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**ENGINEER:**  
 PRC REG. NO.:  
 PTR No.:  
 Place:

**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLEADERSHIP BUILDING**  
 LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS

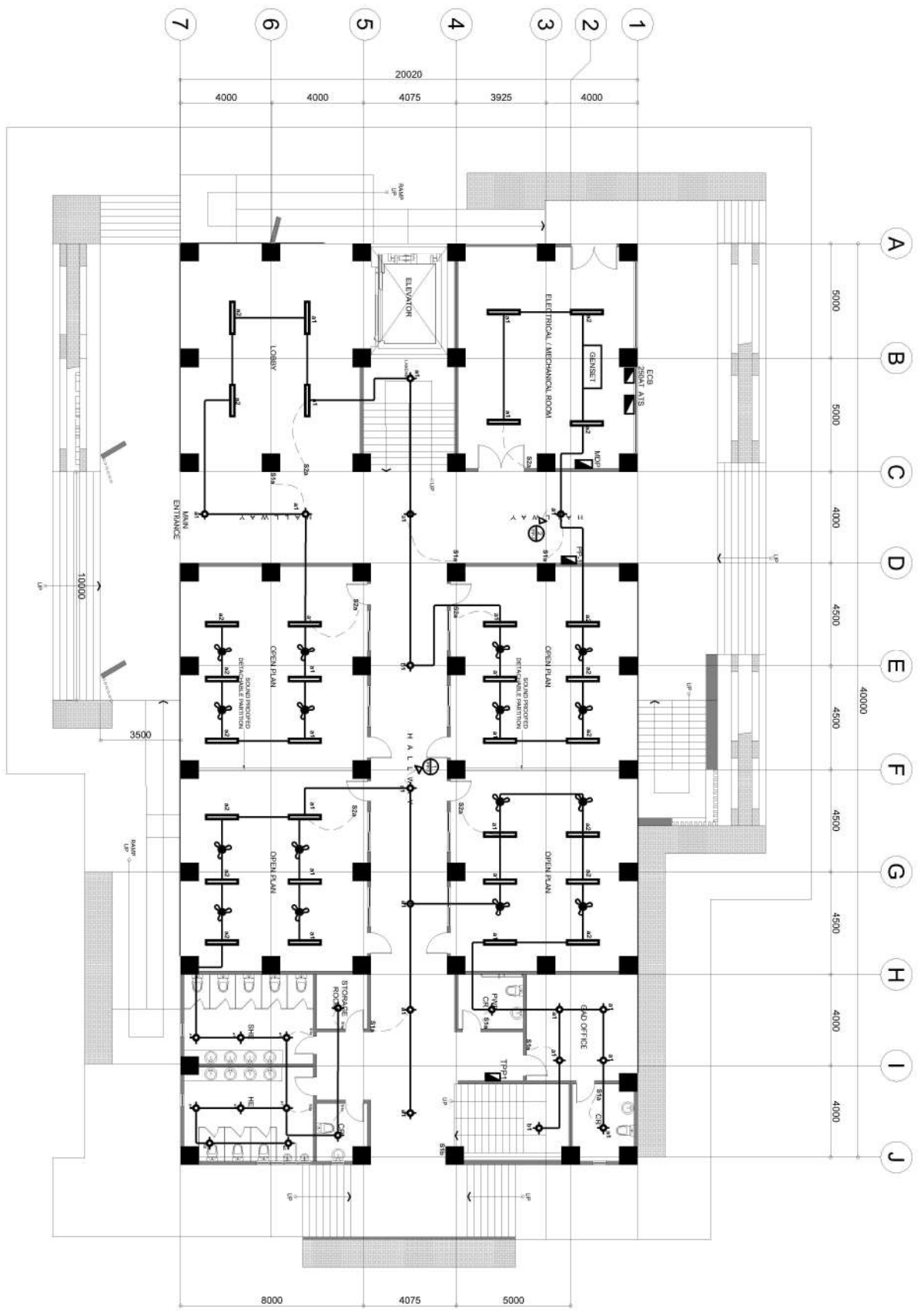
**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MIRIAM P. CATAJAN-MAÑALIG, J.D., CRSE

**SHEET CONTENT:** AS SHOWN  
**SHEET NO.:** E-1

# 1 GROUND FLOOR LIGHTING LAYOUT PLAN

E-1 SCALE 1:180



**Legend:**  
 Tube LightLED 18 W  
 Pin Light LED 14 W  
 Panelboard



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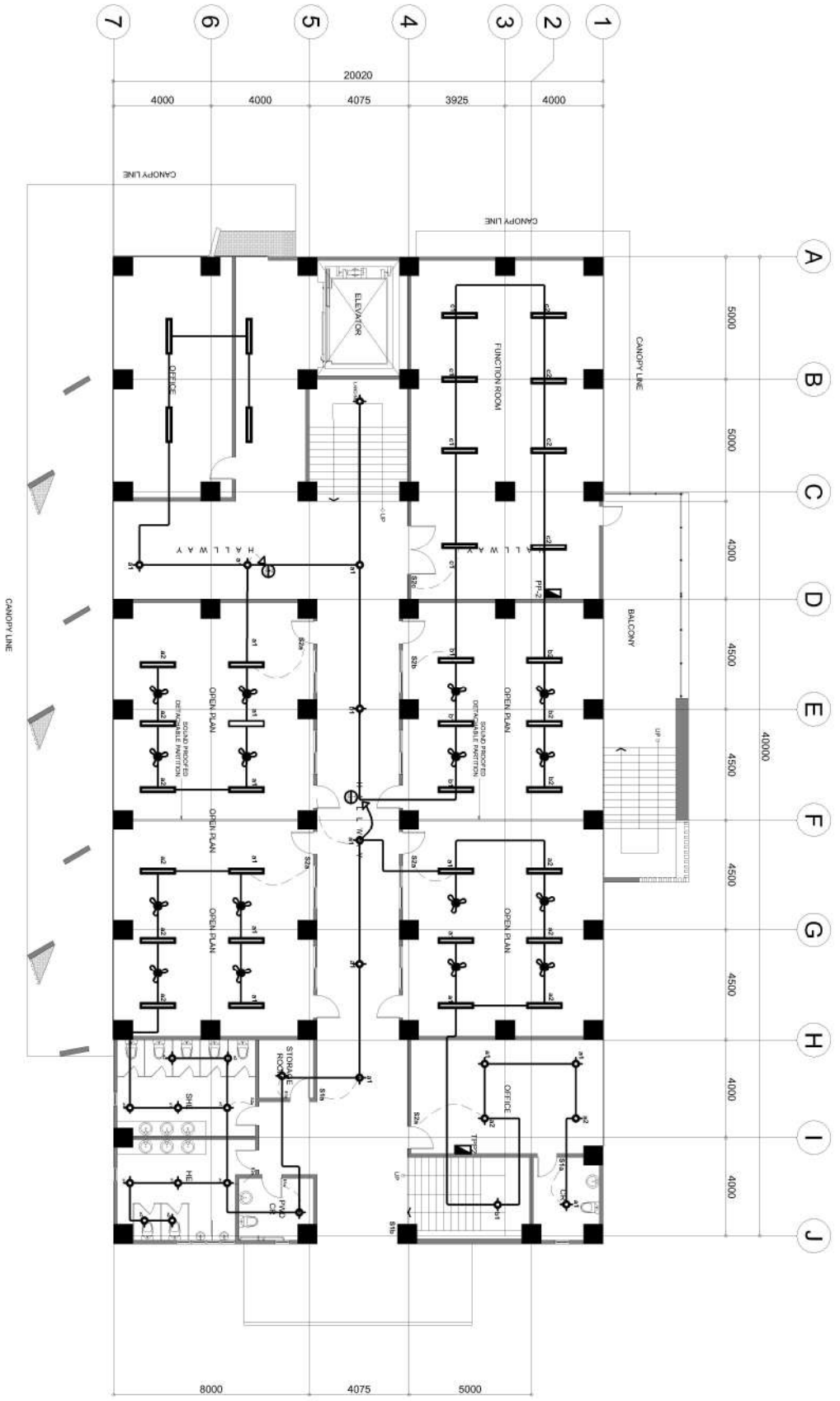
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
 AND TECHNOLEADERSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

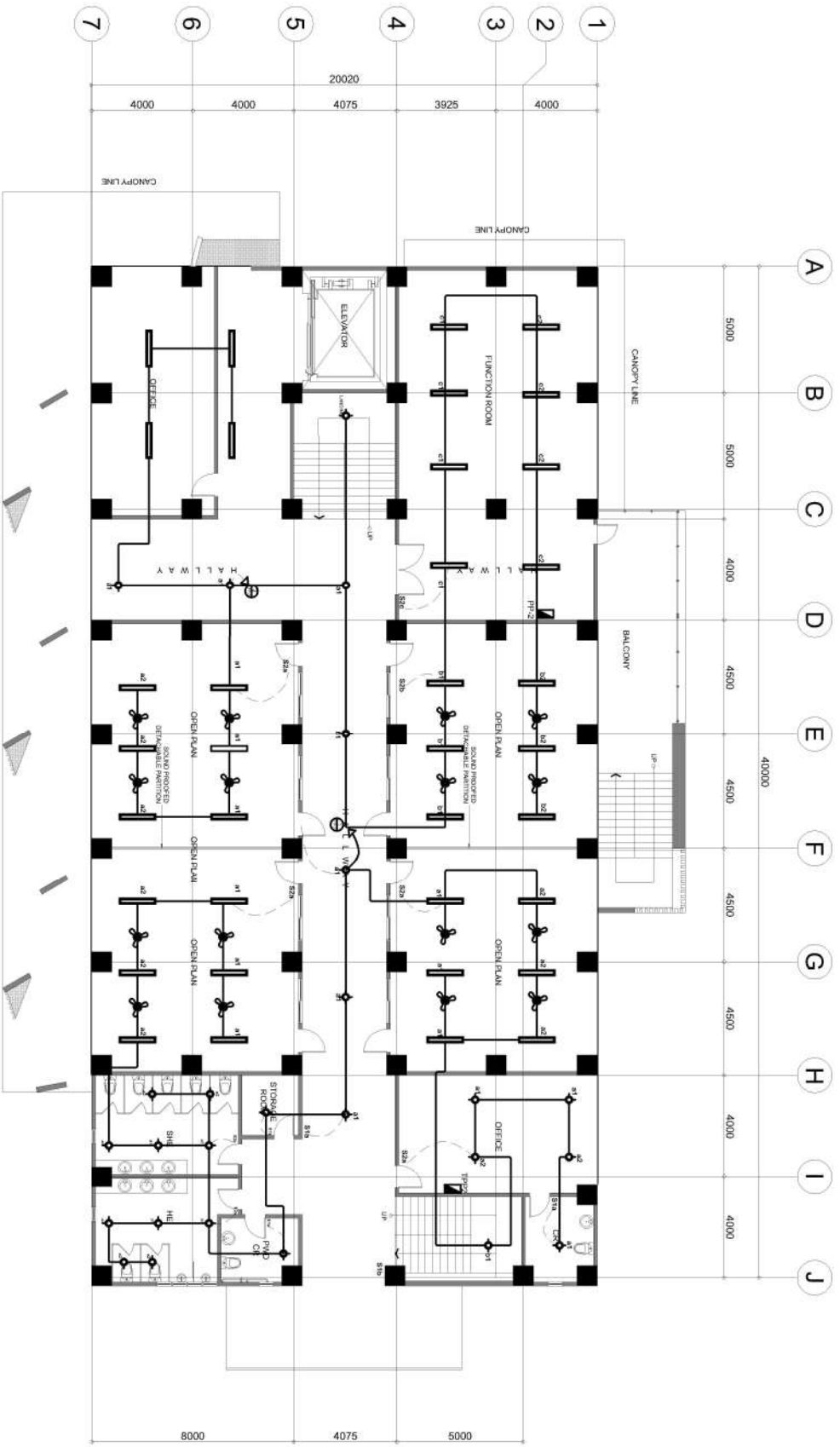
**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MIRIAM P. CATALAN, MAJOR ED. D. CRSE  
 President Romblon State University

