



ROMBLON STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Community Outreach Center, RSU-Main Campus, Liwanag, Odiongan, Romblon 5505
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BID BULLETIN

Clarification No. 4

Solicitation No.: RSU-2025-01-004-EPA

- TO :** All Prospective Bidders
- SUBJECT :** Change/Modification of the Fire Protection Plan, Mechanical Plan, and Plumbing 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 Fire Protection Plan, Mechanical Plan, and Plumbing 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 – PHASE 2 (ABC: PhP10,000,000.00)

FROM

SCHEDULE OF EQUIPMENT				REMARKS			
EQUIPMENT	QUANTITY	UNIT	SPECIFICATION	MAKE/TYPE		PHASE	
				1	2	3	4
FIREFIGHTER PUMP	1	UNIT	1.500000	1	2	3	4

SCHEDULE OF EQUIPMENT				REMARKS			
EQUIPMENT	QUANTITY	UNIT	SPECIFICATION	MAKE/TYPE		PHASE	
				1	2	3	4
FIREFIGHTER PUMP	1	UNIT	1.500000	1	2	3	4

TABLE OF DIMENSION

PIPE SIZE	A (MM)	B (MM)	C (MM)
50	15	115	140
75	15	135	160
100	15	155	180
125	15	175	200
150	15	195	220

1 PIPE HANGER DETAILS

2 SCHEMATIC PIPING LAYOUT OF FIRE PROTECTION

3 DETAILS OF SWAY BRACINGS

4 PENDENT SPRINKLER HEAD DETAILS

GENERAL NOTES:

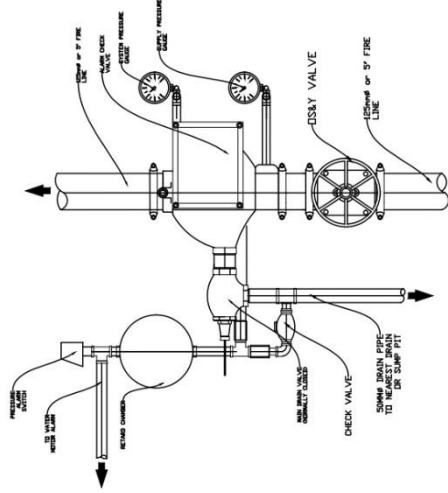
- ALL WORKS SHOULD BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODE NO. 13 & 20.
- ALL WORKS SHALL BE EXECUTED IN CLOSE COOPERATION WITH ALL OTHER TRADES AND CONTRACTORS.
- EXACT LOCATION OF THE SPRINKLER HEADS SHALL BE COORDINATED WITH ARCHITECTS APPROVAL.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.1.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.2.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.3.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.4.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.5.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.6.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.7.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.8.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.9.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.10.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.11.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.12.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.13.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.14.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.15.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.16.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.17.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.18.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.19.
- SPRINKLER HEADS SHALL BE INSTALLED TO PROTECT 4.1.1.20.

LEGEND:

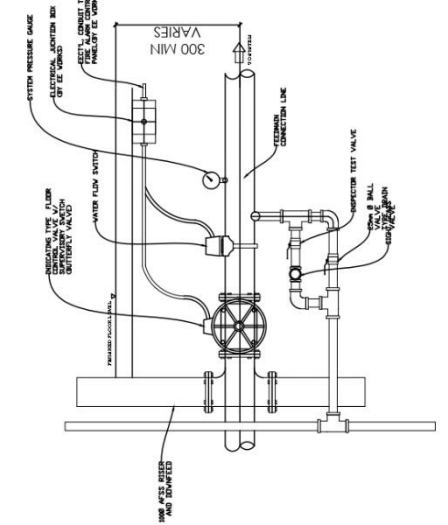
- FP FIREFIGHTER PUMP
- JP JACKET PUMP
- WATER METER
- FIREFIGHTER PUMP
- PENDENT SPRINKLER HEAD
- BOX WALL SPRINKLER HEAD
- GATE VALVE
- WATER FLOW SWITCH
- LOW METER
- SHORT CIRCUIT
- FLUSHING CONNECTION
- PPE HANGER
- FIRE HYDRANT
- FIRE DRIFTING BRACKET
- VITAMIC COUPLING
- ALARM CONTROL VALVE
- TFT
- ESD
- ESD BY GATE VALVE
- ESD BY FIRE DEPARTMENT CONNECTION

PROJECT TITLE:	PREPARED BY:	NOTED BY:	SHEET CONTENT:	SHEET NO.:
CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS	ENGR. SOLEMA TANZILAR	ENGR. HENRIETTA MARLETA BARRERA	ASB 25-000011	F-1

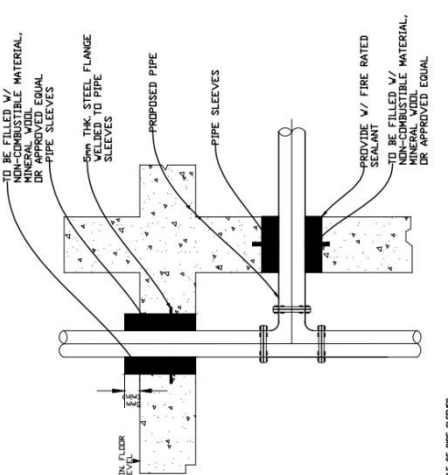
MECHANICAL ENGINEER:	PROJECT TITLE:	PREPARED BY:	NOTED BY:	SHEET CONTENT:	SHEET NO.:
ENGR. SOLEMA TANZILAR	CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS	ENGR. SOLEMA TANZILAR	ENGR. HENRIETTA MARLETA BARRERA	ASB 25-000011	F-1



4 ALARM CHECK VALVE ASSEMBLY
 NTS.



3 FLOOR CONTROL VALVE ASSEMBLY
 NTS.

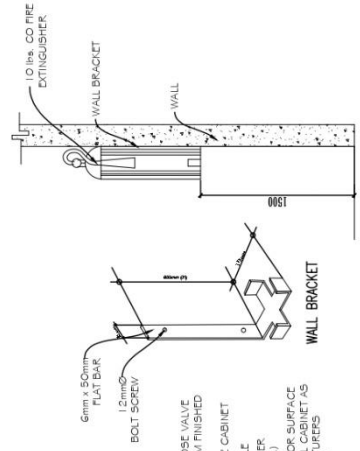


1 PIPE SLEEVES DETAILS
 NTS.

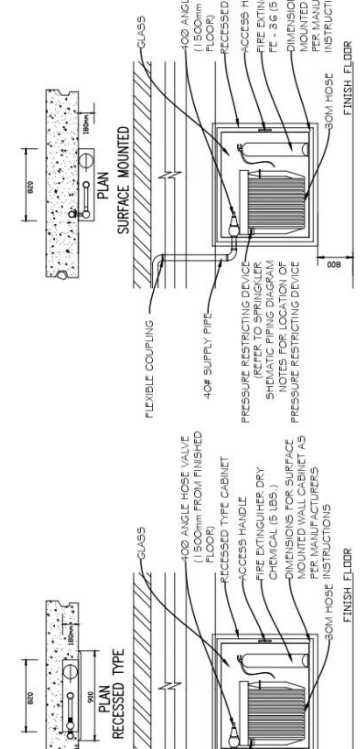
SCHEDULE OF PIPE SLEEVES

SIZE OF BRANCHES	SIZE OF PIPE SLEEVES
25mm	25mm
32mm	32mm
40mm	40mm
50mm	50mm
63mm	63mm
75mm	75mm
90mm	90mm
100mm	100mm
125mm	125mm
150mm	150mm
200mm	200mm

- NOTE: SLEEVES SHALL BE PROVIDED WITHIN ALL PIPING EXISTING THROUGH WALLS, FLOORS, PARTITIONS AND FOUNDATIONS.
- THE CLEARANCE BETWEEN THE PIPE SLEEVES SHALL BE FILLED WITH NON-COMBUSTIBLE FLEXIBLE INSULATION SUCH AS MINERAL WOOL, FIBER GLASS OR EQUIVALENT.
 - MINIMUM CLEARANCE BETWEEN PIPE AND SLEEVES SHALL NOT BE LESS THAN 20MM FOR PIPE 25MM THROUGH 75MM & 40MM FOR PIPE SIZE 100MM AND LARGER. FLOOR SLEEVES SHALL BE EXTENDED AT LEAST 75MM ABOVE THE TOP OF THE FINISH SURFACE.



6 FIRE EXTINGUISHER DETAILS
 NTS.

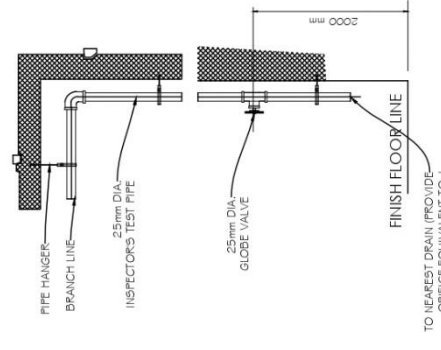


5 FIRE HOSE CABINET DETAILS
 NTS.

SCHEDULE OF EQUIPMENT

DESCRIPTION	QUANTITY	WEIGHT		TYPE (LOCATION)	DA	MINIMUM VOLUME OF PROTECTION	EXTINGUISHING AGENT	REMARKS
		GROSS	NET					
FE	36	18.8 lb.	10 lb.	WALL MOUNTED	15.2m	51 cum	HFC 123	ENVIRONMENT FRIENDLY, BRAND NEW AND READY FOR SERVICE

2 INSPECTOR TEST CONNECTION DET.
 NTS.



<p>MECHANICAL ENGINEER:</p> <p>REP. ACT 9286 SEC. 33</p> <p>DRAWINGS AND COPIES THEREOF: AS NECESSARY FOR THE EXECUTION OF THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE RETURNED TO THE ARCHITECT, UNLESS AS ORDERED BY THE ARCHITECT.</p>	<p>PROJECT TITLE:</p> <p>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS</p>	<p>PREPARED BY:</p> <p>CED Operative</p>	<p>NOTED BY:</p> <p>ARCH. HANNAH FAITH P. MORITA, IED. Director, IEPDPO</p>	<p>SHEET NO.:</p> <p>F-2</p>
	<p>LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</p>	<p>PROJECT TITLE:</p> <p>CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS</p>	<p>CHECKED BY:</p> <p>ENGR. NOEL M. TIANGALIR, IED, IED, IEPDPO</p>	<p>APPROVED BY:</p> <p>MERIAN P. CATAJAY-MANLEA, D., CESE. Associate, IEPDPO, IEPDPO President</p>



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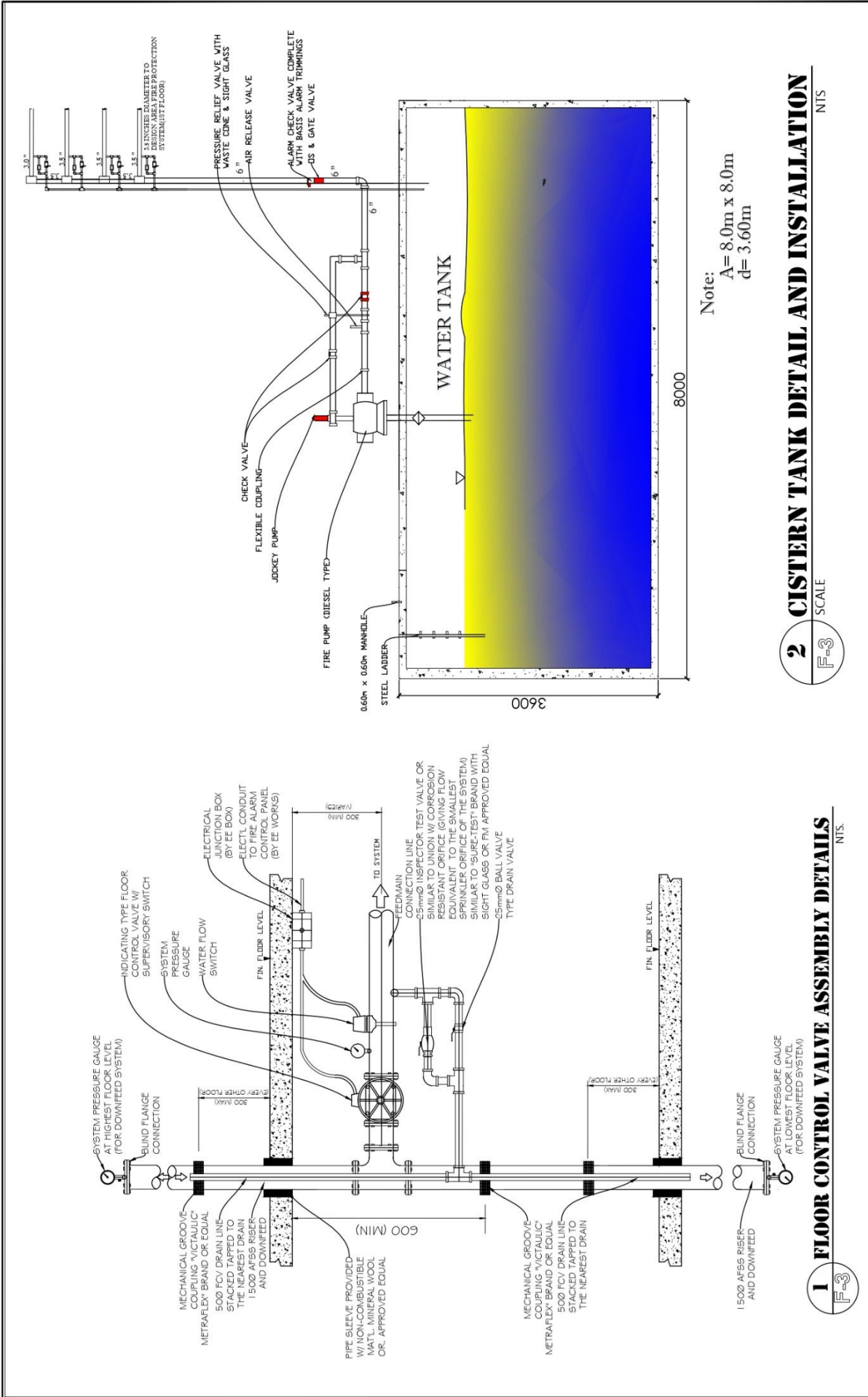
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	MECHANICAL ENGINEER:	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS		PREPARED BY: CJO Operador	NOTED BY: ARCH. HANNAH FAITH F. MOR TA, LDR Director, RPPDO	SHEET CONTENT: AS SHOWN	SHEET NO: F-3
	REP. ACT 9266 SEC. 33 <small>DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE USED ONLY FOR THE WORK FOR WHICH THEY ARE MADE AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.</small>	Validity: Date: Page:	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	CHECKED BY: ENGR. NORBI M. LANGA JR. LDR, RPPDO	APPROVED BY: MERIAN P. CATAAY-MANFIELD, D., CESE. Romblon State University President		



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1 GROUND FLOOR FIRE PROTECTION PLAN
SCALE 1:200

MECHANICAL ENGINEER:		PROJECT TITLE:	CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREURSHIP BUILDING MAIN CAMPUS
REVISIONS:		LOCATION:	RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON
1. Generator Sit.		REV.:	
2. Mainline 50mm x 600mm			
3. Fire Pump			
4. Cistern Tank Cap = 60,000 Liters (15,000 Gallons)			
5. Insulators 1st Connection			
6. Size of Mainline			
7. Protection of Pipes/Land of Fire Protection			
8. Down Pipe 50mmØ			

NOTED BY:	ARCH. HANNAH FAITH P. MORTA, JRP.	SHEET NO.:	F-4
PREPARED BY:	CLD Operator	SHEET CONTENT:	AS SHOWN
CHECKED BY:	ENGR. NOEL M. TANCOA JR.		
APPROVED BY:	MERIAN P. CALAMAYAN M. EST. D. CESE		



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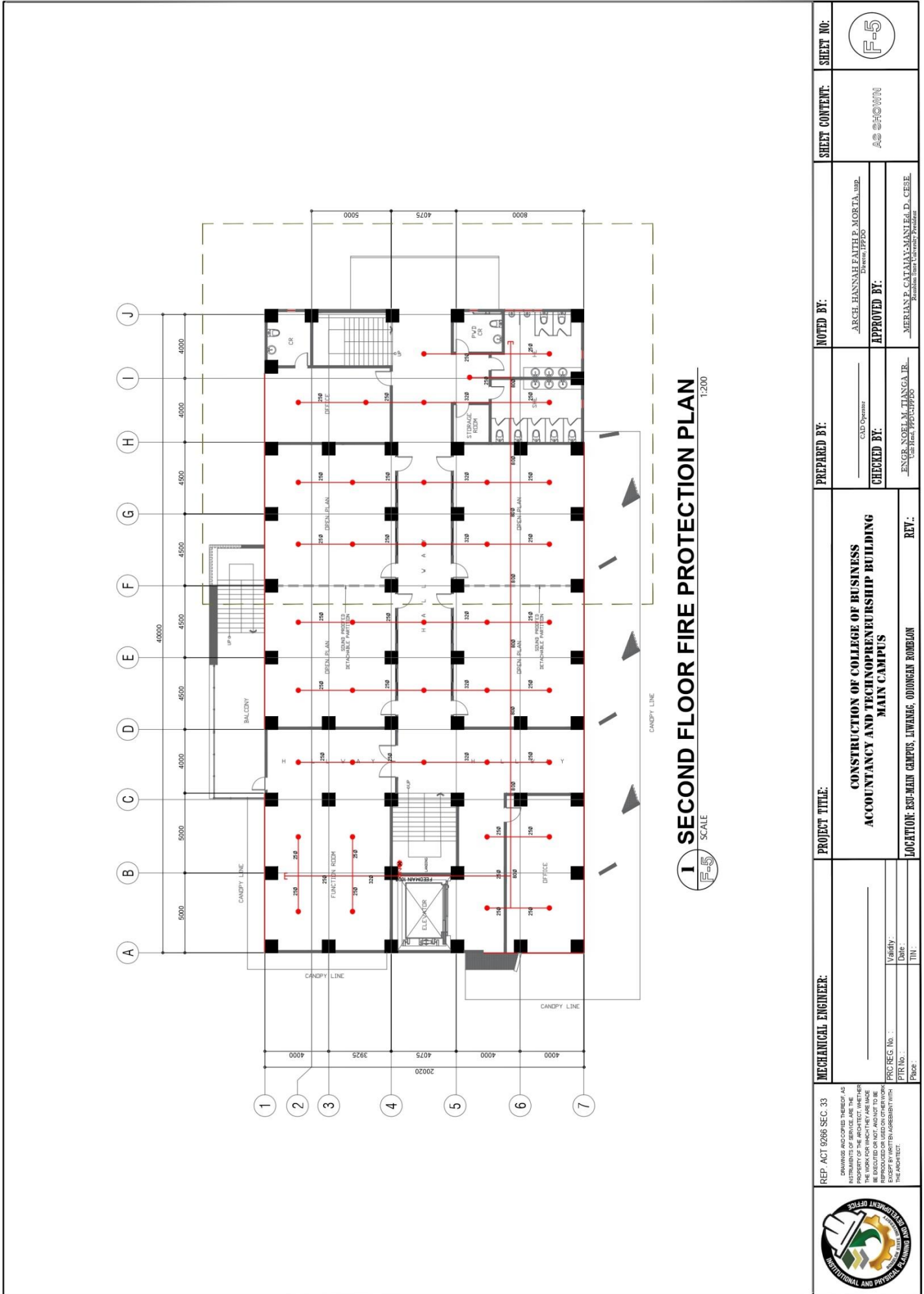
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	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	REV.:				



