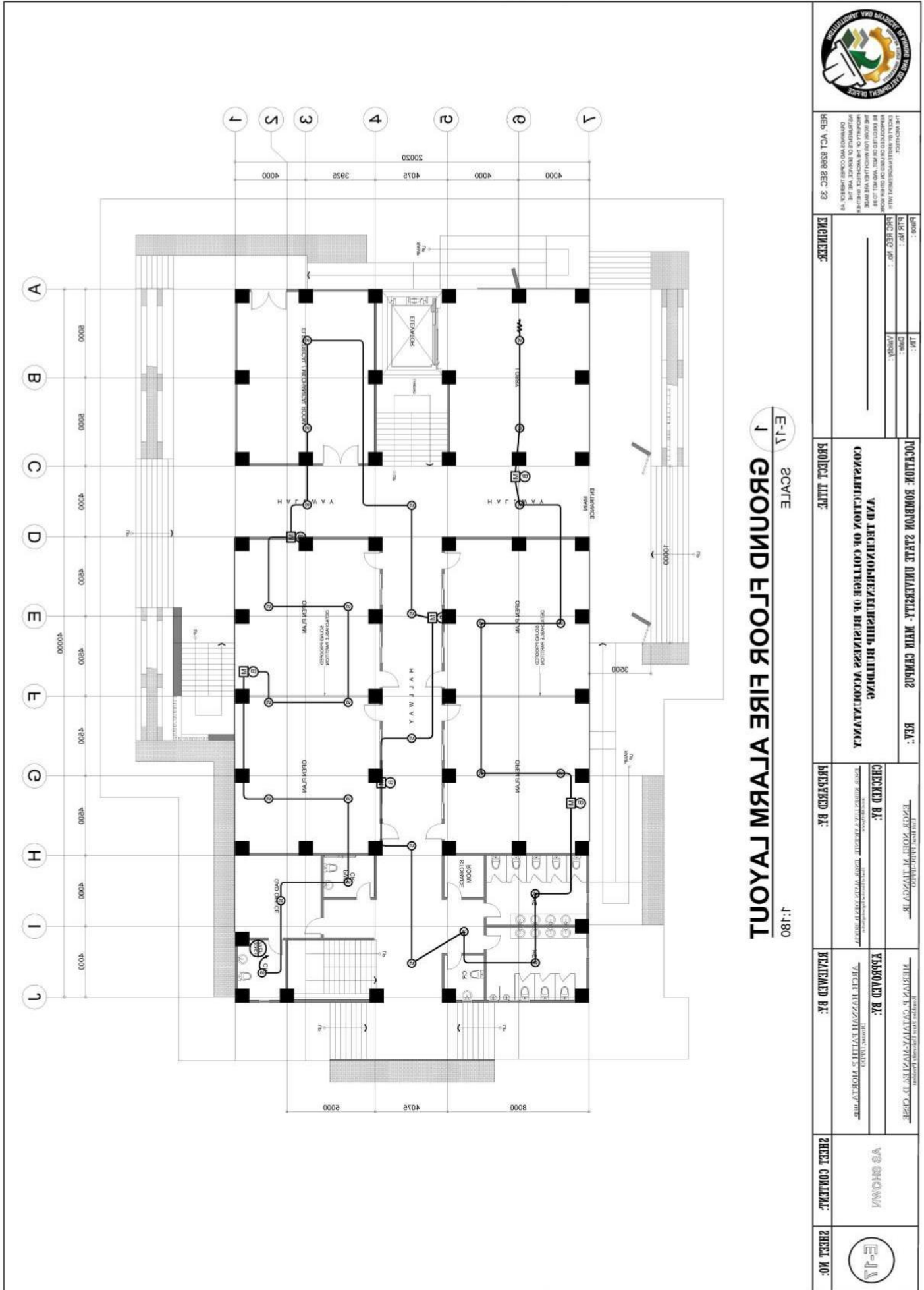
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REF: VCL 8598 SEC. 23	DATE: _____ REV. NO.: _____ REV. DATE: _____ ENGINEER: _____	PROJECT: <b>ROMBLON STATE UNIVERSITY - MAIN CAMPUS</b> LOCATION: <b>VAW TECHNOLOGY/ENGINEERING BUILDING</b> CONSULTATION OF CONTRACTOR OF BUSINESS VALUATION/VALUAS	CHECKED BY: _____ DRAWN BY: _____ DESIGNED BY: _____
PROJECT TITLE: _____	PREPARED BY: _____	REVISIONS: _____ REVISION NO.: _____ REVISION DATE: _____	REVISIONS: _____ REVISION NO.: _____ REVISION DATE: _____
SHEET CONTENT: <b>VS SHOW/1</b>	SHEET NO.: <b>E-11</b>	CHECKED BY: _____ DRAWN BY: _____ DESIGNED BY: _____	CHECKED BY: _____ DRAWN BY: _____ DESIGNED BY: _____



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

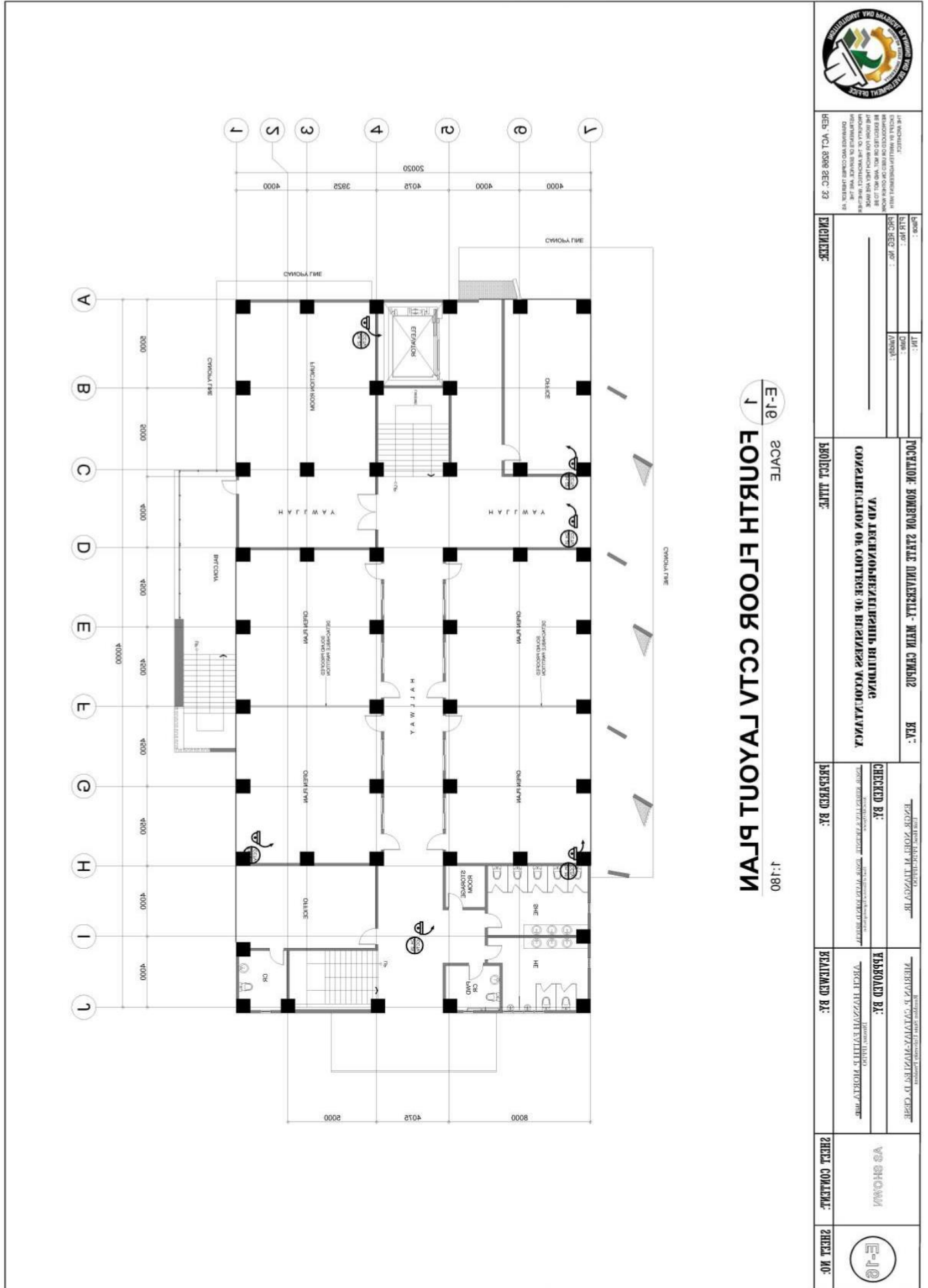
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REP: VCL 8588 DEC 33

DATE: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_  
 PROJECT TITLE: \_\_\_\_\_

LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
 PROJECT TITLE: **YAN TECHNOLUPULUPUNIB BUIDING**  
**CONSTRUKSIYON DE COLLEGE DE BUSINESS YKONDUKASYON**

CHECKED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_

REVISIONS BY: \_\_\_\_\_

SHEET CONTENT: **AS SHOWN**  
 SHEET NO: **E-10**

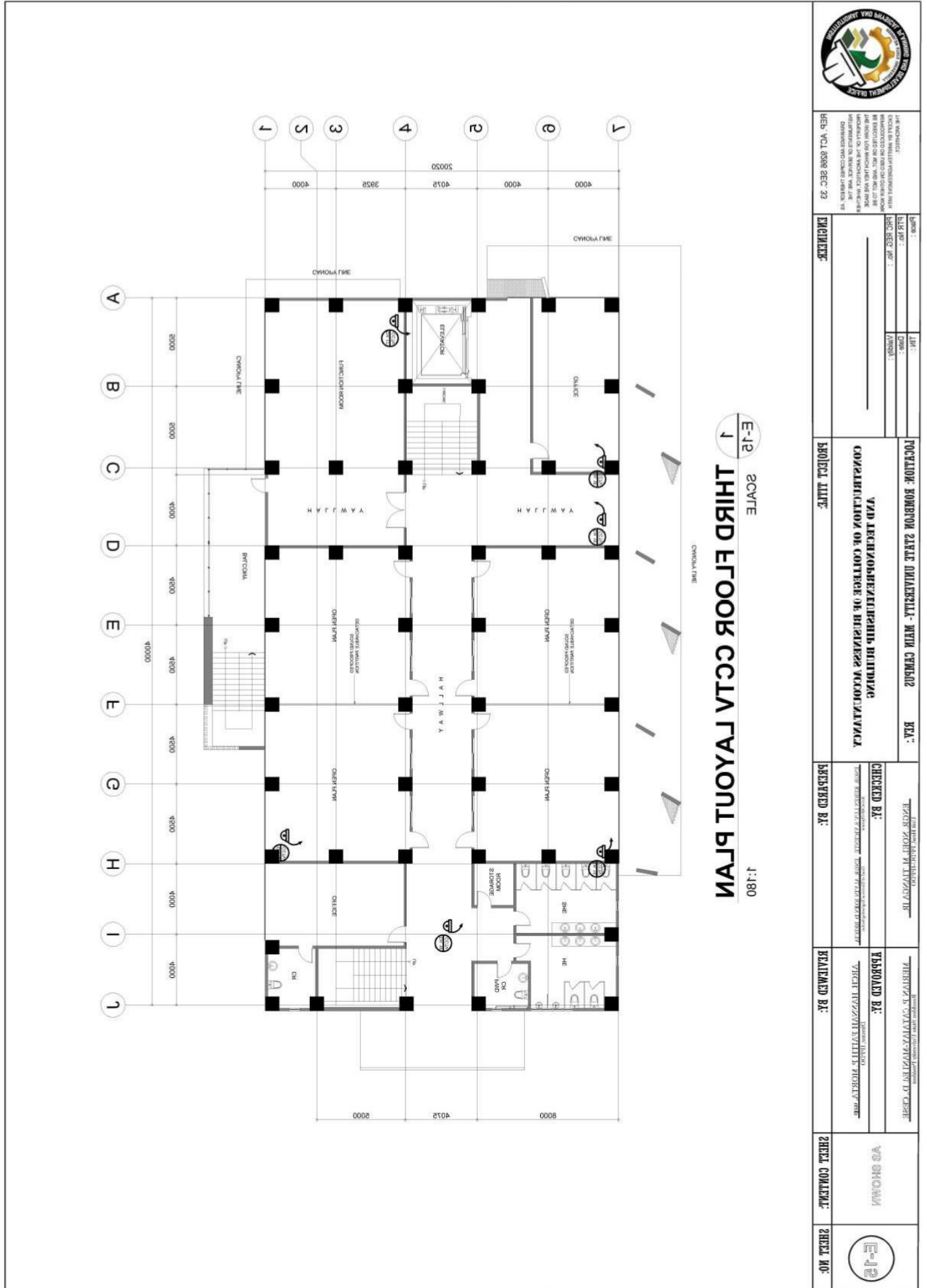


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DATE SUBMITTED: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT NO.: \_\_\_\_\_

PROJECT TITLE: **POCATION KOMRON STATE UNIBERSITY - WITH CEMENAS**  
 AND ARCHITECTURE BUILDING  
 CONSISTING OF OFFICE OF BUSINESS ADMINISTRATION

PROJECT NO.: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_

PROJECT TITLE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_

PROJECT TITLE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_

PROJECT TITLE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_



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REP: VCL 8588 SEC 33

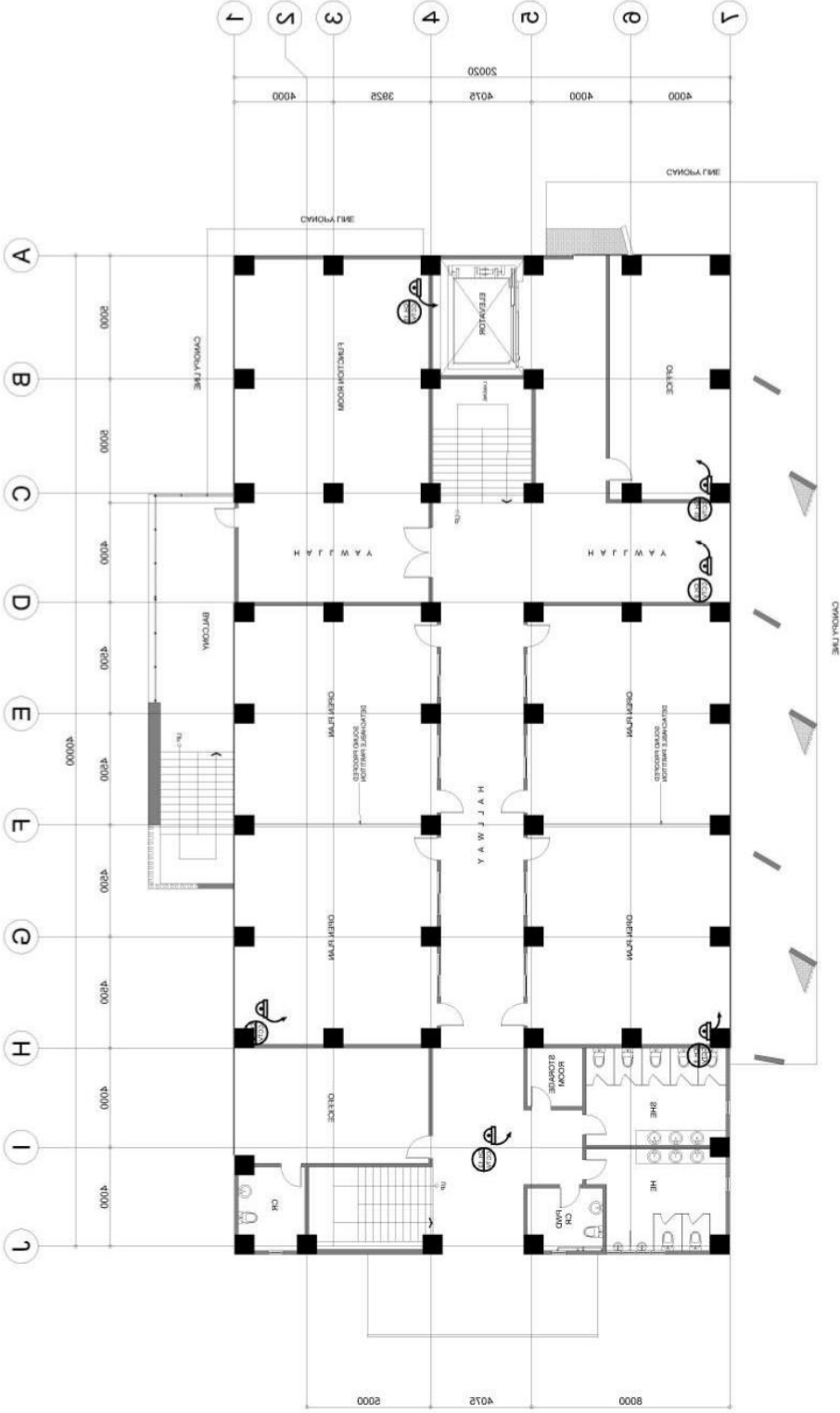
Project: \_\_\_\_\_  
Site: \_\_\_\_\_  
Contract No.: \_\_\_\_\_  
Contract Value: \_\_\_\_\_

POSITION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
PROJECT NAME: **УВАД ЛЕСНОКОМПЛЕКСНОГО ПОСТРОЕНИЯ КОНСУЛЬТАЦИОННОГО ЦЕНТРА НА КАМПУСЕ НАСКОМАЛИВАСА**  
PROJECT DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

DATE COMPLETED: \_\_\_\_\_  
DATE NO. **E-14**



**E-14** 2CVTE  
**1 SECOND FLOOR CEILING LAYOUT PLAN**  
1:180



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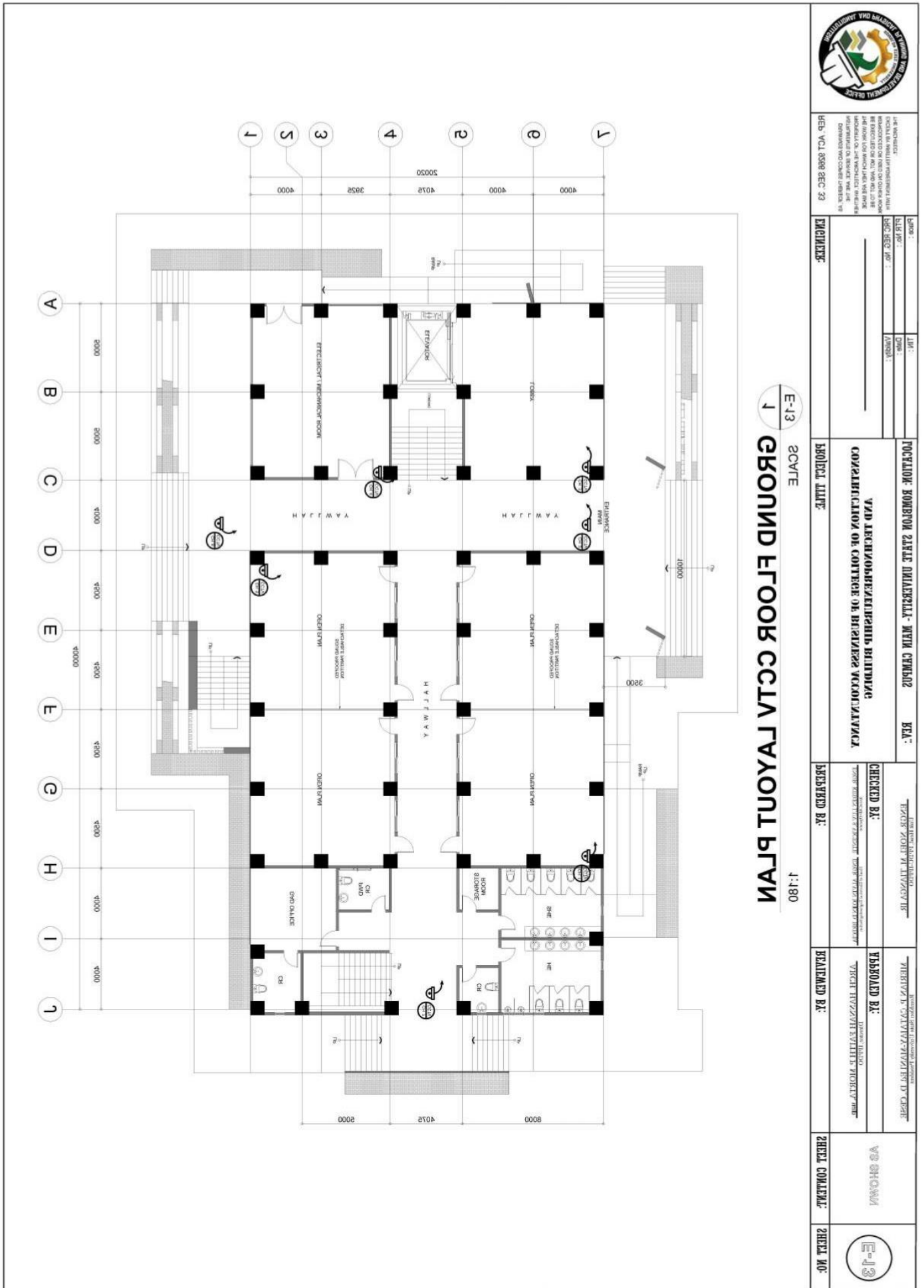
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LET NOTICE:  
BIDDING FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF THE ELECTRICAL SYSTEM FOR THE FOURTH FLOOR EMERGENCY EXIT LIGHT LAYOUT OF THE COMMUNITY OUTREACH CENTER, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505.