**SHEET CONTENT:** AS SHOWN  
**SHEET NO.:** E-2

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



**Legend:**  
 Tube Light LED 18 W  
 Pin Light LED 14 W  
 Panelboard



# 1 THIRD FLOOR LIGHTING LAYOUT PLAN

E-3  
SCALE

1:180

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		<p><b>PREPARED BY:</b></p> <p>ENGR. MEREDITH S. SORIANO</p> <p><b>CHECKED BY:</b></p> <p>ENGR. NOEL M. TANGGA JR.</p>	<p><b>REVIEWED BY:</b></p> <p>ARCH. HANNAH FAITH P. MEDRITA</p> <p><b>APPROVED BY:</b></p> <p>MIRRIAN P. CATANMANAN JR. D. CRSE</p>
		<p><b>SHEET CONTENT:</b></p> <p style="text-align: center;">AS SHOWN</p>	<p><b>SHEET NO.:</b></p> <p style="text-align: center;">E-3</p>



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**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

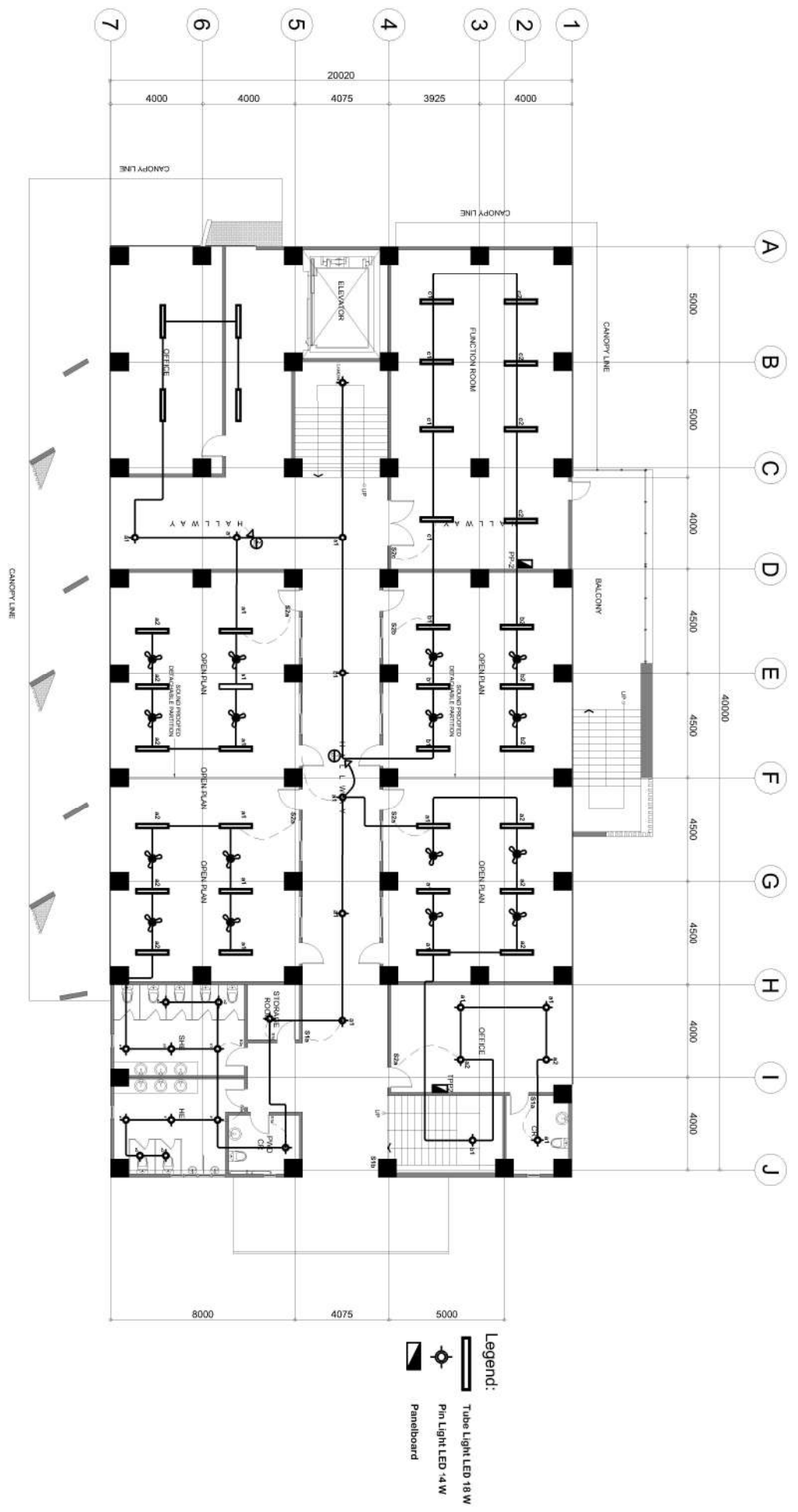
**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MORALES  
**APPROVED BY:**  
 MIRIAM P. CATANALAN-REYES, D. CRSE

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-4

# 1 FOURTH FLOOR LIGHTING LAYOUT PLAN

E-4 SCALE 1:180



**Legend:**  
 Tube Light LED 18W  
 Pin Light LED 4W  
 Panelboard





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**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENPREHNSHIP BUILDING**

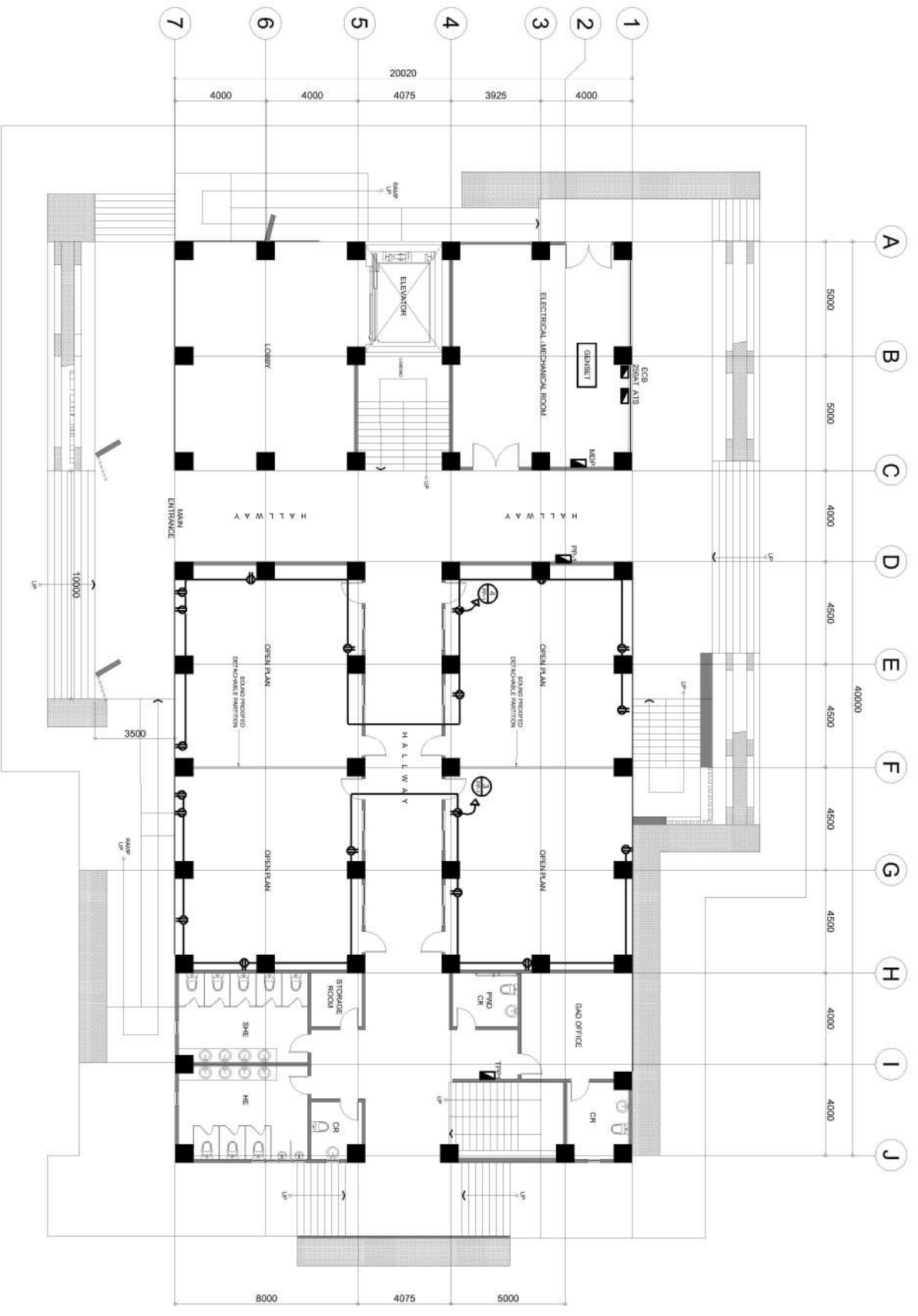
**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MIRIAM P. CATALAN-MANILA, D. CRSE

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-5

# 1 GROUND FLOOR POWER LAYOUT PLAN

E-5 SCALE 1:180





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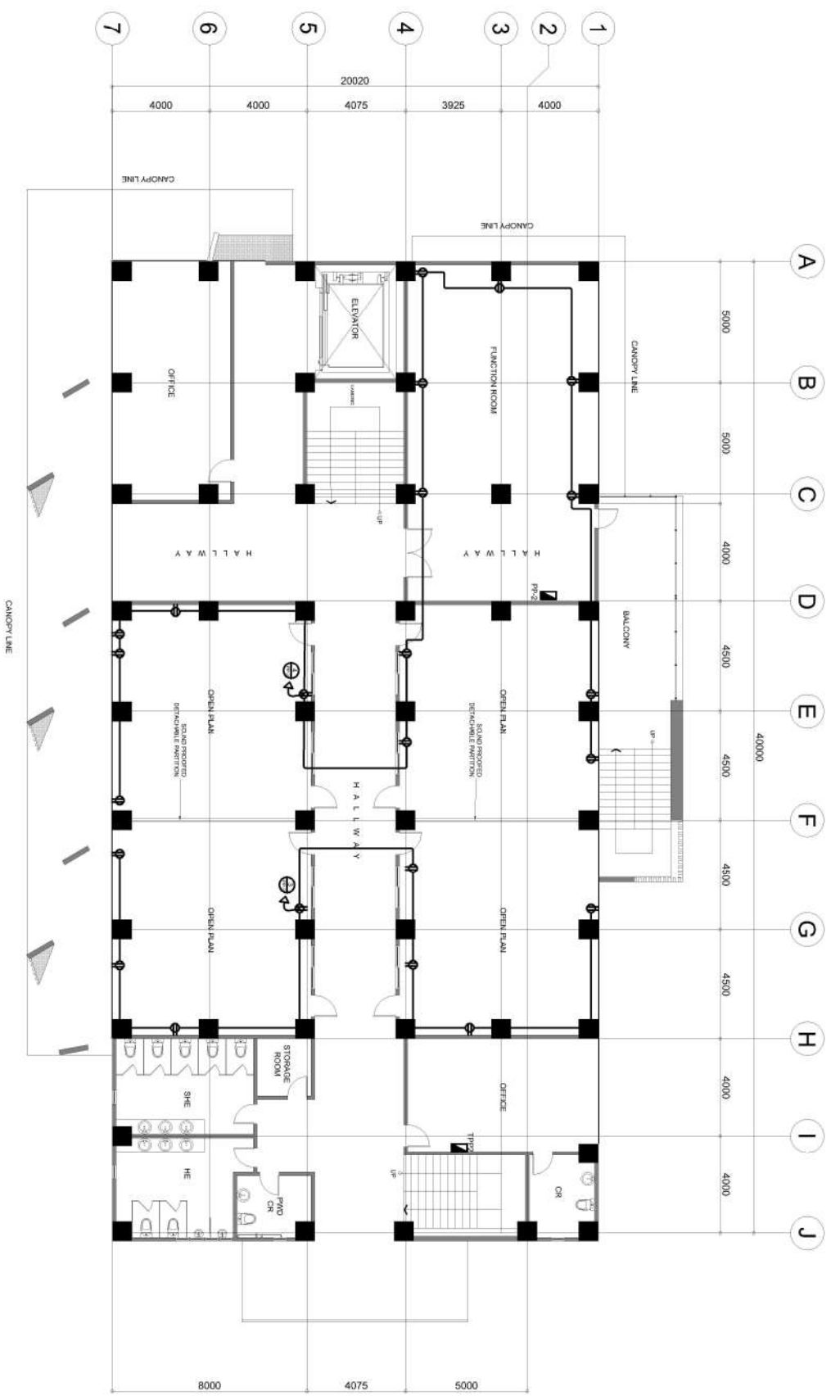
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREPRENEURSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. KAREN LAY S. SIKONTE  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MORETA, AIA  
**APPROVED BY:**  
 MR. BRIAN P. CATAAN, MANILA, D. CRSE