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	<h2 style="margin: 0;">THIRD FLOOR FIRE PROTECTION PLAN</h2> <p style="margin: 0;">SCALE 1:200</p>	
<p>MECHANICAL ENGINEER:</p> <p>REP. ACT 9286 SEC. 33 <small>DRAWINGS INCORPORATED HEREOF AS PART OF THE CONTRACT ARE THE PROPERTY OF THE ARCHITECT. WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT EXPRESS WRITTEN PERMISSION FROM THE ARCHITECT.</small></p>	<div style="text-align: center;"> </div>	<p>SHEET CONTENT:</p> <p style="text-align: center; font-size: 24px; font-weight: bold;">AS SHOWN</p>
<p>PROJECT TITLE:</p> <p style="text-align: center; font-weight: bold;">CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOpreneurSHIP BUILDING MAIN CAMPUS</p>	<p>NOTED BY:</p> <p style="text-align: right; font-size: 10px;">ARCH. HANNAH FAITH P. MORTA, LINC. Director, PPDO</p>	<p>SHEET NO.:</p> <p style="text-align: center; font-size: 24px; font-weight: bold;">F-6</p>
<p>MECHANICAL ENGINEER:</p> <p>PRG. REG. No. : Date : Place :</p>	<p>PREPARED BY:</p> <p style="text-align: center; font-size: 10px;">CAD Operator</p> <p>CHECKED BY:</p> <p style="text-align: right; font-size: 10px;">ENGR. NOEL M. TANAGA JR. Unit Head, PPDO/PPDO</p>	<p>APPROVED BY:</p> <p style="text-align: right; font-size: 10px;">MERIAN P. CALAYAG-MANI Ed.D., CESE. Romblon State University President</p>
<p>MECHANICAL ENGINEER:</p> <p>PRG. REG. No. : Date : Place :</p>	<p>LOCATION: BSP-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</p>	<p>REV.:</p>



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<p>MECHANICAL ENGINEER:</p> <p>REP. ACT 9286 SEC. 33 <small>OWNER AND/OR ENGINEER AS INDICATED SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE BE EXECUTED OR NOT, AND NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small></p>	<p>VALIDITY: _____ DATE: _____ TIN: _____</p> <p>PRC REG. NO.: _____ PTR NO.: _____ Place: _____</p>	<p>PROJECT TITLE:</p> <p style="text-align: center;">CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS</p> <p>LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</p>	<p>NOTED BY:</p> <p style="text-align: center;">ARCH. HANNAH FAITH P. MORTA, UWP. <small>Director, IPPDO</small></p> <p>APPROVED BY:</p> <p style="text-align: center;">MERIAN P. CATARY-MANUEL, D., CESE. <small>Assistant Vice-Chancellor 2, Education</small></p>	<p>SHEET NO.:</p> <p style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">F-7</p>
<p>1 FOURTH FLOOR FIRE PROTECTION PLAN <small>SCALE 1:200</small></p>		<p>PREPARED BY:</p> <p style="text-align: center;">CLD Ogema</p> <p>CHECKED BY:</p> <p style="text-align: center;">ENGR. NOEL M. TIANGA JR. <small>Chief, Fire, IPPDO</small></p>	<p>SHEET CONTENT:</p> <p style="text-align: center;">AS SHOWN</p>	<p>SHEET NO.:</p> <p style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">F-7</p>



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SCHEDULE OF EQUIPMENT

EQUIP. NO.	INDOOR UNIT			OUTDOOR UNIT		
	HP (Nomopower)	COOLING CAPACITY (BTU/Hr.)	QTY.	TYPE	ARFLOW (Cum/Hr.)	EQUIP. NO.
ACU1	1.50	12000	1	WALL MOUNTED	520/360/250	OU1
ACU2	2.00	18000	1	WALL MOUNTED	950/620/520	OU2
ACU3	2.00	18000	1	WALL MOUNTED	950/620/520	

ACU – AIR-CONDITIONING UNITS
OU – OUTDOOR UNITS

EQUIP. NO.	INDOOR UNIT			OUTDOOR UNIT		
	HP (Nomopower)	COOLING CAPACITY (BTU/Hr.)	QTY.	TYPE	ARFLOW (Cum/Hr.)	EQUIP. NO.
ACU9	1.50	12000	1	WALL MOUNTED	520/360/250	OU6
ACU10	2.00	18000	1	WALL MOUNTED	950/620/520	OU7
ACU11	2.00	18000	1	WALL MOUNTED	950/620/520	
ACU12	2.00	18000	1	WALL MOUNTED	950/620/520	OU8
ACU13	2.00	18000	1	WALL MOUNTED	950/620/520	

ACU – AIR-CONDITIONING UNITS
OU – OUTDOOR UNITS

EQUIP. NO.	INDOOR UNIT			OUTDOOR UNIT		
	HP (Nomopower)	COOLING CAPACITY (BTU/Hr.)	QTY.	TYPE	ARFLOW (Cum/Hr.)	EQUIP. NO.
ACU4	1.50	12000	1	WALL MOUNTED	520/360/250	OU3
ACU5	2.00	18000	1	WALL MOUNTED	950/620/520	OU4
ACU6	2.00	18000	1	WALL MOUNTED	950/620/520	
ACU7	2.00	18000	1	WALL MOUNTED	950/620/520	OU5
ACU8	2.00	18000	1	WALL MOUNTED	950/620/520	

ACU – AIR-CONDITIONING UNITS
OU – OUTDOOR UNITS

EQUIP. NO.	INDOOR UNIT			OUTDOOR UNIT		
	HP (Nomopower)	COOLING CAPACITY (BTU/Hr.)	QTY.	TYPE	ARFLOW (Cum/Hr.)	EQUIP. NO.
ACU14	1.50	12000	1	WALL MOUNTED	520/360/250	OU9
ACU15	2.00	18000	1	WALL MOUNTED	950/620/520	OU10
ACU16	2.00	18000	1	WALL MOUNTED	950/620/520	
ACU17	2.00	18000	1	WALL MOUNTED	950/620/520	OU11
ACU18	2.00	18000	1	WALL MOUNTED	950/620/520	

ACU – AIR-CONDITIONING UNITS
OU – OUTDOOR UNITS

GENERAL NOTES:

1. PROVIDE ALL EQUIPMENT & MATERIALS REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWING.
2. CONTRACT CONSTRUCTION DRAWINGS FOR ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
3. INSTALL ALL EQUIPMENT AND APPARATUS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND APPLICABLE CODES AND REGULATIONS.
4. COORDINATE CONSTRUCTION OF ALL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
5. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS CERTIFIED DRAWINGS.
6. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS AND DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
7. LOCATION AND SIZES OF ALL FLOOR, WALL AND ROOF OPENING SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.

LEGEND :

- ACU# AIR-CONDITION UNIT
- OU# OUTDOOR UNIT

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	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON REV: _____						



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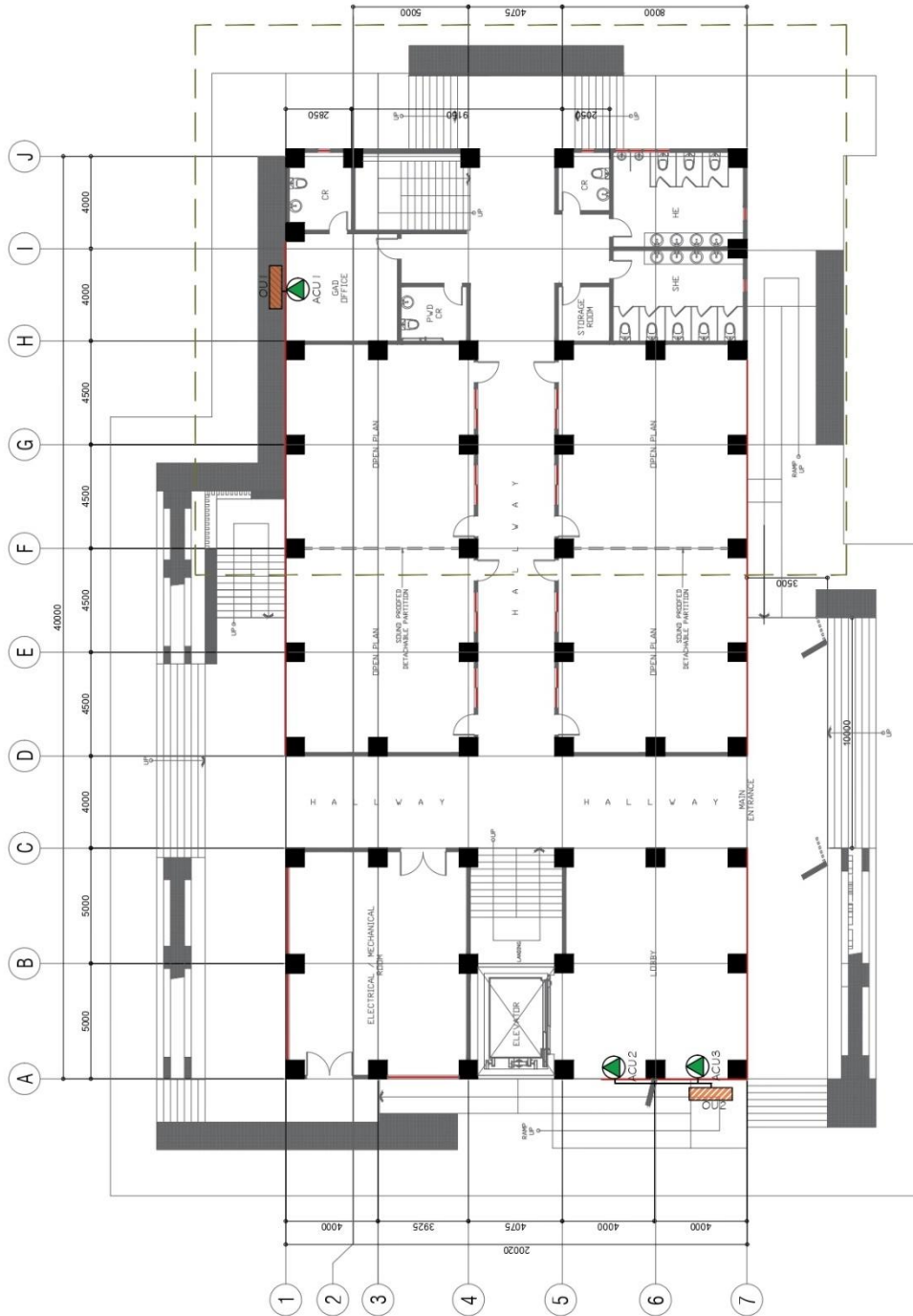
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1 GROUND FLOOR ACUMV PLAN
 SCALE 1:200

MECHANICAL ENGINEER: _____ Validity: _____ Date: _____ TIN: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENURSHIP BUILDING MAIN CAMPUS		PREPARED BY: _____ CID Operator	NOTED BY: _____ ARCH. HANNAH FAITH P. MORTA, URB. Design: JPDPO	SHEET CONTENT: AS SHOWN	SHEET NO.:
	PROC. REG. No. : _____ PTR. No. : _____ Floor : _____	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON		CHECKED BY: _____ ENGR. NOEL M. LANGGA JR. URB. Arch. JPDPO	APPROVED BY: _____ MERIAN P. CATAAN-MANI Ed. D., CESE. President, Romblon State University President	





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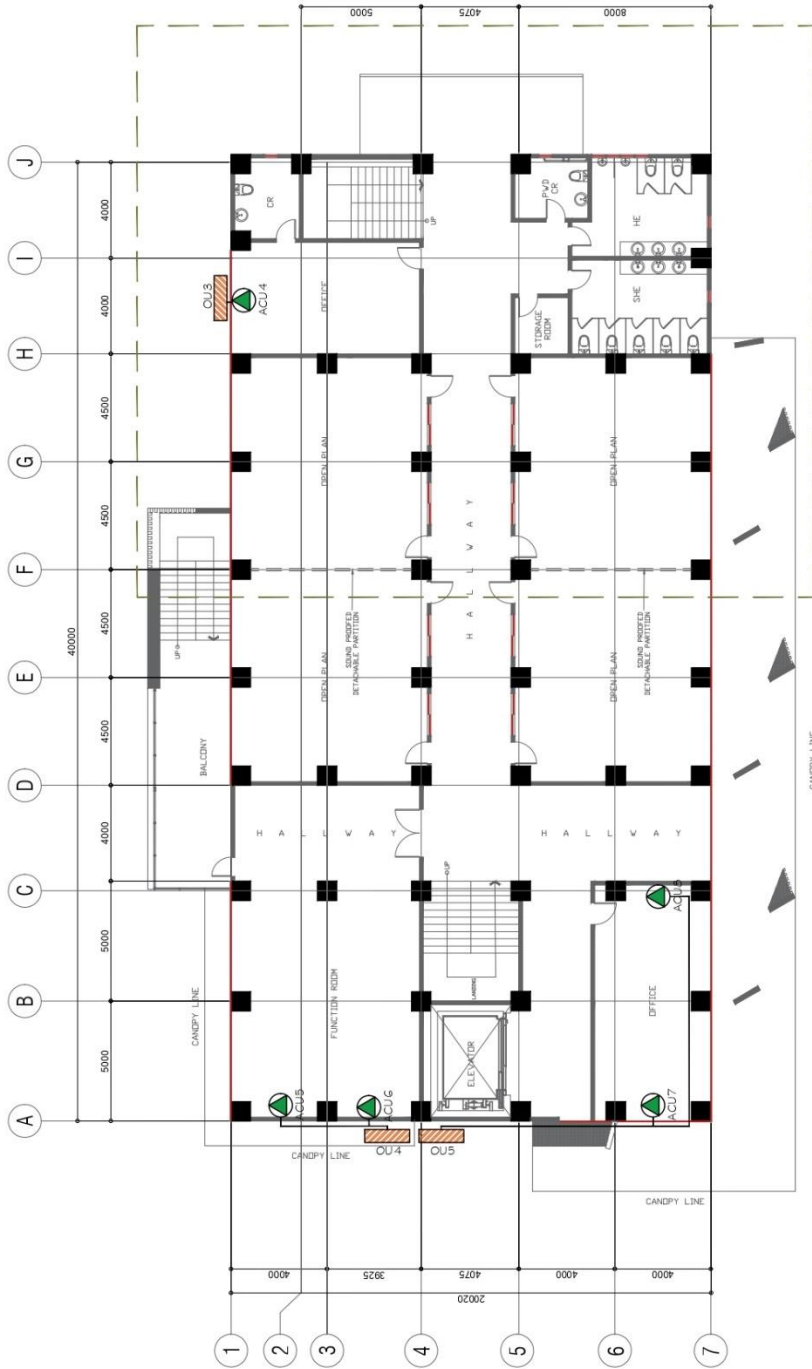
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I SECOND FLOOR ACMV PLAN
 SCALE 1:200

REP. ACT 9266 SEC. 33 <small>REVISIONS AND CORRECTED INSTRUMENTS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. WHETHER THE WORK FOR WHICH THEY ARE MADE IS REPRODUCED OR NOT, AND IN ANY MANNER EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	MECHANICAL ENGINEER: _____ Validity: _____ Date: _____ PTR No.: _____ Place: _____		PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREPRENSHIP BUILDING MAIN CAMPUS		PREPARED BY: _____ CUD-Operations	NOTED BY: ARCH. HANNAH FAITE P. MORTA, UBP Design: PPD-20	SHEET CONTENT: AS SHOWN	SHEET NO.: M-3
	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON		CHECKED BY: ENGR. NOEL M. TANSAGA JR. Unit Head PPD/Operations	APPROVED BY: MERLIAN P. CATAJAYANI, E.L.D., C.E.S.E. Romblon State University President	REV.:			