REP: VCL 8598 SEC 33

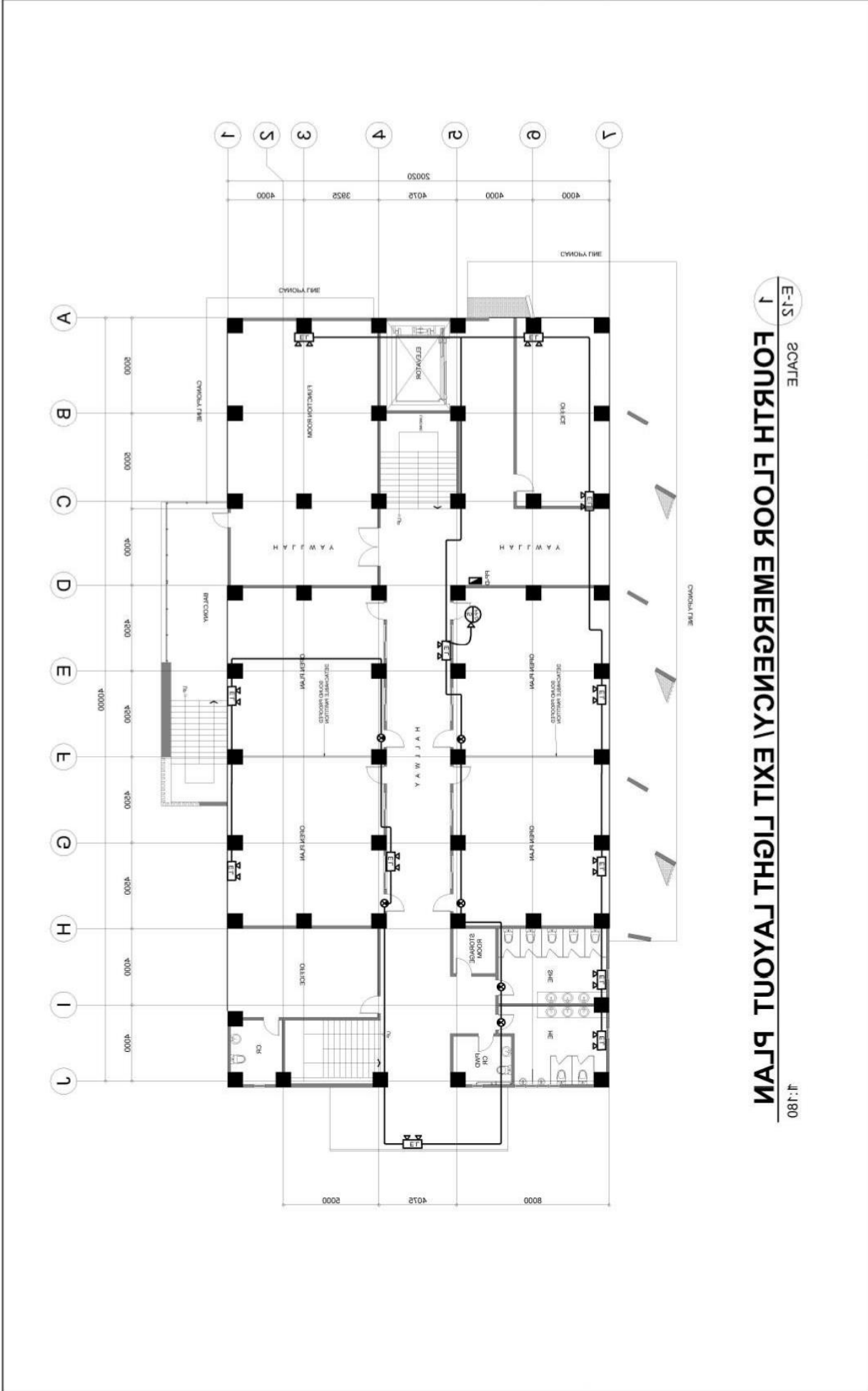
DATE: \_\_\_\_\_  
PROJECT NO: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_

POSITION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
PROJECT TITLE: SUPPLY, INSTALLATION AND MAINTENANCE OF THE ELECTRICAL SYSTEM FOR THE FOURTH FLOOR EMERGENCY EXIT LIGHT LAYOUT OF THE COMMUNITY OUTREACH CENTER, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505.

CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_  
PROJECT NO: \_\_\_\_\_

VS SHOWN  
SHEET NO: \_\_\_\_\_



E-15 SCALE  
1 FOURTH FLOOR EMERGENCY EXIT LIGHT LAYOUT PLAN  
1/480





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REP. VOL. 0298 SEC. 33  
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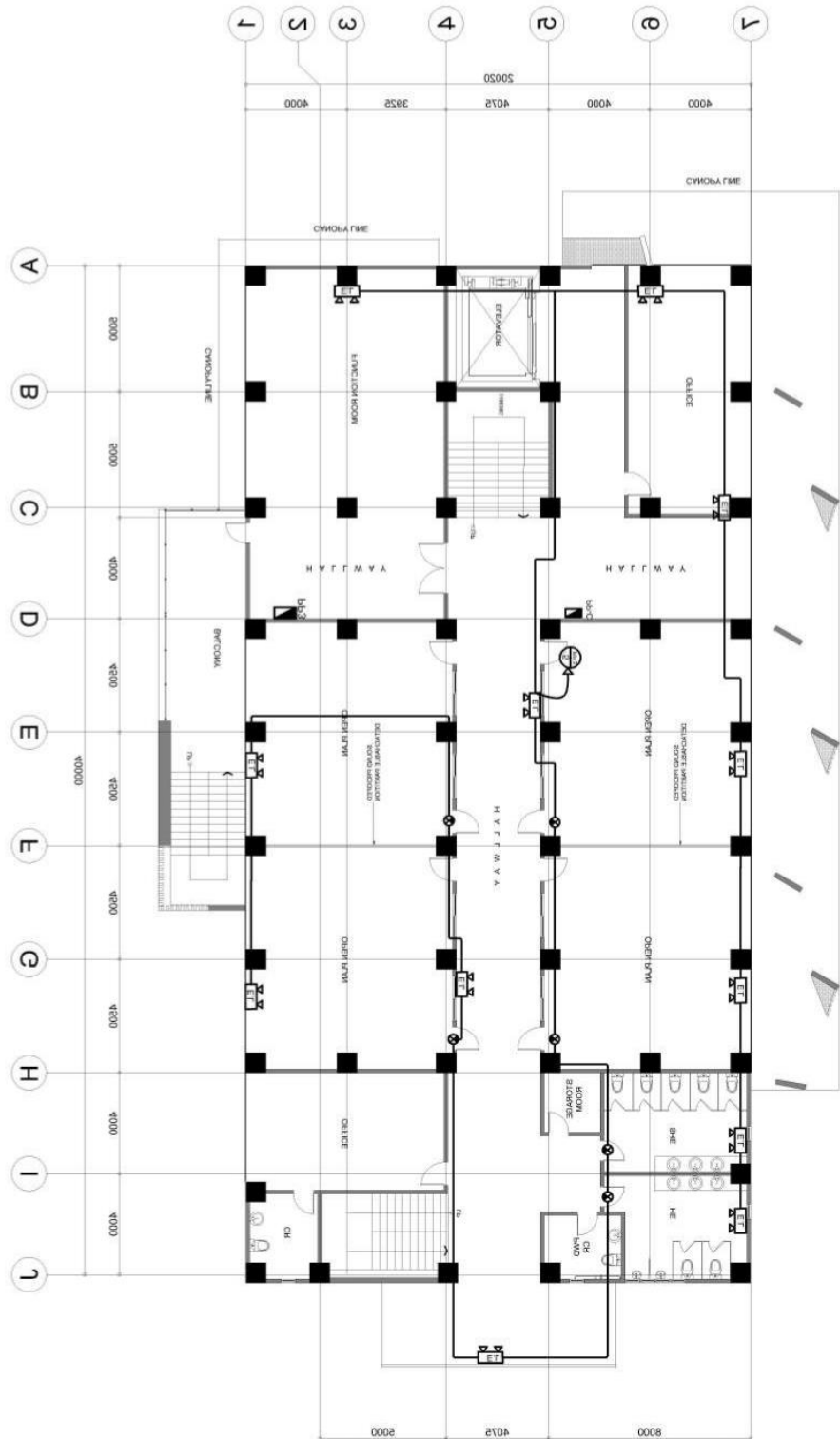
DATE: \_\_\_\_\_  
 TIME: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_

LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
 PROJECT TITLE: **YAN TECHNOLÒHEPIKUPANIB BULDING**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ADMINISTRATION**

CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 REVIEWED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
 PROJECT MANAGER: \_\_\_\_\_

SHEET CONTENT: **AS SHOWN**  
 SHEET NO: **(E-11)**



**E-11** SCALE  
**1**  
**THIRD FLOOR EMERGENCY EXIT LIGHT LAYOUT PLAN**  
 1:180



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REP VCL 8398 SEC 33  
 THE ENGINEER'S RESPONSIBILITY AND LIABILITY INSURANCE POLICY IS EXTENDED TO COVER THE DESIGN AND CONSTRUCTION OF THE PROJECT UNDER THE PROFESSIONAL ENGINEER'S SIGNATURE.

DATE: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

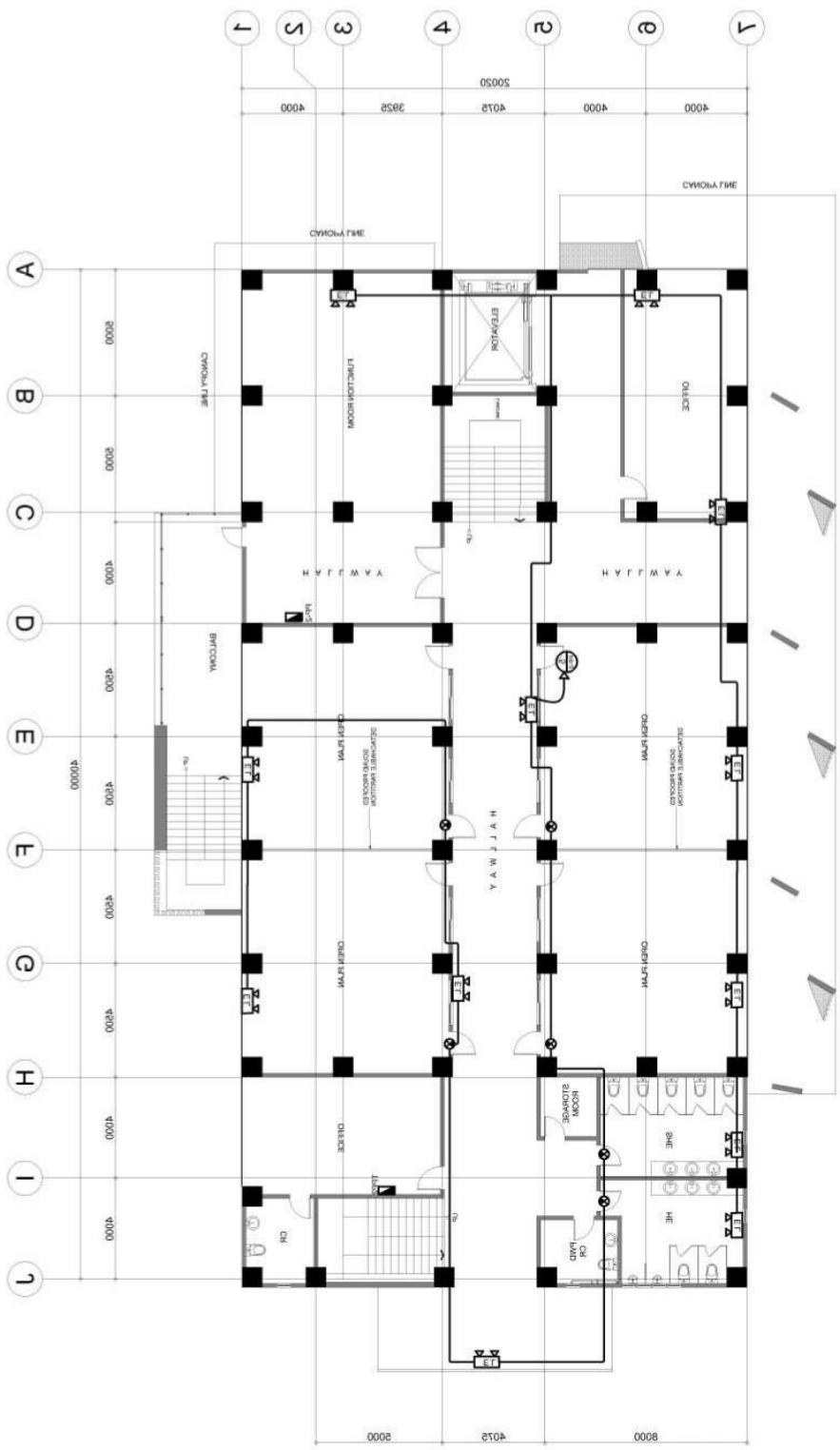
POSITION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS  
 PROJECT TITLE: **CONSTRUCTION OF COLLEGE OF BUSINESS ADMINISTRATION**

CHECKED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_

SHEET CONTENT: **AS SHOWN**

SHEET NO: **E-10**



**E-10** SCALE  
**1 SECOND FLOOR EMERGENCY EXIT FIGHT LAYOUT PLAN**  
 1:180



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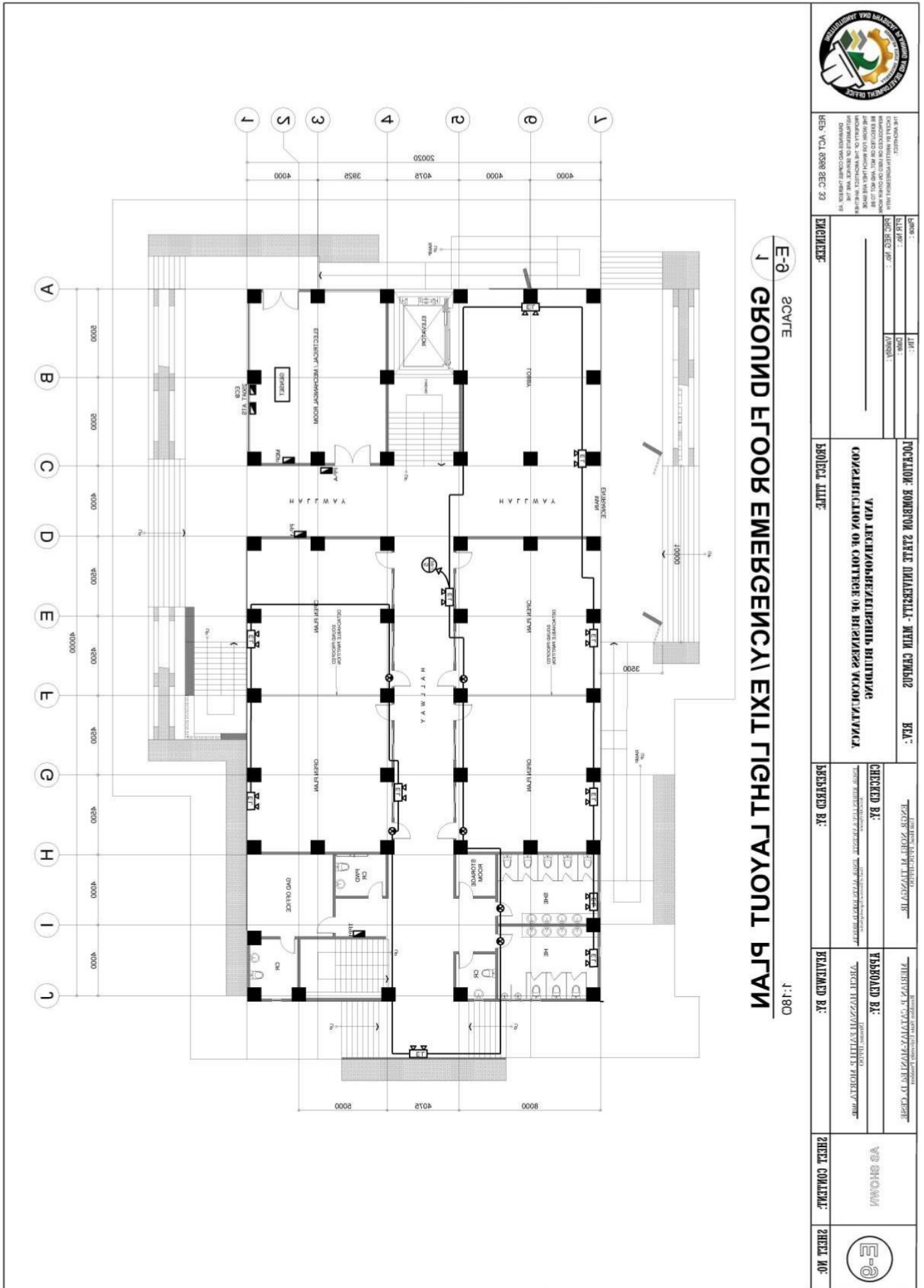
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Email: bac@rsu.edu.ph  
Website: rsu.edu.ph



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		DATE: _____ DRAWN BY: _____ CHECKED BY: _____ PROJECT DATE: _____	
LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS PROJECT TITLE: <b>VAD ARCHITECTURAL DESIGN BUILDING CONSTRUCTION OF COLLEGE OF BUSINESS ADMINISTRATION</b>		CHECKED BY: _____ PREPARED BY: _____	
REVISIONS: _____ REVISIONS: _____		APPROVED BY: _____ APPROVED BY: _____	
SHEET CONTENT: <b>AS SHOWN</b>		SHEET NO.: <b>E-0</b>	



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REP: VCL 8598 REC: 23

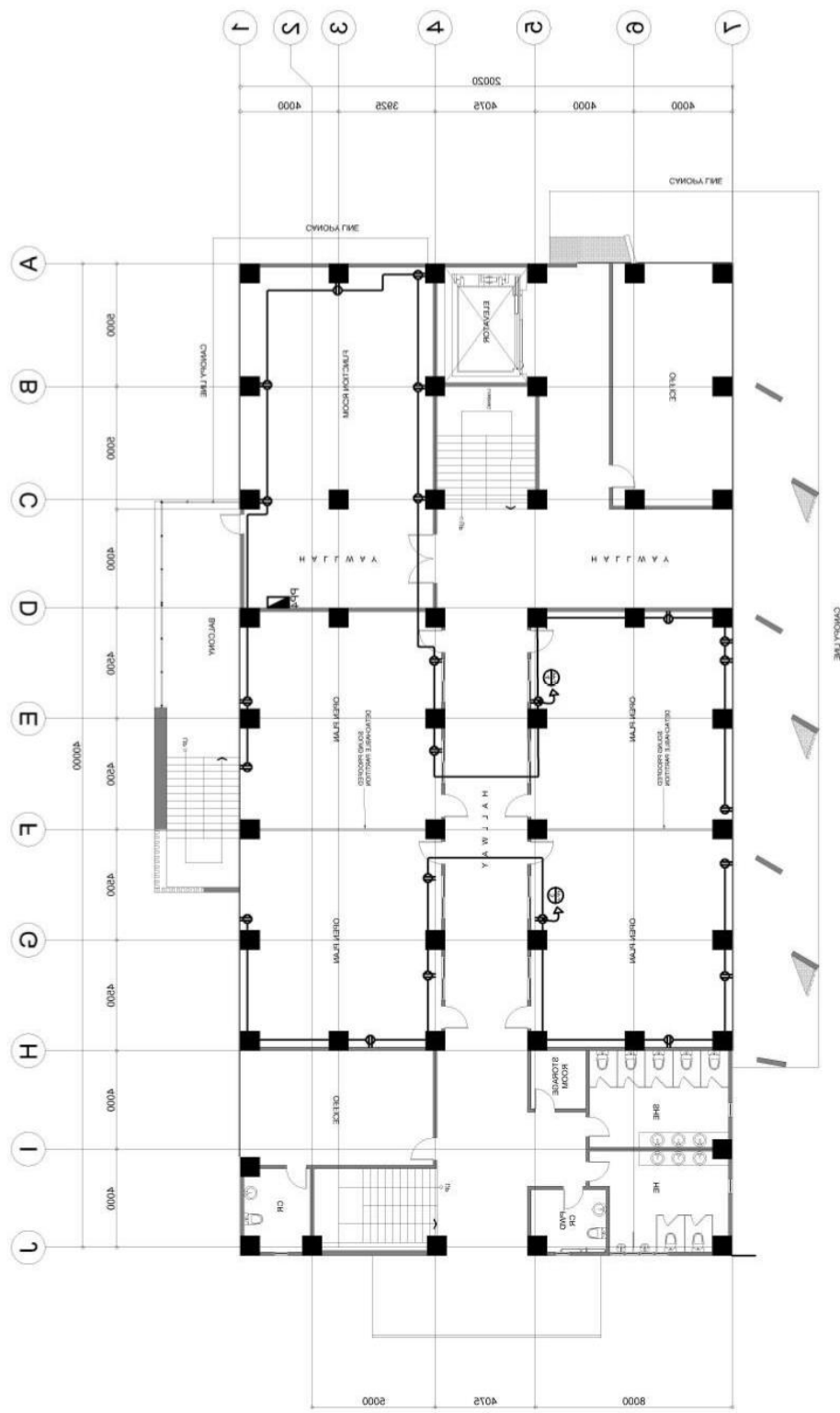
PROJECT TITLE:  
**CONSTRUCTION OF COLLEGE OF BUSINESS ADMINISTRATION AND TECHNOLOGY BUILDING**