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-6

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





REP. ACT 92/96 SEC. 33

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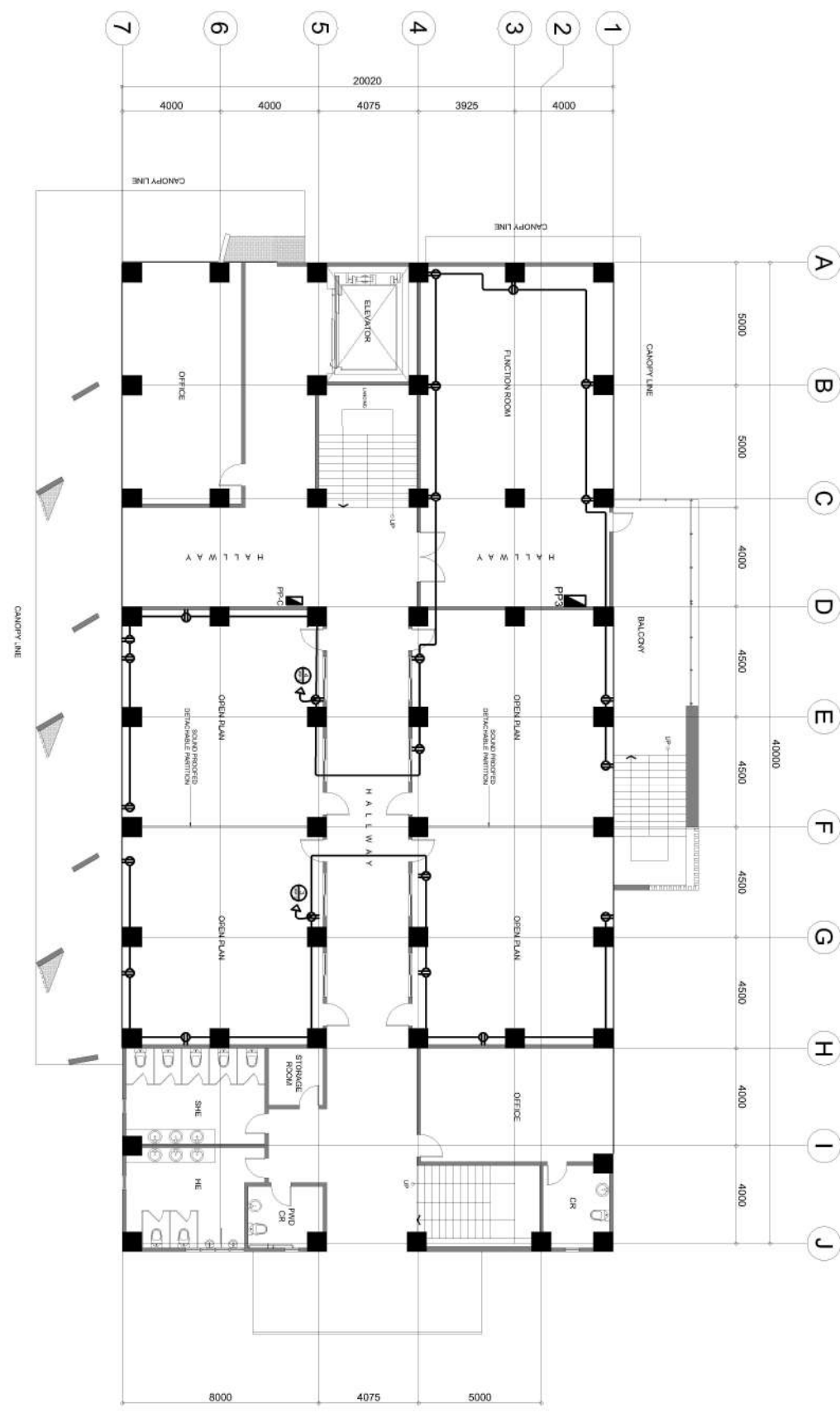
REVIEWED BY:

SHEET CONTENT:

SHEET NO:

# 1 THIRD FLOOR POWER LAYOUT PLAN

SCALE 1:180



PRC REG. NO. :  
Date :  
TIN. :

LOCATION: ROMBION STATE UNIVERSITY- MAIN CAMPUS

ENG. KHERI LUY S. SIKHITJE, ENG. ANIS JONAN, ABRIKA

ARCH. HANNAH FAITH P. MURTA, and

AS SHOWN

E-7



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**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
 AND TECHNOLEADERSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

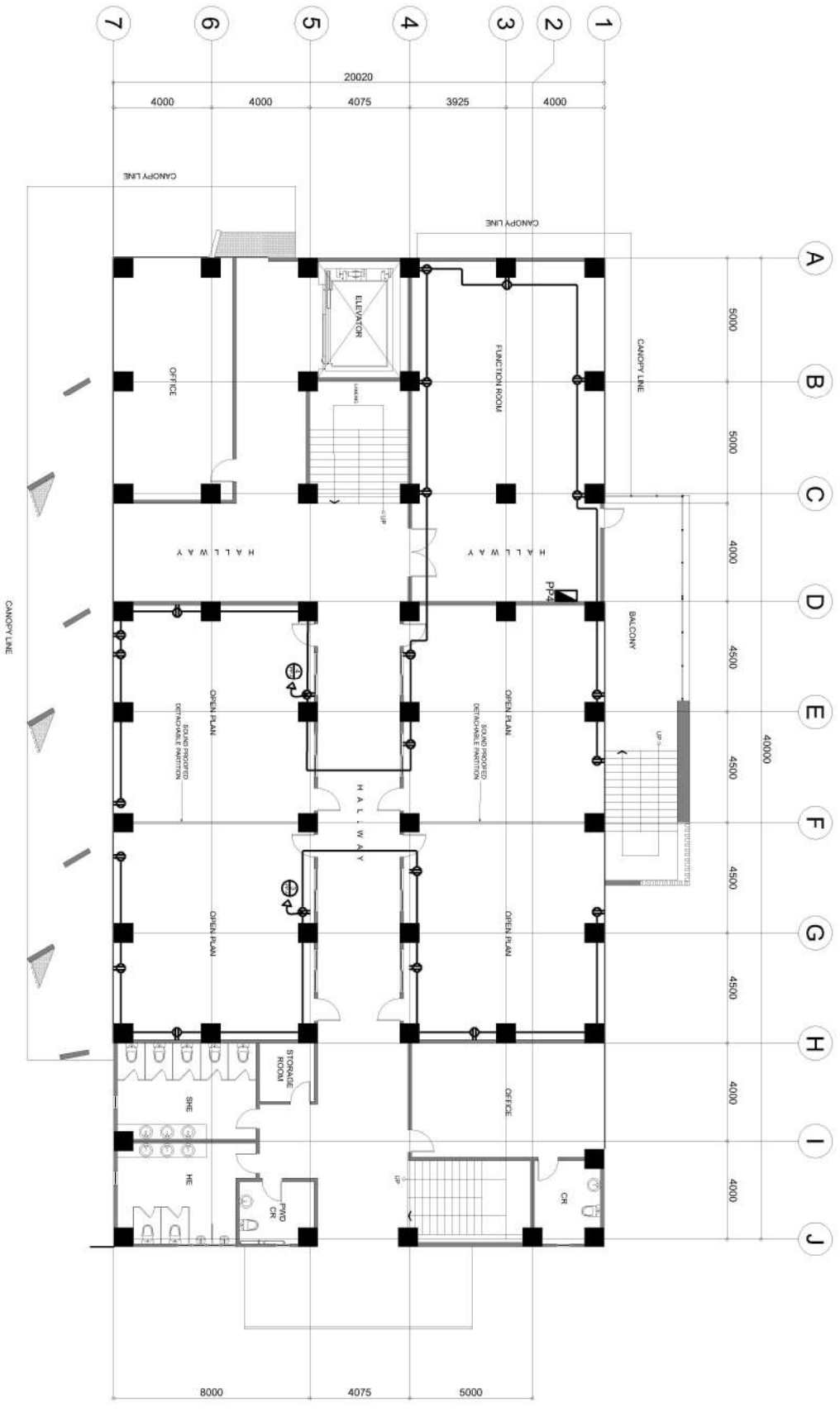
**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MR. BRIAN P. CATAJAN, M.A., J.D., C.S.E.  
 President Romblon State University

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-8

# 1 FOURTH FLOOR POWER LAYOUT PLAN

SCALE 1:180







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 PRC REG. NO.:  
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**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLEADERSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