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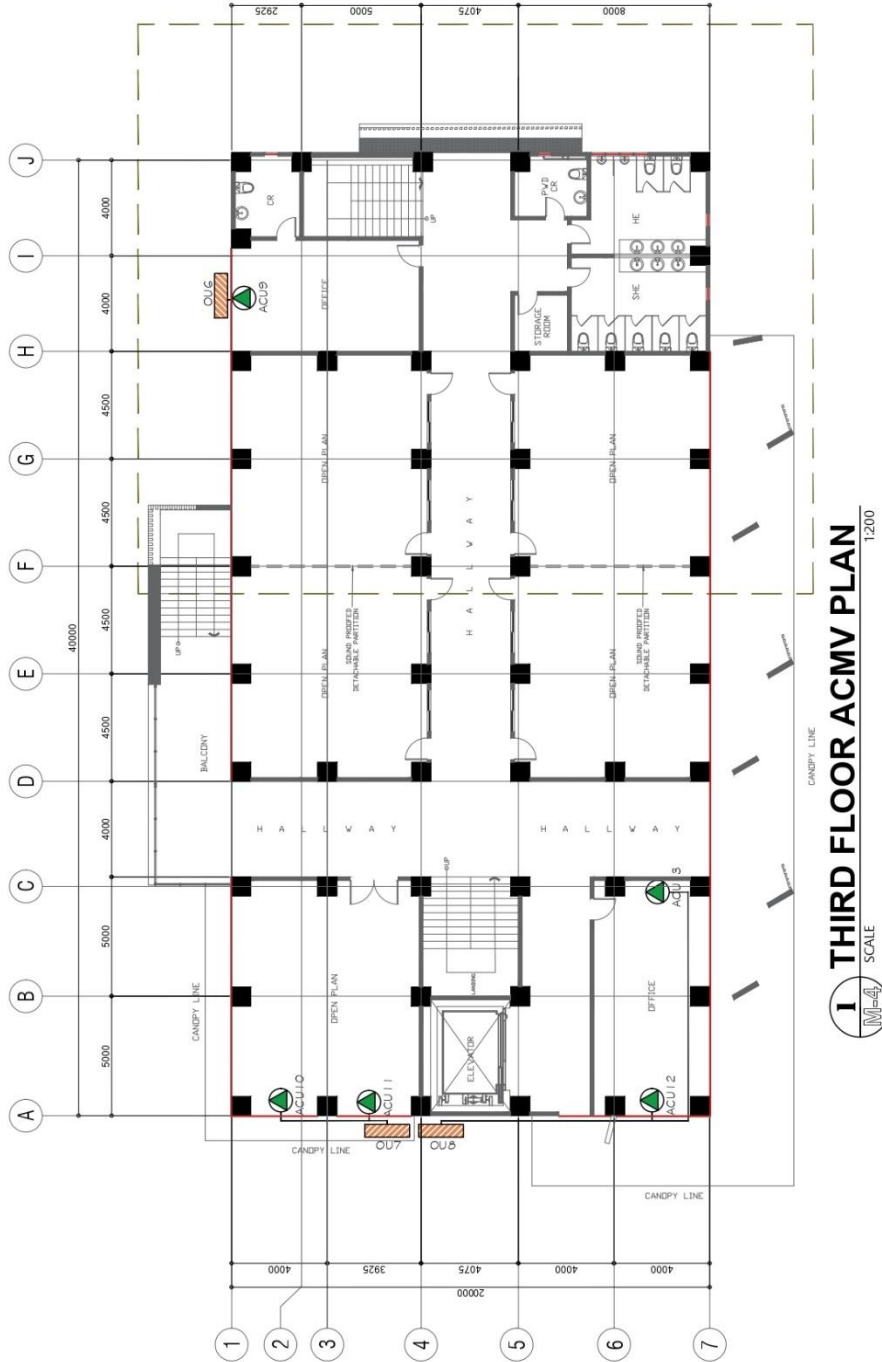
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 Website: rsu.edu.ph



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1 THIRD FLOOR ACMV PLAN
 SCALE 1:200

MECHANICAL ENGINEER: REP. ACT 9266 SEC. 33 <small>DRAWINGS AND COPIES THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE KEPT AND NOT TO BE REPRODUCED OR USED ON OTHER WORKS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.</small>	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLENSHIP BUILDING MAIN CAMPUS	PREPARED BY: CAD Operator	NOTED BY: ARCHEL HANNAH FAITH P. MORETA, UEP Director, UPPCO	SHEET CONTENT: AS SHOWN	SHEET NO.: M-4
	LOCATION: EST-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	CHECKED BY: ENGR. NOEL M. TANGGA JR. UEP Head, UPPCO	APPROVED BY: MERIAN P. CATAAY-MANI Ed. D. CESE Romblon State University President		
PRC REG. No. : PTR No. : Pdate :	Validity Date : TIN :				

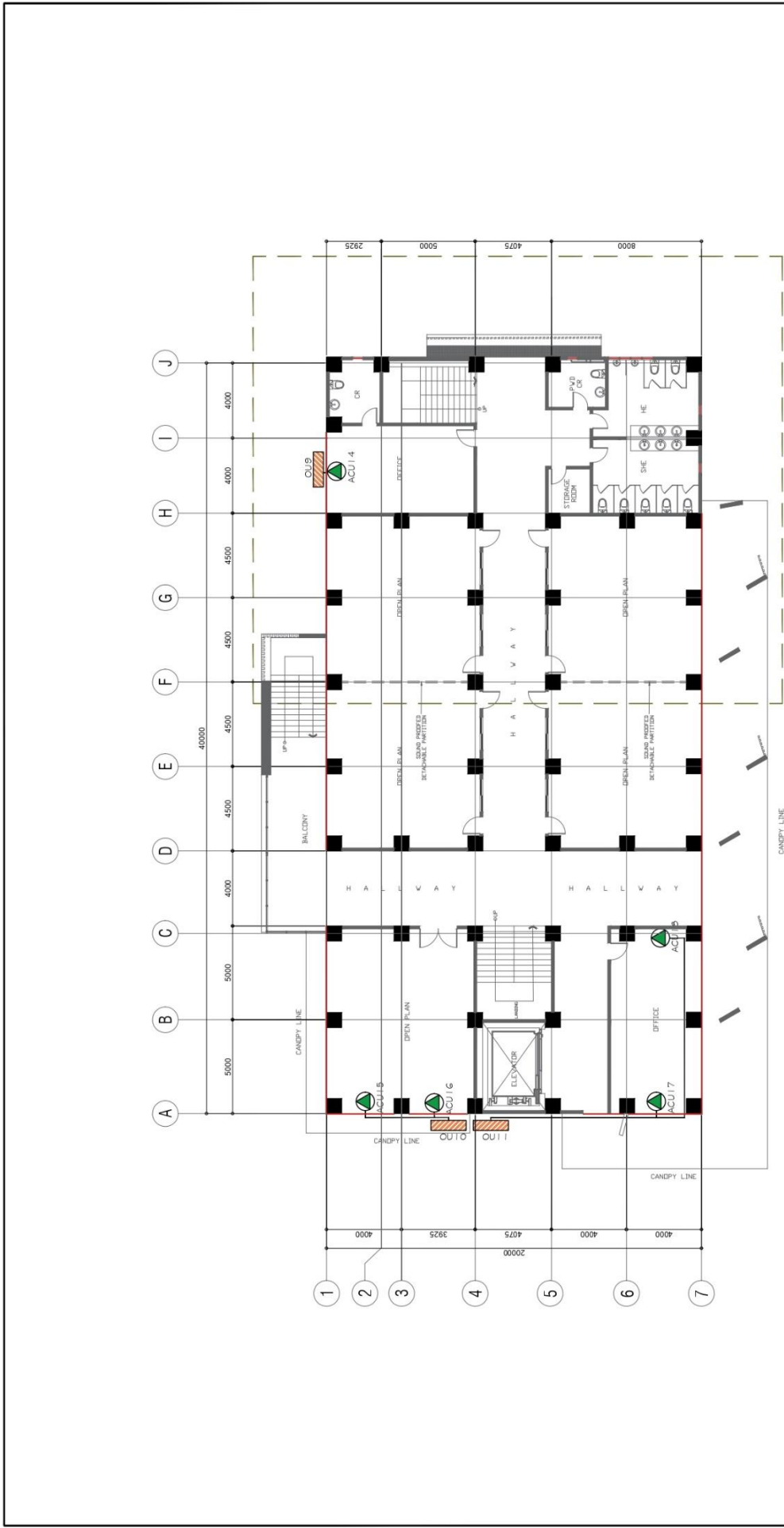


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1 SCALE 1:200
4 FOURTH FLOOR ACMV PLAN

MECHANICAL ENGINEER: Validity: _____ Date: _____ TIN: _____ PRG REC. No. : _____ PTR No. : _____ Page: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS		PREPARED BY: CLD Operator	NOTED BY: ARCH. HANNAH FAITH P. MORTA, UBP Designer, UPPDO	SHEET NO.:
	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	CHECKED BY: ENGR. NOEL M. TIANGA JR. Unit Head, UPPDO	APPROVED BY: MERIAN P. CARANAMANI, E.L.D., CESE Associate Dean, University Center	SHEET CONTENT: AS SHOWN	REV.:





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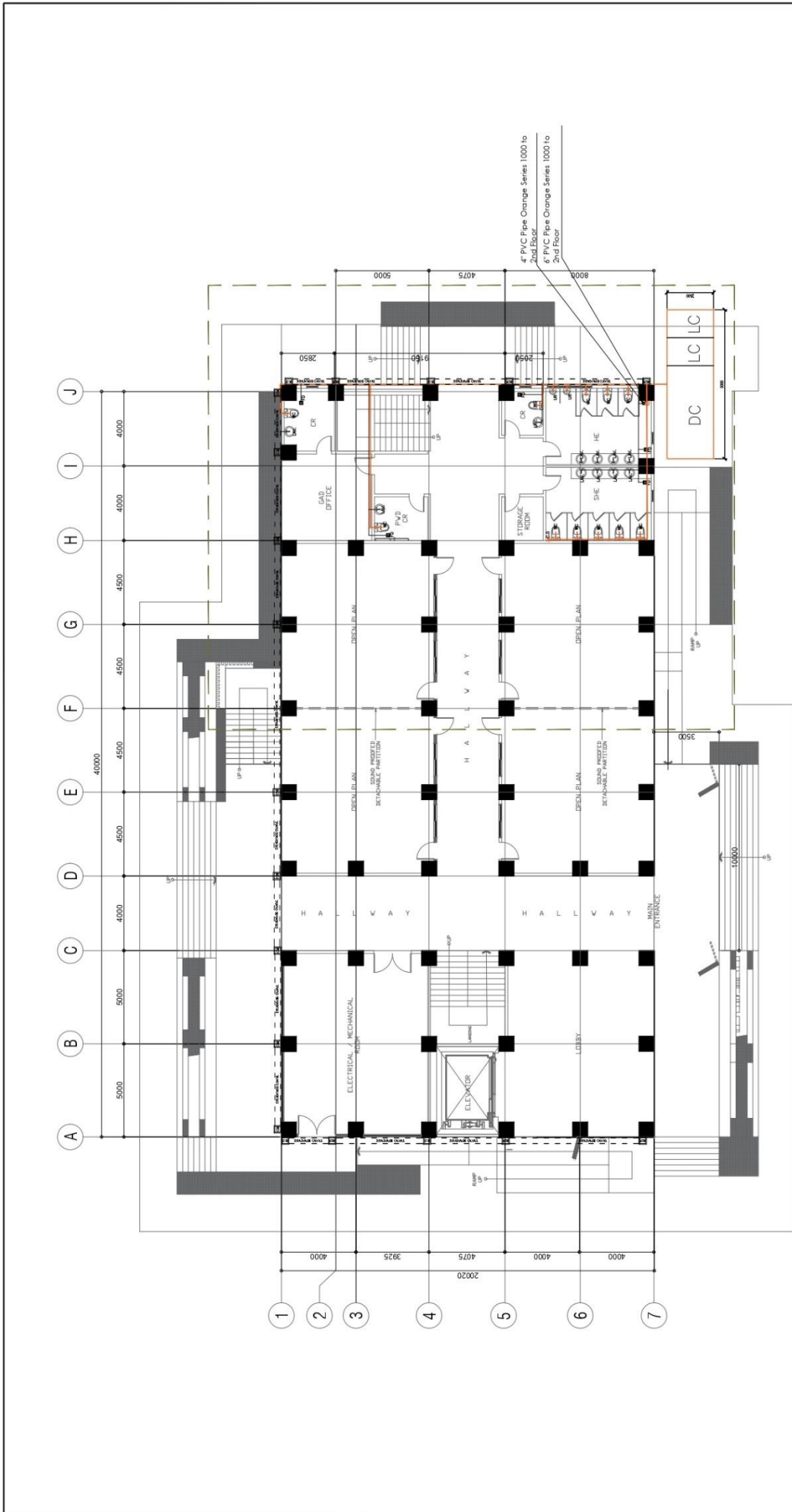
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1 GROUND FLOOR SEWER LINE LAYOUT PLAN
 SCALE 1:200

REP. ACT 9266 SEC. 33 <small>DESIGNS AND SPECIFICATIONS 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 EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	MASTER PLUMBER: Validity: _____ Date: _____ TIN: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS	PREPARED BY: CAD Operator	NOTED BY: ARCH. HANNAH FAITH P. MORTA, Insp. 22000117240	SHEET NO.: P-1
	PRC REG. No.: PIR No.:	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	REVISIONS:	CHECKED BY: ENGR. NOEL M. TIANGA, JR. Lic. No. 1770247240	APPROVED BY: MERIAN P. CALAMAY, M.Sci. Ed. D., CESE Position: Dean, University President



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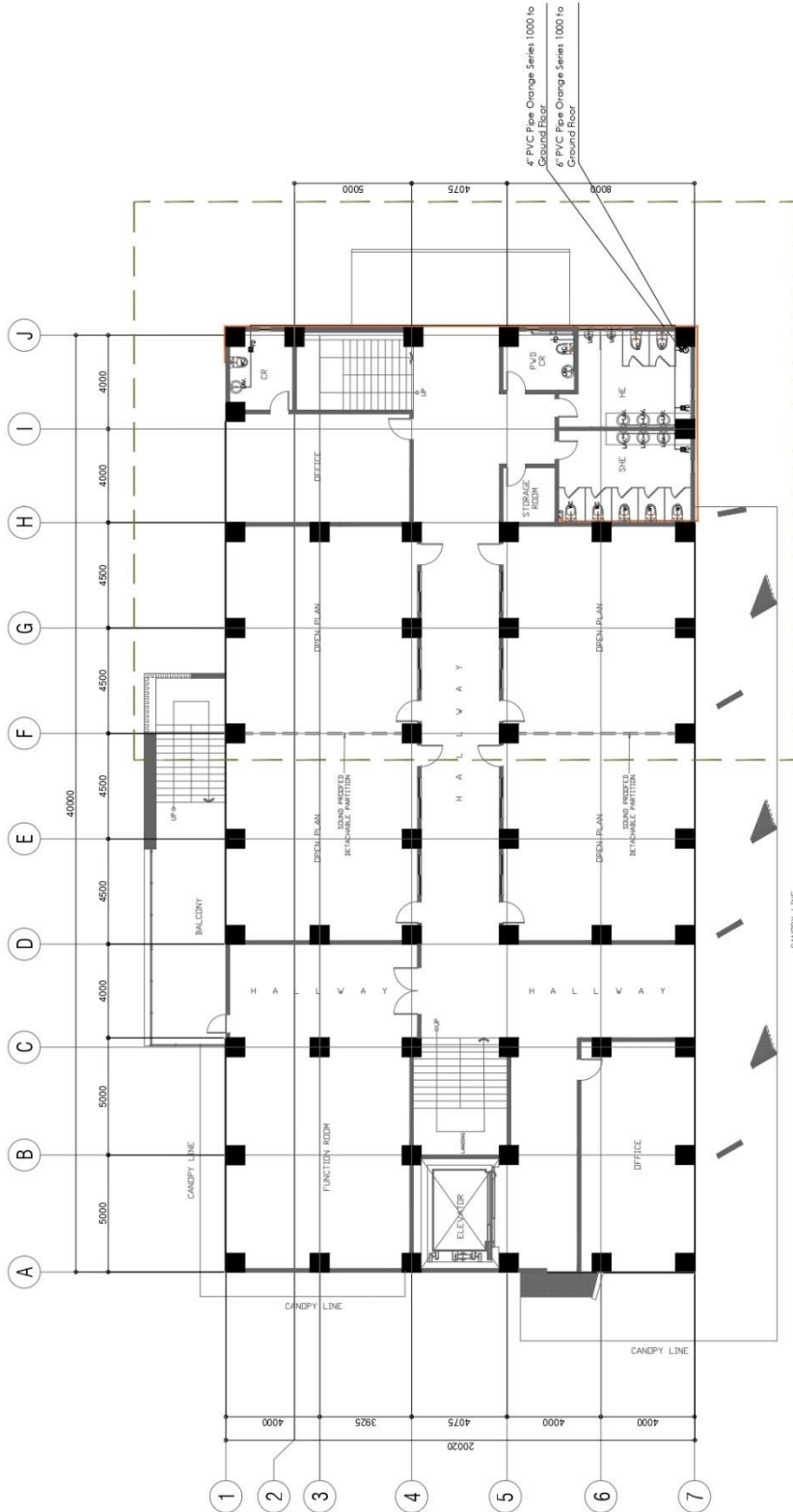
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I SECOND FLOOR SEWER LINE LAYOUT PLAN
 SCALE 1:200

REP. ACT 9266 SEC. 33 <small>DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ENGINEER. THEY ARE TO BE USED ONLY FOR THE PROJECT AND NOT TO BE REPRODUCED OR USED ON OTHER WORKS WITHOUT THE WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	MASTER PLUMBER: Validity Date: _____ TIN: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING MAIN CAMPUS	PREPARED BY: CAD Operator: _____	NOTED BY: ARCH. HANNAH FAITH P. MORTA, <small>urp.</small> Director: JPP/DO	SHEET CONTENT: AS SHOWN	SHEET NO.: P-2
	PRG REG. No. : _____ PPR No. : _____ Place: _____	LOCATION: EST-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	REVISIONS:	CHECKED BY: ENGR. NOEL M. TANGA JR., <small>urp.</small> Civil Engr. JPP/CI/PP/DO	APPROVED BY: MERIAN P. CATAAY-MANUEL, D., <small>CESE.</small> Romblon State University President	