PROJECT NAME:  
**CONSTRUCTION OF COLLEGE OF BUSINESS ADMINISTRATION AND TECHNOLOGY BUILDING**

CHECKED BY:  
 [Signature]

APPROVED BY:  
 [Signature]

SHEET CONTENT:  
**E-8**



**E-8**  
**1**  
**FOURTH FLOOR POWER LAYOUT PLAN**  
 SCALE 1:180



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
Telephone: (042) 567-5952  
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Website: rsu.edu.ph



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION :** PPI (future)  
**SYSTEM :** 400V, 3Ø, 60HZ  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE :** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN :**  
**OUT :**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS	
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Ø)	GND	SIZE (mm Ø)	TYPE		LENGTH (m)
		3Ø	ØAN										
1 Lightings	524	2.27		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
2 Lightings	458		2	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
3 C.O. x 9	1620			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
4 C.O. x 10	1800			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 Emergency Light	55		0.24	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
7 ACU 2.0hp (phase 2)	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.0hp (phase 2)	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
9 ACU 1.5hp (phase 1)	1398		6.07	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
10 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
13 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
14 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
15 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
16 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
17 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
18 Fire Alarm Control Panel	1000	4.34		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
19 Spare	1000	4.34		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
20 Space					50	1	THHN						
<b>TOTAL</b>	<b>30,233.00</b>	<b>43.07</b>	<b>43.04</b>	<b>45.25</b>									

**Ic** 0+(60) = 60 A  
**@ 80% DF** 60\*0.8 = 48 A  
**If** (48-10.13)+(1.25\*10.13) = 50.53A  
**Icb** (48-10.13)+30 = 67.87 A  
**USE:** 100AF Neutral Bus  
**Main Breaker :** 100 AT, 100 AF, 3 P, 400V V  
**Feeder :** THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8.0mm<sup>2</sup> VIA PVC conduit  
**Calculation :**

	ENGINEER:	PROJECT TITLE:	PREPARED BY:	REVIEWED BY:	SHEET CONTENT:	SHEET NO.:
	REP. ACT 0296 SEC. 33 DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ENGINEER AND SHALL BE EXCISED OR NOT, AND NOT TO BE REPRODUCED OR USED IN OTHER WORK WITHOUT THE AGREEMENT WITH THE ARCHITECT.	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	ENGR. JERENALYN A. YUENSTE Director, EPPPO	ENGR. HANNAH FAITH P. MORTA, JRP. Director, EPPPO	AS SHOWN	E-21
PRG. REG. No. : PTR. No. : Place :	LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS	ENGR. NOEL M. TIANGA, JR. Unit Head, EPPPO/CIAPPPO	ENGR. MERIAN P. CATAAYMANI, Ed. D., CESE. Romblon State University President	REV.:		



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT:** CBAT  
**DESIGNATION:** BUS BAR GUTTER  
**SYSTEM:** 230V, 1Ø, 60Hz  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE:** NEMA 12  
**MOUNTING:** WALL MOUNTED  
**FEED IN:**  
**OUT:**

Load Description	LOAD		CKT. PROTECTION		CONDUCTOR SIZE		RACEWAY		REMARKS
	VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x GND)	TYPE	
1 TPPI	12722	55.28	100	100	2	THHN	22 x 2 8.0	2.5 PVC	
2 TPP2	12926	56.17	100	100	2	THHN	22 x 2 8.0	2.5 PVC	
<b>TOTAL</b>	<b>25,648.00</b>	<b>111.45</b>							

**Ic** = 111.45A  
**If** = 111.45 x 1.25  
**Icb** = 139.31 A  
**Total KVA:** = 25.64 kVA  
**@ 80% Transformer Loading Limit:** = 32.05 kVA

**Emergency Breaker :** 150 AT. 150 AF. 2 P. 230 V  
**Feeder :** THHN 60mm<sup>2</sup> x 2, +E14.0 VIA PVC  
**Calculation :**

**USE:** 150AF bus terminal

**USE:** 1-37.5kVA, 7.6kV/230V, 60Hz single phase pole mounted transformer

	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO.:</b>
	<small>REPUBLIC ACT 9266 SEC. 33 HEREBY I DO HEREBY CERTIFY AS VALID AND CORRECT THE PROPERTY OF THE ARCHITECT. NEITHER THE WORK FOR WHICH THEY ARE MADE BE REPRODUCED OR NOT AND NOT TO BE USED FOR ANY OTHER PROJECTS EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREURSHIP BUILDING</b>	<b>ENGR. MERALYN S. VENTURA, ENGR. ALVIN OSORIO D. BRECIA, Engr. (Electrical Engineering)</b>	<b>ENGR. HANNAH FAITH P. MORTA, UPD, Illustrator, PPDPO</b>	<b>AS SHOWN</b>	<b>E-28</b>
<small>PRC REG. No. : PTR No. : Place:</small>	<b>LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS</b>	<b>ENGR. NOEL M. TIANGA JR., Engr. (Electrical Engineering)</b>	<b>APPROVED BY:</b> <b>MERIAN P. CATALAN-MANUEL D. CESE, Engr. (Electrical Engineering)</b>			



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT:** CBAT  
**DESIGNATION:** TPP2  
**SYSTEM:** 230V, 1Ø, 60Hz  
**MIN. I.C.:** \_\_\_\_\_

**PREPARED BY:** AJB  
**ENCLOSURE:** NEMA 12  
**MOUNTING:** PAD MOUNTED  
**FEED IN:** \_\_\_\_\_  
**OUT:** \_\_\_\_\_

Load Description	LOAD		CKT. PROTECTION			CONDUCTOR		RACEWAY		REMARKS	
	VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Obs.)	GND	SIZE (mm Ø)		TYPE
1 Lightings	524	2.28	20	50	2	THHN	2.0 x 2	2.0	15	PVC	
2 C.O. x 9	1620	7.04	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
3 Emergency Lights	60	0.26	20	50	2	THHN	2.0 x 2	2.0	15	PVC	
4 ACU 1.5hp	1398	6.07	20	50	2	THHN	3.5 x 2	2.0	15	PVC	
5 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
6 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
7 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
8 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
<b>TOTAL</b>	<b>12,926.00</b>	<b>56.17</b>									

**Ic** = 56.17A      **Main Breaker** : 100 AT.      **100 AF.**      **1 P.**      **230 V**

**If** 56.17 x 1.25 = 70.875 A      **Feeder** : THHN 22mm<sup>2</sup> x 2, +E8.0 VIA PVC

**Icb** 56.17 x 1.25 + 2.5\*10.13 = 96.2 A      **Calculation** :

	<b>ENGINEER:</b> _____ <small>DESIGNS AND CORRECTS THROUGH HIS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. WHENEVER THE WORK FOR WHICH THEY ARE MADE IS REPRODUCED OR USED IN OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>PREPARED BY:</b> <small>ENGR. JEREMY S. VICENTE ENGR. JALIN LORDEL D. BEREALA</small>	<b>REVIEWED BY:</b> <small>ARCH. HANNAH FAITH P. MORTA, UBP. Division UPD</small>	<b>SHEET CONTENT:</b> <b>AS SHOWN</b>	<b>SHEET NO.:</b> <b>E-27</b>
	<b>PROG. REG. No.:</b> _____ <b>PIR No.:</b> _____ <b>Place:</b> _____	<b>VALIDITY:</b> _____ <b>DATE:</b> _____ <b>TIN:</b> _____	<b>LOCATION:</b> ROMBLON STATE UNIVERSITY - MAIN CAMPUS	<b>CHECKED BY:</b> <small>ENGR. NOELM. TIANGA, JR. UCP Main Project UPD</small>	<b>APPROVED BY:</b> <small>MERIAN P. CATAY, MANILED, D. CESE. Romblon State University President</small>	



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** TPP1  
**SYSTEM:** 230V, 1Ø, 60Hz  
**MIN. I.C.:** \_\_\_\_\_

**PREPARED BY:** AJB  
**ENCLOSURE :** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN:** \_\_\_\_\_  
**OUT :** \_\_\_\_\_

Load Description	LOAD		CKT. PROTECTION			CONDUCTOR			RACEWAY			REMARKS
	VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x <sub>Obs'd</sub> )	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
1 Lightings	500	2.17	20	50	2	THHN	2.0 x 2	2.0	15	PVC		
2 C.O. x 8	1440	6.26	30	50	2	THHN	3.5 x 2	2.0	15	PVC		
3 Emergency Lights	60	0.26	20	50	2	THHN	2.0 x 2	2.0	15	PVC		
4 ACU 1.5hp	1398	6.07	20	50	2	THHN	3.5 x 2	2.0	15	PVC		
5 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC		
6 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC		
7 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC		
<b>TOTAL</b>	<b>12,722.00</b>	<b>55.28</b>										

**Ic** = 55.28A      **Main Breaker** : 100 AT.      100 AF.      1 P.      230 V

**If** = 69.1 A      **Feeder** : THHN 22mm<sup>2</sup> x 2, +E8.0 VIA PVC

**Icb** = 94.43 A      **Calculation** :

	<b>ENGINEER:</b> <small>REPRODUCTION OF THIS DRAWING AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT. WHETHER OR NOT THE ARCHITECT IS EMPLOYED BY THE CLIENT, THE ARCHITECT'S LIABILITY SHALL BE EXTENDED TO THE CLIENT AND NOT TO BE LIMITED BY ANY AGREEMENT WITH THE CLIENT.</small>	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>PREPARED BY:</b> ENGR. SEBASTIAN A. VERDELE, ENGR. ANTONIO S. RECAL, ENGR. JOSE M. MANTILLA, ENGR. JOSE M. MANTILLA, ENGR. JOSE M. MANTILLA	<b>REVIEWED BY:</b> ARCH. HANNAH FAITH P. MORTA, MDP, Electrical Engineer	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> E-26
	PRC REG. No. : PIR No. : Date : Validity : Title :	<b>CHECKED BY:</b> ENGR. NOEL M. TIANGA, JR., <small>Unit Head, PRC/UPPOD</small>	<b>LOCATION:</b> ROMBLON STATE UNIVERSITY- MAIN CAMPUS	<b>APPROVED BY:</b> ENGR. MERIAN P. CATAMAY-MANTE Ed. D. CESE, <small>Romblon State University President</small>	<b>REV.:</b>	





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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION :** MDP (future)  
**SYSTEM :** 400V, 3Ø, 60HZ  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE :** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN :**  
**OUT :**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS		
	Total (VA)	3Ø	ØAN	ØBN	ØCN	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Chnl.)	GND		SIZE (mm Ø)	TYPE
1 PP1	30,233.00	0	43.07	43.03	45.25	100	110	3	THHN	22 x 4	8.0	15	PVC	
2 PP2	33,662.00	0	50.99	47.05	50.56	100	110	3	THHN	22 x 4	8.0	15	PVC	
3 PP3	37,424.00	0	58.89	50.8	52.87	100	110	3	THHN	22 x 4	8.0	15	PVC	
5 PP4	38,394.00	0	58.94	51.28	56.77	100	110	3	THHN	22 x 4	8.0	15	PVC	
6 Elevator	20,000.00	28.86				60	60	3	THHN	8.0 x 4	3.5	15	PVC	
7 Fire Pump (lockey)	1865			8.11		30	30	1	THHN	3.5 x 2	2.0	15	PVC	
8 water pump	2500			10.86		30	30	1	THHN	3.5 x 2	2.0	15	PVC	
9 Spare	1500				6.52	30	30	3	THHN					
10 Space						30	30	3	THHN					
<b>TOTAL</b>	<b>165,578.00</b>	<b>28.86</b>	<b>211.89</b>	<b>211.13</b>	<b>211.97</b>									

**Ic** 28.86+(211.97) = 240.83 A  
**@ 80% DF** 240.83\*0.8 = 192.66 A  
**If** (192.66-58.94)+(1.25\*58.94) = 207.39 A  
**Icb** (192.66-58.94)+100 = 233.72 A

**total kVA:** = 165.57 kVA

**@ 80% Demand Factor:** = 132.45 kVA  
**@ 80% TR Loading Limit:** = 165.57 kVA  
**@ 70% Genset Loading Limit:** = 236.52 kVA

**USE:** 200kVA, 13.2KV/400V 3 phase with neutral, Pad mounted cabinet type oil immersed transformer  
 250KVA, 400V/230V,3 phase, 60Hz, Silent Type Diesel Generator

**Main Breaker :** 250 AT, 250 AF, 3 P, 400 V  
**Feeder :** THHN 1-125mm<sup>2</sup> x 3, + N125mm<sup>2</sup> VIA PVC Conduit  
**Calculation :**

**USE:** 250AF Neutral Bus Terminal

	<b>ENGINEER:</b> <small>REPUBLIC ACT 9296 SEC. 33</small> <small>PROVISIONS AND CORRECTIONS THEREOF AS AMENDED</small> <small>INSTRUMENTS OF SERVICE, AND THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE IS REPRODUCED OR USED IN OTHER WORK, EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>PREPARED BY:</b> <small>ENGR. MERIAN P. GATAYAMAN I, Ed. D., CESE</small> <small>College of Business Accountancy and Technology, Romblon State University - Main Campus</small>	<b>REVIEWED BY:</b> <small>ARCH. HANNY H. FAJIL P. MORTA, UBP</small> <small>Department of Design, Romblon State University - Main Campus</small>	<b>SHEET NO.:</b> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">E-25</div>
	<small>Validty:</small> <small>Date:</small> <small>TH:</small>	<b>PROG REG No. :</b> <small>Place:</small>	<b>LOCATION:</b> ROMBLON STATE UNIVERSITY - MAIN CAMPUS	<b>APPROVED BY:</b> <small>ENGR. NOEL M. TANGCA JR.</small> <small>College of Business Accountancy and Technology, Romblon State University - Main Campus</small>	<b>APPROVED BY:</b> <small>ENGR. MERIAN P. GATAYAMAN I, Ed. D., CESE</small> <small>College of Business Accountancy and Technology, Romblon State University - Main Campus</small>



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** PP4 (future)  
**SYSTEM:** 400V, 3Ø, 60HZ.  
**MIN. I.C.:**

**PREPARED BY:** A.J.B  
**ENCLOSURE:** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN :**  
**OUT :**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS	
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Ckt.)	GND	SIZE (mm)	TYPE		LENGTH (m)
		3Ø	ØAN										
1 Lightings	510	2.22		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
2 Lightings	516		2.4	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
3 C.O. x 8	1440			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
4 C.O. x 15	2700			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 Emergency Lights	60			20	50	1	THHN	2.0 x 2	2.0	15	PVC		
6 ACU 2.0hp	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
7 ACU 2.0hp	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
9 ACU 2.0hp	1865			20	50	1	THHN	3.5 x 2	2.0	15	PVC		
10 ACU 1.5hp	1398			20	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
13 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
14 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
15 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
16 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
17 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
18 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
19 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
20 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 Spare	1000			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 Space					50	1							
<b>TOTAL</b>	<b>38,394.00</b>	<b>58.94</b>	<b>51.28</b>	<b>56.77</b>									

**Ic**  $0+(58.94)$   
**@ 80% DF**  
 $58.94 \times 0.8$   
**If**  $(47.15-10.13)+(1.25 \times 10.13)$   
**Icb**  $(47.15-10.13)+30$

**Main Breaker** : 100 AT, 100 AF, 3 P, 400V V  
**Feeder** : THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8-0mm<sup>2</sup> VIA PVC conduit  
**Calculation** :  
**USE:** 100AF Neutral Bus

	<b>ENGINEER:</b> DR. ACT 0266 SEC. 33 <small>DRAWINGS AND COPIES THEREOF, AS WELL AS THE ORIGINALS, SHALL BE THE PROPERTY OF THE ARCHITECT. THESE SHALL BE EXEMPTED FROM THE PROVISIONS OF THE REGISTERED PROFESSIONAL ENGINEER ACT OF 1954 (RA 166) AND THE REGISTERED PROFESSIONAL ARCHITECT ACT OF 1954 (RA 166) AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>PROJECT TITLE:</b> CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPREURSHIP BUILDING	<b>PREPARED BY:</b> ENGR. MERIEN LUIS V. VICENTE ENGR. ALVIN LUIS D. BERCIA <small>Senior Electrical Engineering Officer</small>	<b>REVIEWED BY:</b> ARCH. HANNAH FAITH P. MORTA, RUP. Director, IPFDD	<b>SHEET NO.:</b> E-24
	Validity: _____ Date: _____ TIN: _____	<b>CHECKED BY:</b> ENGR. NOEL M. TIANGA JR. <small>Unit Head, IPFDD</small>	<b>APPROVED BY:</b> MERIAN P. CALAHAY-MANI Ed. D. CESE <small>Assistant Unit Chief, IPFDD</small>	<b>SHEET CONTENT:</b> AS SHOWN	



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
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Email: bac@rsu.edu.ph  
Website: rsu.edu.ph



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** PP3 (future)  
**SYSTEM:** 400V, 3Ø, 60HZ  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE :** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN :**  
**OUT :**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Ø) (mm <sup>2</sup> x Ø)	SIZE (mm Ø)	TYPE	LENGTH (m)	
		3Ø	ØAN									
1 Lightings	500	2.17		20	50	1	THHN	2.0 x 2	2.0	15	PVC	
2 Lightings	456		1.98	20	50	1	THHN	2.0 x 2	2.0	15	PVC	
3 C.O. x 8	1440			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
4 C.O. x 10	1800			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
5 Emergency Light	60		0.2	20	50	1	THHN	2.0 x 2	2.0	15	PVC	
6 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
7 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
8 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
9 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
10 ACU 1.5hp	1398			20	50	1	THHN	3.5 x 2	2.0	15	PVC	
11 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
12 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
13 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
14 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
15 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
16 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
17 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
18 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
19 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
20 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
11 Spare	1000			30	50	1						
12 Spacc			4.34	30	50	1						
<b>TOTAL</b>	<b>37,424.00</b>	<b>-</b>	<b>58.89</b>									

**Ic**  $0+(58.89)$   
**@ 80% DF**  
 $58.89*0.8$   
**If**  $(47.11-10.13)+(1.25*10.13)$   
**Icb**  $(47.11-10.13)+30$

**Main Breaker** : 100 AT, 100 AF, 3 P, 400V V  
**Feeder** : THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8.0mm<sup>2</sup> VIA PVC conduit  
**Calculation** :  
**USE:** 100AF Neutral Bus

	<b>ENGINEER:</b> <small>REPLY ACT 9266 SEC. 33 DRAWINGS AND CORRECT THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. WHETHER THE WORK FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, THEY ARE NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>PREPARED BY:</b> <small>ENGR. MERLIAN P. CATALAY, M.A.N.I.E.D., C.E.B.E. Lic. No. 19970139900</small>	<b>REVIEWED BY:</b> <small>ARCH. HANNALAI FAITH P. MORTA, UBP. License No. 19970139900</small>	<b>SHEET CONTENT:</b> <b>AS SHOWN</b>	<b>SHEET NO.:</b> <b>E-23</b>
	<b>PRC REG. No.:</b> <b>PR No.:</b> <b>Place:</b>	<b>VALIDITY:</b> <b>Date:</b> <b>TIN:</b>	<b>LOCATION:</b> ROMBLON STATE UNIVERSITY - MAIN CAMPUS	<b>CHECKED BY:</b> <small>ENGR. NOELAM TIANGA JR., Lic. No. 19970139900</small>	<b>APPROVED BY:</b> <small>MERLIAN P. CATALAY, M.A.N.I.E.D., C.E.B.E. Romblon State Univ. Center, Panabitan</small>	



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** PP2 (future)  
**SYSTEM:** 400V, 3Ø, 60HZ  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE:** NEMA 12  
**MOUNTING:** PAD MOUNTED  
**FEED IN:**  
**OUT:**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS	
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Obs.)	GND	SIZE (mm Ø)	TYPE		LENGTH (m)
		3Ø	ØAN										
1 Lightings	500	2.17		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
2 Lightings	456	1.98		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
3 C.O. x 8	1440		6.3	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
4 C.O. x 7	1260		7.8	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 C.O. x 8	1440		6.3	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 Emergency Lights	60	0.2		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
6 ACU 2.0hp	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
7 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
9 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
10 ACU 1.5hp	1398		6.07	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
13 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
14 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
15 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
16 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
17 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
18 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
19 Spare	1000		4.34	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
20 Space				30	50	1							
<b>TOTAL</b>	<b>33,662.00</b>	<b>50.99</b>	<b>47.05</b>	<b>50.56</b>									

**Ic** 0+(60) = 60 A  
**@ 80% DF** 60\*0.8 = 48 A  
**If** (48-10.13)+(1.25\*10.13) = 50.53A  
**Icb** (48-10.13)+30 = 67.87 A

**USE:** 100AF Neutral Bus

**Main Breaker** : 100 AT, 100 AF, 3 P, 400V V  
**Feeder** : THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8.0mm<sup>2</sup> VIA PVC conduit  
**Calculation** :

	ENGINEER: REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ENGINEER AND SHALL BE RETURNED TO HIM UPON THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED IN OTHER WORK WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.	PROJECT TITLE: <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	PREPARED BY: ENGR. REBELENE S. YENTEC ENGR. ALVIN JESRD. BRIGIDA (Civil Engr. / Engr. / Engr. / Engr. / Engr.)	REVIEWED BY: ARCH. HANNAH FAITH P. MORTA, IEP. (Architect / Engr. / Engr. / Engr. / Engr.)	SHEET CONTENT: AS SHOWN	SHEET NO.: E-22
	PTR No. _____ Date: _____ File: _____	CHECKED BY: ENGR. NOEL M. TIANGA JR. (Civil Engr. / Engr. / Engr. / Engr. / Engr.)	LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS	APPROVED BY: MERIAN P. CATAYAN-MANI, E.L.D., C.E. (Assistant, Board, University Registrar)		



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

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LET NOTICE  
LETTING/REGISTRATION WITH  
BIDDING OF BIDS OR OTHER WORK  
BIDDING OF BIDS FOR THE  
CONSTRUCTION OF THE COMMUNITY  
OUTREACH CENTER FOR THE  
UNIVERSITY OF ROMBLON. THE  
BIDDING WILL BE OPENED ON  
DECEMBER 15, 2023 AT 10:00 AM  
IN THE BIDS OFFICE OF THE  
BIDS AND AWARDS COMMITTEE, RSU  
M-CAMPUS, LIWANAG, ODIONGAN, ROMBLON, PHILIPPINES.