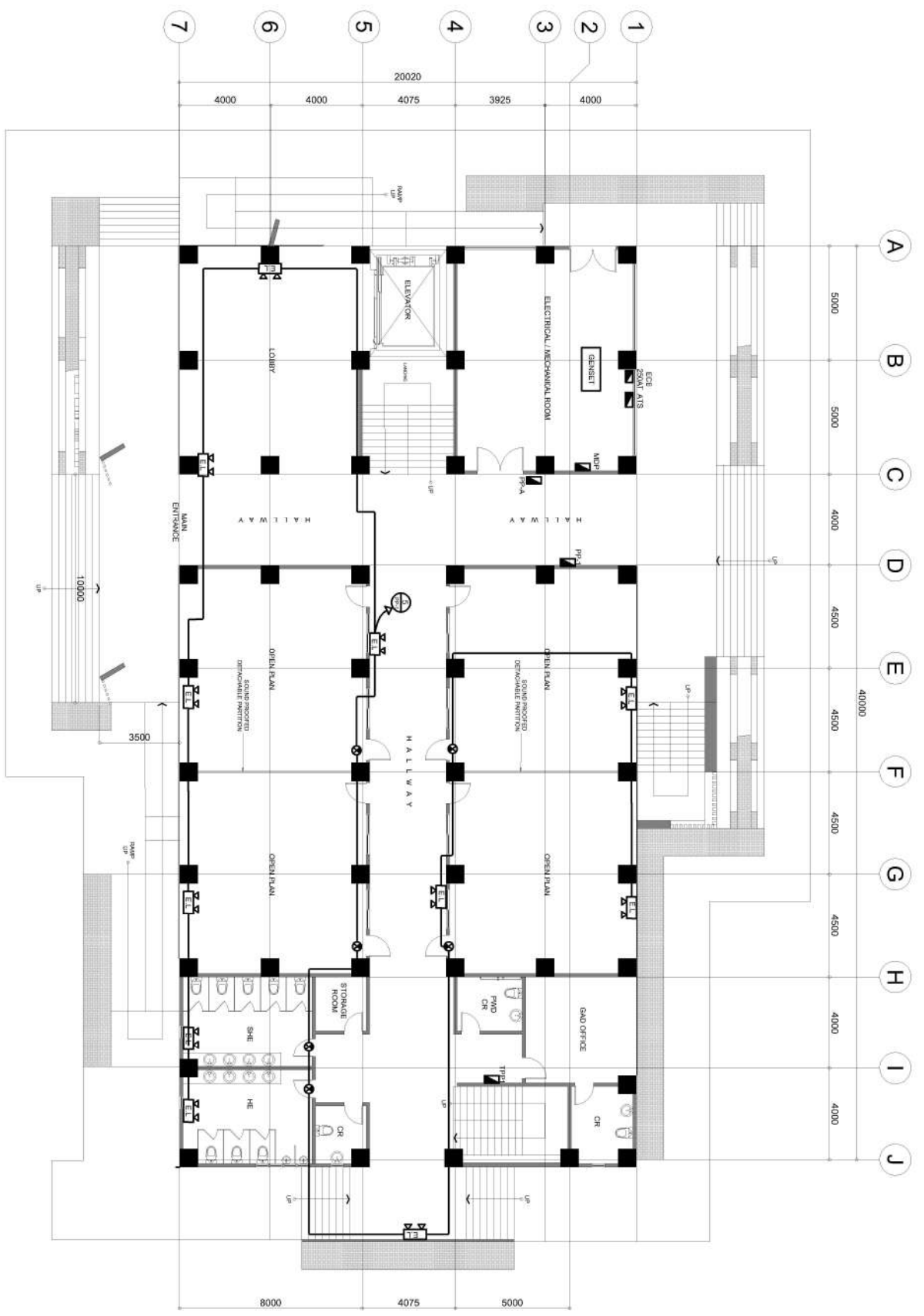
**PREPARED BY:**  
**CHECKED BY:**

**REVIEWED BY:**  
**APPROVED BY:**

**SHEET CONTENT:**  
 AS SHOWN

**SHEET NO.:**  
 E-9

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





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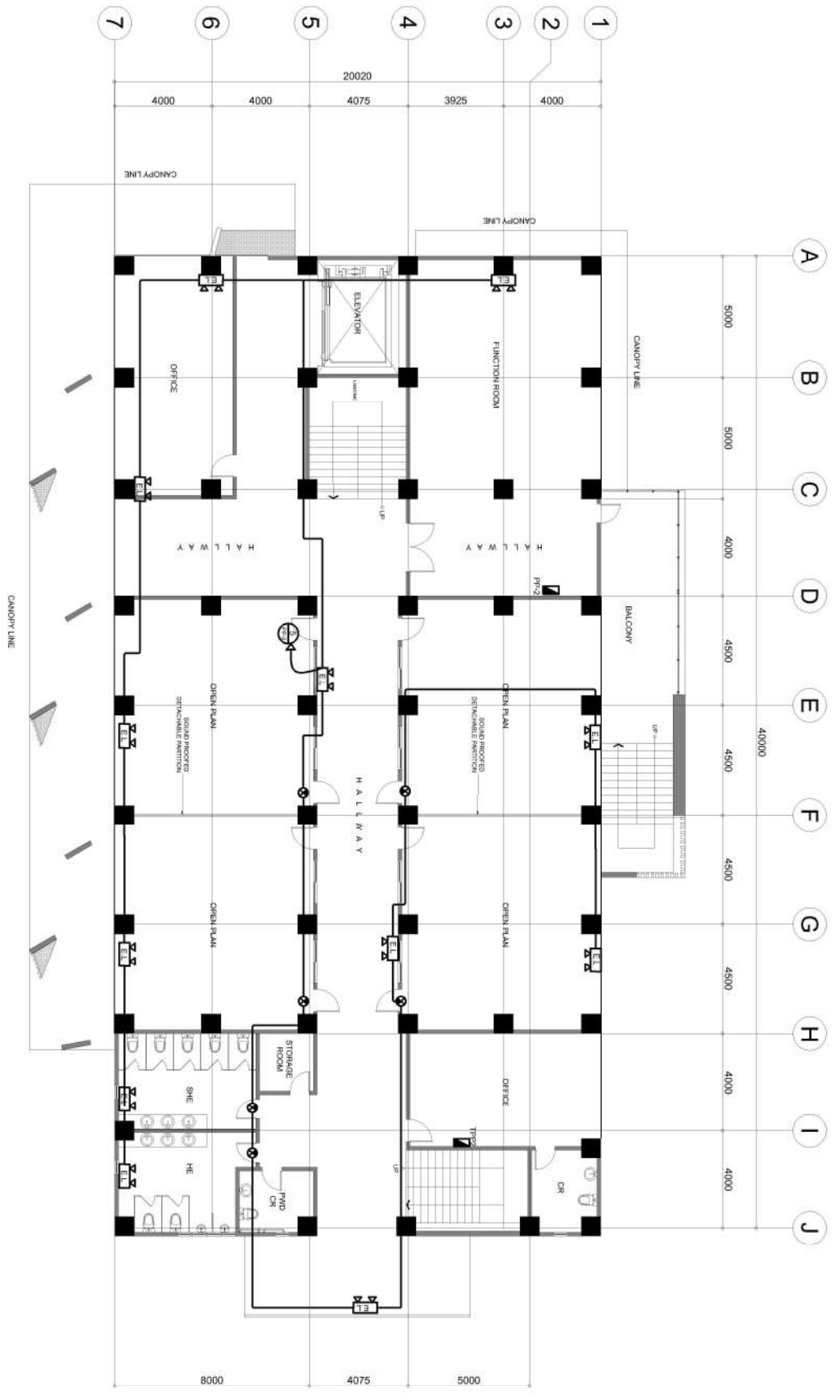
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. MEREDITH S. SAMPANE  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MRS. RIAN P. CATALAN, MANILA, D. CRSE  
 President Romblon State University

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

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





REP. ACT 92866 SEC. 33

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SHEET CONTENT:

SHEET NO.

**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENURSHIP BUILDING**

LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS

REV.:

ENGR. MEREDITH S. SORIANO  
Checked By: ENGR. MEREDITH S. SORIANO

ARCH. HANNAH FAITH P. MEDRITA  
Approved By: ARCH. HANNAH FAITH P. MEDRITA

AS SHOWN

E-11

PRC REG. NO.:

Validity:

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DATE:

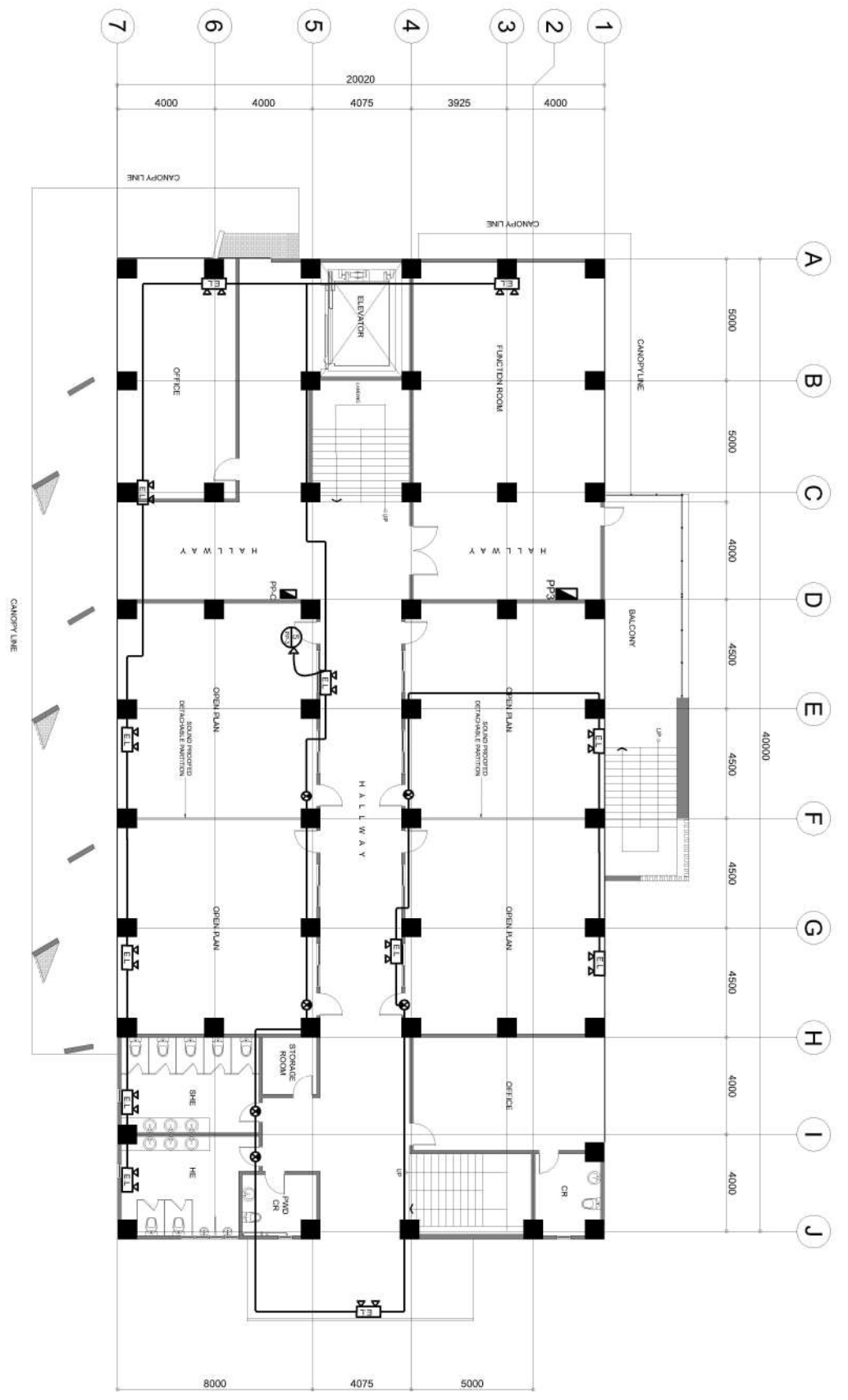
DATE:

DATE:

DATE:

# 1 THIRD FLOOR EMERGENCY/ EXIT LIGHT LAYOUT PLAN

E-11 SCALE 1:180





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REVIEWED BY:

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**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING**

LOCATION: ROMBLON STATE UNIVERSITY - MAIN CAMPUS

REV.:

CHECKED BY:

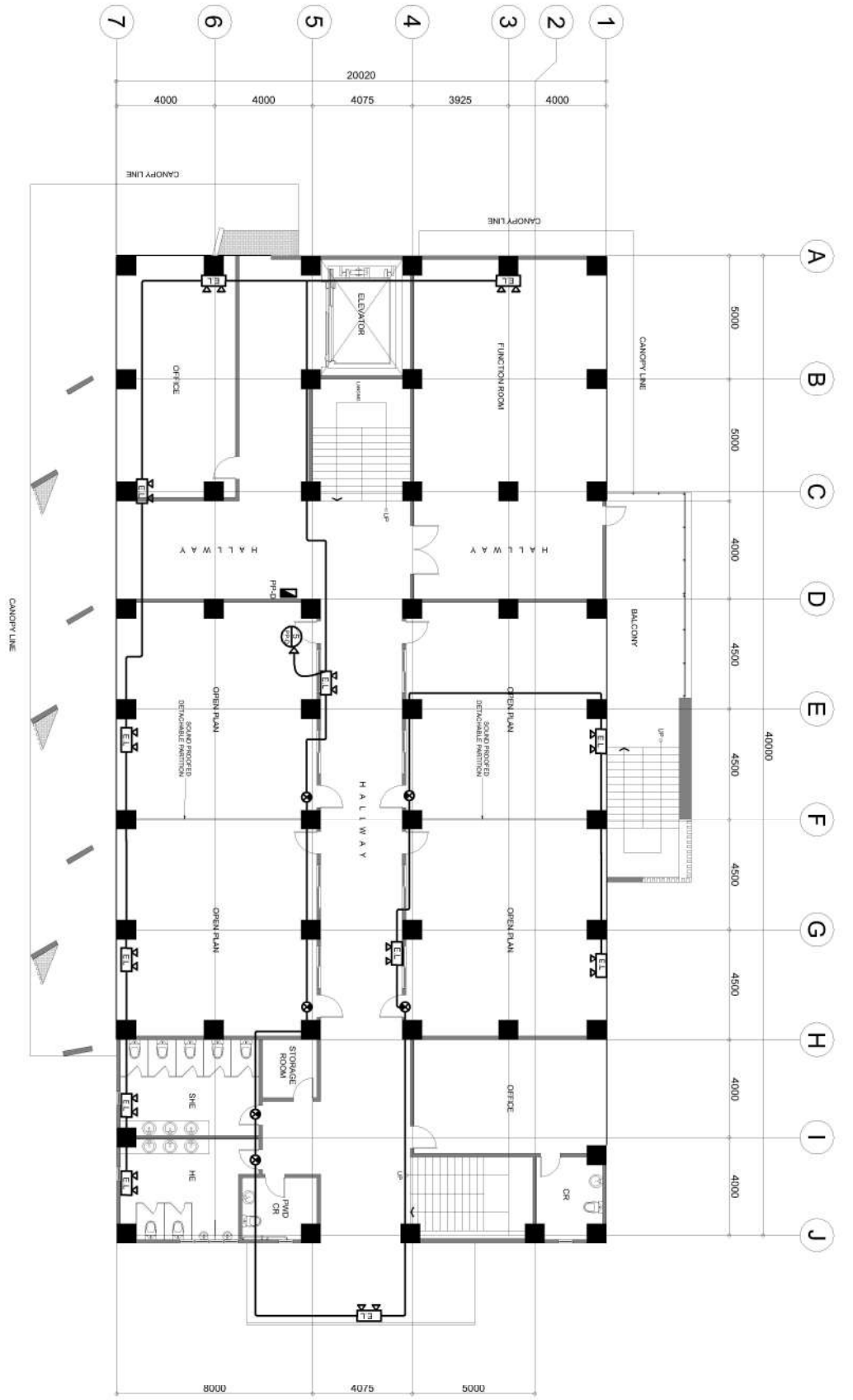
APPROVED BY:

AS SHOWN

E-12

# 1 FOURTH FLOOR EMERGENCY/EXIT LIGHT LAYOUT PLAN

E-12 SCALE 1:180



PRC REG. NO.:	Validity:
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Place:	TIN.:





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**ENGINEER:**  
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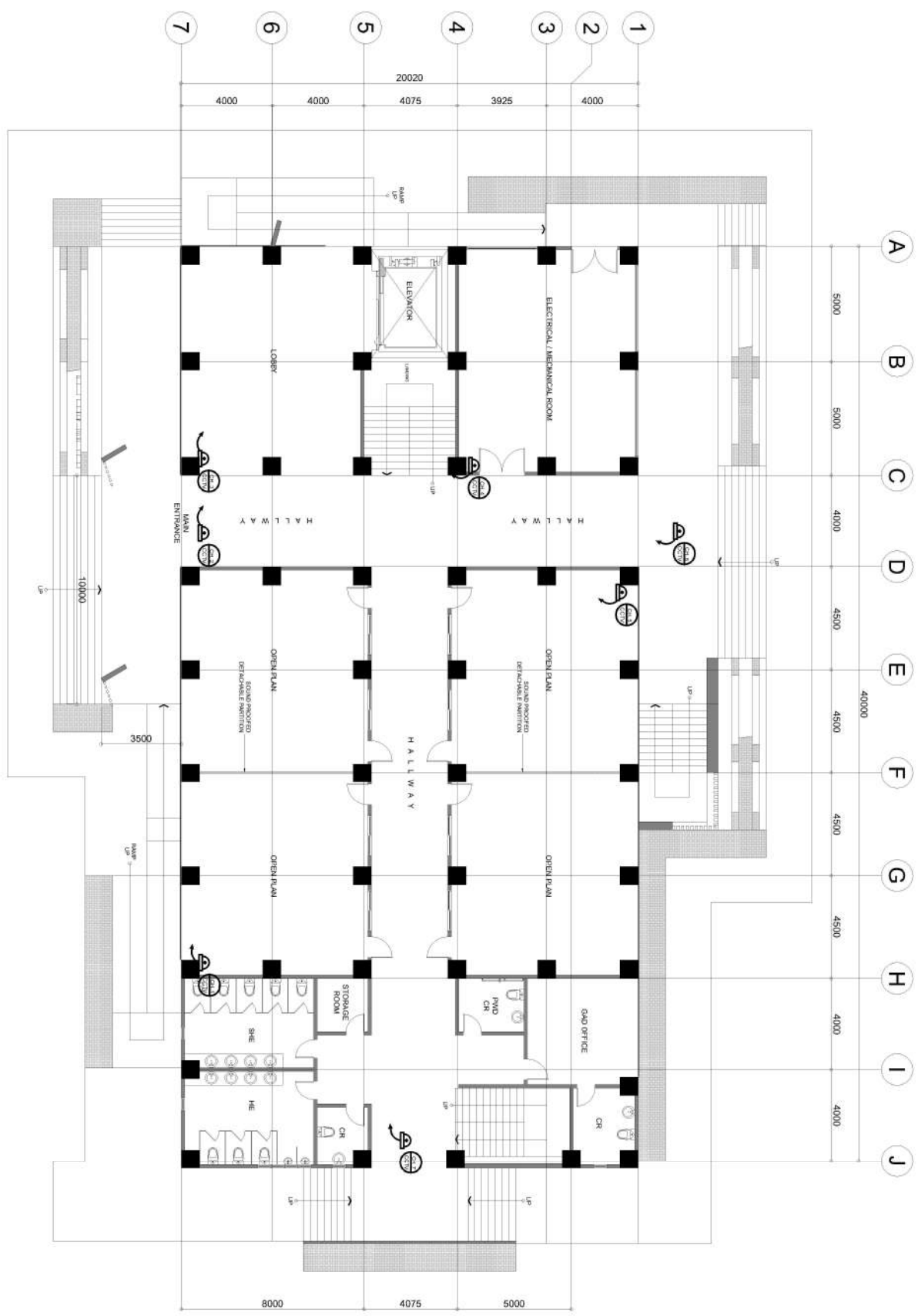
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
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**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MR. BRIAN P. CATALAN, MANILA, D. CRSE  
 President, Romblon State University

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-13

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





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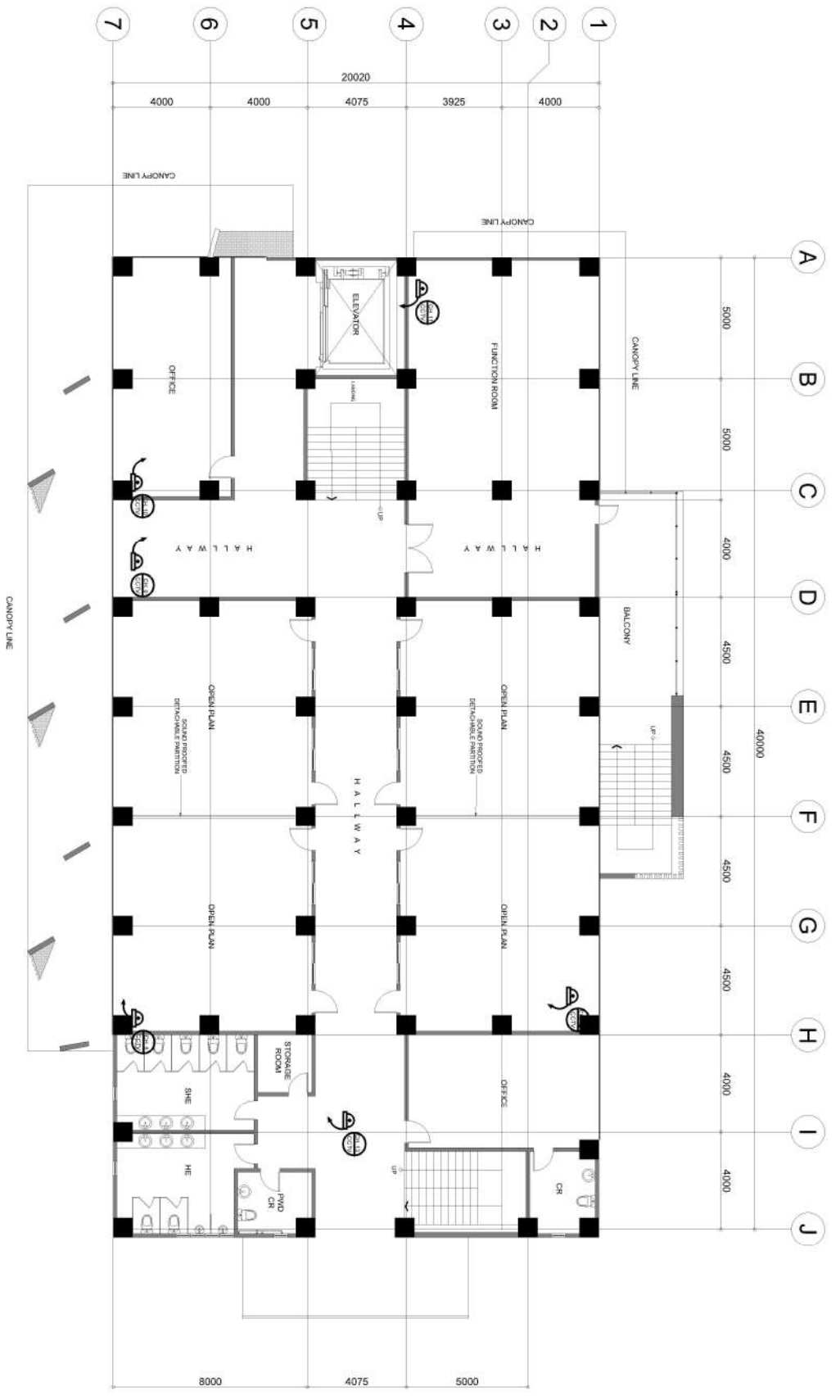
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
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**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MR. BRIAN P. CATAJAN, M.A., I.D., C.S.E.  
 President Romblon State University

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-14

**1 SECOND FLOOR CCTV LAYOUT PLAN**  
 SCALE: E-14





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PREPARED BY:

REVIEWED BY:

SHEET CONTENT:

SHEET NO:

**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLEADERSHIP BUILDING**

LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS

REV.:

ENGR. NOEL M. TIANGA JR.  
(Title here, if not a PRC-licensed Professional)

MIRIAN P. CATAJAN-MAÑALBA, D. CRSE  
President/Chair, Licensed Professional

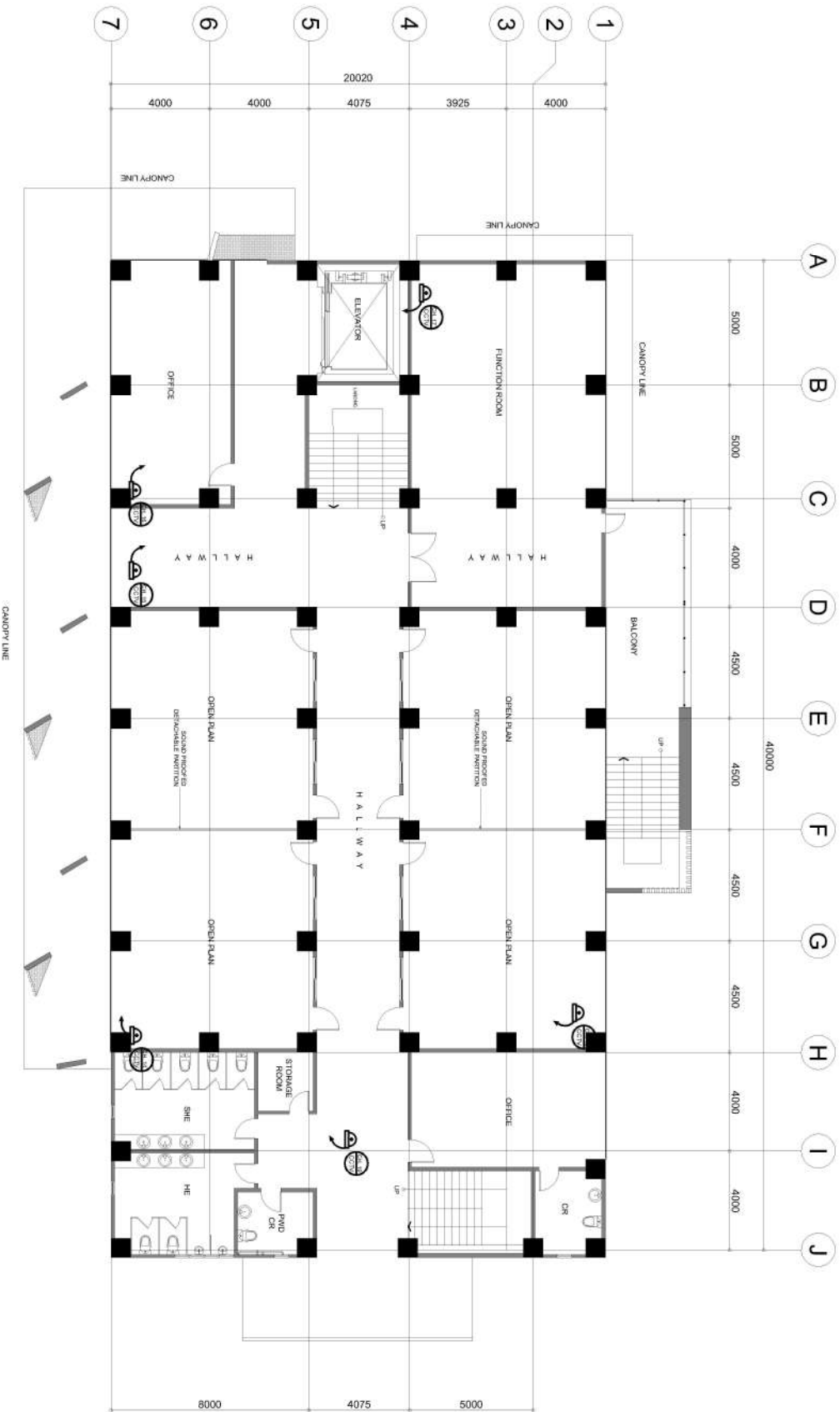
ENGR. MEREDITH S. SIKONJE  
(Title here, if not a PRC-licensed Professional)