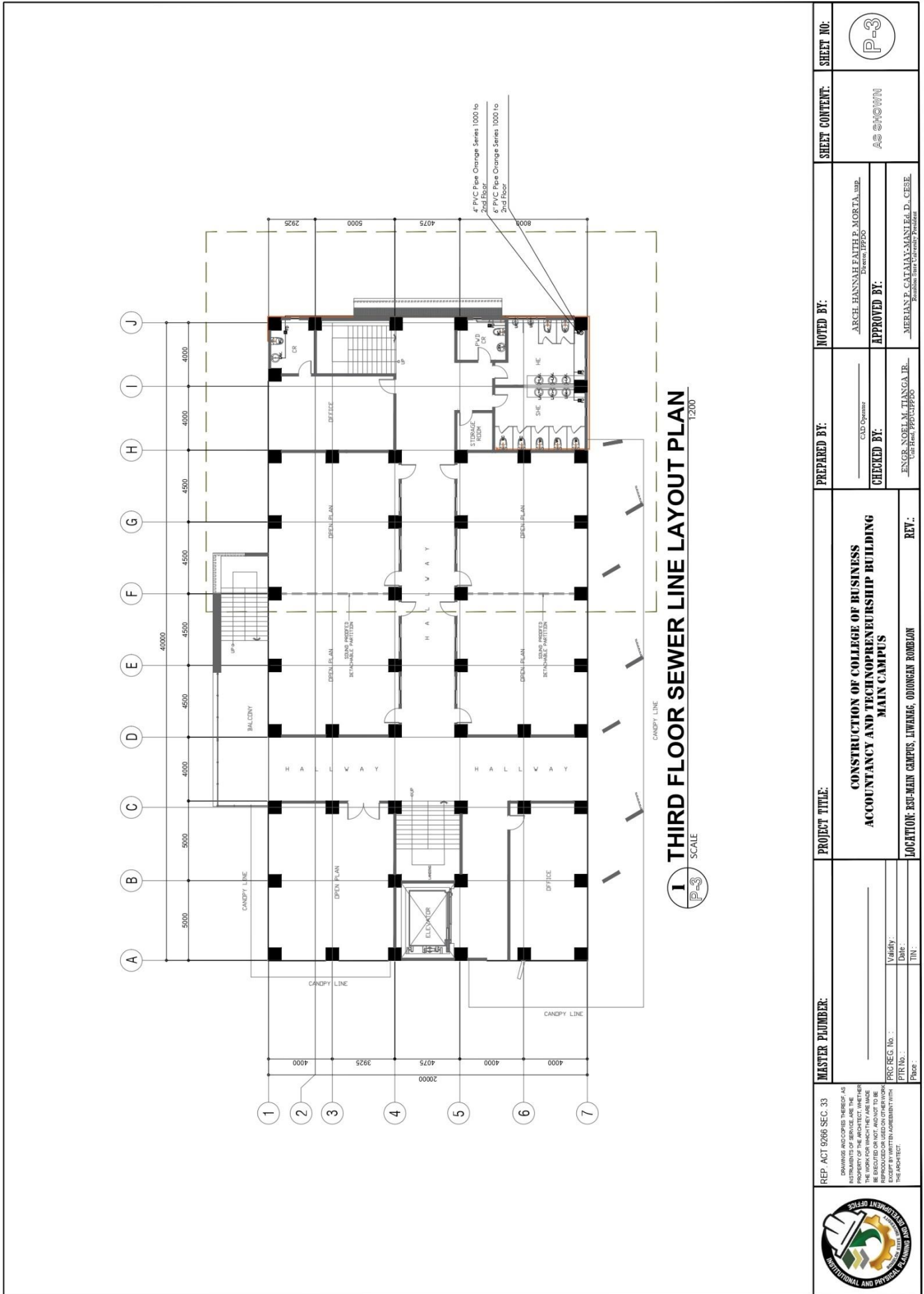


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<p style="text-align: center;">I SCALE 1:200 FOURTH FLOOR PLUMBING LAYOUT PLAN</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">MASTER PLUMBER:</td> <td style="width: 25%;">PROJECT TITLE:</td> <td style="width: 25%;">NOTED BY:</td> <td style="width: 25%;">SHEET NO.:</td> </tr> <tr> <td>REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. NO PARTS THEREOF ARE TO BE REPRODUCED OR USED ON OTHER WORK WITHOUT THE AGREEMENT WITH THE ARCHITECT.</td> <td style="text-align: center;">CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLOGY BUILDING MAIN CAMPUS</td> <td style="text-align: center;">ARCH. HANNAH FAITH P. MORTA, <i>usp</i> Division: JPPDO</td> <td style="text-align: center;">P-4</td> </tr> <tr> <td>PRG. REC. No. : PTR. No. : Page: :</td> <td style="text-align: center;">LOCATION: EST-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</td> <td style="text-align: center;">APPROVED BY:</td> <td style="text-align: center;">AS SHOWN</td> </tr> <tr> <td>Validity: Date: TIN:</td> <td style="text-align: center;">REV.:</td> <td style="text-align: center;">ENGR. NOEL M. TIANGA, JR. Civil Engr. JPPDO</td> <td style="text-align: center;">MERIAN P. CATAVA-MANUEL, D., CEE Romblon State University President</td> </tr> </table>	MASTER PLUMBER:	PROJECT TITLE:	NOTED BY:	SHEET NO.:	REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. NO PARTS THEREOF ARE TO BE REPRODUCED OR USED ON OTHER WORK WITHOUT THE AGREEMENT WITH THE ARCHITECT.	CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLOGY BUILDING MAIN CAMPUS	ARCH. HANNAH FAITH P. MORTA, <i>usp</i> Division: JPPDO	P-4	PRG. REC. No. : PTR. No. : Page: :	LOCATION: EST-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	APPROVED BY:	AS SHOWN	Validity: Date: TIN:	REV.:	ENGR. NOEL M. TIANGA, JR. Civil Engr. JPPDO	MERIAN P. CATAVA-MANUEL, D., CEE Romblon State University President
MASTER PLUMBER:	PROJECT TITLE:	NOTED BY:	SHEET NO.:														
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PRG. REC. No. : PTR. No. : Page: :	LOCATION: EST-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	APPROVED BY:	AS SHOWN														
Validity: Date: TIN:	REV.:	ENGR. NOEL M. TIANGA, JR. Civil Engr. JPPDO	MERIAN P. CATAVA-MANUEL, D., CEE Romblon State University President														



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1 GROUND FLOOR WATER SUPPLY LAYOUT PLAN
 SCALE: 1:200

REP. ACT 9266 SEC. 33 PROVIDES FOR THE REGISTRATION OF ARCHITECTS AND ENGINEERS AS INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE ARCHITECT, WHETHER THE WORK FOR WHICH THEY ARE MADE IS TO BE EXECUTED OR NOT, AND TO BE RESPONSIBLE FOR THE DESIGN AND WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.	MASTER PLUMBER: _____ Validity: _____ Date: _____ TIN: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOENTREPRENEURSHIP BUILDING MAIN CAMPUS	PREPARED BY: _____ CHECKED BY: ENGR. NOEL M. TIANGALIB Unit Head, PPR/UPP/PO	NOTED BY: ARCEL HANNAH FAITH P. MORTA, UPD Director, PPR/PO	SHEET CONTENT: AS SHOWN	SHEET NO.: P-5
	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	RET.: _____	APPROVED BY: MARIAN P. CATAPAN, M.A., D., C.E.S.E. Executive In-Charge, Administration			

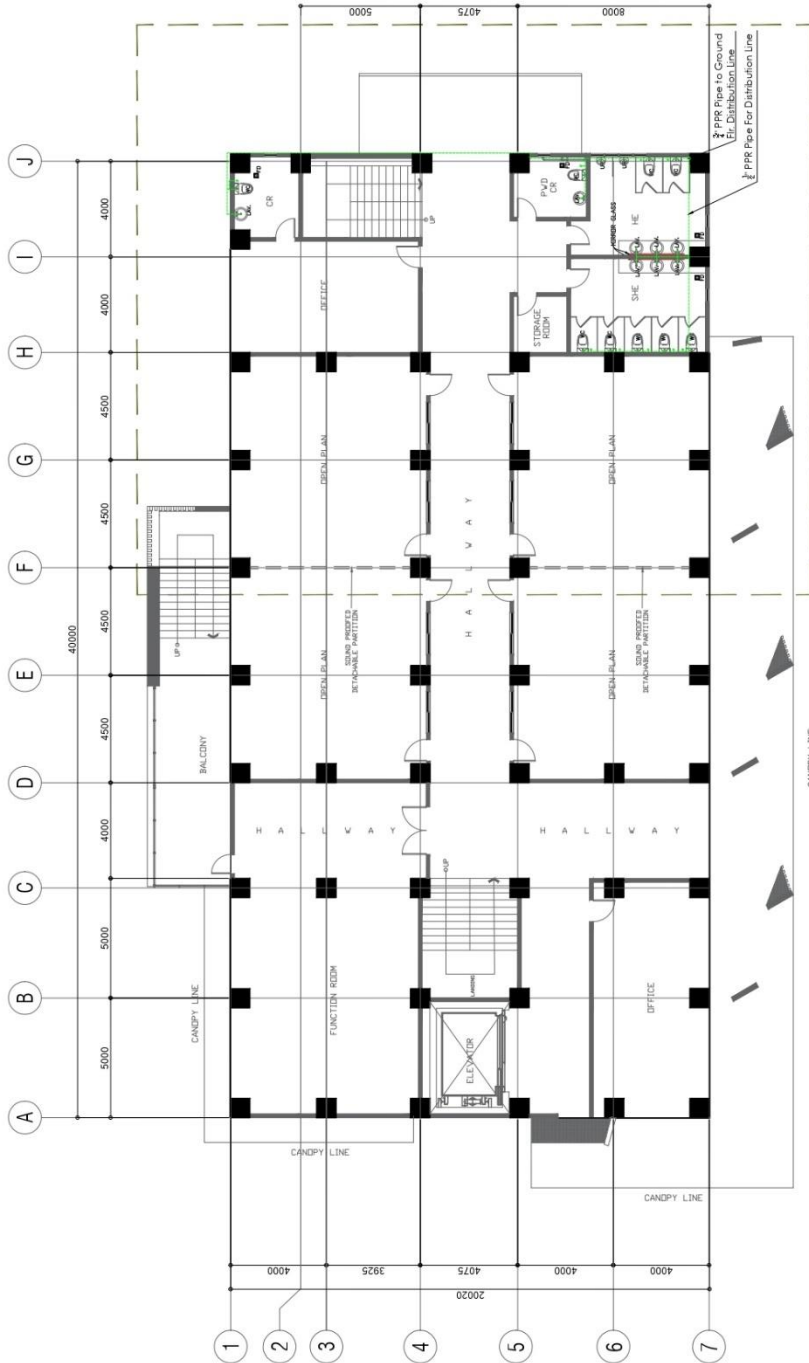


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1 SECOND FLOOR WATER SUPPLY LAYOUT PLAN
 SCALE 1:200

REP. ACT 9206 SEC. 33 <small>DRAWINGS AND INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. WHETHER THE WORK FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, THEY ARE TO BE REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	MASTER PLUMBER:	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS	PREPARED BY: CAD Operator	NOTED BY: ARCH. HANNAH FAITH P. MORTA, UBP- Division UPDAS	SHEET CONTENT: AS SHOWN	SHEET NO.:
	Validity: _____ Date: _____ PTR No.: _____ Page: _____	CHECKED BY: ENGR. NOEL M. TIANGA, JR. <small>Use Res. PPR/UPDAS</small>	APPROVED BY: MERIAN P. CATALAY-MANTELA, D. CESE. <small>Romblon State University President</small>			
	LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	REV.:				



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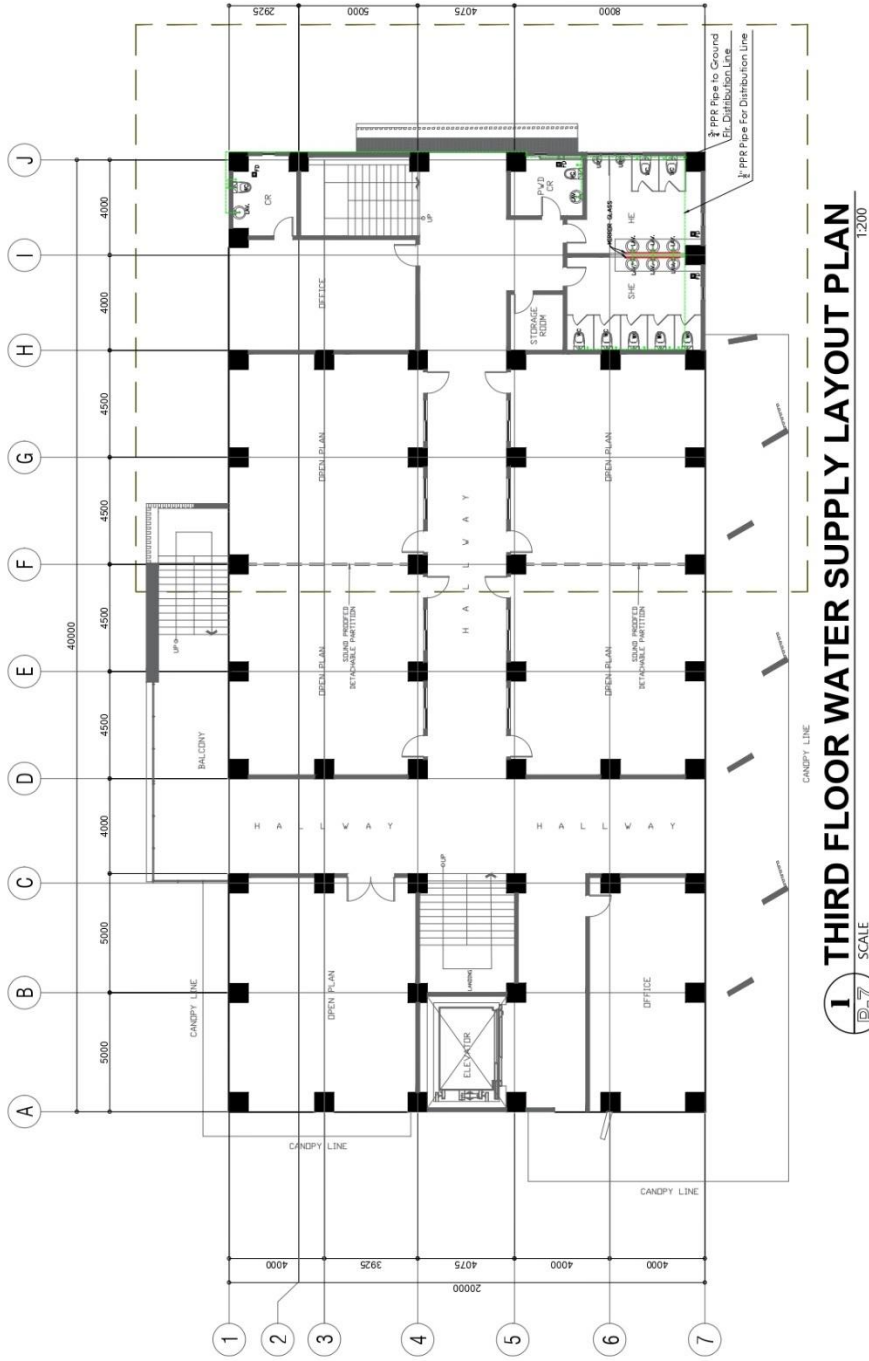
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1 THIRD FLOOR WATER SUPPLY LAYOUT PLAN
 SCALE 1:1200

REP. ACT 9286 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 IS REPRODUCED OR USED ON OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT.</small>	MASTER PLUMBER: PTR No. : Price :	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLEADERSHIP BUILDING MAIN CAMPUS	PREPARED BY: C.L.D. Ojeda	NOTED BY: ARCH. HANNAH FAITH P. MORTA, UWP. UWP/RSU/PPDO	SHEET CONTENT: AS SHOWN	SHEET NO.:
	Vaidy : Date : TIN :	REVISIONS: LOCATION: XSI-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	CHECKED BY: ENGR. NOEL M. TIANGA, JR. UWP/RSU/PPDO	APPROVED BY: MERIAN P. CATALAYMAN, D. CESE. Romblon State University President	REV.:	



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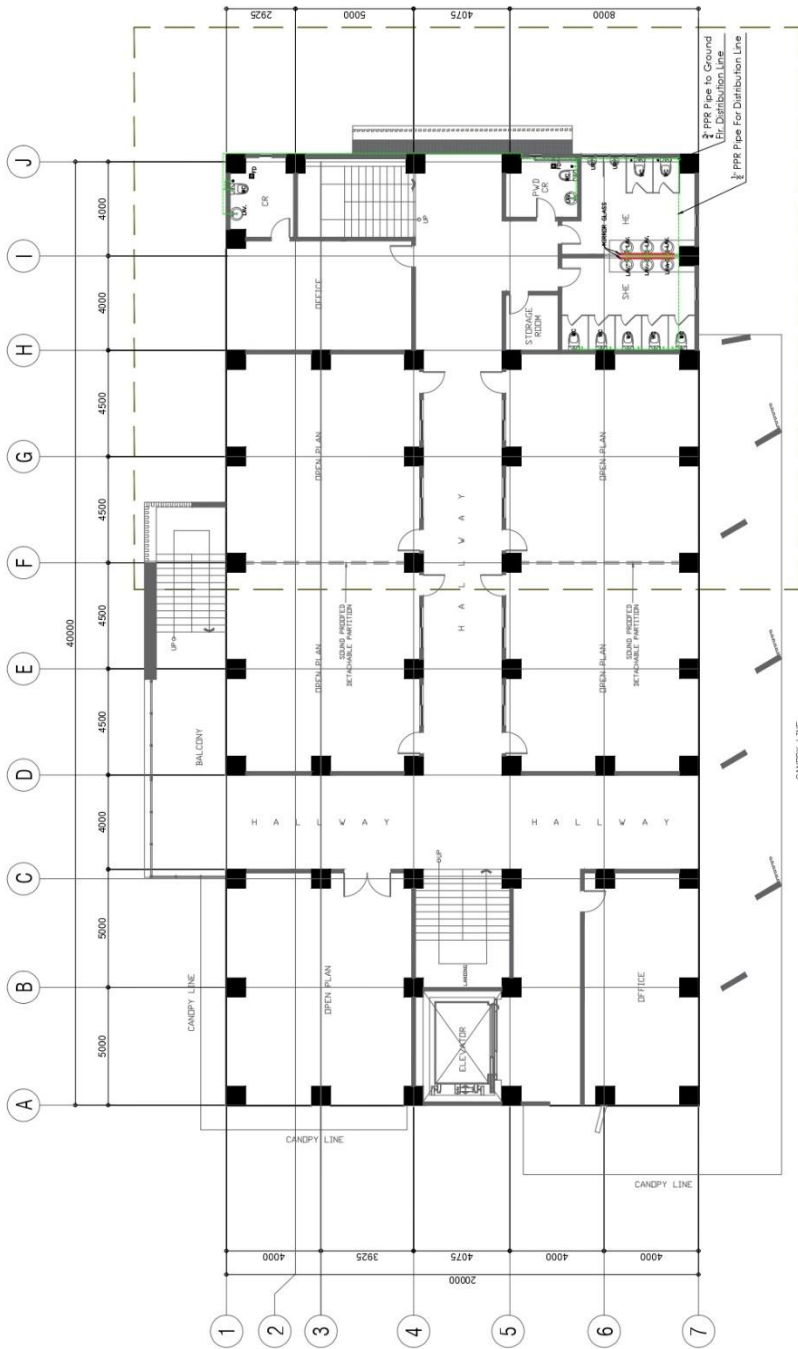
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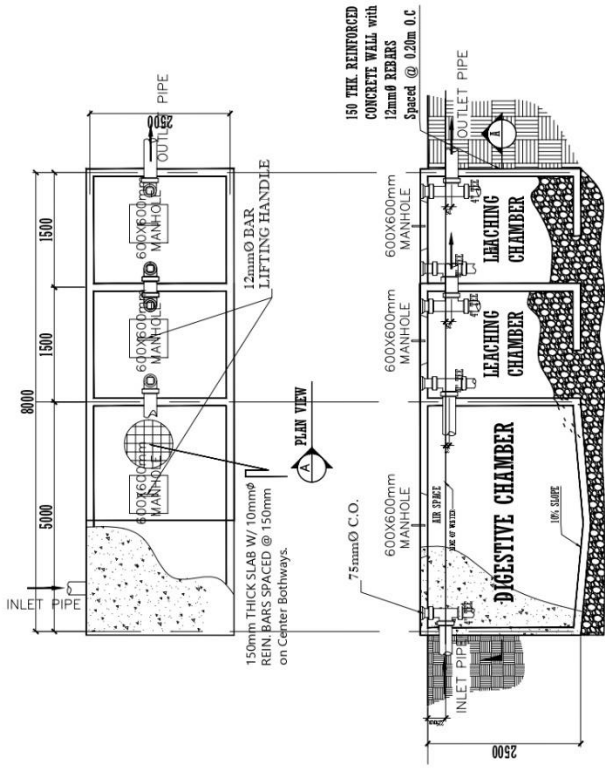