BIDDING NO.:	LET-2023-001
DATE OF BIDDING:	12/15/2023
DATE OF BIDDING:	12/15/2023
DATE OF BIDDING:	12/15/2023
DATE OF BIDDING:	12/15/2023
DATE OF BIDDING:	12/15/2023

**PROJECT: ROMBLON STATE UNIVERSITY - MAIN CAMPUS**

**CONSTRUCTION OF COMMUNITY OUTREACH CENTER OF ROMBLON STATE UNIVERSITY**

**PROJECT DATE:**

**CHECKED BY:** ENGR. JOHN P. LAYAGUE JR.

**PREPARED BY:** ENGR. JOHN P. LAYAGUE JR.

**APPROVED BY:** UNIVERSITY OF ROMBLON

**REAPPROVED BY:** UNIVERSITY OF ROMBLON

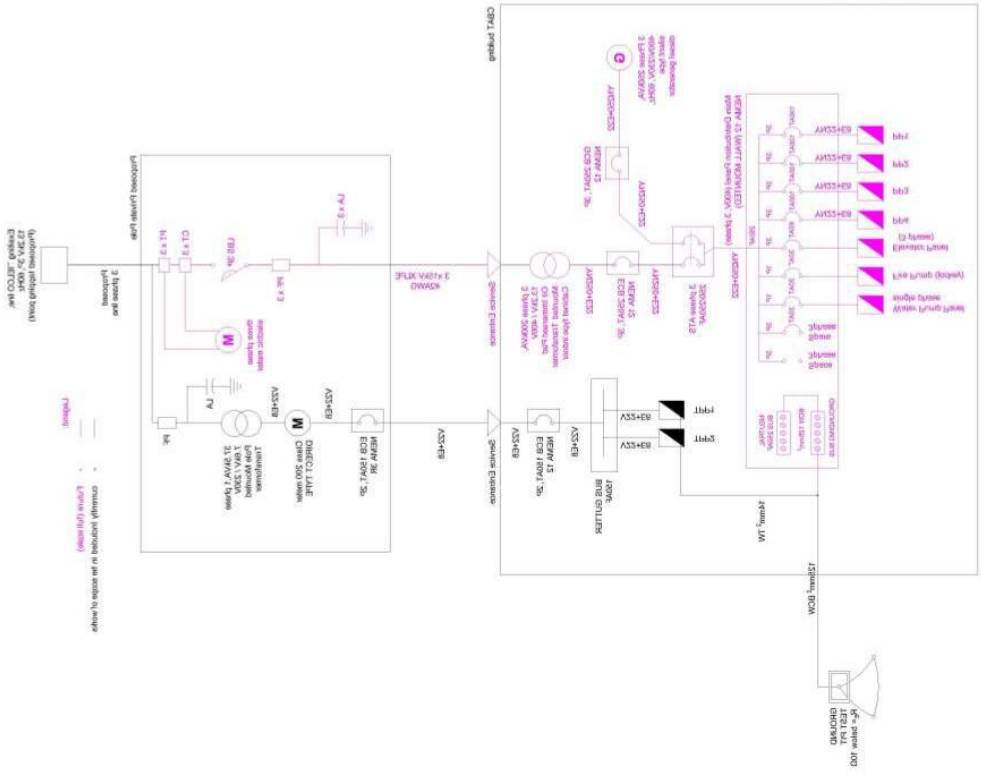
**SHEET NO.:** 08



**E-S8 SCALE**

**1 SINGLE LINE DIAGRAM**

1:180





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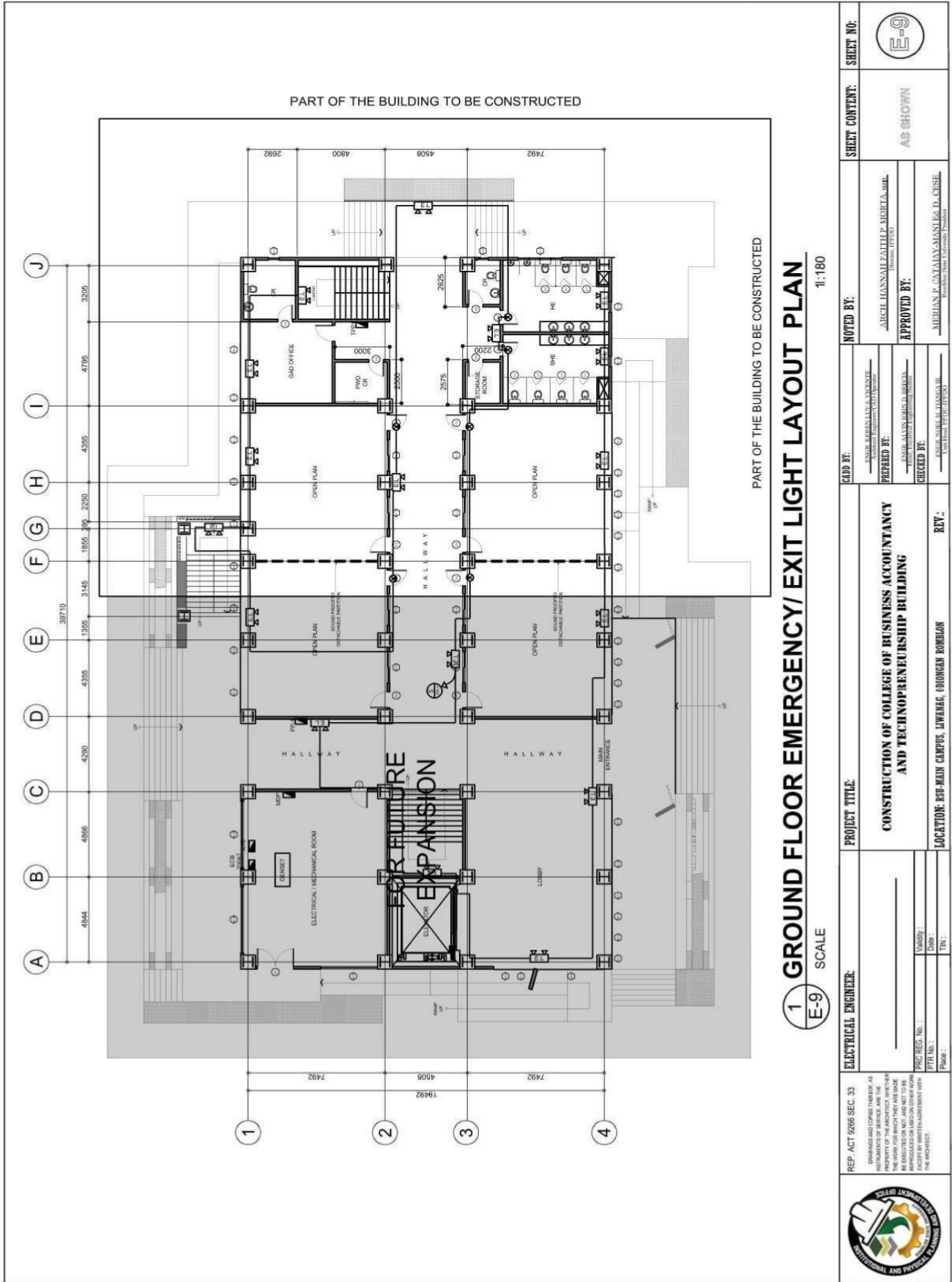
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TO



**1** GROUND FLOOR EMERGENCY/EXIT LIGHT LAYOUT PLAN  
SCALE E-9  
11:180

REP. ACT 9268 SEC. 33 <small>DRAWINGS AND COPIES THEREOF AS SHOWN HEREON SHALL BE THE PROPERTY OF THE ARCHITECT. ANY REPRODUCTION OR TRANSMISSION OF THE DRAWINGS OR COPIES THEREOF WITHOUT THE WRITTEN AGREEMENT WITH THE ARCHITECT IS PROHIBITED.</small>	ELECTRICAL ENGINEER: _____ PRC REG. NO. _____ PTR No. _____ Date: _____ Title: _____	PROJECT TITLE: <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING</b>  LOCATION: ESP-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	NOTED BY: _____ PREPARED BY: _____ CHECKED BY: _____	SHEET CONTENT: <b>AS SHOWN</b>	SHEET NO: 
	APPROVED BY: _____ _____ _____ _____	REV.: _____	APPROVED BY: _____ _____ _____	SHEET NO.: 	SHEET CONTENT: <b>AS SHOWN</b>



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

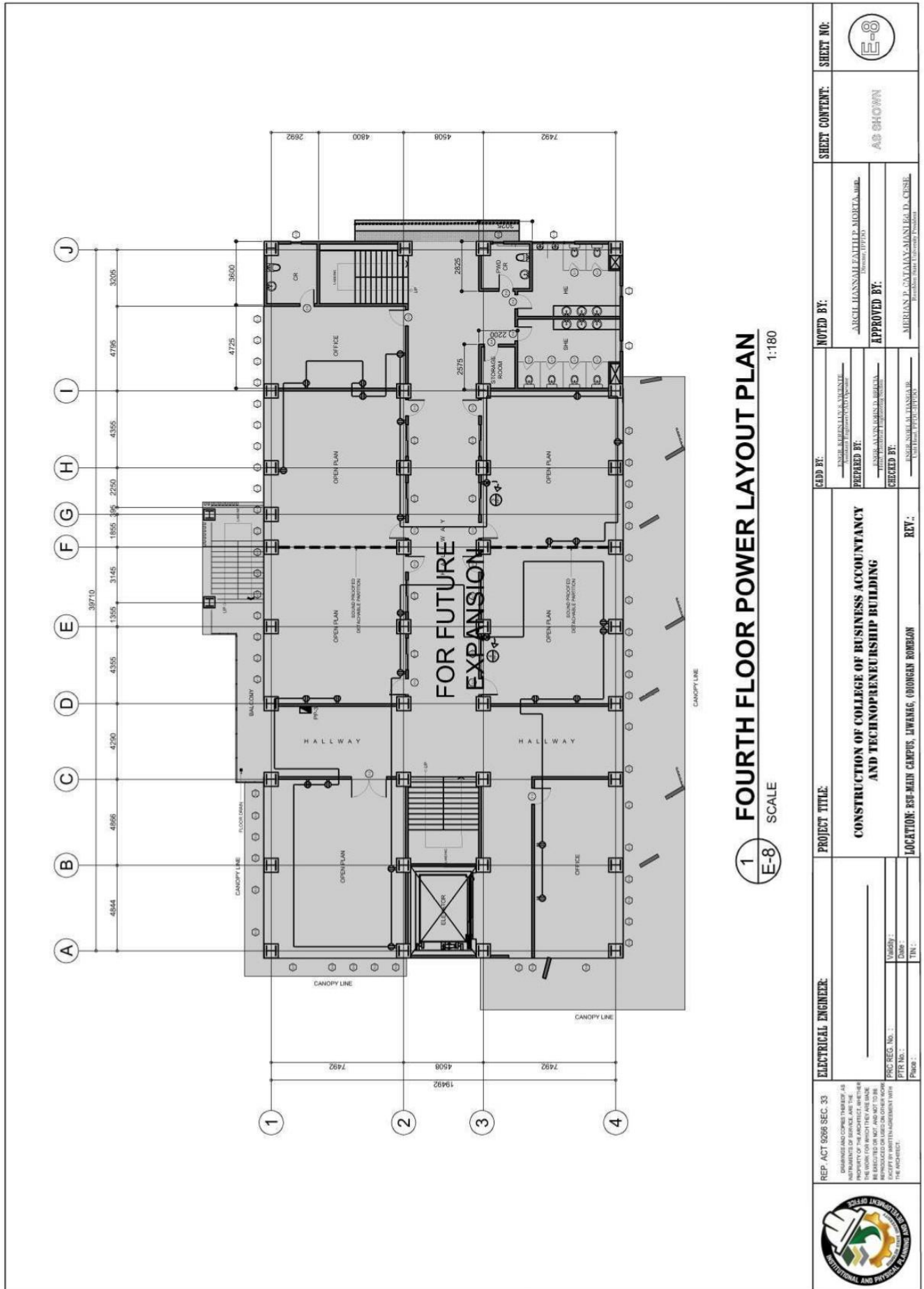
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**1** FOURTH FLOOR POWER LAYOUT PLAN  
SCALE 1:180

<b>REPUBLIC ACT 9296 SEC. 33</b> <small>DISBURSE AND COPIES TO BE KEPT AS PROPERTY OF THE ARCHITECT. WHETHER THE WORK FOR WHICH THEY ARE MADE BE REQUESTED OR NOT, AND NOT TO BE FACILITATED BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>ELECTRICAL ENGINEER</b>  NAME: _____ PRC REG. NO.: _____ PTR No.: _____ PRC No.: _____	<b>PROJECT TITLE</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>NOTED BY:</b> ARCEL JANNAL FALIP, MCKLAARIL, Director, 197304	<b>SHEET NO.:</b> <b>E-8</b>
		<b>LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</b>	<b>APPROVED BY:</b> MIRIAN D. SASTRANANGI, D. CYSE, Director, 197304	<b>SHEET CONTENT:</b> <b>AS SHOWN</b>



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

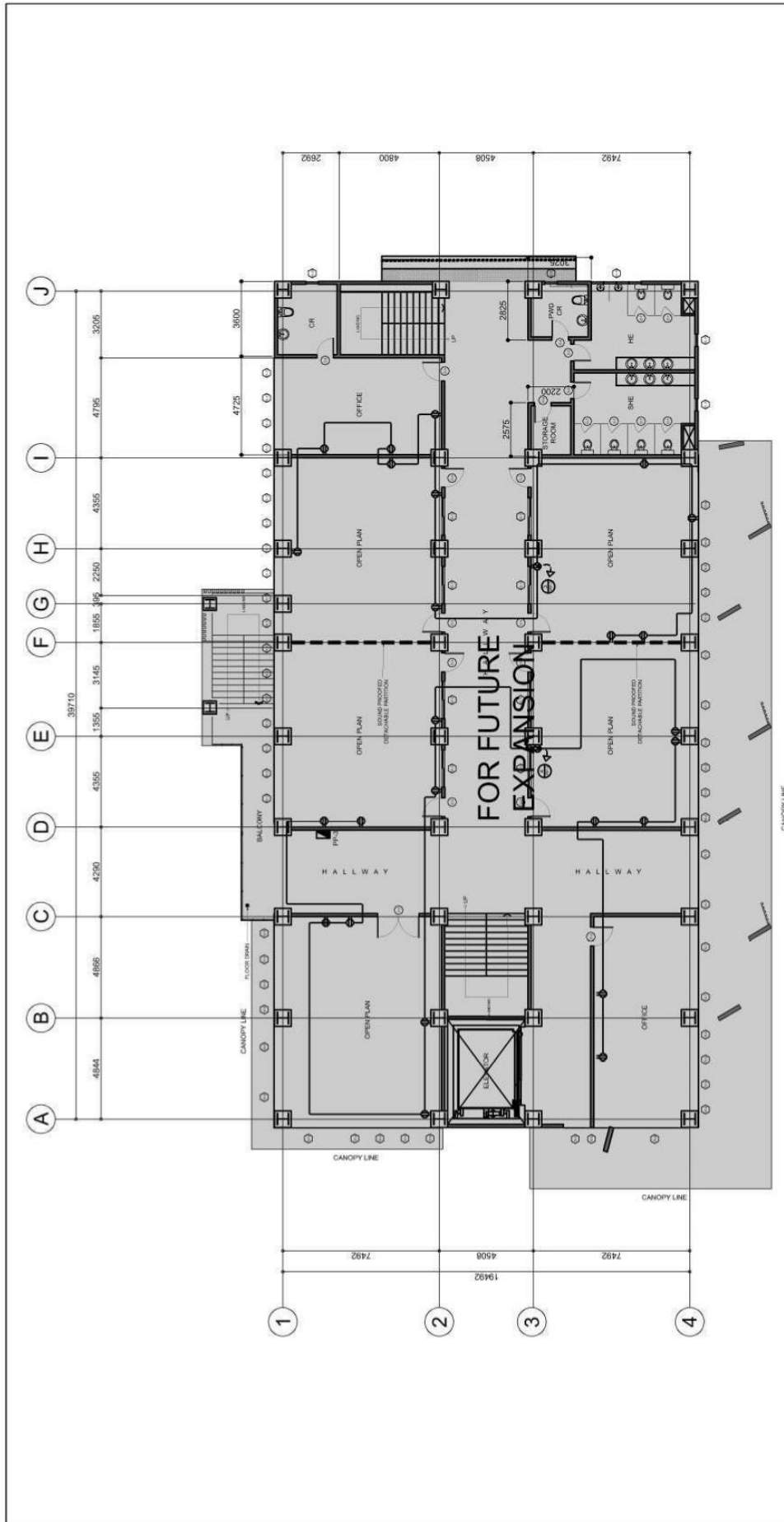
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**1** THIRD FLOOR POWER LAYOUT PLAN  
 SCALE 1:180

REP. ACT 9266 SEC. 33 <small>DUPLICATED COPIES THEREOF AS WELL AS ANY ALTERATIONS MADE TO THE DRAWING ARE THE PROPERTY OF THE ARCHITECT. ANY OTHER REPRODUCTION OR TRANSMISSION OF THIS DRAWING FOR WHICH THEY ARE MADE WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT IS STRICTLY PROHIBITED.</small>	<b>ELECTRICAL ENGINEER:</b> _____ NAME: _____ PTR No.: _____ PRC No.: _____ Phno.: _____	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>NOTED BY:</b> _____ NAME: ARCEL HANNAL FAITEP, MOKLA, JR. Director, 199304	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> E-7
	<b>REVISIONS:</b> NO. : _____ DATE : _____ BY : _____	<b>APPROVED BY:</b> _____ NAME: MIRIAN P. SASTRANAN, M.S., Ph.D., CUSE. Director, 199304	<b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REV.:</b> _____	





# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

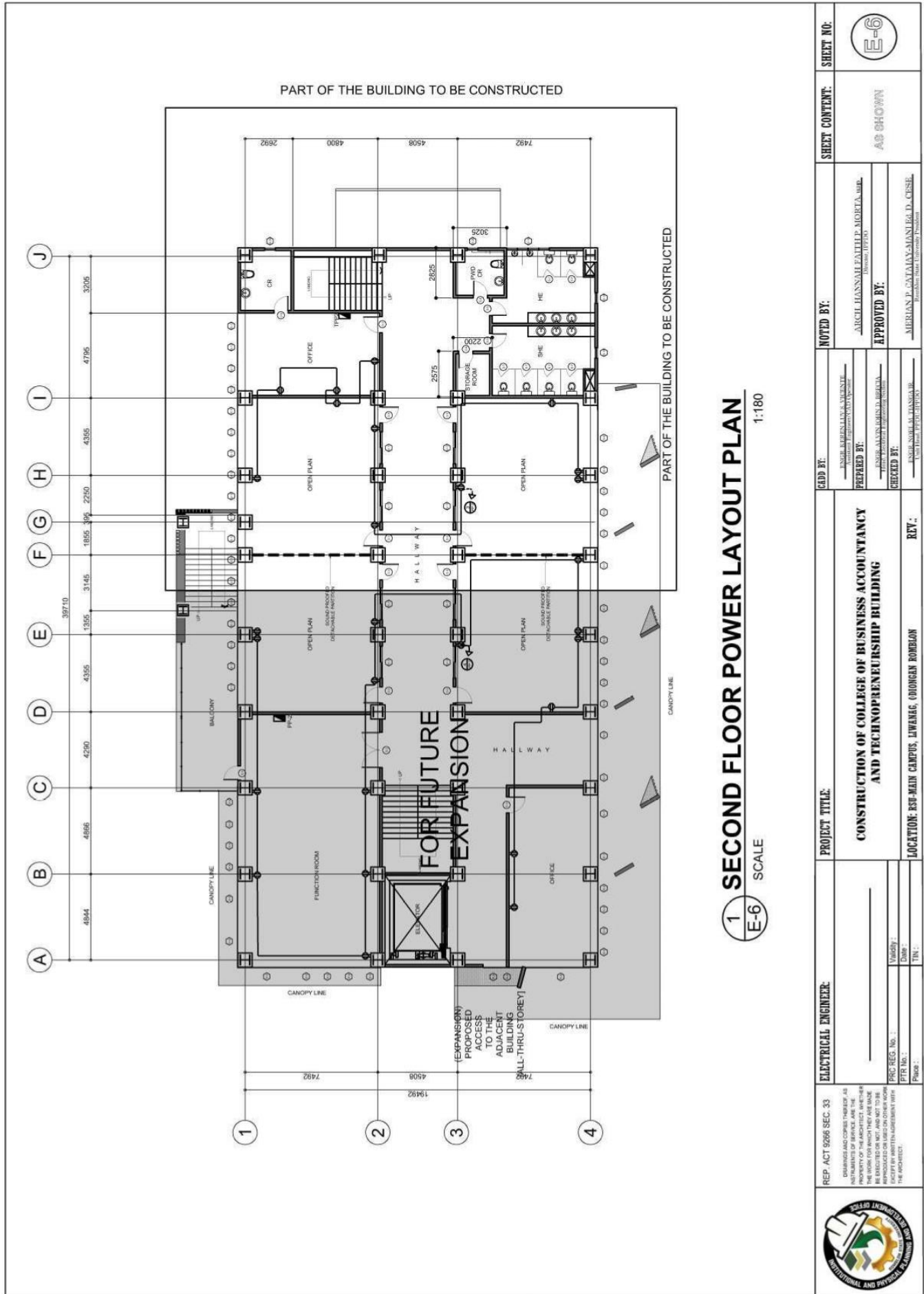
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**1 SECOND FLOOR POWER LAYOUT PLAN**  
 SCALE 1:180