ARCH. HANNAH FAITH P. MEDRITA, APR  
Director, IPRPD

AS SHOWN

E-15

**1 THIRD FLOOR CCTV LAYOUT PLAN**  
E-15 SCALE 1:180



1  
E-15  
SCALE  
1:180



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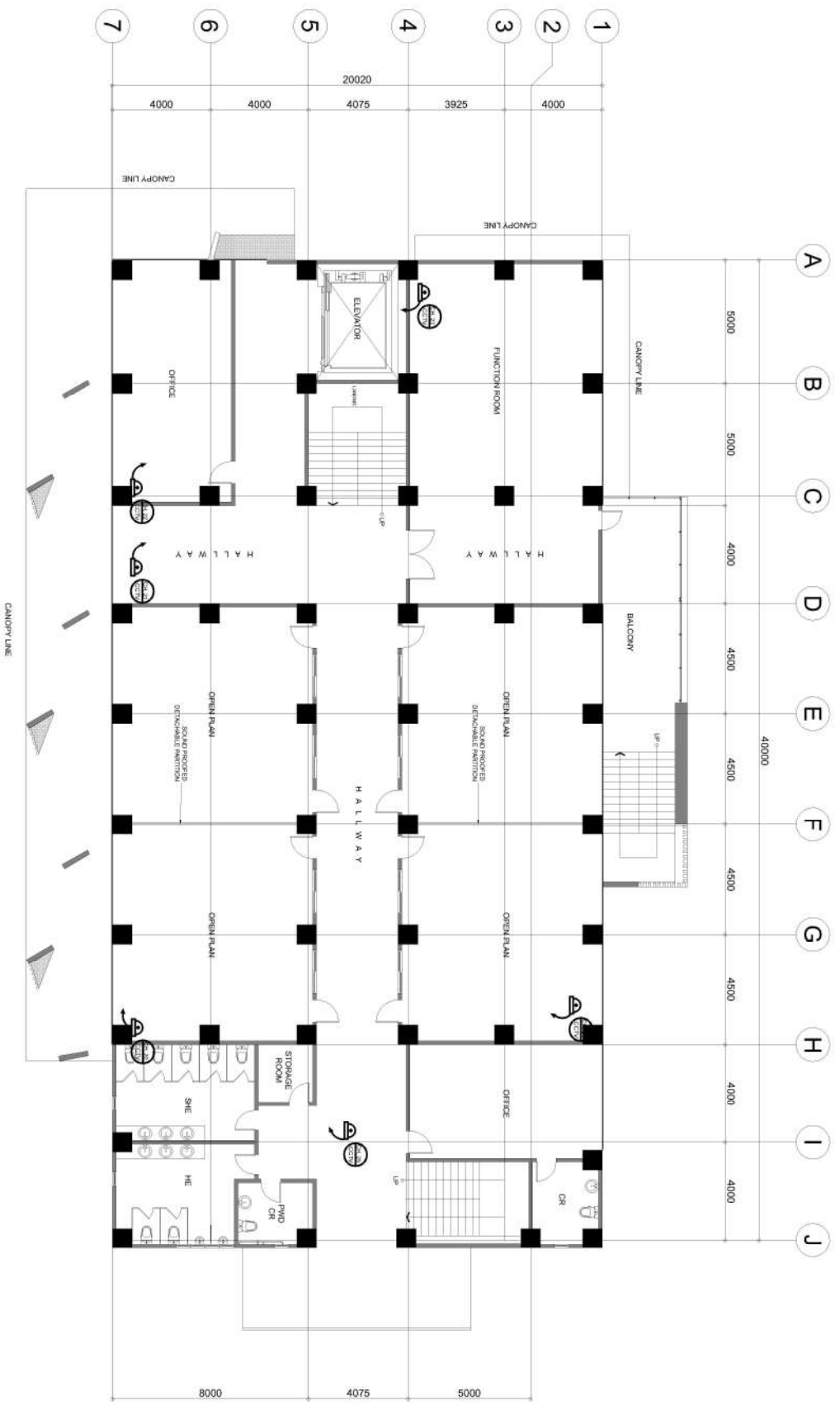
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
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**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. MEREDITH S. SIKONTE  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MRS. BRIAN P. CATAJAN-MAÑALBA, D. OSE

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-16

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







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**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
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**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

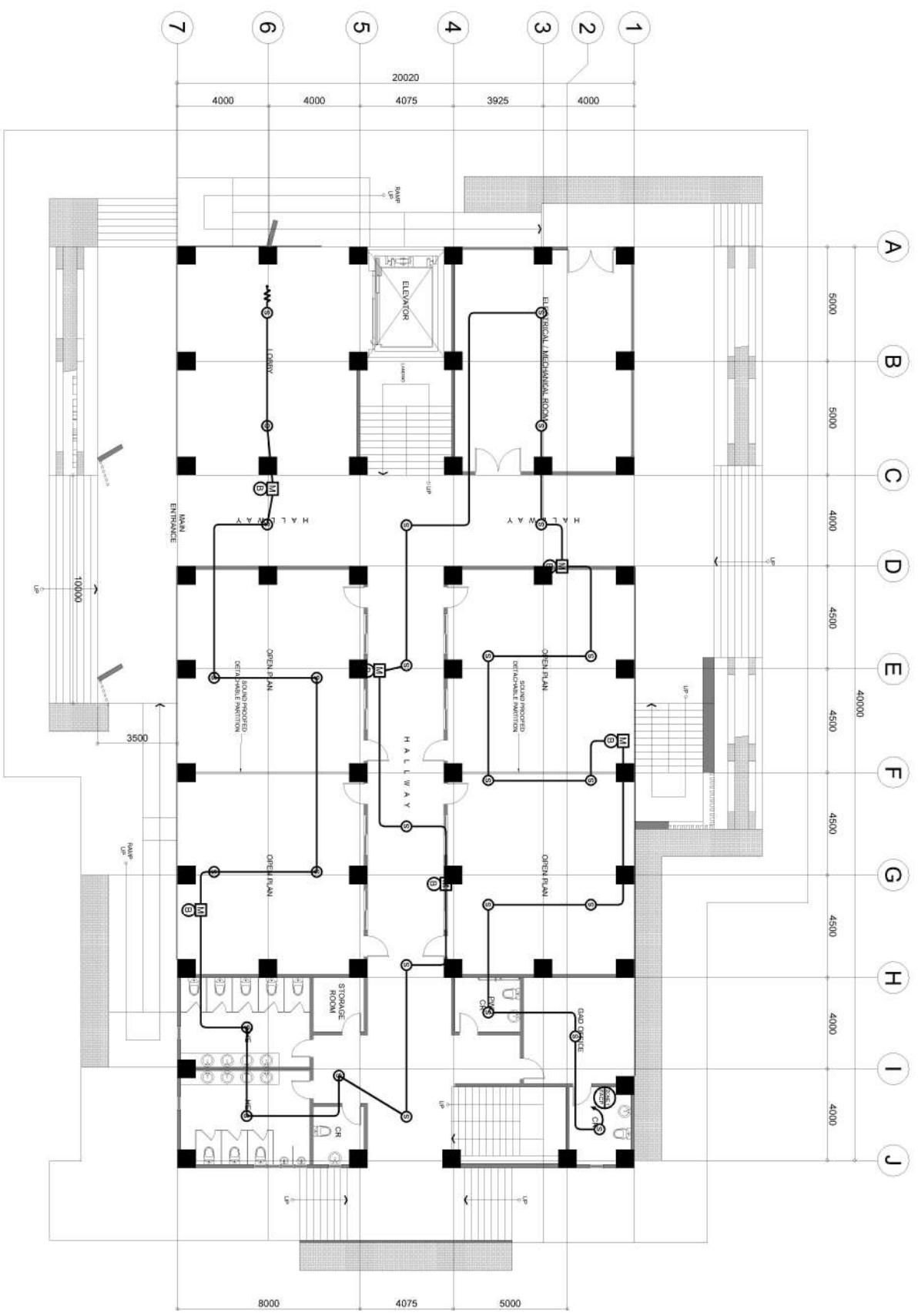
**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MARIAN P. CATAJAN, M.A., I.P.P.D.  
 President Romblon State University

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-17

# 1 GROUND FLOOR FIRE ALARM LAYOUT

E-17 SCALE 1:180





REP. ACT 9286 SEC. 33  
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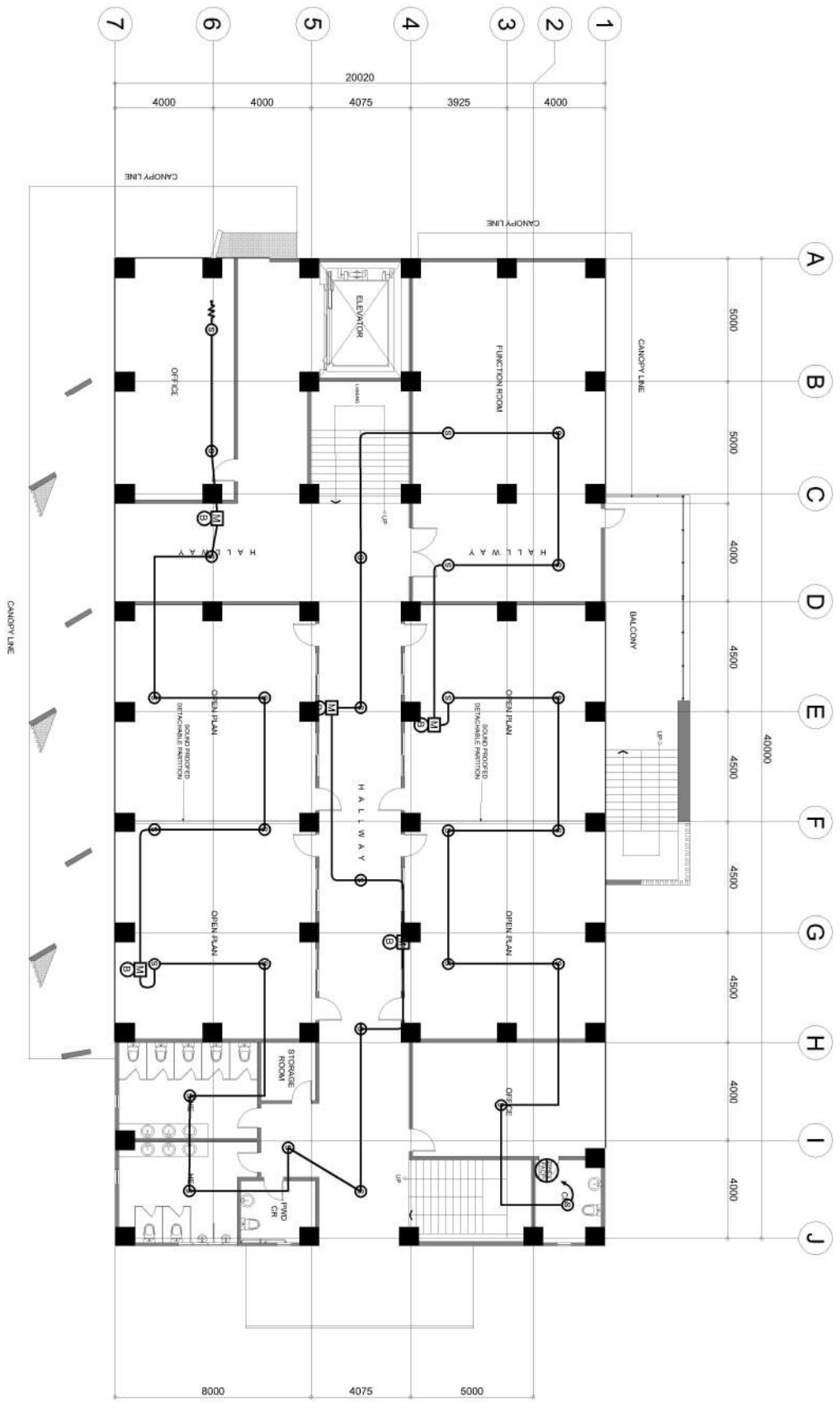
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**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TIANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, AIA  
**APPROVED BY:**  
 MARIAN P. CATAJAN-MAÑALBA, D. CRSE  
 President Romblon State University