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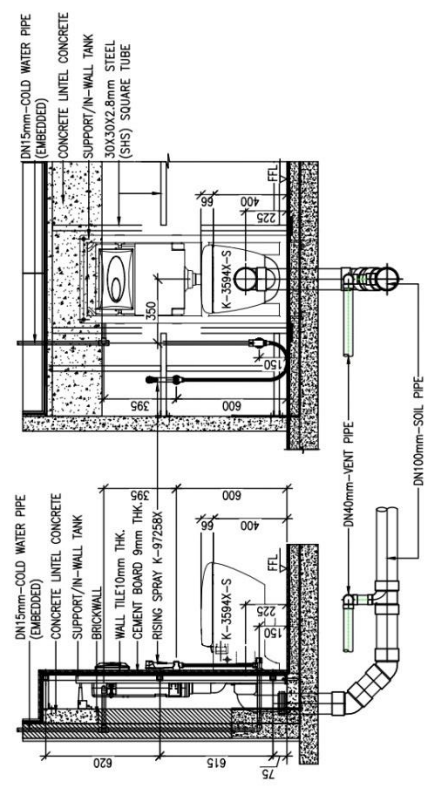


1 SCALE
P-8
FOURTH FLOOR WATER LINE LAYOUT PLAN
 1:200

REP. ACT 9296 SEC. 33 <small>DRAWINGS AND COPIES THEREOF, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT. THEY ARE TO BE EXCISED OR NOT, AND NOT TO BE REPRODUCED OR USED FOR OTHER WORK, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.</small>	MASTER PLUMBER: Validity: _____ Date: _____ File No.: _____ Page: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING MAIN CAMPUS LOCATION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	PREPARED BY: CLD Operator	NOTED BY: ARCEL HANNAH FAITH P. MORATA, LMP Director, IFFDO	SHEET CONTENT: AS SHOWN	SHEET NO.: P-8
	REV.: _____	CHECKED BY: ENGR. NOEL M. TIANGA, LIR. Lead Design IFFDO/IFFDO	APPROVED BY: MERIAN P. CATARY-MAN, Ed.D., CESE. Associate Dean, University President			



1 PLAN OF SEPTIC VAULT
 SCALE: 1/8" = 1'-0"
 N.T.S.

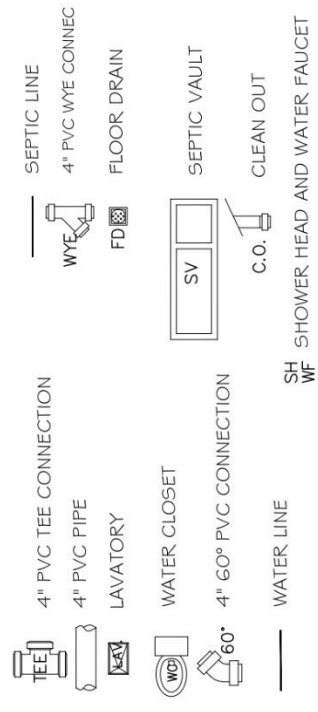


WALL HUNG TOILET TYPICAL INSTALLATION

SPECIFICATIONS :

- ALL HORIZONTAL PIPINGS SHALL BE RUN IN PRACTICAL ALIGNMENT AND AT UNIFORM UNIFORM GRADE NOT LESS THAN 2% AND SHALL BE SUPPORTED OR ANCHORED AT INTERVAL NOT TO EXCEED 1.0M.
- ALL PIPES PASSING THRU OR UNDER WALLS AND DRIVEWAYS SHALL BE PROPERLY PROTECTED AGAINST BREAKAGE.
- WORKMANSHIP SHALL BE OF SUCH CHARACTER AS TO FULLY SECURE THE RESULTS SOUGHT IN ALL PROVISIONS OF THE NATIONAL PLUMBING CODE INCLUDING THE FURNISHING OF ALL FITTINGS, TRAPS, VALVES AND ACCESSORIES REQUIRED FOR PROPER PLUMBING SYSTEM.
- ALL SANITARY WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, NATIONAL BUILDING CODE OF THE PHILIPPINES AND ITS IMPLEMENTING AND REGULATIONS.
- COORDINATE THE DRAWING WITH THE OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ARCHITECT AND/OR THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN HIS/HER DECISION SHALL BE FINAL.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERTED ELEVATION OF EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTORS.
- THE CONTRACTORS SHALL BE RESPONSIBLE FOR ALL REQUIRED FLOOR AND WALL OPENINGS.
- ALL SLOPE FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% MINIMUM UNLESS OTHERWISE NOTED.
- SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

LEGEND :



PROJECT TITLE:	PREPARED BY:	NOTED BY:	SHEET CONTENT:	SHEET NO.:
CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOPRENEURSHIP BUILDING MAIN CAMPUS	CAD Operator	ARCH. HANNAH FAITH P. MORTA, UPD D/Rev. 1/17/20	AS SHOWN	P-9
	Checked By:	APPROVED BY:		
REP. ACT 9266 SEC. 33 DRAWINGS AND COPIES THEREOF AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE ARCHITECT. WHEN THEY ARE RETURNED TO HIM, THEY SHALL BE REJECTED FOR NOT AND NOT TO BE REPRODUCED OR USED ON OTHER WORKS WITHOUT HIS ASSEMBLY WITH THE ARCHITECT.	ENGR. NOEL M. TIANGA, JR., UPD/Rev. 1/17/20	MERIAN P. CATAJAY-MANTEL, D. CESE, Romblon State University President		
PRC REG. No. : PTR No. : Place :	LOCALTION: RSU-MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON	REV. :		



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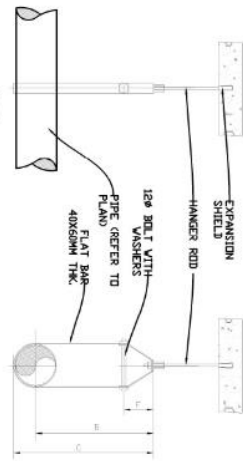
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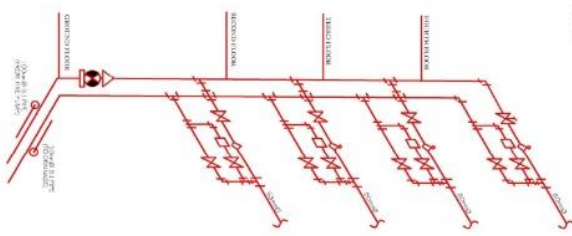
- GENERAL NOTES:**
- ALL WORKS SHOULD BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODE NO. 13 & 20.
 - THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODE NO. 13 & 20.
 - ALL WORKS SHALL BE EXECUTED IN ACCORDANCE WITH ALL OTHER REQUIREMENTS OF THE ARCHITECT AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY CORRECTION OF THE SPRINKLER HEADS SHALL BE COORDINATED WITH ARCHITECTURAL, CEILING, LIGHTING AND SHALL BE SUBJECT TO ARCHITECT & ENGINEER APPROVAL.
 - LOCATION OF DOWN PIPES FOR INSPECTIONS TEST AND DOWN VALVES SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR.
 - FIRE/JOCKEY PUMP, WATER FLOW SWITCHES, MONITOR SWITCHES ELECTRICAL CONNECTIONS SHALL BE DONE BY THE SPRINKLER CONTRACTOR UP TO THE CONTROL PANEL & SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR FOR POWER TAPPING.
 - ALL PIPES SEES ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - UNLESS OTHERWISE NOTED, ALL FITTINGS & CROSSINGS SHALL BE WELD JOINTS & ALL BRANCHINGS SHALL BE SCREWED JOINTS.
 - PIPE STERES SHALL BE PROVIDED FOR ALL PIPES PASSING THRU SLAB, WALLS AND BEAMS.
 - MINIMUM PIPE SIZE FOR ALL SPRINKLER HEAD SHALL BE 25mm DIAMETER UNLESS OTHERWISE NOTED.
 - STANDARD PIPE SIZE AND SPECIFICATION ARE THE FOLLOWING USE FOR FIRE PROTECTION ARE:
 - 200mm AND ABOVE - USE B1 PIPE SCHED. 80
 - 150mm AND BELOW - USE B1 PIPE SCHED. 40
 - 100mm AND BELOW - MECHANICAL GROOVE FITTING
 - 50mm AND BELOW - THREADED FITTING W/FLARE END, ENW

TABLE OF DIMENSION

PIPE SIZE	DIMENSION IN MILLIMETER (MM)			
	800 DIA.	B	C	F (MM)
50	110	140	140	22
65/80	12	125	153	30
100	16	155	240	50
150	18	180	255	50



1 PIPE HANGER DETAILS
N.T.S.



2 SCHEMATIC PIPING LAYOUT OF FIRE PROTECTION
N.T.S.

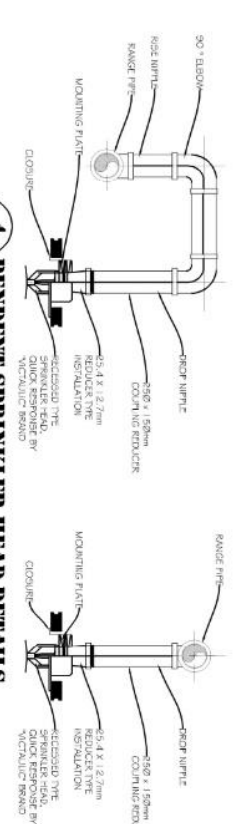
SCHEDULE OF EQUIPMENT

FIRE PUMP	DESIGNATION	QUANTITY	QUANTITY (Liters/Gallon)	TYPE	PUMPING CAPACITY (GPM/CMH)	RPM	MOTOR BOMB		REMARKS	
							HP	PHASE		HTZ
FP		1	1,200,000	SHAKE SIZE STP. CASE (1/2" DIA)	800(120)	3500	PHASE	3PH	60	UNIT SHALL BE BRAND NEW AND OF THE APPROVED TYPE. COMPLETE WITH STANDARD ACCESSORIES, READY FOR SERVICE.

JOCKEY PUMP	DESIGNATION	QUANTITY	QUANTITY (Liters/Gallon)	TYPE	PUMPING CAPACITY (GPM/CMH)	RPM	MOTOR BOMB		REMARKS	
							HP	PHASE		HTZ
JP		1	37,800(10)	SHAKE SIZE (3/4" DIA)	800(120)	2800	PHASE	3PH	60	UNIT SHALL BE BRAND NEW AND OF THE APPROVED TYPE. COMPLETE WITH STANDARD ACCESSORIES, READY FOR SERVICE.



3 DETAILS OF SWAY BRACINGS
N.T.S.



4 PENDENT SPRINKLER HEAD DETAILS
N.T.S.

	REP. ACT 9296 SEC. 33 ENGINEER IN CHARGE OF THE PROJECT OF THE ARCHITECT, ENGINEER OR CONSULTANT WHO HAS BEEN DESIGNATED BY HIMSELF OR BY THE ARCHITECT. PRG. REG. NO.: PRT. NO.: DATE: TNL:	MECHANICAL ENGINEER.	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-REINFORCEMENT BUILDING	LOCATION: RSU-MAIN CAMPUS LIWANAG ODIONGAN ROMBLON	REV.:	DESIGNED BY: ANGEL MOJIBAL CHRISTIANNA CABRAL	NOTED BY:	SHEET CONTENT:	SHEET NO.:
	PREPARED BY: JENIA HERNANDEZ GARCIA APPROVED BY: MERIANDA CATALAN MANTILLA D. CRESIL	APPROVED BY: MERIANDA CATALAN MANTILLA D. CRESIL	AS SHOWN						



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



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MECHANICAL ENGINEER

PROJECT TITLE: **CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING**

LOCATION: RSU-MAIN CAMPUS LIWANAG, ODIONGAN ROMBLON

REP. ACT 9266 SEC. 33

MECHANICAL ENGINEER

PRC REG. NO.: _____

PTR NO.: _____

DATE: _____

TIN: _____

PREPARED BY: JANEER JONATHAN CHRISTIANUS CABRAL (Project Engineer)

APPROVED BY: ARCH. HANNAH EVELYN P. MORTA, APR (Dean/UPRO)

MECHANICAL ENGINEER

NOTED BY: _____

APPROVED BY: MERLAN P. CARMANAY-MANTEL D. CESIE (Mechanical Team University President)

SHEET CONTENT: AS SHOWN

SHEET NO: (F-2)

1 PIPE SLEEVES DETAILS

NOTE: SEAMS SHALL BE PROVIDED AROUND ALL PIPES PENETRATING THROUGH WALLS, FLOORS, CEILING AND FISHPOUNDS.

1. THE GAP/JUNCTION BETWEEN THE PIPE SLEEVES SHALL BE FILLED WITH NON-COMBUSTIBLE FIBREGLASS MINERAL WOOL, FIBRE GLASS OR EQUIVALENT.

2. MINIMAL GASKETING BETWEEN PIPE AND SLEEVES SHALL NOT BE LESS THAN 25MM FOR PIPE 25MM THROUGH 25MM & 40MM FOR PIPE SIZE 100MM AND ABOVE. SLEEVES SHALL BE EXTENDED AT LEAST 75MM ABOVE THE TOP OF THE ROOFING SURFACE.

2 INSPECTOR TEST CONNECTION DET.

TO NEAREST DRAIN (PROVIDE ORIFICE EQUIVALENT TO SPRINKLER AT PIPE END)

3 FLOOR CONTROL VALVE ASSEMBLY

NOTE: 300MM VARIES

4 ALARM CHECK VALVE ASSEMBLY

NOTE: 300MM VARIES

5 FIRE HOSE CABINET DETAILS

NOTE: 300MM VARIES

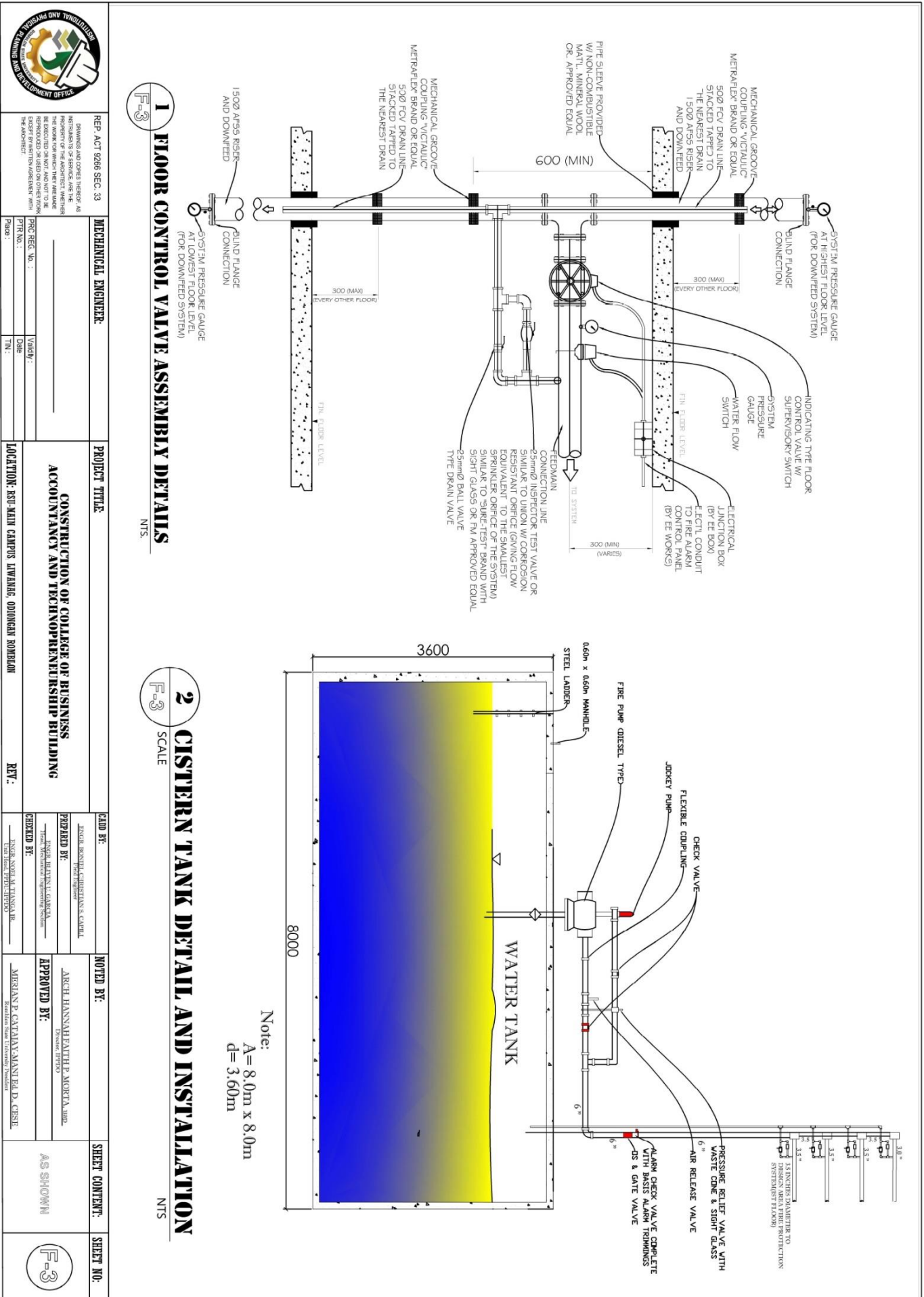
6 FIRE EXTINGUISHER DETAILS

NOTE: 100MM VARIES

FIRE EXTINGUISHER		QUANTITY	WEIGHT	AGENT	TYPE (LITERS)	PKT.	WALL MOUNTING	EXTINGUISHER HEIGHT	REMARKS
FE	30	14.5 kg.	10 kg.	WALL MOUNTED	12.5 liter	51 cm	HGT 133	EMERGENCY PREVENTION BROWN AND RED/ FOR SERVICE	

SCHEDULE OF EQUIPMENT

SERVING WITH HONOR AND EXCELLENCE!