REP. ACT 9266 SEC. 33 <small>DUPLICATED AND COPIES THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. ANY REPRODUCTION OR USE OF THIS DRAWING WITHOUT THE ARCHITECT'S PERMISSION IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.</small>	<b>ELECTRICAL ENGINEER:</b> _____ <small>Validity: _____          Date: _____          Title: _____</small>	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLENSHIP BUILDING</b>	<b>NOTED BY:</b> AIRCHIL HANSAHALI, MATHIEP. MORTA, JR. <small>Electrical Engineer</small>	<b>SHEET NO.:</b> <b>E-6</b>
	<b>PROJ. RECS. No.:</b> <b>FFR No.:</b> <b>Page:</b>	<b>LOCATION:</b> BSP-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REVISIONS:</b>	<b>APPROVED BY:</b> MERIAN J. CATALAY-MANLEA, D. CUSE <small>Registered Professional Electrical Engineer</small>

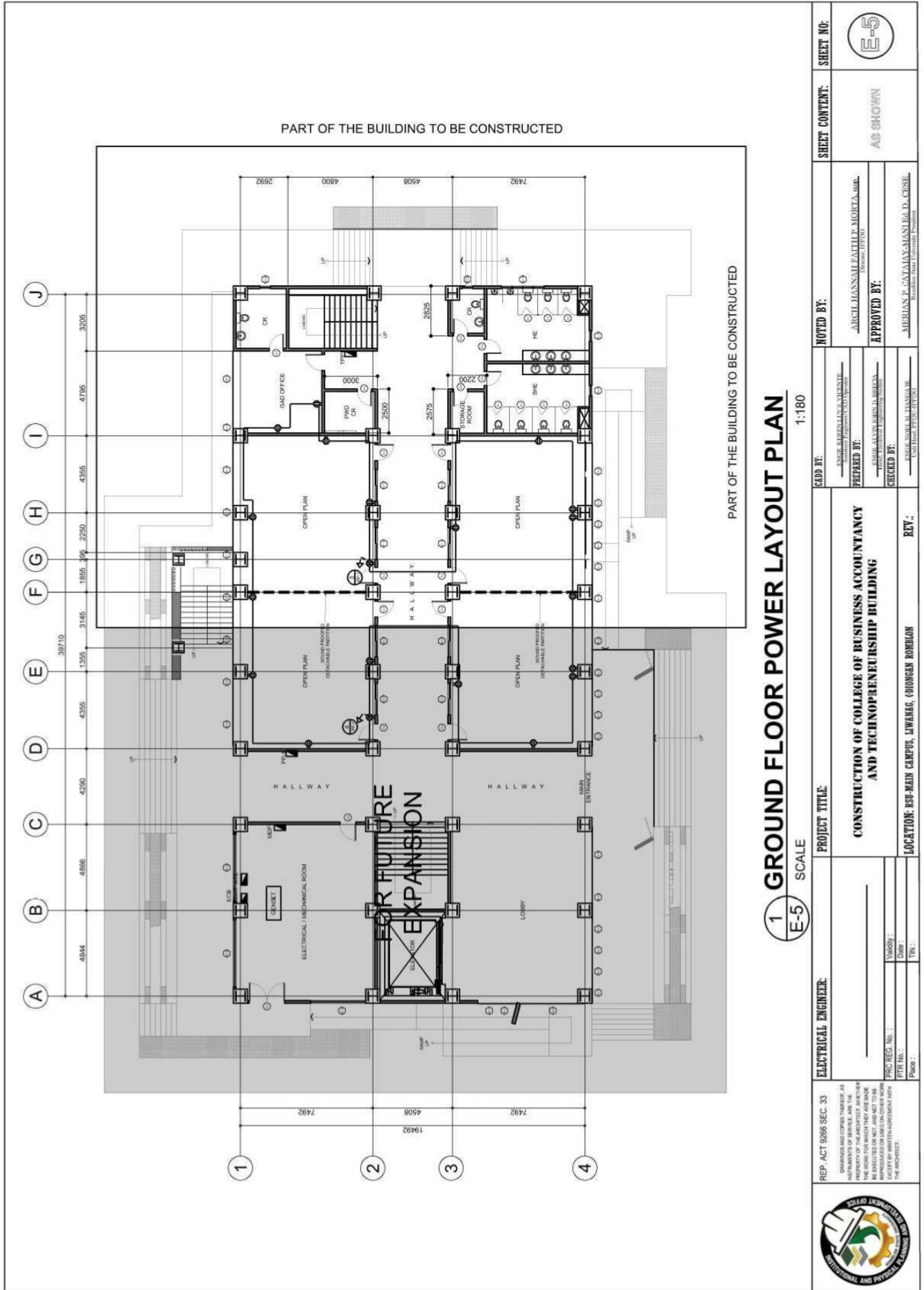



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REP. ACT 5266 SEC. 33 REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. 	PROJECT TITLE: <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPEURSHIP BUILDING</b>	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	REV.:
	ELECTRICAL ENGINEER: _____ VLSY: _____ DATE: _____ PPR No.: _____ PPR No.: _____	NOTED BY: _____ APPROVED BY: _____	SHEET CONTENT: AS SHOWN
CDD BY: _____ PREPARED BY: _____ CHECKED BY: _____	NOTED BY: _____ APPROVED BY: _____	SHEET CONTENT: AS SHOWN	SHEET NO.: E-5

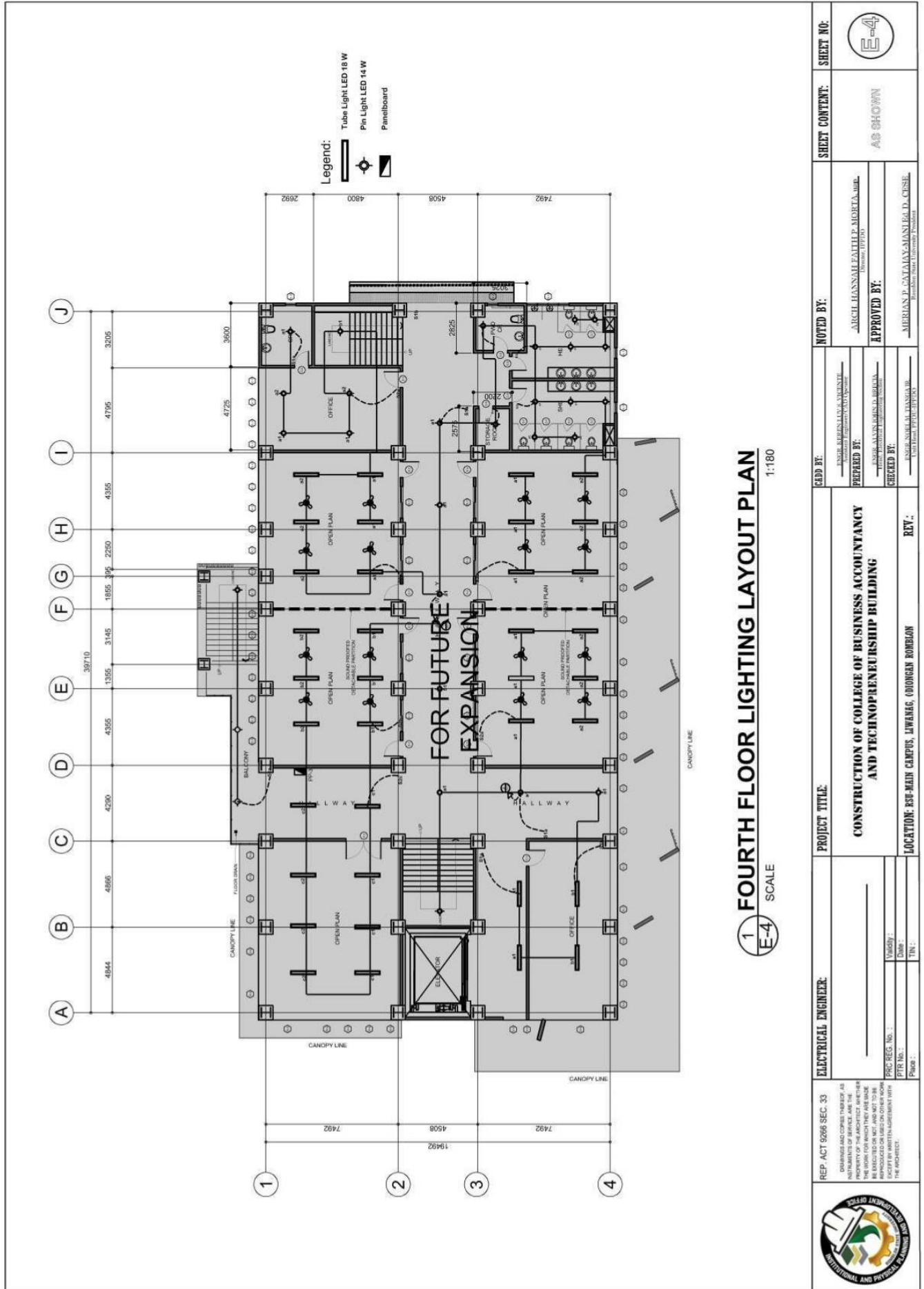


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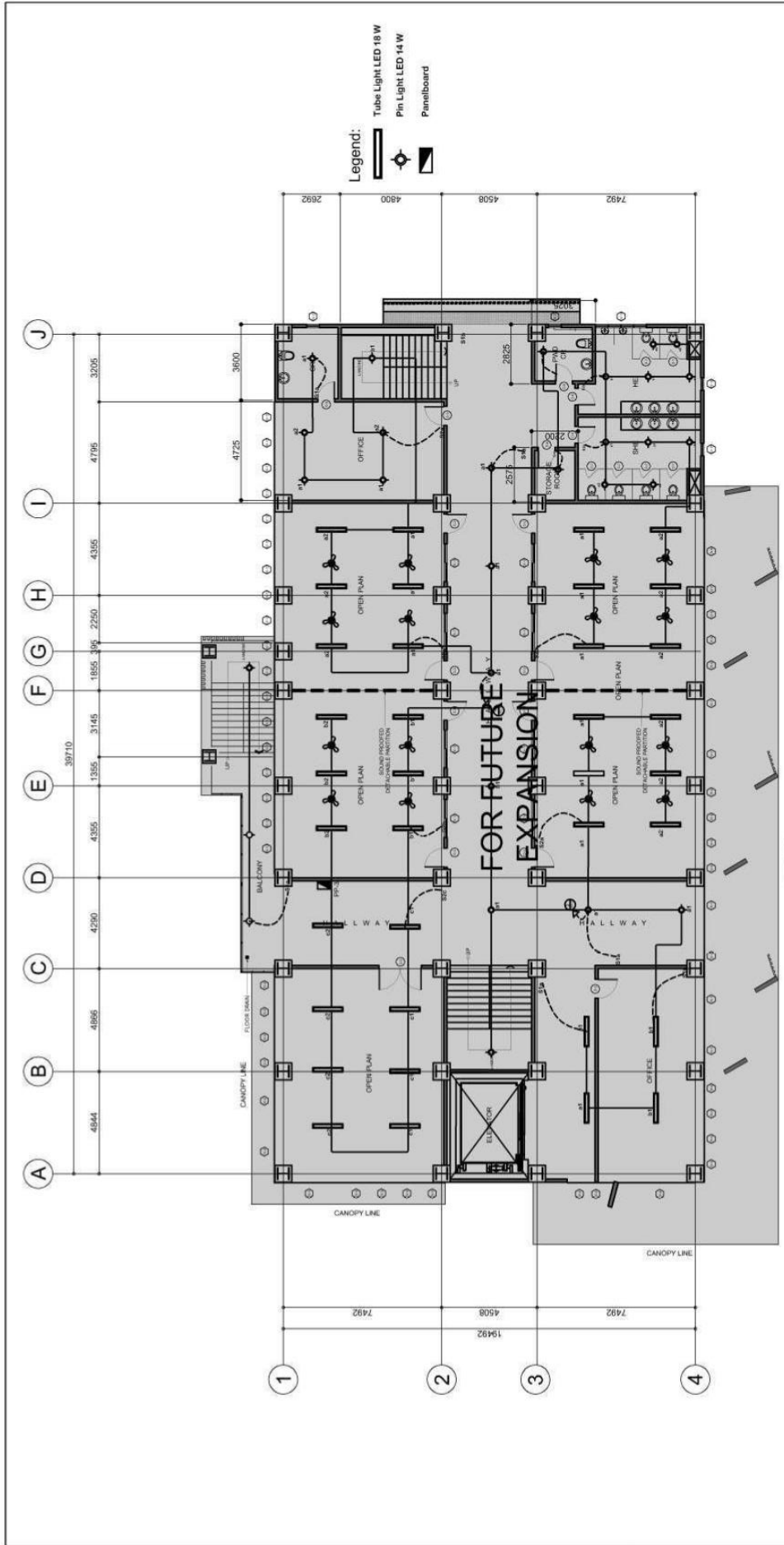
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**1 THIRD FLOOR LIGHTING LAYOUT PLAN**  
 E-3 SCALE 1:180

REP. ACT 9266 SEC. 33 <small>DESIGNS AND CONSTRUCTION OF ALL BUILDINGS AND STRUCTURES ARE THE PROPERTY OF THE ARCHITECT AND SHALL BE ERECTED OR NOT AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.</small>	<b>ELECTRICAL ENGINEER:</b> _____ Vldydy: _____ Dtdy: _____ PPR No.: _____ Place: _____	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREURSHIP BUILDING</b>	<b>NOTED BY:</b> _____ <b>APPROVED BY:</b> _____ _____ _____	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> 
	<b>ADD BY:</b> _____ <b>PREPARED BY:</b> _____ <b>CHECKED BY:</b> _____	<b>REV.:</b> _____	<b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>APPROVED BY:</b> _____ _____ _____	<b>APPROVED BY:</b> _____ _____ _____



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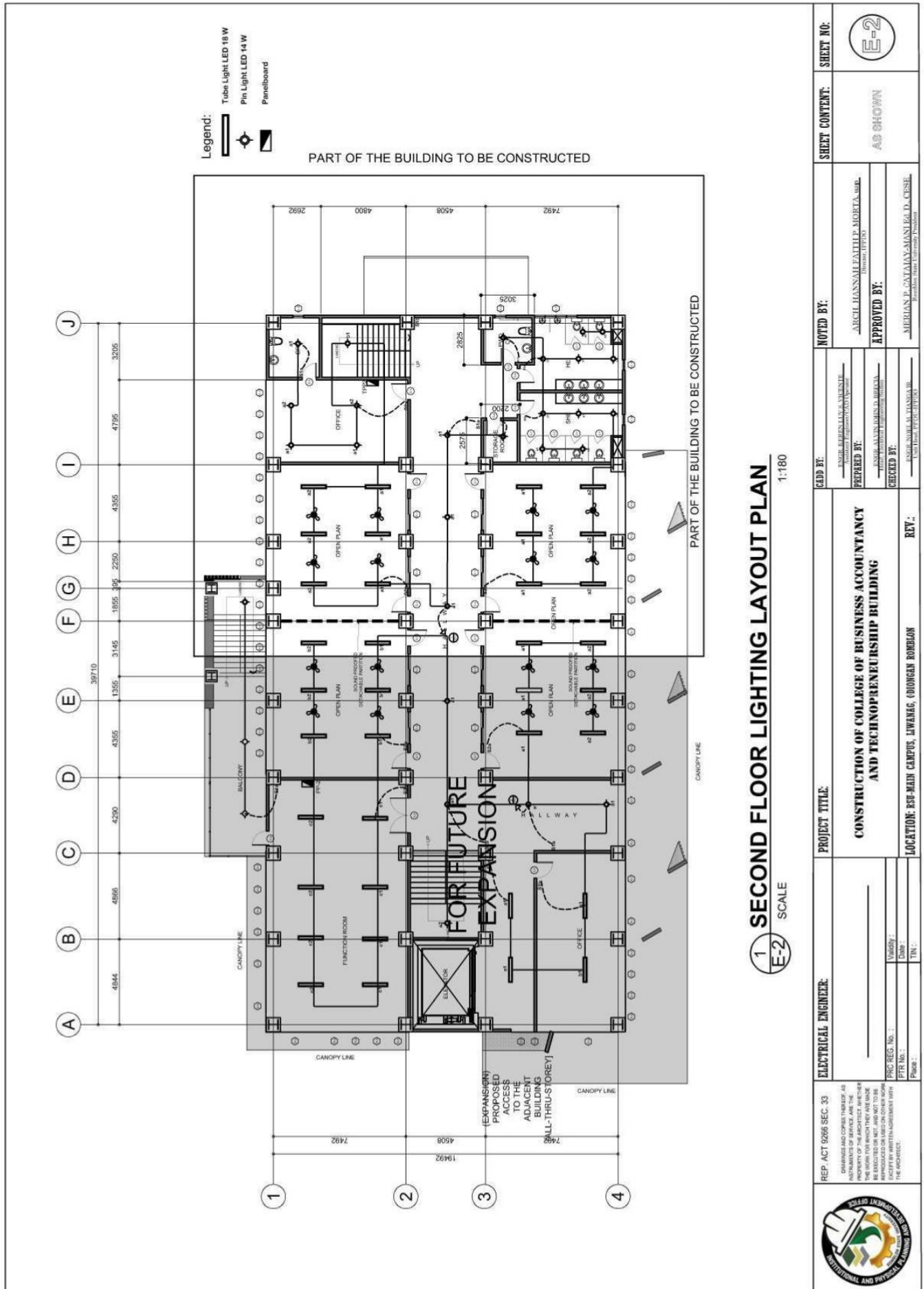
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# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

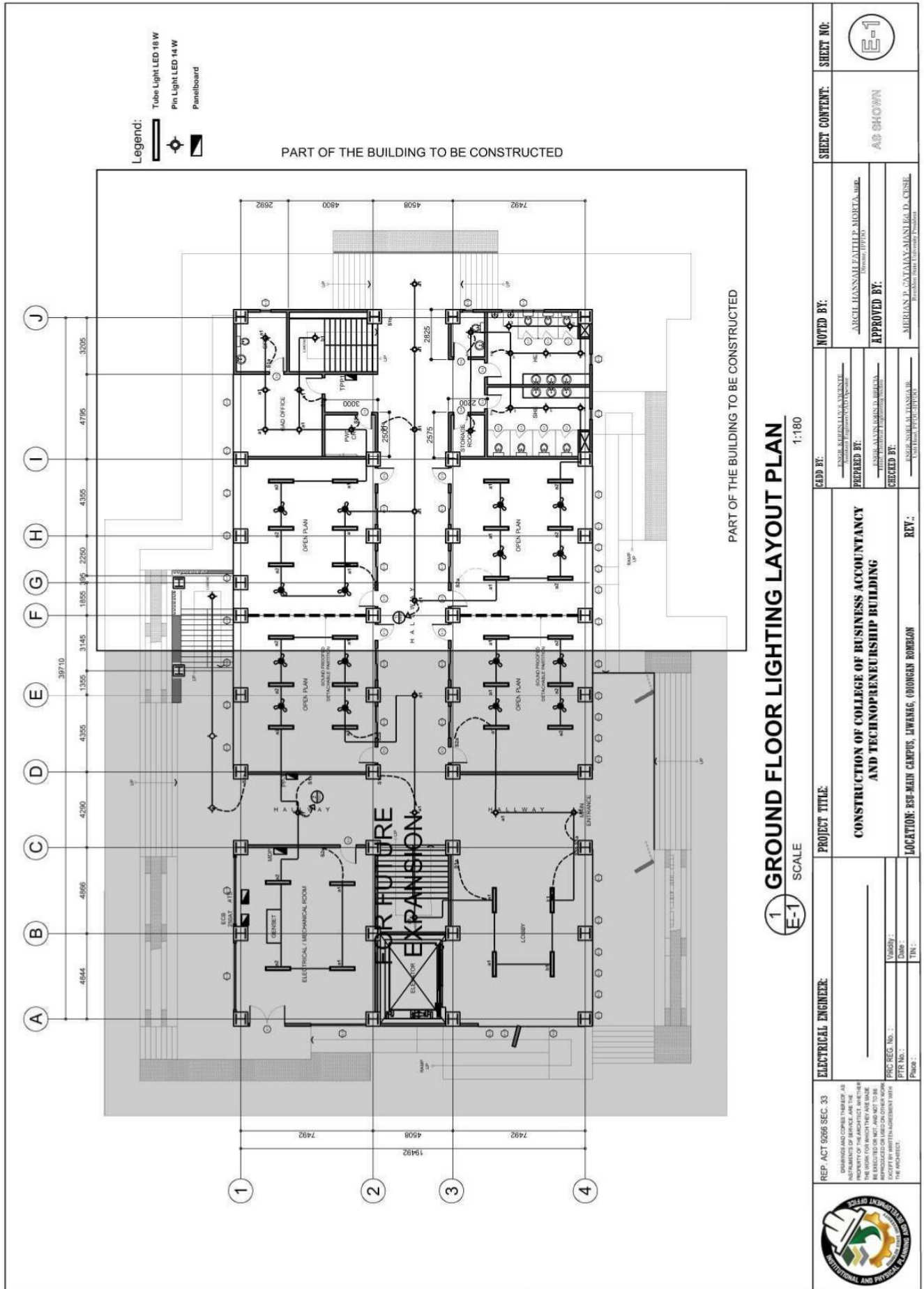
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**1** GROUND FLOOR LIGHTING LAYOUT PLAN  
 SCALE 1:180