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

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





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PROJECT TITLE:

PREPARED BY:

REVIEWED BY:

SHEET CONTENT:

SHEET NO.:

**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLEADERSHIP BUILDING**

LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS

REV.:

ENGR. MEREDITH S. SORIANO  
Checked By: ENGR. MEREDITH S. SORIANO

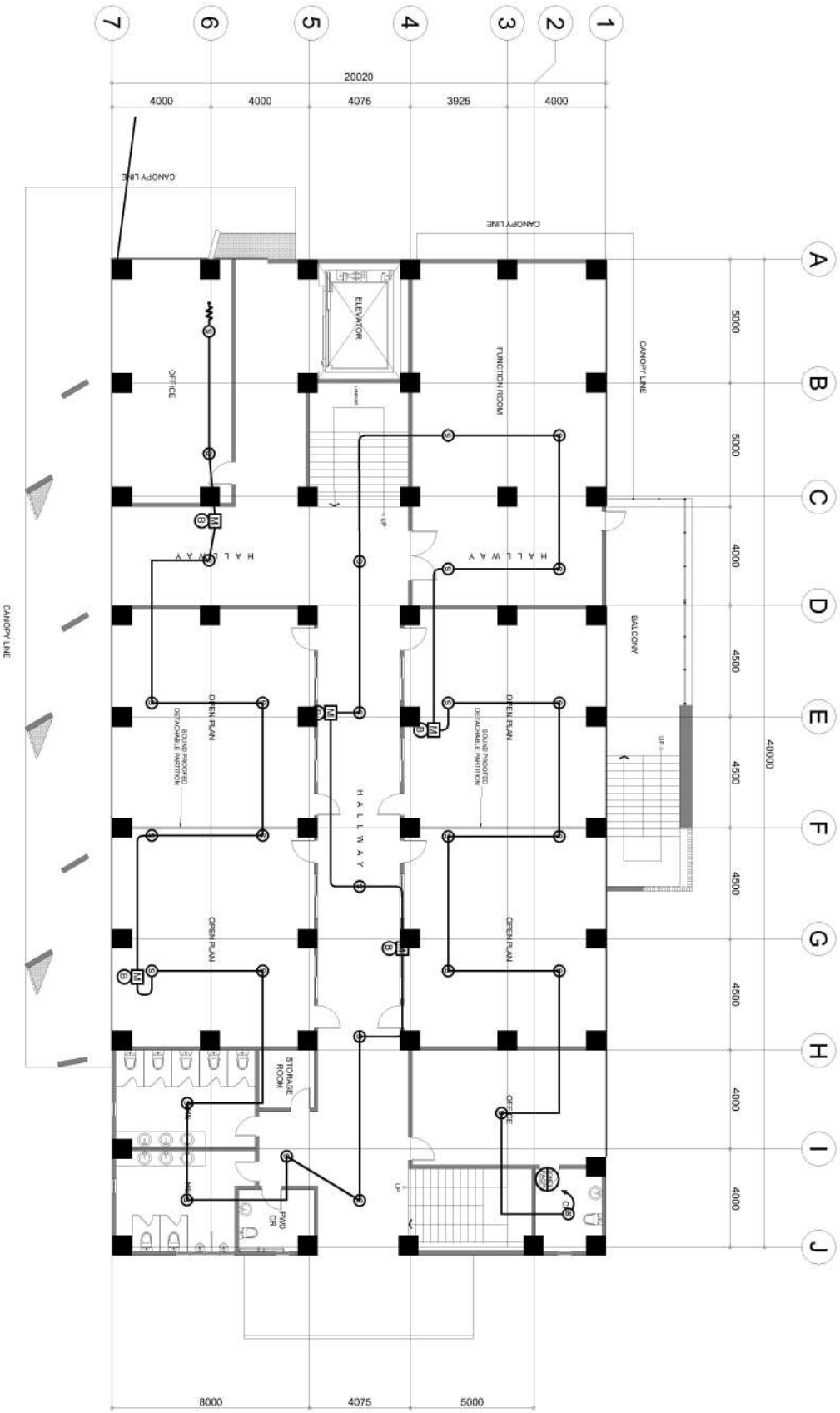
ARCH. HANNAH FAITH P. MEDRITA  
Approved By: ARCH. HANNAH FAITH P. MEDRITA

AS SHOWN

E-19

# 1 THIRD FLOOR FIRE ALARM LAYOUT

E-19 SCALE 1:180



PRC REG. NO.:  
PTR No.:  
Date:  
Validity:  
TIN:

PROJECT TITLE:  
CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLEADERSHIP BUILDING  
LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS

PREPARED BY:  
ENGR. MEREDITH S. SORIANO  
Checked By: ENGR. MEREDITH S. SORIANO

REVIEWED BY:  
ARCH. HANNAH FAITH P. MEDRITA  
Approved By: ARCH. HANNAH FAITH P. MEDRITA

SHEET CONTENT:  
AS SHOWN

SHEET NO. E-19



REP. ACT 9286 SEC. 33  
 DRAWINGS AND CONTENT THEREOF AS  
 INSTRUMENTS OF SERVICE ARE THE  
 PROPERTY OF THE ENGINEER. NO PART  
 THEREOF SHALL BE REPRODUCED OR  
 REPRODUCED OR USED IN ANY MANNER  
 EXCEPT BY WRITTEN AGREEMENT WITH  
 THE ENGINEER.

**ENGINEER:**  
 PRC REG. NO.:  
 PTR No.:  
 Validity:  
 Date:  
 TIN:

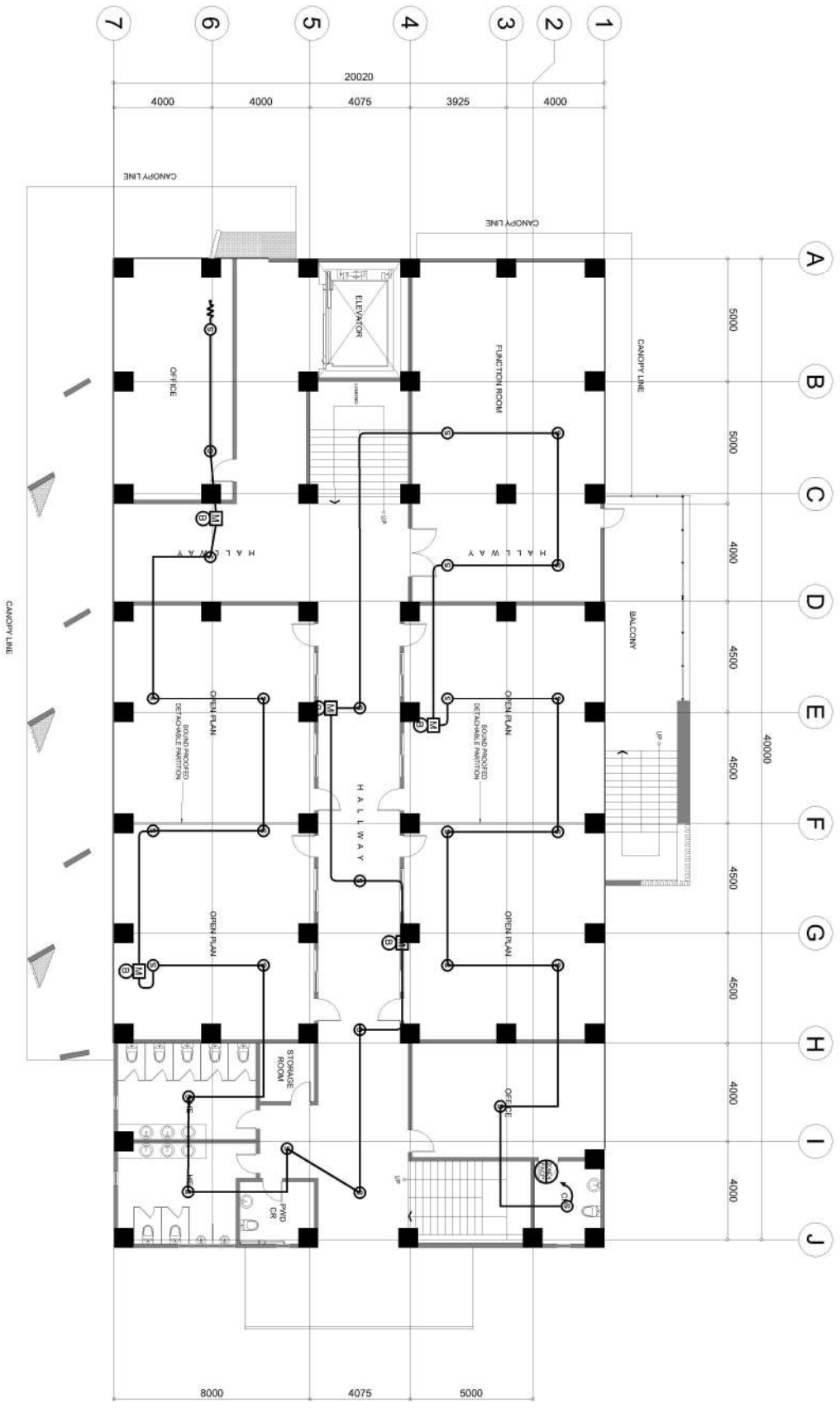
**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY  
 AND TECHNOPRENEURSHIP BUILDING**  
**LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS**

**PREPARED BY:**  
 ENGR. MEREDITH S. SORIANO  
**CHECKED BY:**  
 ENGR. NOEL M. TANGA JR.

**REVIEWED BY:**  
 ARCH. HANNAH FAITH P. MEDRITA, *apl*  
**APPROVED BY:**  
 MIRIAM P. CATANALAN, *apl* Ed. D. CRSE  
 President Romblon State University

**SHEET CONTENT:**  
 AS SHOWN  
**SHEET NO.:**  
 E-20

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






**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 Qty)	GND	SIZE (mm Ø)	TYPE		LENGTH (m)
			3Ø	ØAN	ØBN	ØCN										
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 (phase1)	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							
20	Space						50	1	THHN							
<b>TOTAL</b>		<b>30,233.00</b>	<b>-</b>	<b>43.07</b>	<b>43.04</b>	<b>45.25</b>										