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	<p>DATE: _____</p> <p>SCALE: _____</p>		<p>REV.:</p>
	<p>DESIGNED BY: _____</p> <p>CHECKED BY: _____</p>		<p>NOTED BY: _____</p> <p>APPROVED BY: _____</p>
	<p>AS SHOWN</p>		<p>SHEET NO. _____</p>



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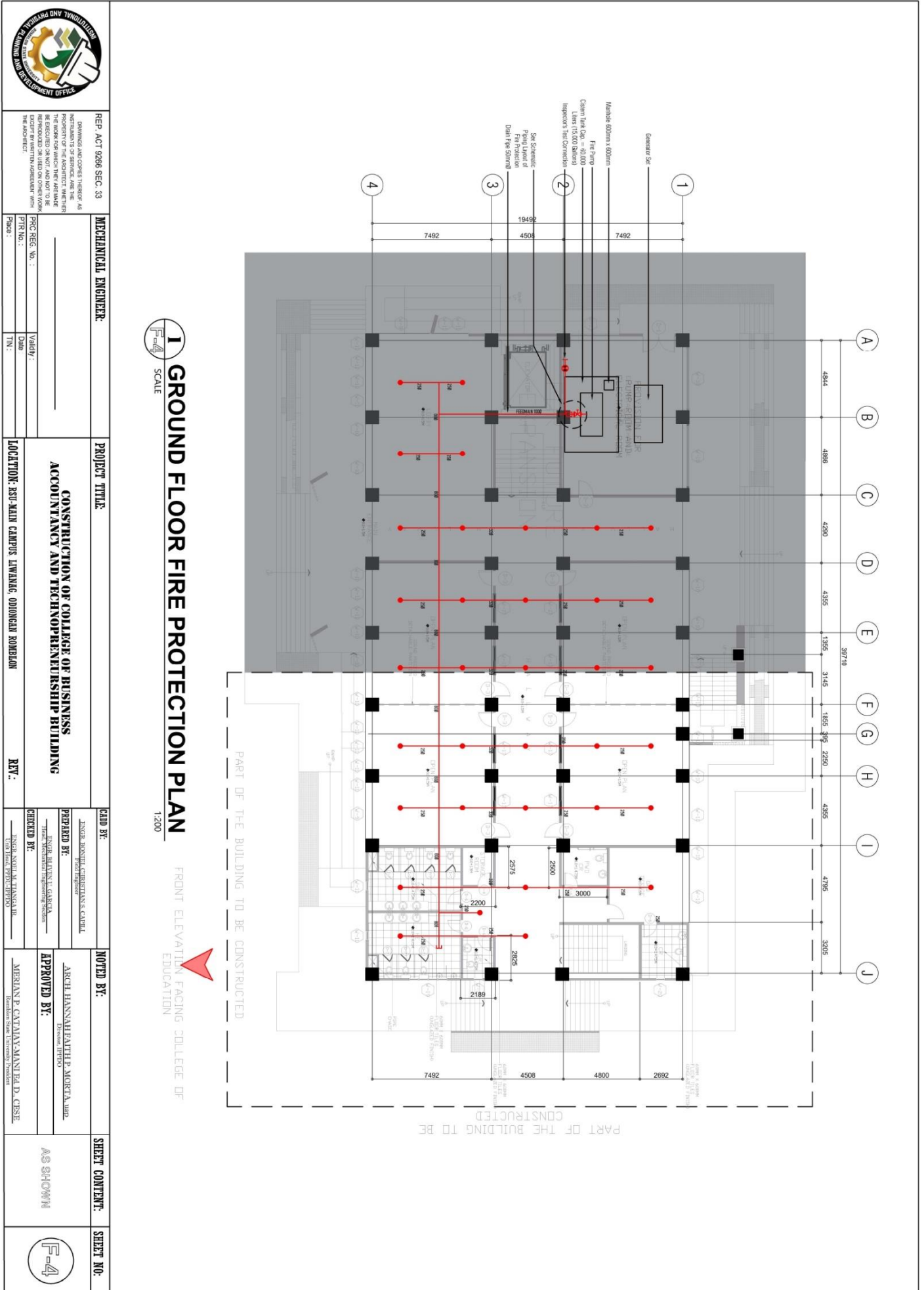
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MECHANICAL ENGINEER:

PROJECT TITLE:

PROPOSED REPERFISHMENT OF UNIVERSITY QUADRANGLE

LOCATION: RSU-MAIN CAMPUS LIWANAG, ODIONGAN ROMBLON

REV.:

DATE BY:

JANER BONDAL CHRISTIAN S. CABRAL
Field Engineer

PREPARED BY:

JANER BONDAL CHRISTIAN S. CABRAL
Field Engineer

CHECKED BY:

JANER BONDAL CHRISTIAN S. CABRAL
Field Engineer

NOTED BY:

ARCH. HANNAHEATHER P. MORETA, MBA
Division Engineer

APPROVED BY:

MERIAN P. CATALAN-MANUEL D. CSE
Romblon State University President

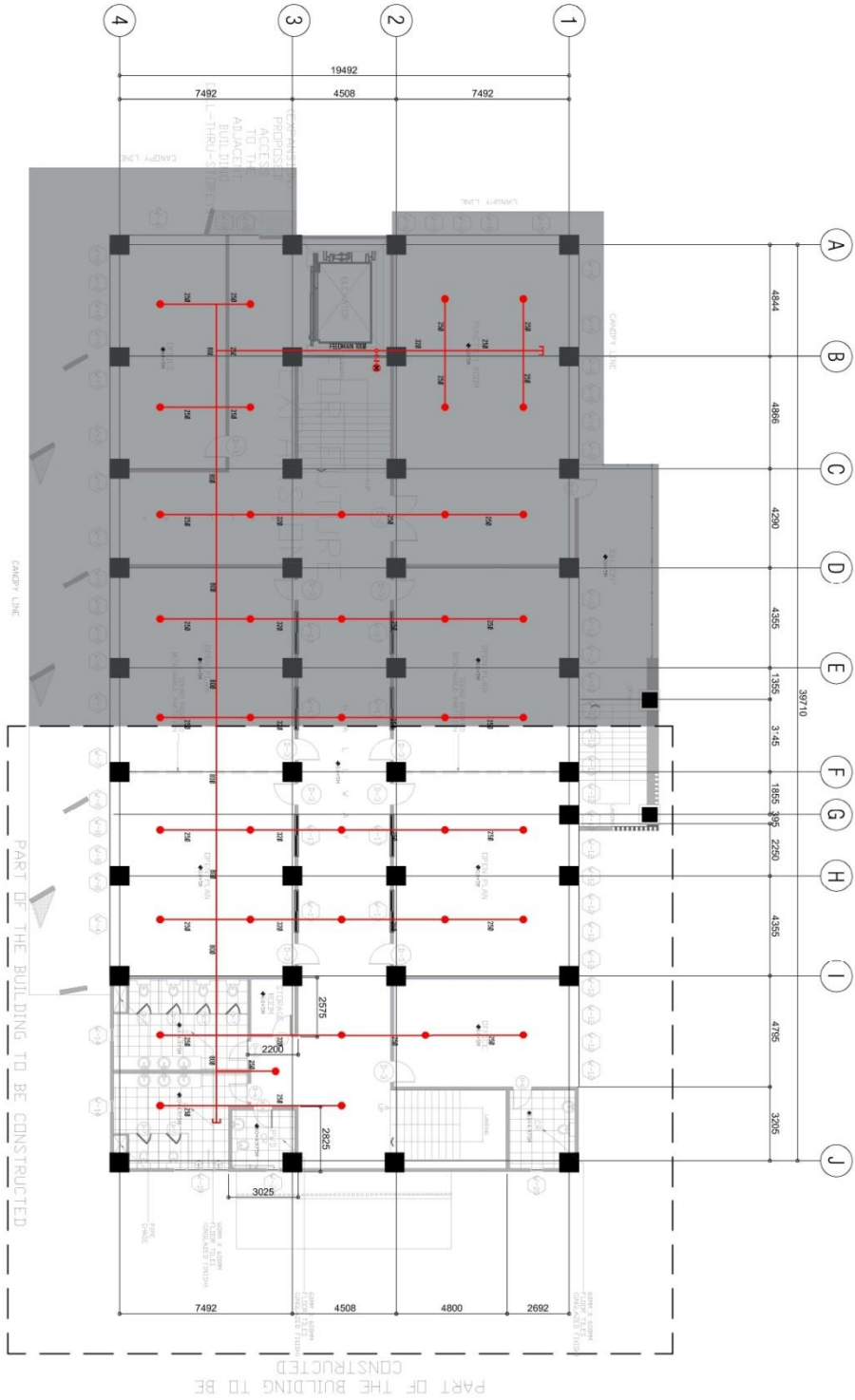
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I SECOND FLOOR FIRE PROTECTION PLAN SCALE 1:200





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1 THIRD FLOOR FIRE PROTECTION PLAN

SCALE: 1:200

FRONT ELEVATION FACING COLLEGE OF EDUCATION



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1 SCALE 1:200
FOURTH FLOOR FIRE PROTECTION PLAN
 FRONT ELEVATION FACING COLLEGE OF EDUCATION