ELECTRICAL ENGINEER _____ NAME: _____ TITLE: _____ PRC REG. NO.: _____ PTR No.: _____ Phno.: _____	PROJECT TITLE <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY                  AND TECHNOPRENEURSHIP BUILDING</b>	NOTED BY: _____ NAME: _____ TITLE: _____	SHEET CONTENT: AS SHOWN	SHEET NO: E-1
	REV. # _____ LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	APPROVED BY: _____ NAME: MIRIAM D. SUSTANAN TITLE: Director	CHECKED BY: _____ NAME: _____ TITLE: _____	PREPARED BY: _____ NAME: _____ TITLE: _____





# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

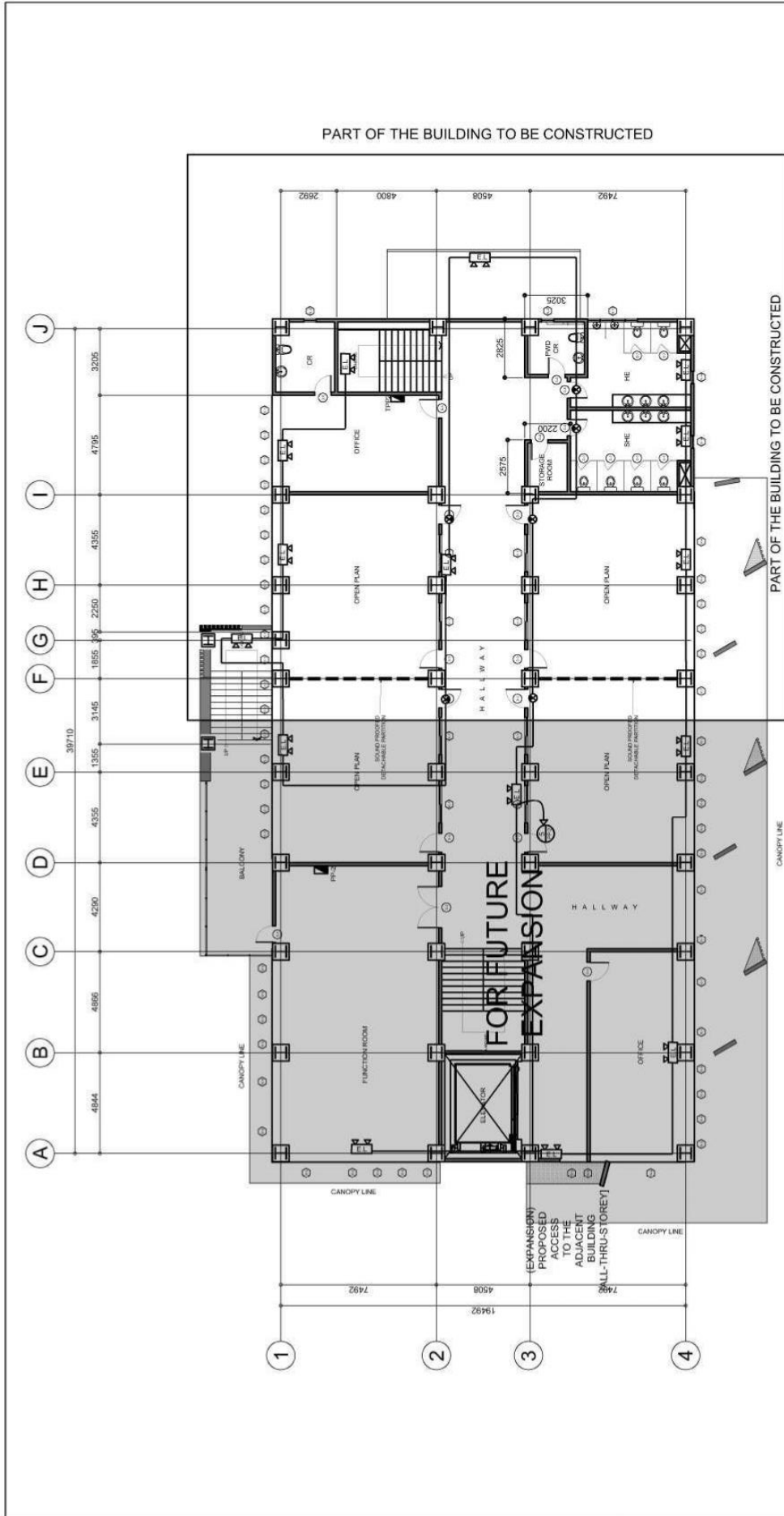
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**1 SECOND FLOOR EMERGENCY/EXIT LIGHT LAYOUT PLAN**  
 SCALE 1:180

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			<b>REVISIONS:</b> _____ _____ _____	<b>REVISIONS:</b> _____ _____ _____		



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

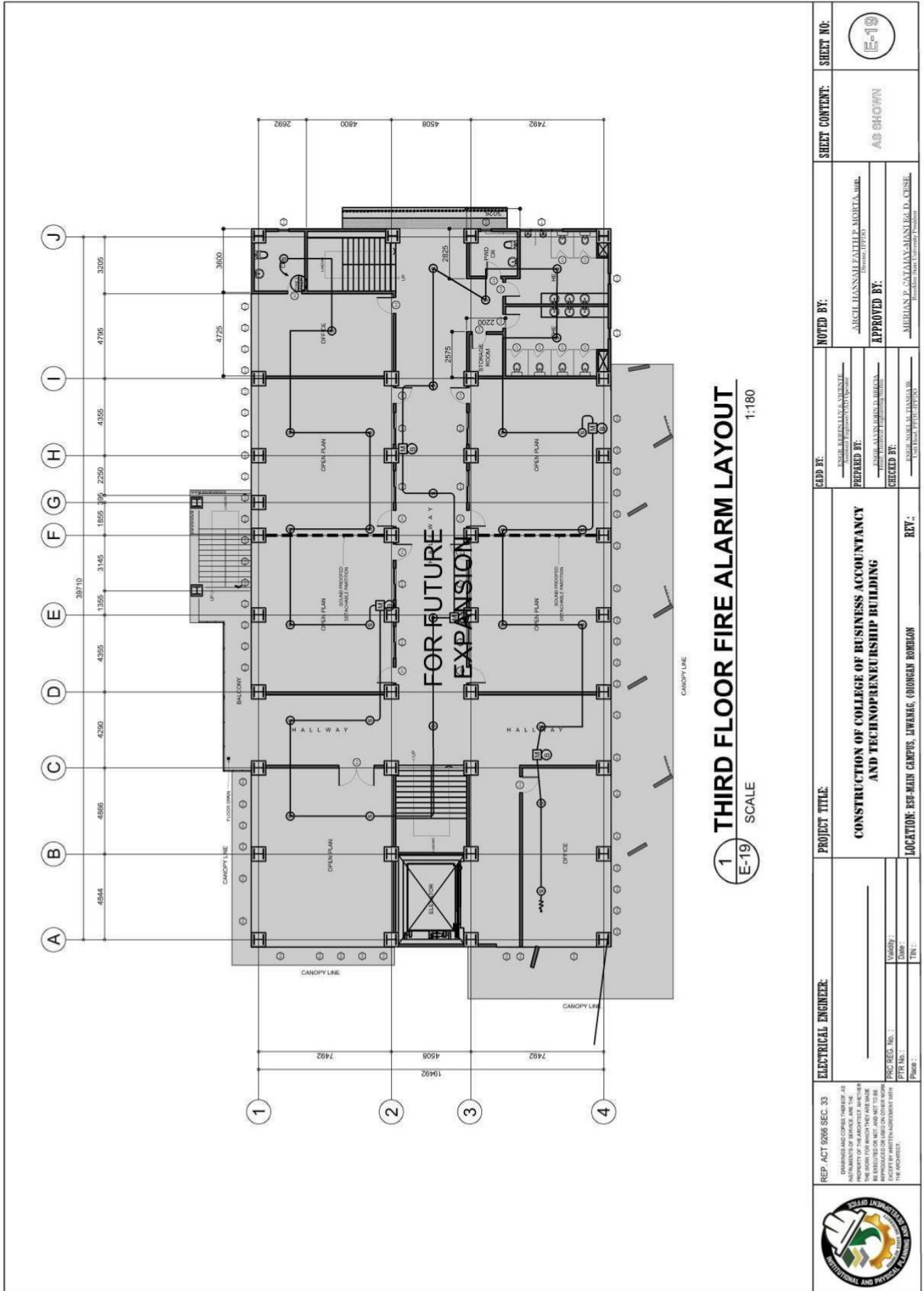
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**1** THIRD FLOOR FIRE ALARM LAYOUT  
 E-19 SCALE 1:180

REP. ACT 9266 SEC. 33 ORDINANCES AND CODES THEREOF AS AMENDED AND COMPLYING WITH ALL THE INSTRUCTIONS OF SERVICE AND THE PROVISIONS OF THE ARCHITECT AND OTHER LAWS AND REGULATIONS GOVERNING THE WORK FOR WHICH THEY ARE MADE AND WHICH ARE SPECIFICALLY REFERRED TO IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS BY WRITTEN AGREEMENT WITH THE ARCHITECT.	<b>ELECTRICAL ENGINEER:</b>  _____ V. No. : _____ PTR. No. : _____ Phone : _____	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>NOTED BY:</b> _____ <b>APPROVED BY:</b> _____ _____ _____ _____	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> E-19
<b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON		<b>REV.:</b> _____			







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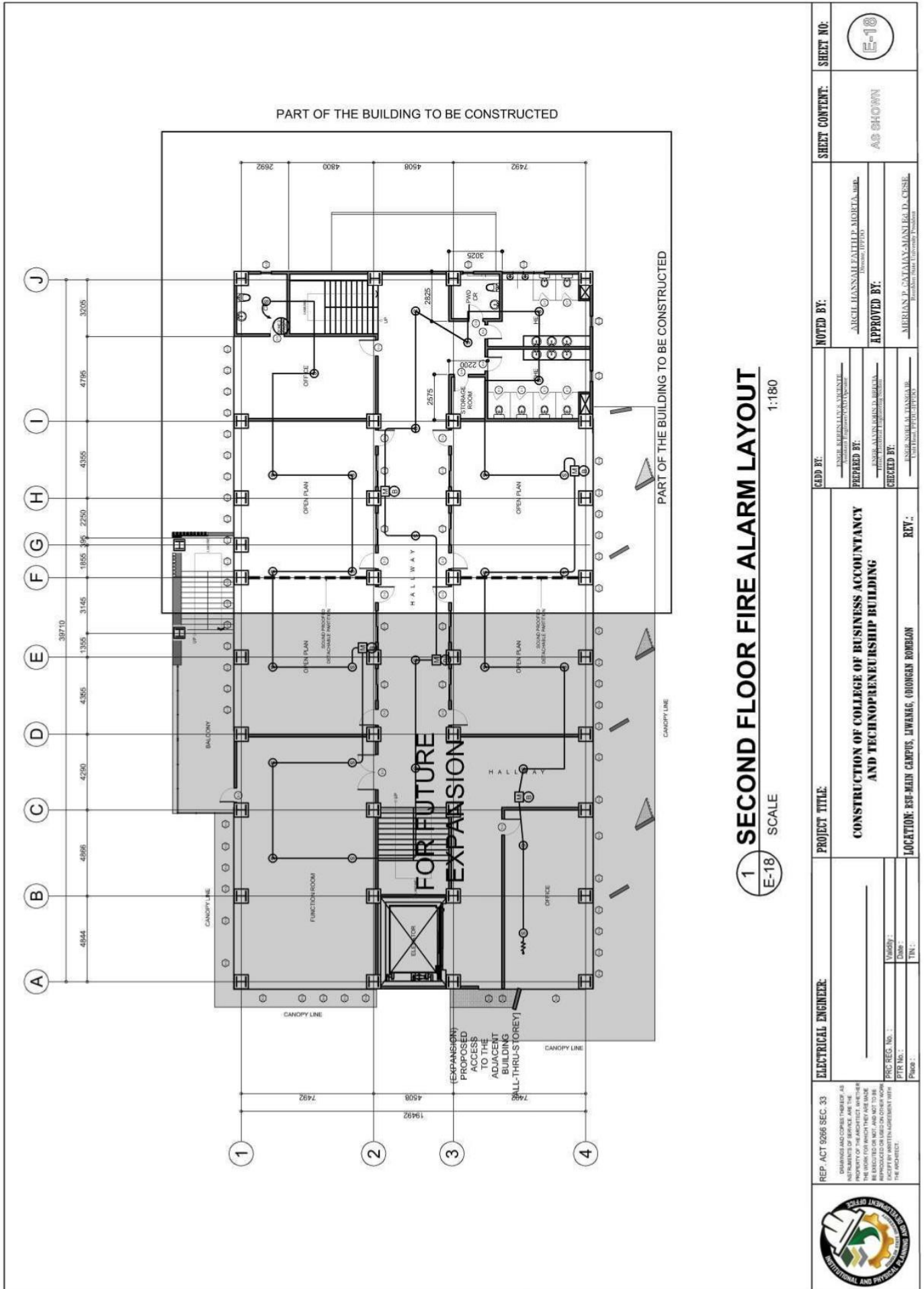
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**1 SECOND FLOOR FIRE ALARM LAYOUT**  
 SCALE 1:180

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	<b>REVISIONS:</b> No.   Description   Date   By				
<b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REV.:</b> _____	<b>REVISIONS:</b> No.   Description   Date   By	<b>NOTED BY:</b> _____ <b>APPROVED BY:</b> _____ _____ _____	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> E-18



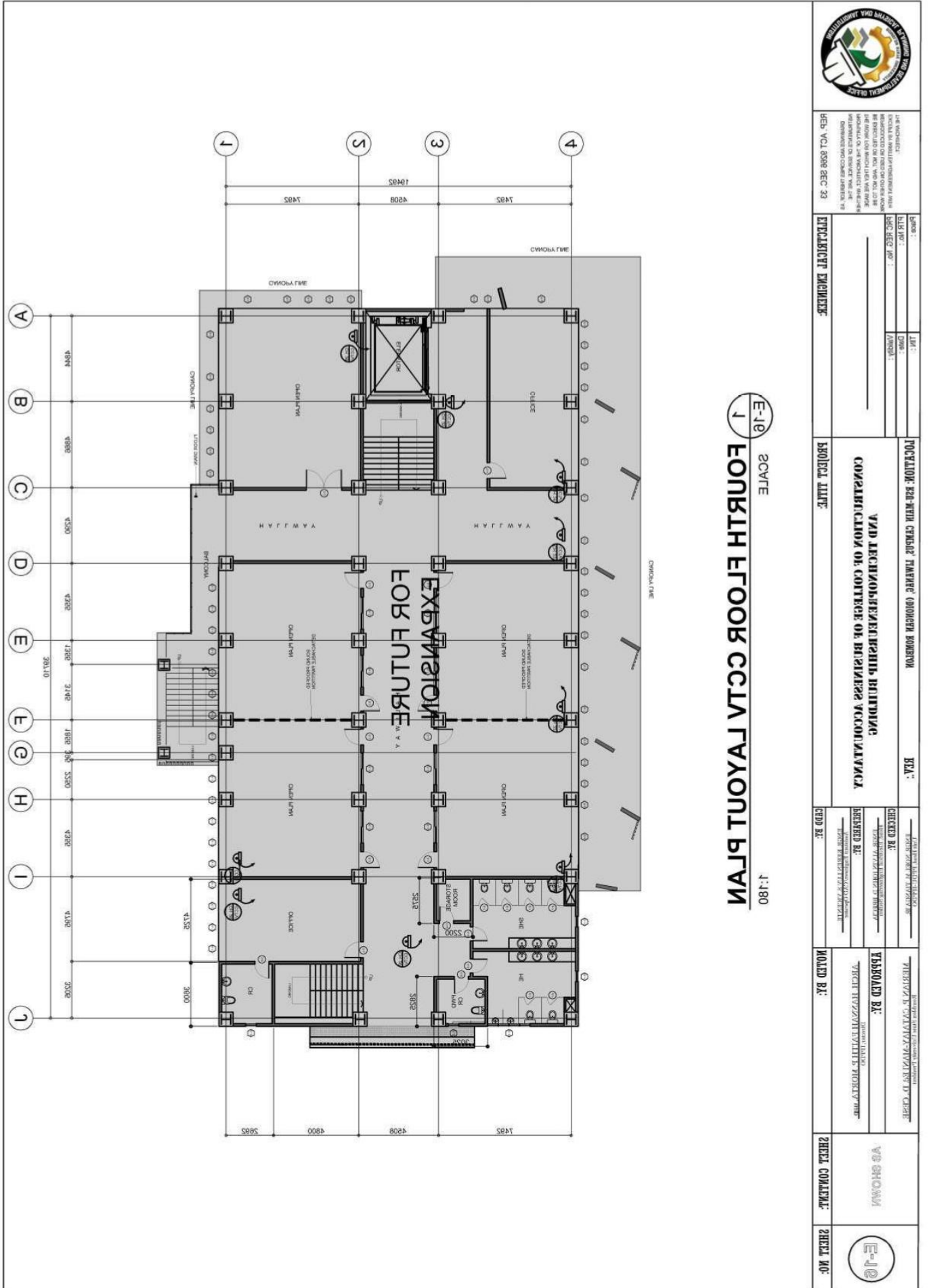


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**E-10**  
**1**  
**FOURTH FLOOR SCAFF LAYOUT PLAN**  
 SCALE 1:180



REP. VOL. 8098 SEC. 33  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL ENGINEERING

PROJECT TITLE:  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOMMODATION**

LOCATION: **ROMBLON STATE UNIVERSITY - LIWANAG CAMPUS**

DESIGNED BY:  
 CHECKED BY:  
 APPROVED BY:

ISSUED BY:  
 SHEET NO.:

SHEET CONTENT:  
**E-10**

SHEET NO.:



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

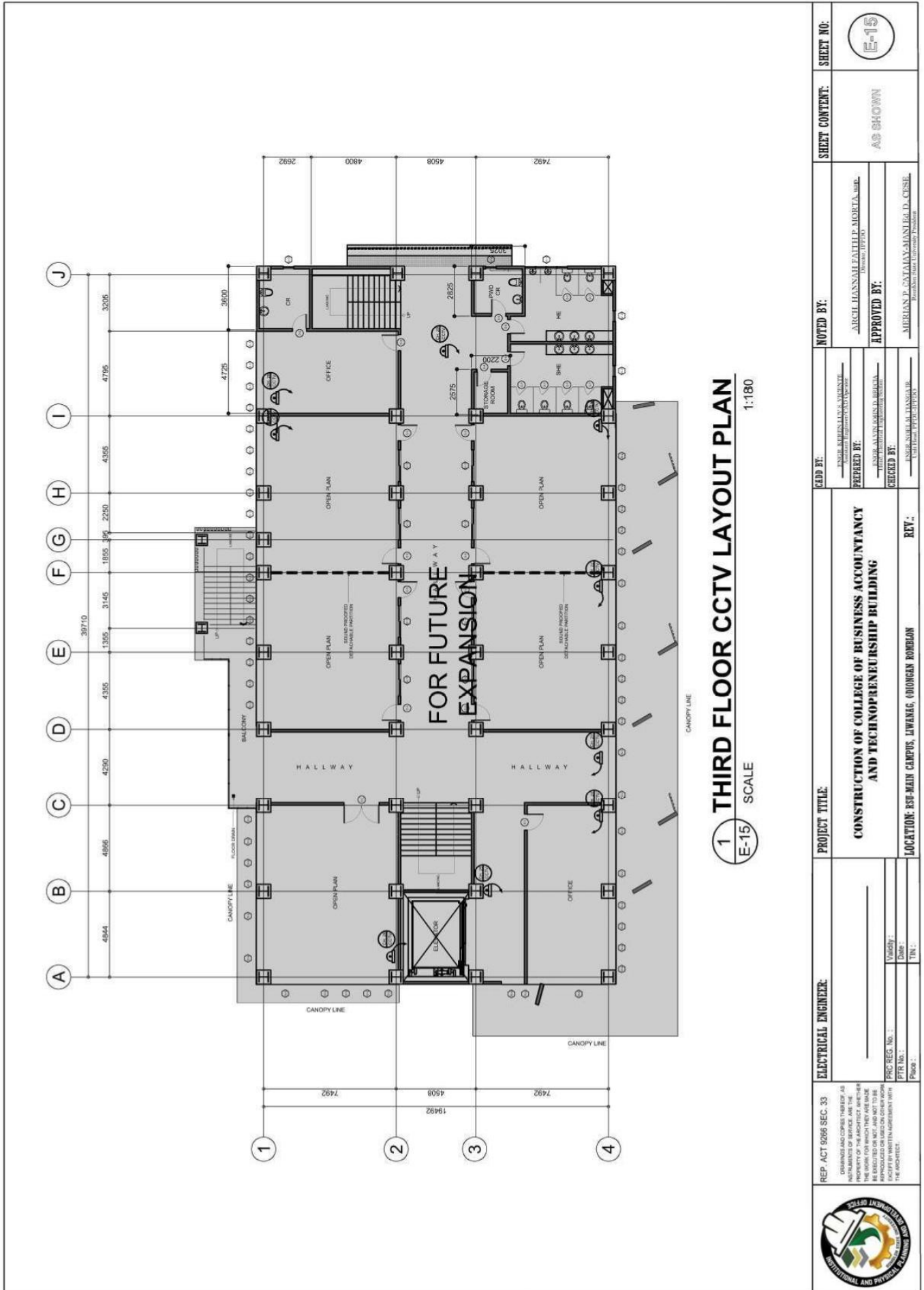
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<b>ADD BY:</b> ENGR. ARDEN LAYLA S. ALANTE Licensed Professional Architect	<b>PREPARED BY:</b> ENGR. ALAN MARCEL B. BRAGA Licensed Professional Architect	<b>REVISIONS:</b> NO. : DATE : BY :	<b>REVISIONS:</b> NO. : DATE : BY :	<b>SCALE:</b>  <b>1:180</b>