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

 <p>REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</p>	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
		<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	ENGR. KEREN LUV S. VICENTE <small>Assocd Operator</small>	ENGR. ALVIN JOHN D. BRECIA <small>Head of Electrical Engineering Section</small>	ARCH. HANNAH FAITH P. MORTA, uap <small>Director, IPPDO</small>	AS SHOWN	E-21
	PRC REG. No. : PTR No. : Place :	Validity : Date : TIN :	<b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b> <b>REV.:</b>	ENGR. NOEL M. TIANGA JR. <small>Unit Head, PPDU-IPPDO</small>	MERIAN P. CATAJAY-MANI Ed. D., CESE <small>Romblon State University President</small>		

**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 Ø <sub>inv</sub> )	GND	SIZE (mm Ø)	TYPE		LENGTH (m)
			3Ø	ØAN	ØBN	ØCN										
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				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						50	1								
<b>TOTAL</b>		<b>33,662.00</b>	<b>-</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

**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

 <p>REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</p>	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
		<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	ENGR. KEREN LUV S. VICENTE <small>AutoCAD Operator</small>	ENGR. ALVIN JOHN D. BRECIA <small>Head of Electrical Engineering Section</small>	ARCH. HANNAH FAITH P. MORTA, uap <small>Director, IPPDO</small>	AS SHOWN	E-22
	PRC REG. No. : PTR No. : Place :	Validity : Date : TIN :	<b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b>	<b>REV.:</b>	ENGR. NOEL M. TIANGA JR. <small>Unit Head, PPDU-IPPDO</small>	MERIAN P. CATAJAY-MANI Ed. D., CESE <small>Romblon State University President</small>	

**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)	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
			3Ø	ØAN	ØBN										
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 7	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				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				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						50	1							
<b>TOTAL</b>		<b>37,424.00</b>	<b>-</b>	<b>58.89</b>	<b>50.80</b>	<b>52.87</b>									

**Ic** 0+(58.89) = 58.89 A  
**@ 80% DF**  
 58.89\*0.8 = 47.11 A  
**If** (47.11-10.13)+(1.25\*10.13) = 49.64A  
**Icb** (47.11-10.13)+30 = 66.98 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

	REP. ACT 9266 SEC. 33	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
	DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.		<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	ENGR. KEREN LUV S. VICENTE <small>AutoCAD Operator</small>	ENGR. ALVIN JOHN D. BRECIA <small>Head of Electrical Engineering Section</small>	ARCH. HANNAH FAITH P. MORTA, uap <small>Director, IPPDO</small>	AS SHOWN	E-23
	PRC REG. No. : PTR No. : Place :	Validity : Date : TIN :	LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS	REV.:	ENGR. NOEL M. TIANGA JR. <small>Unit Head, PPDU-IPPDO</small>	MERIAN P. CATAJAY-MANI Ed. D., CESE <small>Romblon State University President</small>		

**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	AMPERES				AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Qty)	GND	SIZE (mm Ø)	TYPE		LENGTH (m)
			3Ø	ØAN	ØBN	ØCN										
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			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	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	THHN	3.5 x 2	2.0	15	PVC			
12	Space						50	1								
<b>TOTAL</b>		<b>38,394.00</b>	<b>-</b>	<b>58.94</b>	<b>51.28</b>	<b>56.77</b>										

**Ic** 0+(58.94) = 58.94 A  
**@ 80% DF**  
 58.94\*0.8 = 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

 <p>REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</p>	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
		<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	ENGR. KEREN LUV S. VICENTE <small>Assocd Operator</small>	ENGR. ALVIN JOHN D. BRECIA <small>Head of Electrical Engineering Section</small>	ARCH. HANNAH FAITH P. MORTA, uap <small>Director, IPPDO</small>	AS SHOWN	E-24
	PRC REG. No. : PTR No. : Place :	Validity : Date : TIN :	<b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b>	<b>REV.:</b>	ENGR. NOEL M. TIANGA JR. <small>Unit Head, PPDU-IPDO</small>	MERIAN P. CATAJAY-MANI Ed. D., CESE <small>Romblon State University President</small>	

**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)	AMPERES				AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Ø)	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
			3Ø	ØAN	ØBN	ØCN										
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 (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						
10	Space							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

**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

**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

 <p>REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</p>	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
		<b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING</b>	ENGR. KEREN LUV S. VICENTE <small>Assocd Operator</small>	ENGR. ALVIN JOHN D. BRECIA <small>Head of Electrical Engineering Section</small>	ARCH. HANNAH FAITH P. MORTA, uap <small>Director, IPPDO</small>	AS SHOWN	E-25
	PRC REG. No. : PTR No. : Place :	Validity : Date : TIN :	<b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b>	<b>REV.:</b>	ENGR. NOEL M. TIANGA JR. <small>Unit Head, PPDU-IPPDO</small>	MERIAN P. CATAJAY-MANI Ed. D., CESE <small>Romblon State University President</small>	




## 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 Ø)	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**     55.28 x 1.25                      = 69.1 A                                      **Feeder**    :     THHN 22mm<sup>2</sup> x 2, +E8.0 VIA PVC  
**Icb**     55.28 x 1.25 + 2.5\*10.13                      = 94.43 A                                      **Calculation**                                      :

	REP. ACT 9266 SEC. 33  <small>DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	<b>ENGINEER:</b> _____ PRC REG. No. :                      _____                      Validity : PTR No. :                              _____                      Date : Place :                                  _____                      TIN :	<b>PROJECT TITLE:</b> <b>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNORENURSHIP BUILDING</b>  <b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b> <b>REV.:</b>	<b>PREPARED BY:</b> _____ ENGR. KEREN LUV S. VICENTE     ENGR. ALVIN JOHN D. BRECIA <small>AutoCAD Operator                      Head of Electrical Engineering Section</small> <b>CHECKED BY:</b>	<b>REVIEWED BY:</b> _____ ARCH. HANNAH FAITH P. MORTA, uap <small>Director, IPPDO</small> <b>APPROVED BY:</b>	<b>SHEET CONTENT:</b> AS SHOWN	<b>SHEET NO:</b> E-26	
					ENGR. NOEL M. TIANGA JR. <small>Unit Head, PPDU-IPPDO</small>	MERIAN P. CATAJAY-MANI Ed. D., CESE <small>Romblon State University President</small>		


## 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 Ø)	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
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** :

	REP. ACT 9266 SEC. 33	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
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		PRC REG. No. : _____      Validity : _____		<b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b> <b>REV.:</b>	<small>ENGR. NOEL M. TIANGA JR. Unit Head, PPDU-IPPDO</small>	<small>MERIAN P. CATAJAY-MANI Ed. D., CESE Romblon State University President</small>		
		PTR No. : _____      Date : _____						


## 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			RACEWAY			REMARKS
		VA	A	AT	AF	P	TYPE	SIZE (mm <sup>2</sup> x Ø)	GND	SIZE (mm Ø)	TYPE	LENGTH (m)	
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      **Emergency Breaker :** 150 AT.    150 AF.    2 P.    230 V  
**I<sub>f</sub>** 111.45 x 1.25 = 139.31 A      **Feeder :** THHN 60mm<sup>2</sup> x 2, +E14.0 VIA PVC  
**I<sub>cb</sub>** 111.45 x 1.25 = 139.31 A      **Calculation :** \_\_\_\_\_  
**Total KVA:** = 25.64 kVA      **USE:** 150AF bus terminal  
**@ 80% Transformer Loading Limit:** = 32.05 kVA  
  
**USE:** 1-37.5kVA, 7.6kV/230V, 60Hz single phase pole mounted transformer

	REP. ACT 9266 SEC. 33	<b>ENGINEER:</b>	<b>PROJECT TITLE:</b>	<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>SHEET CONTENT:</b>	<b>SHEET NO:</b>	
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		PRC REG. No. :      Validity :		<b>LOCATION: ROMBLON STATE UNIVERSITY- MAIN CAMPUS</b> <b>REV.:</b>	<small>ENGR. NOEL M. TIANGA JR. Unit Head, PPDU-IPPDO</small>	<small>MERIAN P. CATAJAY-MANI Ed. D., CESE Romblon State University President</small>		
		PTR No. :      Date :						



REPUBLIC ACT 9266 SEC. 33  
DRAWINGS AND OTHER INSTRUMENTS OF ARCHITECTURE, ENGINEERING, SURVEYING, AND OTHER PROFESSIONAL SERVICES ARE TO BE REPRODUCED OR USED IN ANY MANNER EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.

**ENGINEER:**  
PTR No.:  
Date:  
Validity:  
TIN: .

**PROJECT TITLE:**  
**CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING**  
LOCATION: ROMBAN STATE UNIVERSITY- MAIN CAMPUS

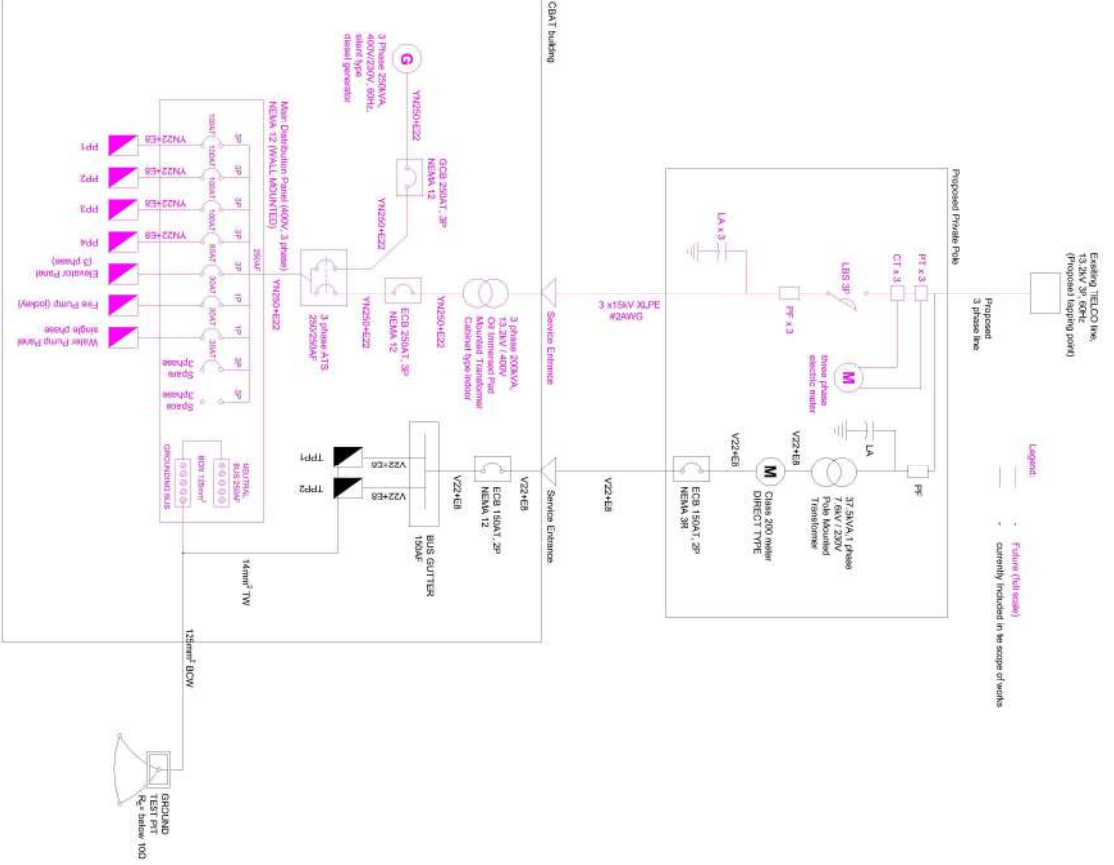
**PREPARED BY:**  
ENGR. KIRAN LINDA S. KONGLE  
Checked By: ENGR. NOEL M. TIANGGA JR.  
Date: 18/03/2025

**REVIEWED BY:**  
ARCH. HANNAH FAITH P. MEDRITA, um  
Approved By: MIRRIAN P. ASTAYAN, M. ANEKA, D. CRSE  
Director, UPPTD  
Assistant Dean, Technical Division

**SHEET CONTENT:** AS SHOWN  
**SHEET NO.:** E-29

# 1 SINGLE LINE DIAGRAM

SCALE 1:180



**Legend:**  
- Existing (Black)  
- Proposed (Blue)  
- Future (Red)  
- Currently included in the scope of works (Green)