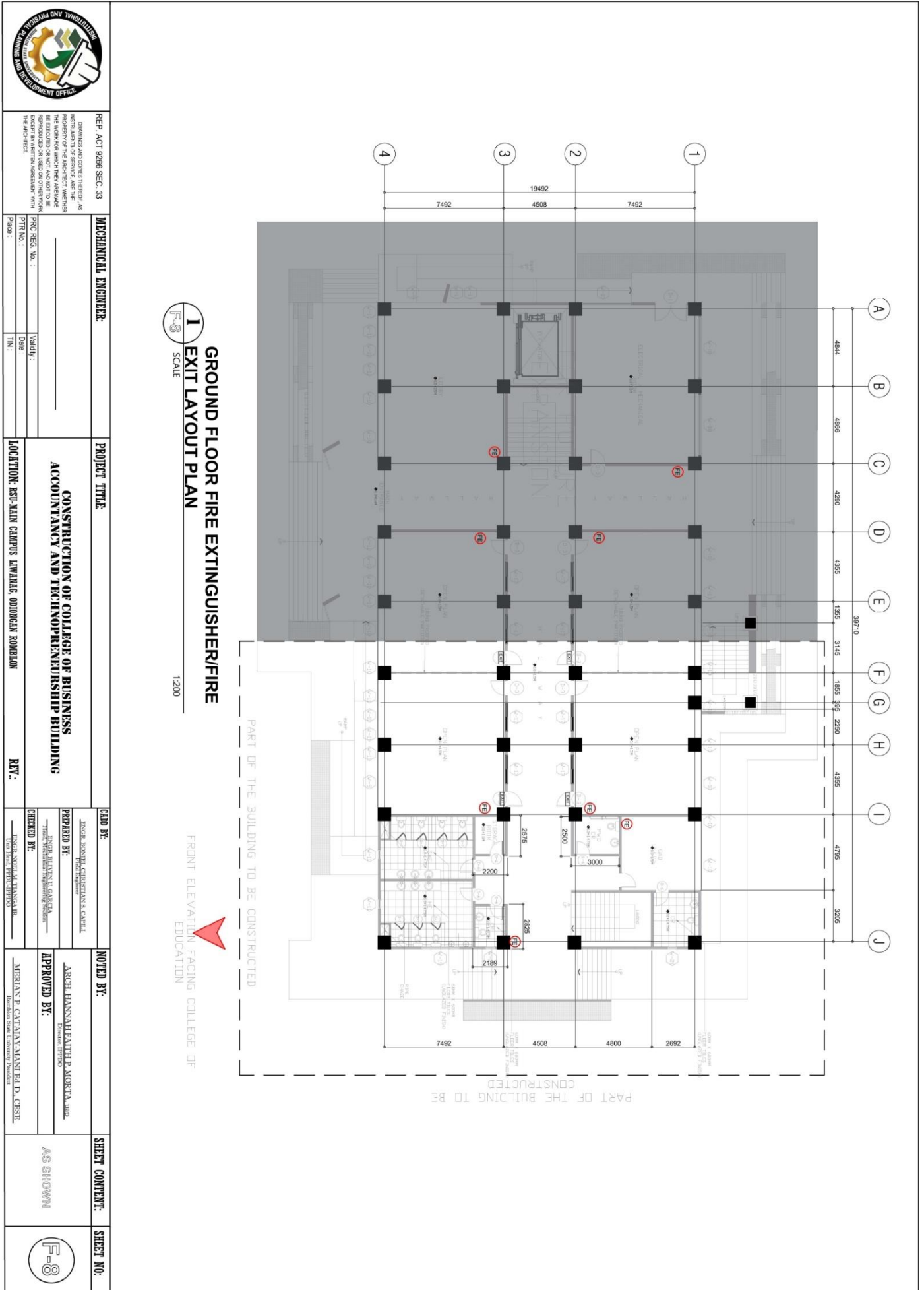


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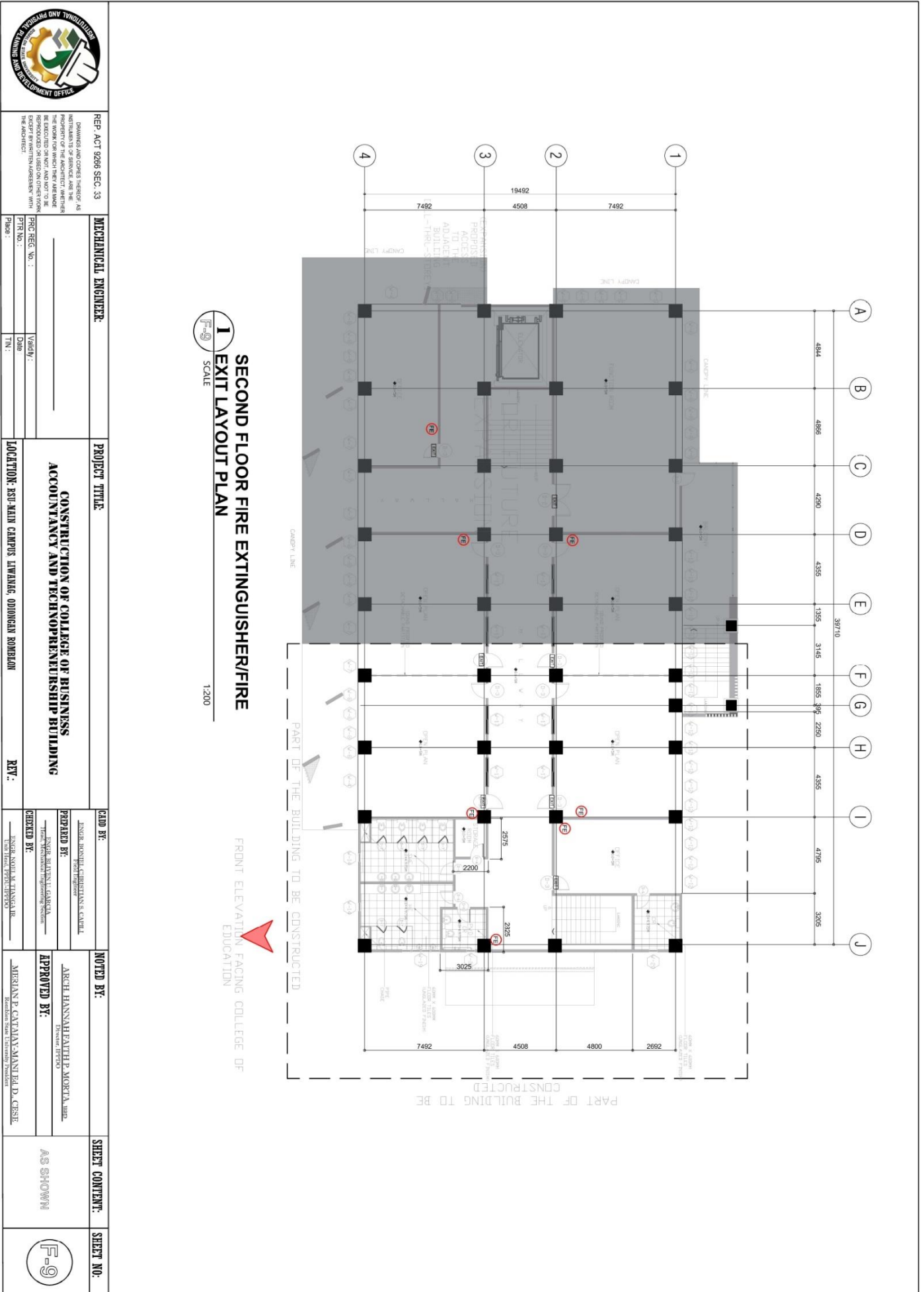
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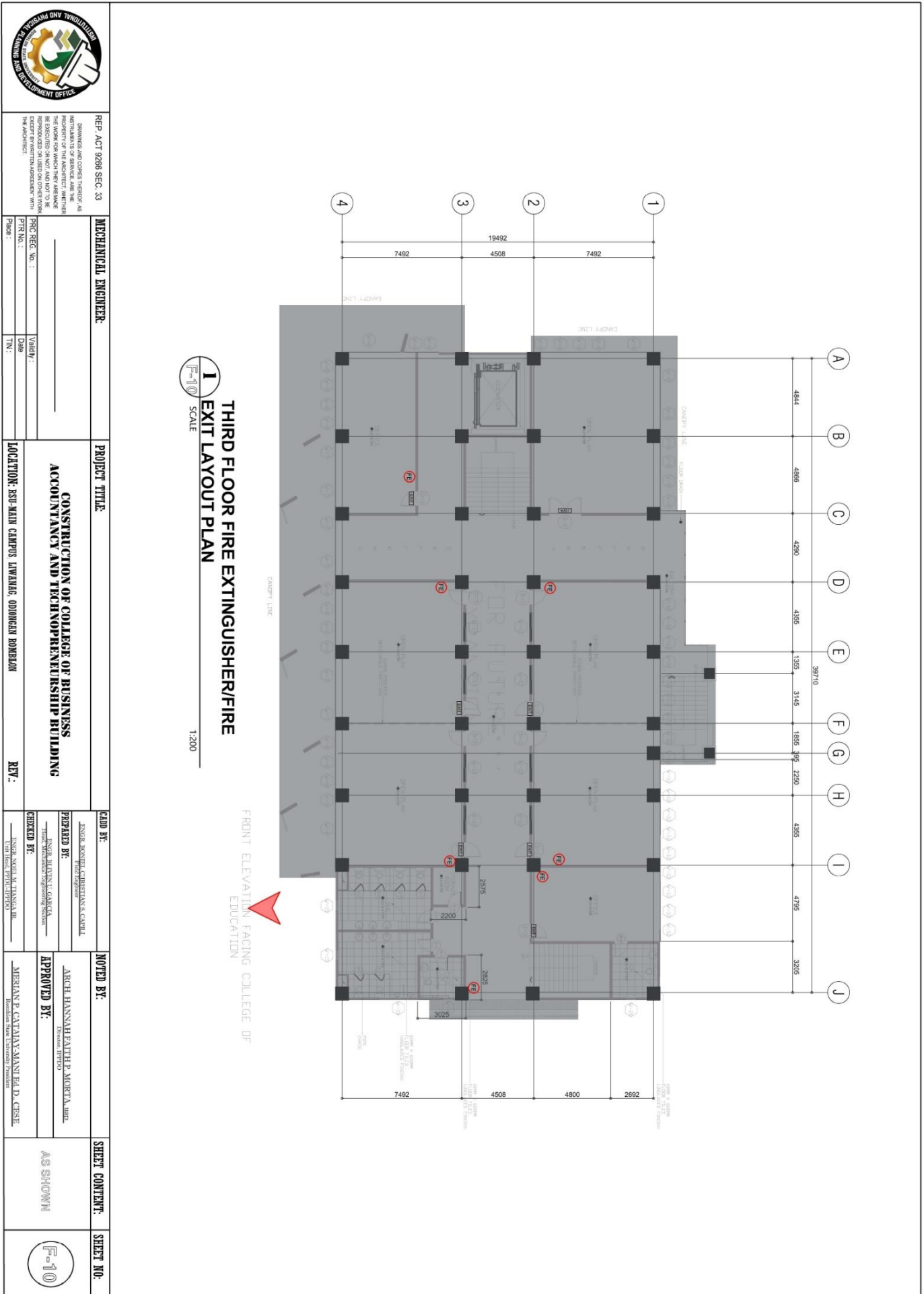
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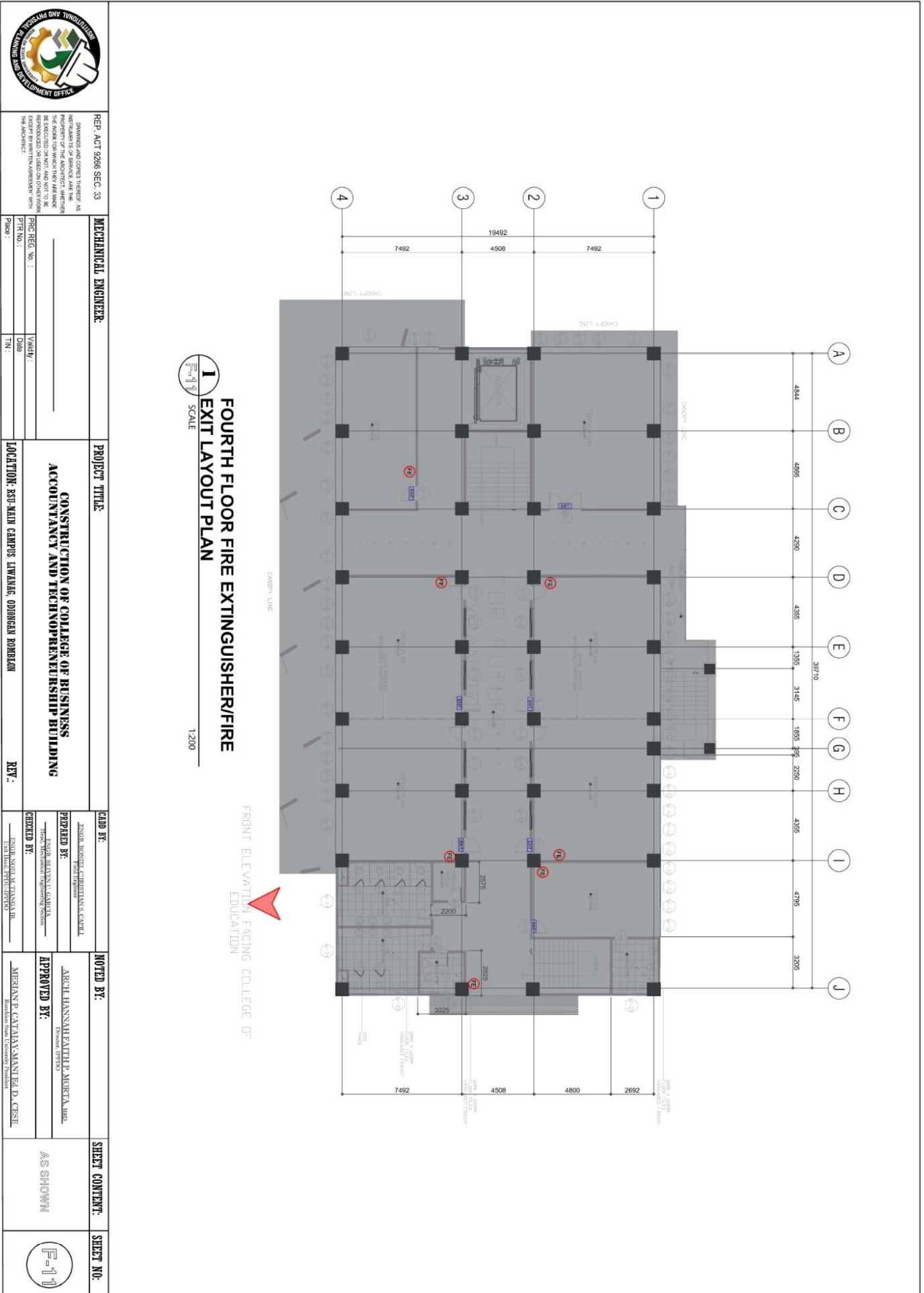
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SCHEDULE OF EQUIPMENT

GROUND FLOOR			
INDOOR UNIT		OUTDOOR UNIT	
EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)	EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)
ACI1	12000	OU1	12000
ACI2	18000	OU2	18000
ACI3	18000		

SECOND FLOOR			
INDOOR UNIT		OUTDOOR UNIT	
EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)	EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)
ACI4	12000	OU3	12000
ACI5	18000	OU4	18000
ACI6	18000		
ACI7	18000		
ACI8	18000		

THIRD FLOOR			
INDOOR UNIT		OUTDOOR UNIT	
EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)	EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)
ACI9	12000	OU6	12000
ACI10	18000	OU7	18000
ACI11	18000		
ACI12	18000		
ACI13	18000		

FOURTH FLOOR			
INDOOR UNIT		OUTDOOR UNIT	
EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)	EQUIP. NO.	COOLING CAPACITY (RTU/Hr.)
ACI14	12000	OU9	12000
ACI15	18000	OU10	18000
ACI16	18000		
ACI17	18000		
ACI18	18000		

- GENERAL NOTES:**
1. PROVIDE ALL EQUIPMENT & MATERIALS REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWING.
 2. CONTRACT CONSTRUCTION DRAWINGS FOR ARE DIAGRAMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
 3. INSTALL ALL EQUIPMENT AND APPARATUS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND APPLICABLE CODES AND REGULATIONS.
 4. COORDINATE CONSTRUCTION OF ALL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
 5. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS CERTIFIED DRAWINGS.
 6. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS AND DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
 7. LOCATION AND SIZES OF ALL FLOOR, WALL AND ROOF OPENING SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.

- LEGEND :**
- AIR-CONDITION UNIT
 - OUTDOOR UNIT

	REP. ACT 8266 SEC. 33 ENGINEERING AND CONSTRUCTION AS REGISTERED PROFESSIONAL ENGINEER AS REPRESENTATIVE OF THE ARCHITECT HEREIN THE WORK FOR WHICH THE FEE IS PAID IS SUBJECT TO THE RULES AND REGULATIONS GOVERNING THE PRACTICE OF ARCHITECTURE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT	MECHANICAL ENGINEER NAME: _____ PRT. NO.: _____ DATE: _____ SIGN: _____	PROJECT TITLE: CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNOLENSHIP BUILDING	LOCATION: RSU-MAIN CAMPUS LIWANAG, ODIONGAN ROMBLON
	PREPARED BY: ARCH. HANNAH LEATHER P. MORTALAB REGISTERED ARCHITECT REGISTERED MECHANICAL ENGINEERING SECTION	CHECKED BY: ARCH. HANNAH LEATHER P. MORTALAB REGISTERED ARCHITECT REGISTERED MECHANICAL ENGINEERING SECTION	NOTED BY: APPROVED BY: MERRAN P. CATAKMANANTE D. CISE Foundation State University President	SHEET CONTENT: AS SHOWN



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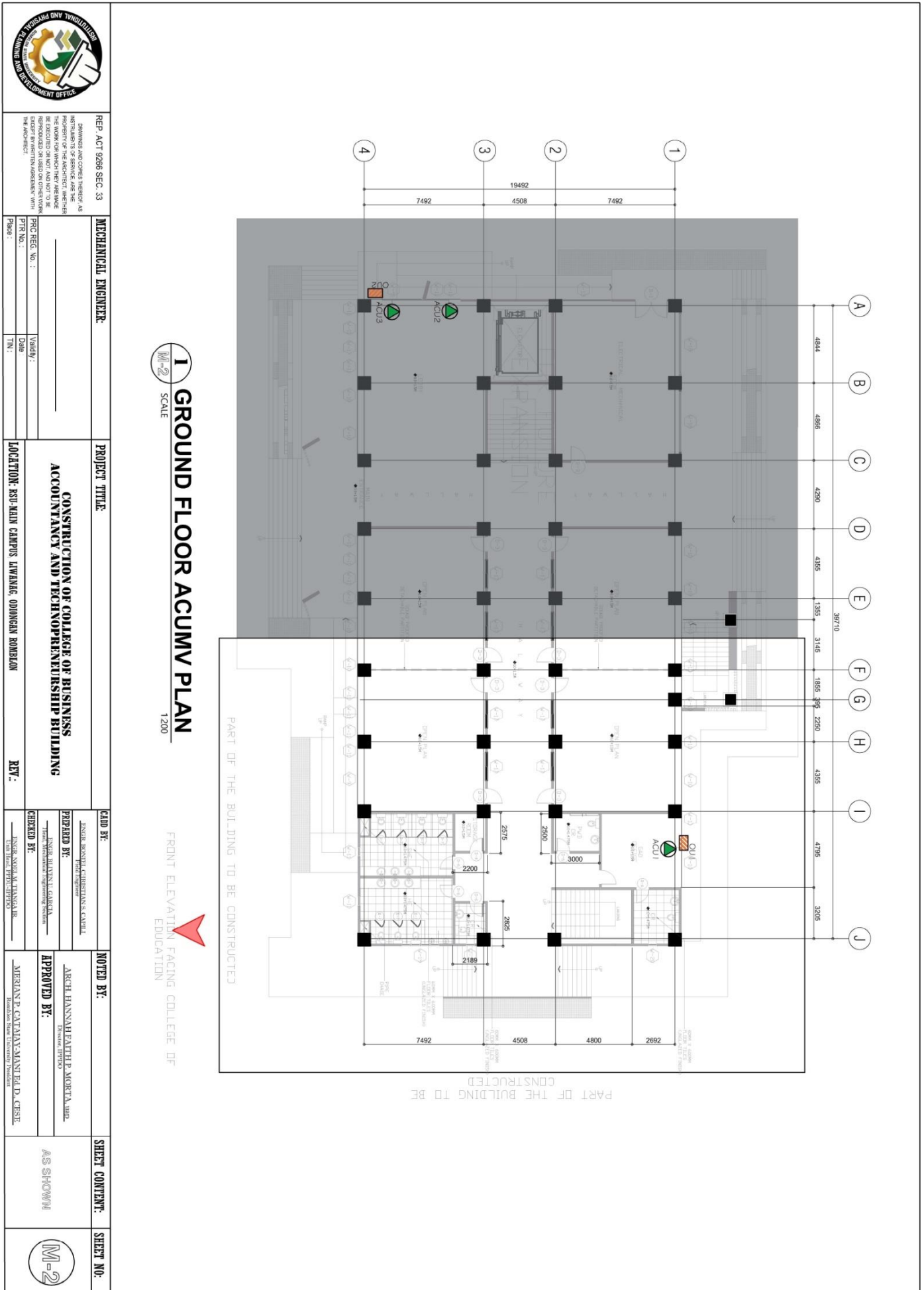
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I SECOND FLOOR ACMV PLAN

SCALE 1:200

FRONT ELEVATION FACING COLLEGE OF EDUCATION



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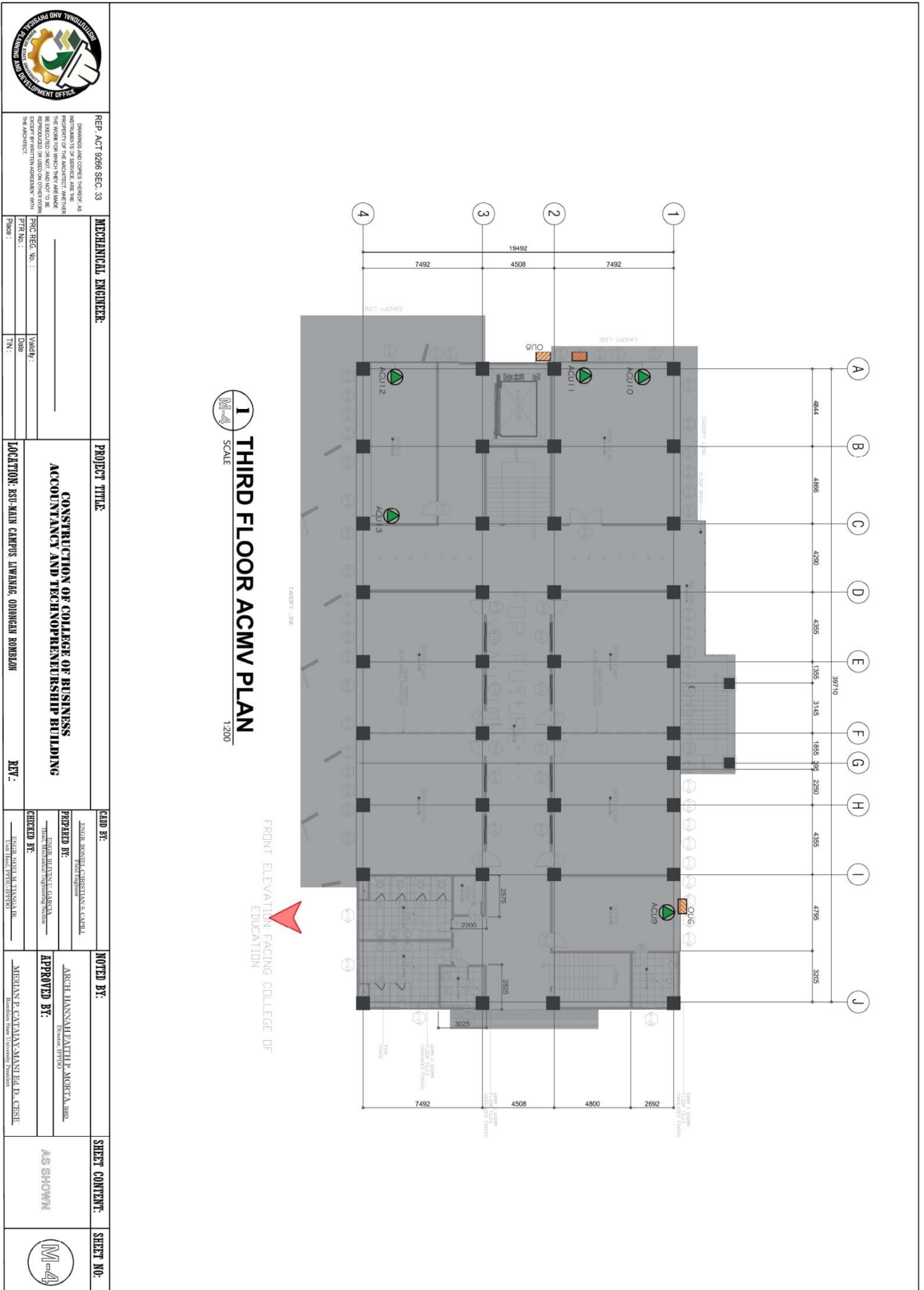
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 PTR NO.:
 Validity: Date: / /
 TIN: / /

PROJECT TITLE:
CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-REINFORCEMENT BUILDING
LOCATION: RSU-MAIN CAMPUS LIWANAG, ODIONGAN ROMBLON
REV.:

CAAD BY: JENGER BENNETT CHRISTIAN S. CABRAL
PREPARED BY: JENGER BENNETT CHRISTIAN S. CABRAL
CHECKED BY: JENGER BENNETT CHRISTIAN S. CABRAL