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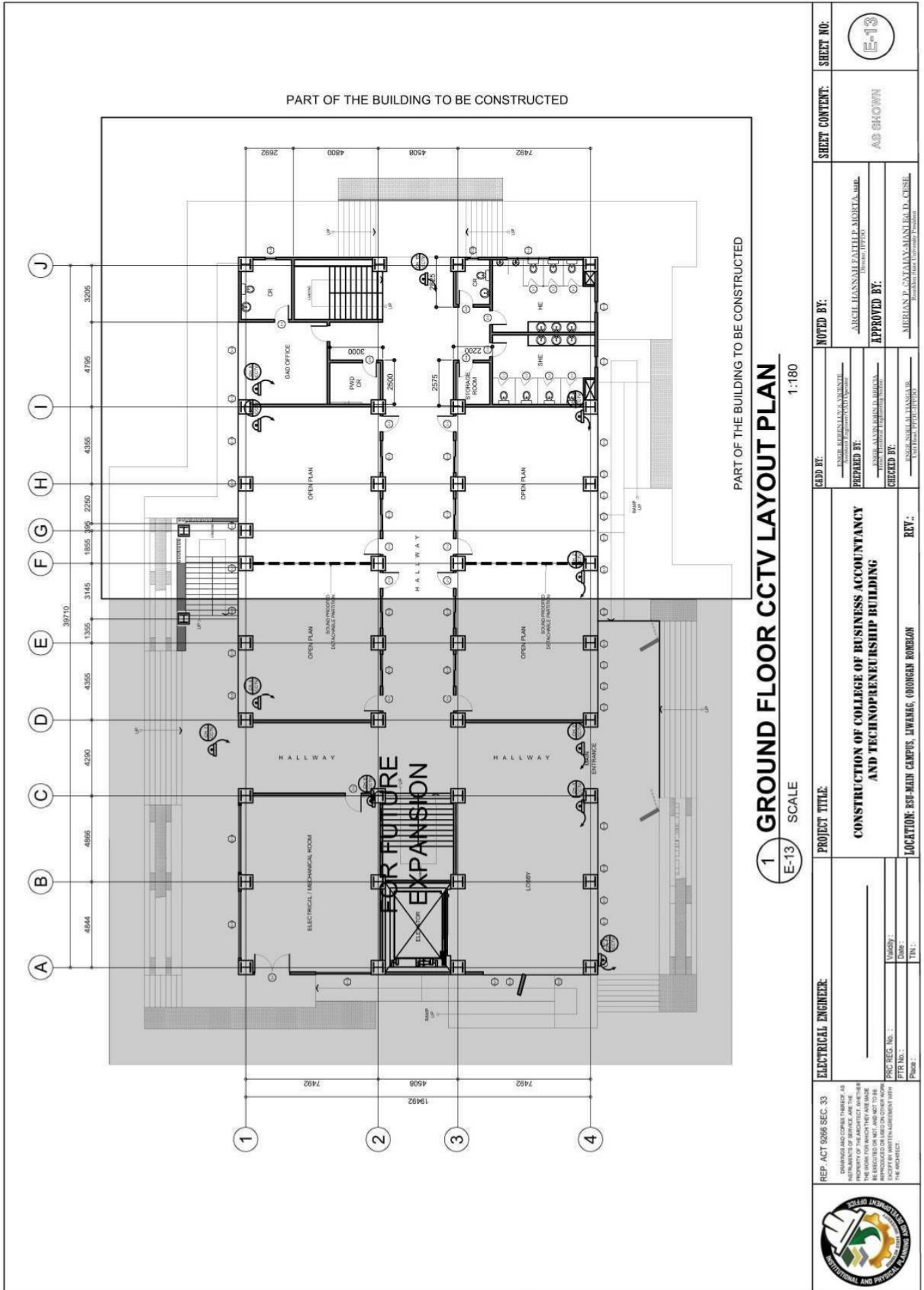
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**1** GROUND FLOOR CCTV LAYOUT PLAN  
SCALE 1:180

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	<b>ADD BY:</b> _____ Assistant Architect/UPD Architect	<b>PREPARED BY:</b> _____ Assistant Architect/UPD Architect	<b>APPROVED BY:</b> _____ Assistant Architect/UPD Architect	<b>APPROVED BY:</b> _____ Assistant Architect/UPD Architect	<b>REVISIONS:</b> _____ Assistant Architect/UPD Architect



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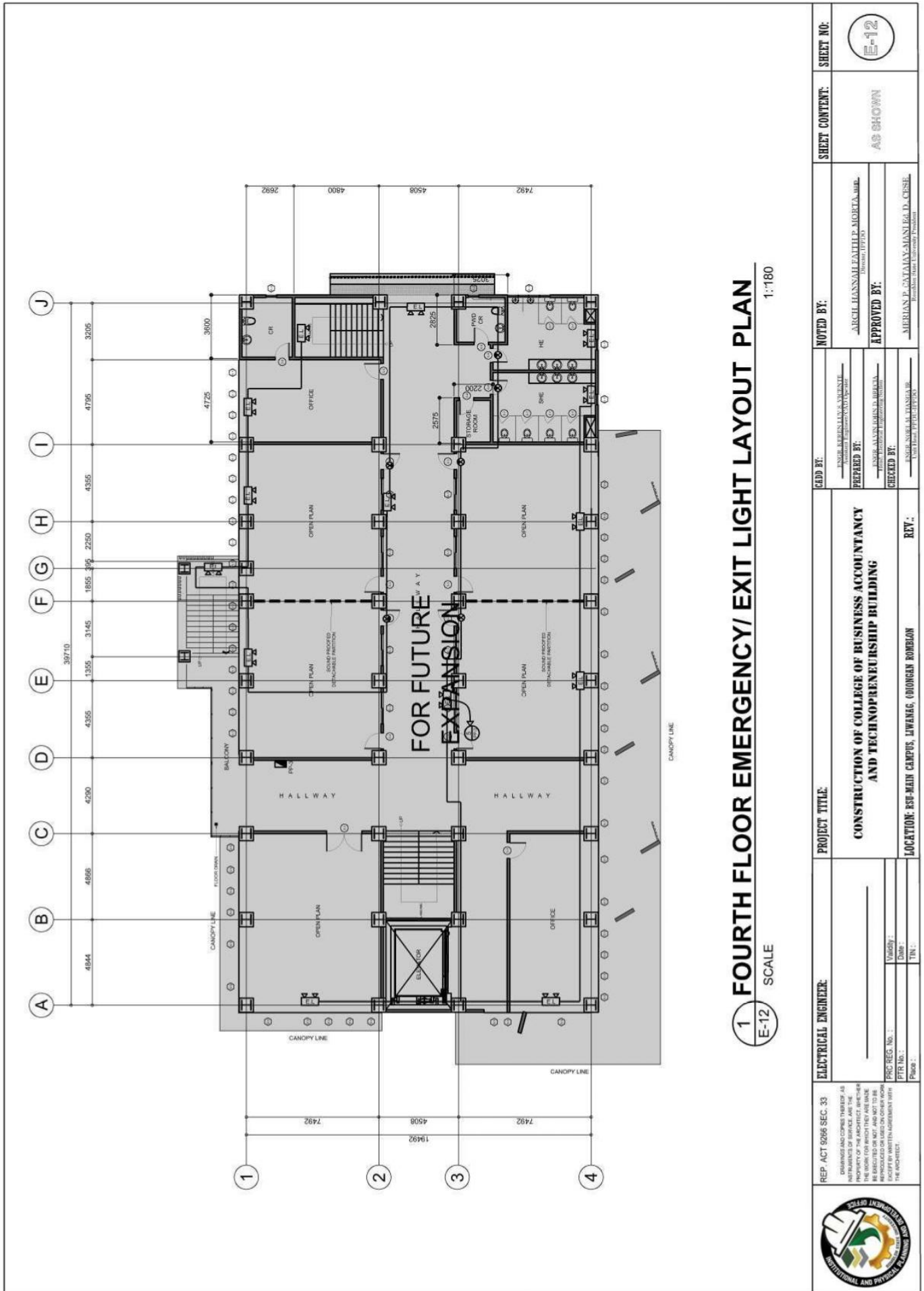
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**1** FOURTH FLOOR EMERGENCY/ EXIT LIGHT LAYOUT PLAN  
E-12 SCALE 1:180

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	<b>PREPARED BY:</b> ESPERANZA MARIN D. BELICIA <small>UPD/DO</small>	<b>APPROVED BY:</b> MERIAN P. AMATAKAY-MANILA, D. CHSEL <small>President, Romblon State University President</small>	<b>LOCATION:</b> ESP-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REVISIONS:</b>	<b>REVISIONS:</b>



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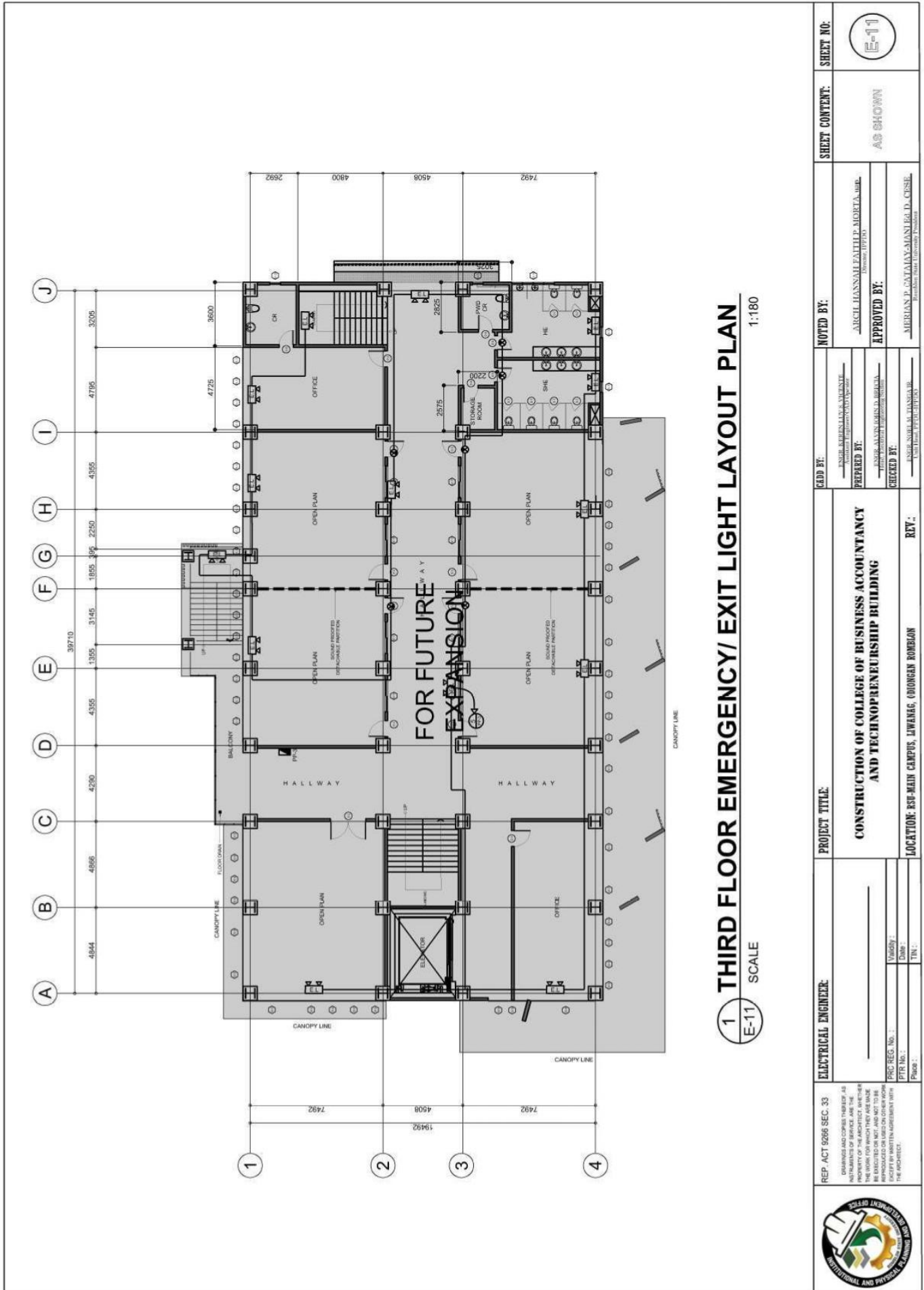
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**1** THIRD FLOOR EMERGENCY/EXIT LIGHT LAYOUT PLAN  
 SCALE 1:180

REP. ACT 9266 SEC. 33 <small>CHANGES AND CORRECTIONS TO THE ORIGINAL DRAWINGS AND COPIES THEREOF AS AUTHORIZED BY THE ARCHITECT ARE THE RESPONSIBILITY OF THE ARCHITECT. THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE CONSIDERED AS A BASIS FOR ANY CLAIMS AGAINST THE ARCHITECT.</small>	<b>ELECTRICAL ENGINEER:</b> _____ (Signature) _____ (Date)	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING</b>	<b>NOTED BY:</b> _____ (Signature) <b>APPROVED BY:</b> _____ (Signature)	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> E-11
	<b>PREPARED BY:</b> _____ (Signature) <b>CHECKED BY:</b> _____ (Signature)	<b>REV.:</b> _____ (Signature)	<b>LOCATION:</b> RSP-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>APPROVED BY:</b> _____ (Signature) <b>APPROVED BY:</b> _____ (Signature)	<b>APPROVED BY:</b> _____ (Signature)







# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

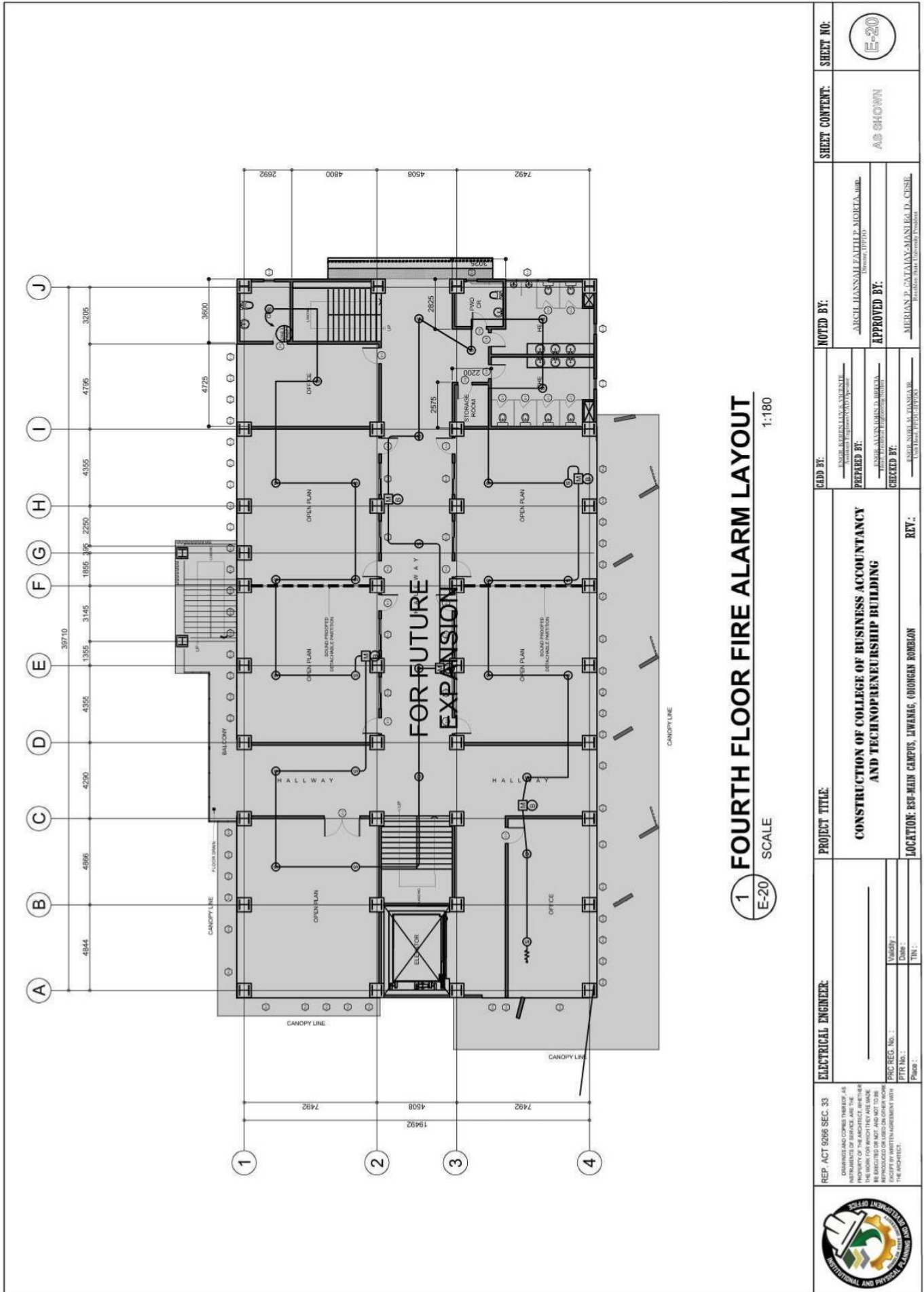
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	<b>ADD BY:</b> _____ <b>PREPARED BY:</b> _____ <b>CHECKED BY:</b> _____	<b>REVISIONS:</b> _____ _____ _____	<b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REV.:</b> _____	<b>NOTED BY:</b> _____ <b>APPROVED BY:</b> _____ _____ _____ _____	<b>SHEET CONTENT:</b> AS SHOWN



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## Romblon State University PANEL BOARD SCHEDULE

<b>PROJECT :</b>	CBAT	<b>PREPARED BY:</b>	AJB
<b>DESIGNATION:</b>	BUS BAR GUTTER	<b>ENCLOSURE :</b>	NEMA 12
<b>SYSTEM:</b>	230V, 1Ø, 60Hz	<b>MOUNTING :</b>	WALL MOUNTED
<b>MIN. I.C.:</b>		<b>FEED IN :</b>	
		<b>OUT :</b>	

Load Description	LOAD		CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS
	VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Core)	GND	SIZE (mm Ø)	TYPE	
1 TPP1	12722	55.28	100	100	2	THHN	22 x 2	8.0	25	PVC	
2 TPP2	12926	56.17	100	100	2	THHN	22 x 2	8.0	25	PVC	
<b>TOTAL</b>	<b>25,648.00</b>	<b>111.45</b>									

**Ic** = 111.45A  
**If** = 111.45 x 1.25  
**Icb** = 111.45 x 1.25  
**Total KVA:**  
 @ 80% Transformer Loading Limit:

**Emergency Breaker :** 150 AT. 150 AF. 2 P. 230 V  
**Feeder :** THHN 60mm<sup>2</sup> x 2, +E14.0 VIA PVC  
**Calculation :**  
**USE:** 150AF bus terminal

**USE:** 1-37.5kVA, 7.6kV/230V, 60Hz single phase pole mounted transformer

REF. ACT 6088 SEC. 33 CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE WORKS AND TO MAINTAIN THE WORKS IN GOOD ORDER AND TO BE RESPONSIBLE FOR THE PROTECTION OF THE WORKS.	<b>ELECTRICAL ENGINEER</b>	<b>PROJECT TITLE</b>	<b>NOTED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO.:</b>
	Validity: _____ Date: _____ P/R No.: _____ Place: _____	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	PREPARED BY: _____ CHECKED BY: _____	JACHEL HANNAH FAITH P. MOSTA DENVER TRIGO	AS SHOWN
	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REV.:</b>	APPROVED BY: _____ MERLIAN P. CATAVA MANTUEL D. CEBE Romblon State University President		



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT:** CBAT  
**DESIGNATION:** TPP2  
**SYSTEM:** 230V, 1Ø, 60Hz  
**MIN. I.C.:** \_\_\_\_\_

**PREPARED BY:** AJB  
**ENCLOSURE:** NEMA 12  
**MOUNTING:** PAD MOUNTED  
**FEED IN:** \_\_\_\_\_  
**OUT:** \_\_\_\_\_

Load Description	LOAD		CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS
	VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Qty.)	GND	SIZE (mm Ø)	TYPE	
1 Lightings	524	2.28	20	50	2	THHN	2.0 x 2	2.0	15	PVC	
2 C.O. x 9	1620	7.04	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
3 Emergency Lights	60	0.26	20	50	2	THHN	2.0 x 2	2.0	15	PVC	
4 ACU 1.5hp	1398	6.07	20	50	2	THHN	3.5 x 2	2.0	15	PVC	
5 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
6 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
7 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
8 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
<b>TOTAL</b>	<b>12,926.00</b>	<b>56.17</b>									

**Ic** = 56.17A      **Main Breaker** : 100 AT, 100 AF, 1 P, 230 V  
**If** 56.17 x 1.25      **Feeder** : THHN 22mm<sup>2</sup> x 2, +E8.0 VIA PVC  
**Icb** 56.17 x 1.25 + 2.5\*10.13      **Calculation** :

	<b>REP. ACT 0986 SEC. 33</b>	<b>ELECTRICAL ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>NOTED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO.:</b>
	<small>REVISIONS AND CORRECTIONS TO THE INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT, ENGINEER, CONTRACTOR OR SUPPLIER AND NOT TO BE REPRODUCED OR USED ON OTHER WORK WITHOUT THE WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<small>PROF. REG. NO.:</small> <small>PR. NO.:</small> <small>PLATE:</small>	<small>NAME:</small> <small>DATE:</small> <small>TIN:</small>	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b> <b>LOCATION: EST-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</b>	<small>NAME:</small> <small>DATE:</small>	<b>AC SHOWN</b>
				<small>NAME:</small> <small>DATE:</small>	<small>NAME:</small> <small>DATE:</small>	



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** TPPI  
**SYSTEM:** 230V, 1Ø, 60Hz  
**MIN. I.C.:** \_\_\_\_\_  
**PREPARED BY:** AJB  
**ENCLOSURE :** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN :** \_\_\_\_\_  
**OUT :** \_\_\_\_\_

Load Description	LOAD		CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS
	VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Core)	GND	SIZE (mm Ø)	TYPE	
1 Lightings	500	2.17	20	50	2	THHN	2.0 x 2	2.0	15	PVC	
2 C.O. x 8	1440	6.26	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
3 Emergency Lights	60	0.26	20	50	2	THHN	2.0 x 2	2.0	15	PVC	
4 ACU 1.5hp	1398	6.07	20	50	2	THHN	3.5 x 2	2.0	15	PVC	
5 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
6 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
7 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
8 ACU 2.5hp (future)	2331	10.13	30	50	2	THHN	3.5 x 2	2.0	15	PVC	
<b>TOTAL</b>		<b>12,722.00</b>									

**Ic** = 55.28A      **Main Breaker** : 100 AT, 100 AF, 1 P, 230 V  
**If** 55.28 x 1.25      **Feeder** : THHN 22mm<sup>2</sup> x 2, +E8.0 VIA PVC  
**Icb** 55.28 x 1.25 + 2.5\*10.13      **Calculation** :

	<b>REP. ACT 6986 SEC. 33</b> <small>DUPLICATION AND COPIES THEREOF, IN WHOLE OR IN PART, ARE STRICTLY PROHIBITED. THE WORKS OF THE ARCHITECT SHALL BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.</small>	<b>ELECTRICAL ENGINEER</b> _____ Verify: _____ Date: _____ PPR REG. No.: _____ PTER No.: _____ Place: _____	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNORENUERSHIP BUILDING</b>	<b>CLD BY:</b> DESIGNED BY: _____ PREPARED BY: _____ CHECKED BY: _____ DRAWN BY: _____	<b>NOTED BY:</b> _____ <b>APPROVED BY:</b> _____ _____ _____	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> 
	<b>LOCATION:</b> ESP-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON		<b>REV.:</b>				



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
 Telephone: (042) 567-5952  
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 Website: rsu.edu.ph



Management System  
 ISO 9001:2015



www.tuv.com  
 ID 9000018803

## Romblon State University PANEL BOARD SCHEDULE

PROJECT : CBAT  
 DESIGNATION : MDP (future)  
 SYSTEM : 400V, 3Ø, 60HZ  
 MIN. I.C. :  
 PREPARED BY: AJB  
 ENCLOSURE : NEMA 12  
 MOUNTING : PAD MOUNTED  
 FEED IN :  
 OUT :

Load Description	LOAD			AMPERES			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS
	Total (VA)	3Ø	OAN	OBN	OCN	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Dia.)	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
1 PPI	30,233.00	0	43.07	43.03	45.25	100	110	3	THHN	22 x 4	8.0	15	PVC		
2 PPI	33,662.00	0	50.99	47.05	50.56	100	110	3	THHN	22 x 4	8.0	15	PVC		
3 PPI	37,424.00	0	58.89	50.8	52.87	100	110	3	THHN	22 x 4	8.0	15	PVC		
5 PPI	38,394.00	0	58.94	51.28	56.77	100	110	3	THHN	22 x 4	8.0	15	PVC		
6 Elevator	20,000.00	28.86				60	60	3	THHN	8.0 x 4	3.5	15	PVC		
7 Fire Pump (jockey)	1865			8.11		30	30	1	THHN	3.5 x 2	2.0	15	PVC		
8 water pump	2500			10.86		30	30	1	THHN	3.5 x 2	2.0	15	PVC		
9 Spare	1500				6.52	30	30	3	THHN	3.5 x 2	2.0	15	PVC		
10 Spalte						30	30	3	THHN						
<b>TOTAL</b>	<b>165,578.00</b>	<b>28.86</b>	<b>211.89</b>	<b>211.13</b>	<b>211.97</b>										

Ic = 28.86+(211.97) = 240.83 A  
 @ 80% DF = 240.83\*0.8 = 192.66 A  
 If (192.66-58.94)+(1.25\*58.94) = 207.39 A  
 Icb (192.66-58.94)+100 = 233.72 A  
 total kVA: = 165.57 kVA  
 @ 80% Demand Factor: = 132.45 kVA  
 @ 80% TR Loading Limit: = 165.57 kVA  
 @ 70% Genset Loading Limit: = 236.52 kVA  
 USE: 200kVA, 13.2KV/400V 3 phase with neutral, Pad mounted cabinet type oil immersed transformer  
 250kVA, 400V/230V,3 phase, 60Hz, Silent Type Diesel Generator  
 Main Breaker : 250 AT, 250 AF, 3 P, 400 V  
 Feeder : THHN 1-125mm<sup>2</sup> x 3, + N125mm<sup>2</sup> + E22mm<sup>2</sup> VIA PVC Conduit  
 Calculation :  
 USE: 250AF Neutral Bus Terminal

	REP. ACT 6989 SEC. 33	ELECTRICAL ENGINEER	PROJECT TITLE:	NOTED BY:	SHEET CONTENT:	SHEET NO.:
	<small>           I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ROMBLON, PHILIPPINES, AND I AM THE PROPERTY OF THE AGENCY, WHETHER OR NOT I AM CURRENTLY ENGAGED IN ANY PROJECT. THIS STATEMENT IS NOT TO BE REPRODUCED OR USED ON OTHER WORKS WITHOUT THE WRITTEN PERMISSION OF THE AGENCY.         </small>	<small>           REGISTERED PROFESSIONAL ENGINEER            ELECTRICAL ENGINEERING            REGISTERED NO. :            PTR No. :            DATE :            PLACE :         </small>	<small>           REGISTERED PROFESSIONAL ENGINEER            ELECTRICAL ENGINEERING            REGISTERED NO. :            PTR No. :            DATE :            PLACE :         </small>	CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING LOCATION: BSU-MAIN CAMPUS, LIWANAG, ODIONGAN, ROMBLON	_____ _____ _____ _____ _____	AS SHOWN
				G.A.D. BY: _____ CHECKED BY: _____ APPROVED BY: _____	_____ _____ _____	_____ _____ _____



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
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 ID 900018803

## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** PP4 (future)  
**SYSTEM:** 400V, 3Ø, 60HZ  
**MIN. I.C.:** \_\_\_\_\_

**PREPARED BY:** AJB  
**ENCLOSURE :** NEMA 12  
**MOUNTING :** PAD MOUNTED  
**FEED IN :** \_\_\_\_\_  
**OUT :** \_\_\_\_\_

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS
	VA	3Ø	AMPERES OAN OBN OCN	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Obs.)	GND	SIZE (mm Ø)	TYPE	
1 Lightings	510		2.22	20	50	1	THHN	2.0 x 2	2.0	15	PVC	
2 Lightings	516		2.4	20	50	1	THHN	2.0 x 2	2.0	15	PVC	
3 C.O. x 8	1440			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
4 C.O. x 15	2700			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
5 Emergency Lights	60		0.26	20	50	1	THHN	2.0 x 2	2.0	15	PVC	
6 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
7 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
8 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC	
9 ACU 2.0hp	1865			20	50	1	THHN	3.5 x 2	2.0	15	PVC	
10 ACU 1.5hp	1398			20	50	1	THHN	3.5 x 2	2.0	15	PVC	
11 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
12 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
13 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
14 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
15 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
16 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
17 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
18 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
19 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
20 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC	
11 Spare	1000			30	50	1	THHN	3.5 x 2	2.0	15	PVC	
12 Space				30	50	1	THHN	3.5 x 2	2.0	15	PVC	
<b>TOTAL</b>	<b>38,394.00</b>	<b>-</b>	<b>58.94 51.28 56.77</b>									

**Ic** 0+(58.94) = 58.94 A  
**@ 80% DF** = 47.15 A  
**If** (47.15-10.13)+(1.25\*10.13) = 49.68A  
**Icb** (47.15-10.13)+30 = 67.02 A

**Main Breaker** : 100 AT, 100 AF, 3 P, 400V V  
**Feeder** : THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8.0mm<sup>2</sup> VIA PVC conduit  
**Calculation** :  
**USE:** 100AF Neutral Bus

	<b>REP. ACT 6268 SEC. 33</b> <small>DESIGN AND CONSTRUCTION OF THE INSTALLATION OF SERVICE ARE THE RESPONSIBILITY OF THE ARCHITECT, WHETHER OR NOT HE IS REGISTERED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK WITHOUT THE ARCHITECT'S PERMISSION.</small>	<b>ELECTRICAL ENGINEER</b> _____ <small>DESIGN REG. NO. : _____          PRC No. : _____          Date : _____          Place : _____</small>	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNORENTURESHIP BUILDING</b>	<b>NOTED BY:</b> _____ <small>DESIGN REG. NO. : _____          PRC No. : _____          Date : _____          Place : _____</small>	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> E-24
	<b>LOCATION:</b> EST-MAIN CAMPUS, JUWABAR, ODIONGAN ROMBLON	<b>REV.:</b>	<b>APPROVED BY:</b> _____ <small>DESIGN REG. NO. : _____          PRC No. : _____          Date : _____          Place : _____</small>	<b>APPROVED BY:</b> _____ <small>DESIGN REG. NO. : _____          PRC No. : _____          Date : _____          Place : _____</small>	<b>APPROVED BY:</b> _____ <small>DESIGN REG. NO. : _____          PRC No. : _____          Date : _____          Place : _____</small>	<b>APPROVED BY:</b> _____ <small>DESIGN REG. NO. : _____          PRC No. : _____          Date : _____          Place : _____</small>



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
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Website: rsu.edu.ph



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** PP3 (future)  
**SYSTEM:** 400V, 3Ø, 60HZ  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE:** NEMA 12  
**MOUNTING:** PAD MOUNTED  
**FEED IN:**  
**OUT:**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS	
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Obs.)	GND	SIZE (mm)	TYPE		LENGTH (m)
		3Ø	ØAN										
1 Lightings	500	2.17		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
2 Lightings	456		1.98	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
3 C.O. x 8	1440			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
4 C.O. x 10	1800		7.8	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 Emergency Light	60		0.2	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
6 ACU 2.0hp	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
7 ACU 2.0hp	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
9 ACU 2.0hp	1865			20	50	1	THHN	3.5 x 2	2.0	15	PVC		
10 ACU 1.5hp	1398		6.07	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
13 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
14 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
15 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
16 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
17 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
18 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
19 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
20 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 Spare	1000		4.34	30	50	1							
12 Space				30	50	1							
<b>TOTAL</b>	<b>37,424.00</b>	<b>58.89</b>	<b>50.80</b>	<b>52.87</b>									

**ic** 0+(58.89)  
**@ 80% DF**  
58.89\*0.8  
**If** (47.11+10.13)+(1.25\*10.13)  
**Icb** (47.11+10.13)+30

**Main Breaker** : 100 AT, 100 AF, 3 P, 400V V  
**Feeder** : THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8.0mm<sup>2</sup> VIA PVC conduit  
**Calculation** :  
**USE:** 100AF Neutral Bus

	<b>REP. ACT 6986 SEC. 33</b> <small>ENGINEER AND OTHER PERSONS AS EMPLOYERS OR AS EMPLOYEES OF THE PROPERTY OF THE ARCHITECT, WHETHER OR NOT THE ARCHITECT IS A MEMBER OF THE BOARD OF ARCHITECTS, SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE WORK UNDER HIS SUPERVISION AND SHALL BE SUBJECT TO PENALTY AS PROVIDED IN THIS ACT.</small>	<b>ELECTRICAL ENGINEER</b> NAME AND OFFICE: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ REG. NO.: _____ EXPIRES: _____ TITLE: _____	<b>PROJECT TITLE</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b> <b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN, ROMBLON	<b>NOTED BY:</b> NAME: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ REG. NO.: _____ EXPIRES: _____ TITLE: _____	<b>APPROVED BY:</b> NAME: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ REG. NO.: _____ EXPIRES: _____ TITLE: _____	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> 
	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____	<b>REVISIONS:</b> NO. _____ DATE _____ BY _____ DESCRIPTION _____



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## Romblon State University PANEL BOARD SCHEDULE

**PROJECT :** CBAT  
**DESIGNATION:** PP2 (future)  
**SYSTEM:** 400V, 3Ø, 60HZ  
**MIN. I.C.:**

**PREPARED BY:** AJB  
**ENCLOSURE:** NEMA 12  
**MOUNTING:** PAD MOUNTED  
**FEED IN:**  
**OUT:**

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY			REMARKS
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Obs.)	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
		3Ø	OAN										
1 Lightings	500	2.17		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
2 Lightings	456		1.98	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
3 C.O. x 8	1440			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
4 C.O. x 7	1260		7.8	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 C.O. x 8	1440		6.3	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 Emergency Lights	60	0.2		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
6 ACU 2.0hp	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
7 ACU 2.0hp	1865		8.1	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.0hp	1865			20	50	1	THHN	3.5 x 2	2.0	15	PVC		
9 ACU 2.0hp	1865			20	50	1	THHN	3.5 x 2	2.0	15	PVC		
10 ACU 1.5hp	1398		6.07	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
13 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
14 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
15 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
16 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
17 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
18 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
19 Spare	1000		4.34	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
20 Space					50	1							
<b>TOTAL</b>	<b>33,662.00</b>	<b>50.99</b>	<b>47.05</b>	<b>50.56</b>									

**Main Breaker :** 100 AT, 100 AF, 100 AF, 3 P, 400V V  
**Feeder :** THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> + E8.0mm<sup>2</sup> VIA PVC conduit  
**Calculation :**  
**USE:** 100AF Neutral Bus

**Ic** 0+(60)  
 @ 80% DF  
 60\*0.8  
**If** (48-10.13)+(1.25\*10.13)  
**Icb** (48-10.13)+30

	<b>REP. ACT 0208 SEC. 33</b> <small>Individuals who exercise their right as members of the profession in the name and on behalf of the profession, whether in their own name or in the name of another person, shall be held responsible for the work they perform and shall be held liable for any damages caused by their negligence or willful misconduct.</small>	<b>ELECTRICAL ENGINEER</b> _____ <small>PRC REG. No. :          PTR No. :          Place :</small>	<b>PROJECT TITLE</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING</b>	<b>NOTED BY:</b> _____ <small>ARCH. HANSABE FAITH F. ADORTA, IAP          Licensed IAP</small>	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO.:</b> 
	<small>REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>CHECKED BY:</b> _____ <small>MEERIAN F. CATAVA, MANUEL D. CEBE          Romblon State University President</small>	<b>APPROVED BY:</b> _____	<b>LOCATION:</b> RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	<b>REV.:</b>	





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## Romblon State University PANEL BOARD SCHEDULE

PROJECT : CBAT  
DESIGNATION : PPI (future)  
SYSTEM: 400V, 3Ø, 60HZ.  
MIN. I.C.:

PREPARED BY: AJB  
ENCLOSURE : NEMA 12  
MOUNTING : PAD MOUNTED  
FEED IN :  
OUT :

Load Description	LOAD			CKT. PROTECTION			CONDUCTOR			RACEWAY		REMARKS	
	VA	AMPERES		AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Ch.)	GND	SIZE (mm Ø)	TYPE		LENGTH (m)
		3Ø	ØAN										
1 Lightings	524	2.27		20	50	1	THHN	2.0 x 2	2.0	15	PVC		
2 Lightings	458		2	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
3 C.O. x 9	1620			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
4 C.O. x 10	1800			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
5 Emergency Light	55		0.24	20	50	1	THHN	2.0 x 2	2.0	15	PVC		
7 ACU 2.0hp (phase2)	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
8 ACU 2.0hp (phase2)	1865	8.1		20	50	1	THHN	3.5 x 2	2.0	15	PVC		
9 ACU 1.5hp (phase 1)	1398		6.07	20	50	1	THHN	3.5 x 2	2.0	15	PVC		
10 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
11 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
12 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
13 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
14 ACU 2.5hp	2331	10.13		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
15 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
16 ACU 2.5hp	2331			30	50	1	THHN	3.5 x 2	2.0	15	PVC		
17 ACU 2.5hp	2331		10.13	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
18 Fire Alarm Control Panel	1000	4.34		30	50	1	THHN	3.5 x 2	2.0	15	PVC		
19 Spare	1000		4.34	30	50	1	THHN	3.5 x 2	2.0	15	PVC		
20 Space				30	50	1	THHN						
<b>TOTAL</b>		<b>43.07</b>	<b>43.04</b>									<b>45.25</b>	

Ic 0+(60) = 60 A  
@ 80% DF = 48 A  
If (48-10.13)+(1.25\*10.13) = 50.53A  
Icb (48-10.13)+30 = 67.87 A

Main Breaker : 100 AT. 100 AF. 3 P. 400V V  
Feeder : THHN 1-22mm<sup>2</sup> x 3, + N22mm<sup>2</sup> +E8.0mm<sup>2</sup> VIA PVC conduit  
Calculation :

USE: 100AF Neutral Bus

	<b>REPUBLIC ACT 6968 SEC. 33</b> <small>REGISTERED PROFESSIONAL ENGINEER AS AUTHORIZED BY THE BUREAU OF FIRE UNDER THE AUTHORITY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH HE OR SHE IS REGISTERED OR NOT, OR OTHERWISE, SHALL BE PROHIBITED OR USED IN OTHER WORK UNLESS HE OR SHE IS REGISTERED WITH THE ARCHITECT.</small>	<b>ELECTRICAL ENGINEER</b> PROJECT TITLE: <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	LOCATION: RSU MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	RET.:	
	Validity: _____ Date: _____ TIN: _____	PRO REG. No.: _____ PTR No.: _____ Piece: _____	CLAD BY: BOSS KESSELLE S. ANDRÉS Architect/Engineer/Inspector PREPARED BY: BOSS KESSELLE S. ANDRÉS ARCHITECT/ENGINEER/INSPECTOR CHECKED BY: BOSS KESSELLE S. ANDRÉS ARCHITECT/ENGINEER/INSPECTOR	NOTED BY: ARCH. HANNAH L. FAITH P. MORTA, JR. DESIGNER APPROVED BY: MERIAN P. CATAAY-MANUEL, D. CESE Romblon State University President	SHEET CONTENT: AS SHOWN



# ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505  
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Email: bac@rsu.edu.ph  
Website: rsu.edu.ph



Management System  
ISO 9001:2015



www.tuv.com  
ID 900018803

**Legend:**  
— Future (Not Ready)  
— Existing (Included in scope of work)

**1** SINGLE LINE DIAGRAM  
E-29

SCALE 1:180

<b>PROJECT TITLE:</b>	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>SHEET NO.:</b>	<b>E-29</b>
<b>PROJECT LOCATION:</b>	<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	<b>NOTED BY:</b>	<b>AS SHOWN</b>
<b>DESIGNED BY:</b>	ENGR. MERCEDES A. MARTEL	<b>DESIGNED BY:</b>	ENGR. MERCEDES A. MARTEL
<b>CHECKED BY:</b>	ENGR. MERCEDES A. MARTEL	<b>CHECKED BY:</b>	ENGR. MERCEDES A. MARTEL
<b>APPROVED BY:</b>	ENGR. MERCEDES A. MARTEL	<b>APPROVED BY:</b>	ENGR. MERCEDES A. MARTEL
<b>REVISIONS:</b>		<b>REVISIONS:</b>	

Please be advised that this bid bulletin is issued to amend the Electrical Plan in all attached/associated documents. This shall be an integral part of the Bid Documents.

For information and guidance of all concerned.

**ATTY. GLENN NIÑO M. SARTILLO**  
 BAC Chairperson