NOTED BY: ARCH. HANNAH EATH P. MORTA, JR.
APPROVED BY: MERIAN P. CATANAN-MANUEL D. CESE

SHEET CONTENT: AS SHOWN

SHEET NO.: M-5





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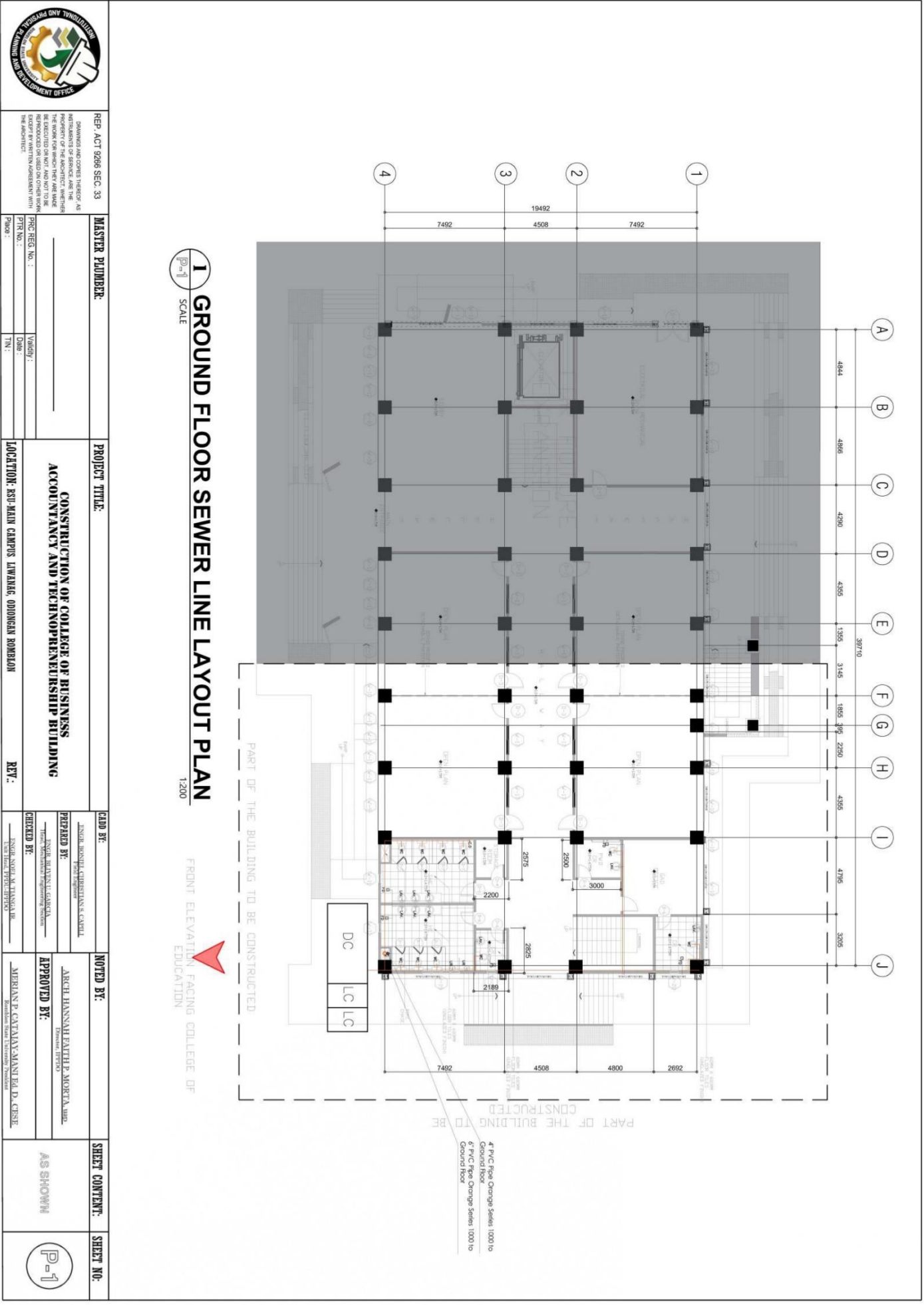
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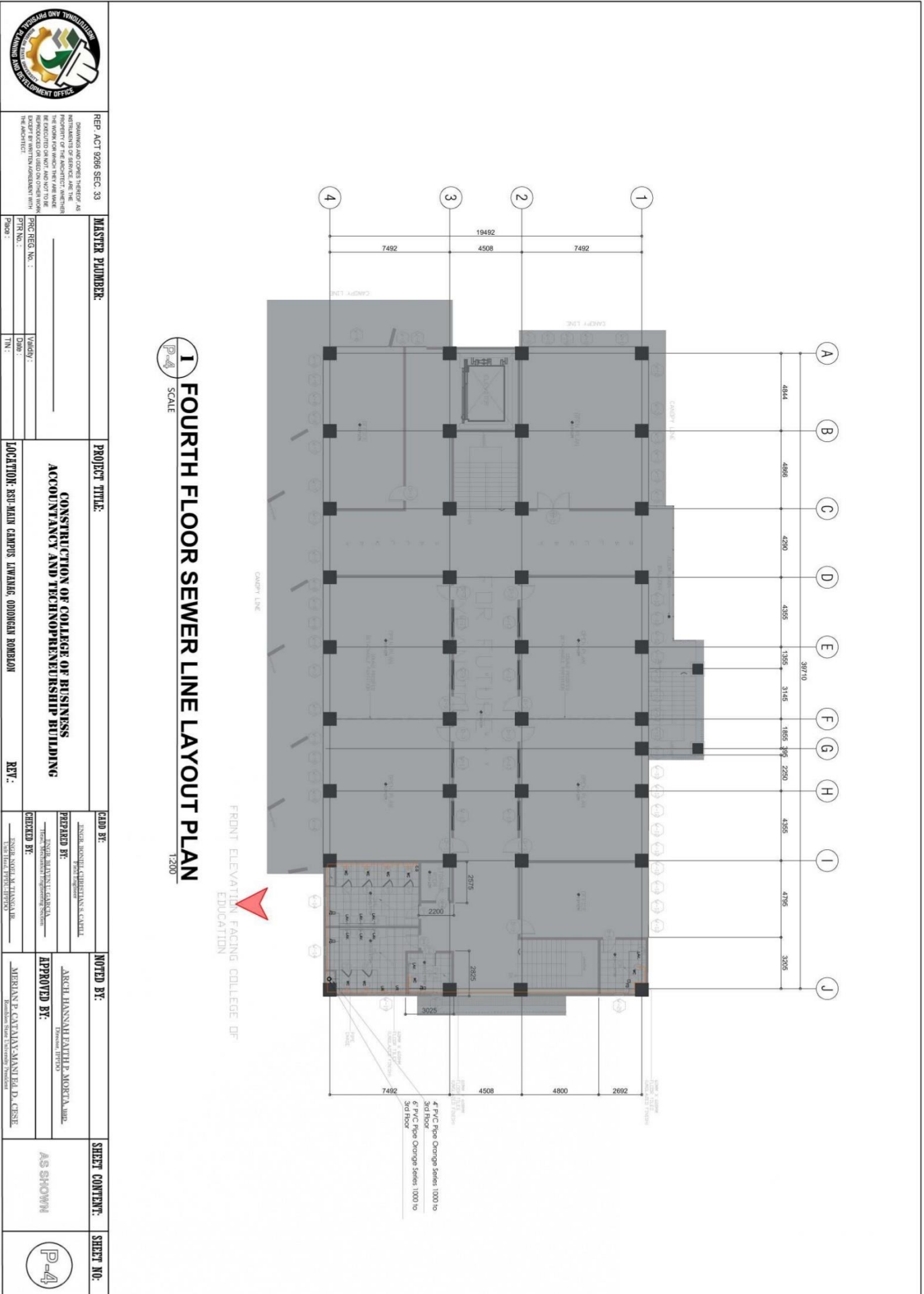
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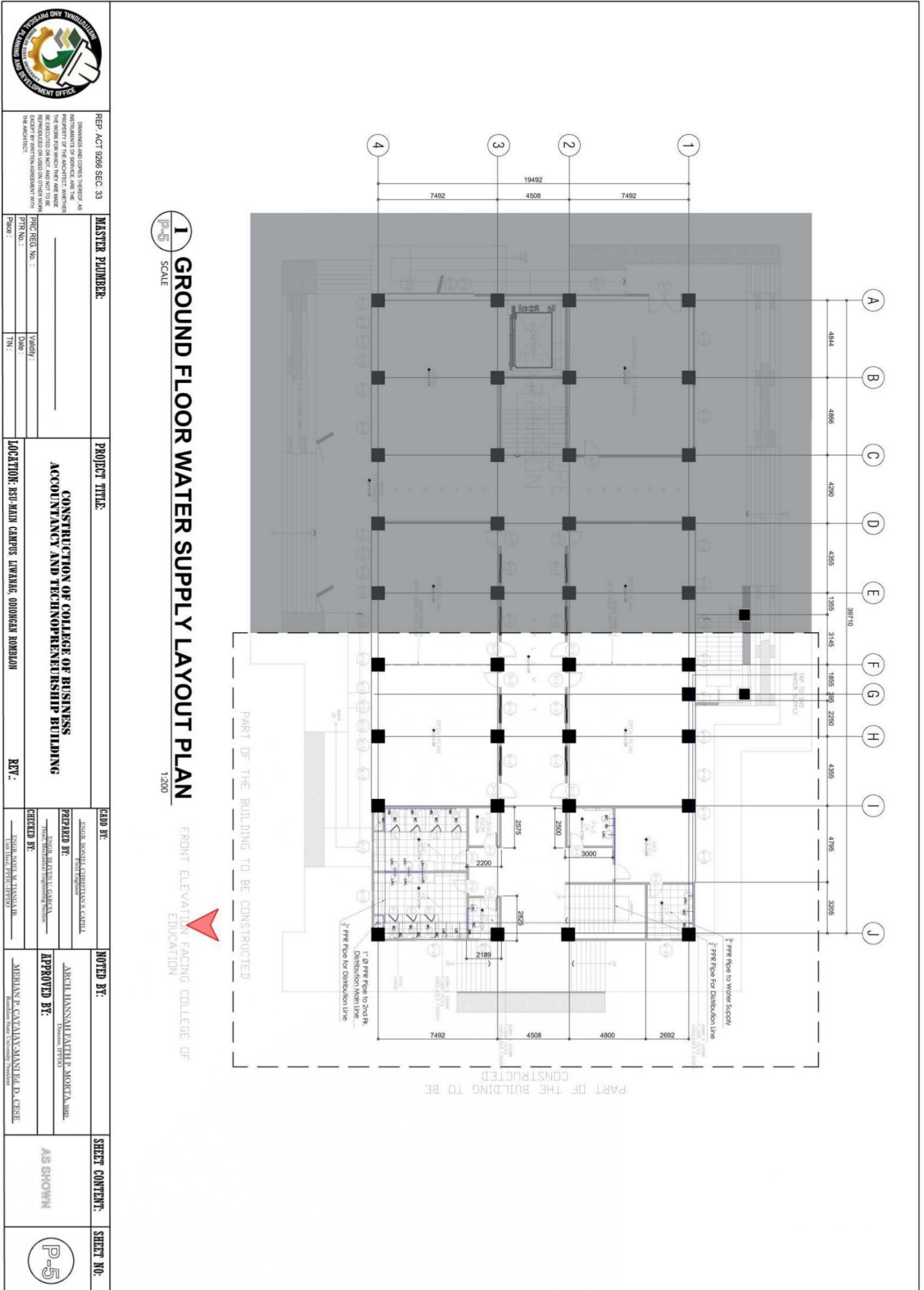
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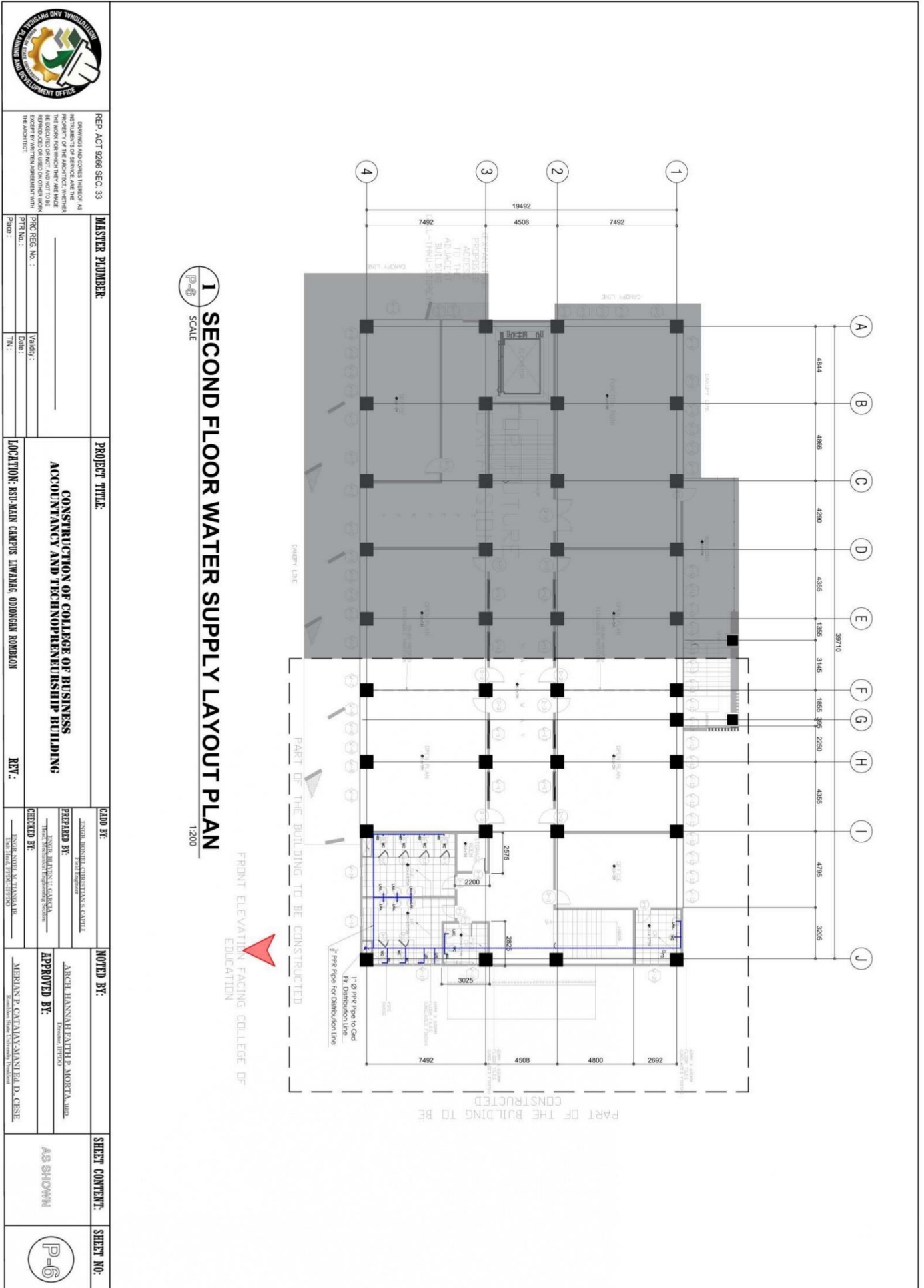
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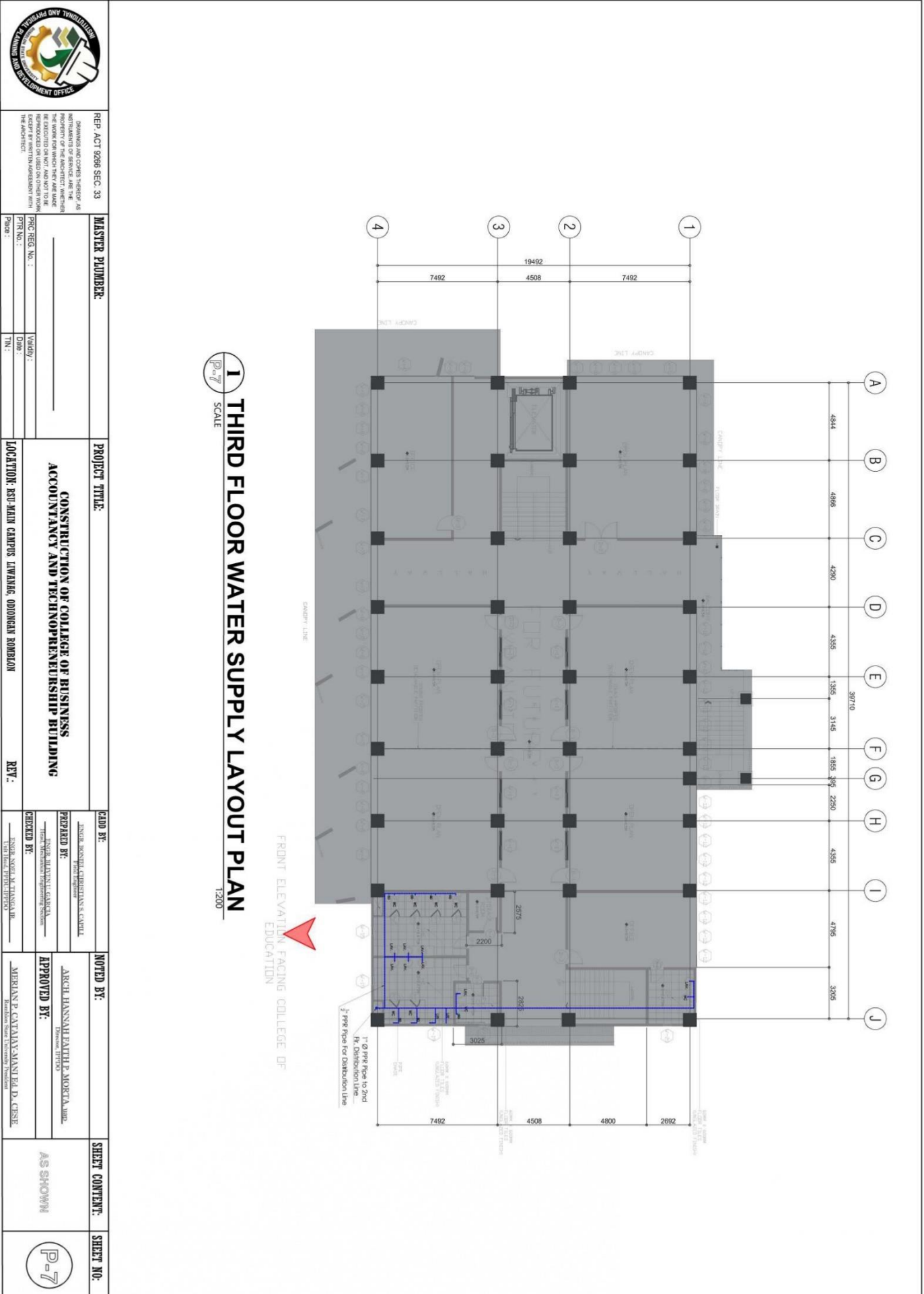



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PREPARED BY: INGRID RONDEL CHRISTIANNA CAYILL ENGINEER		NOTED BY: ARCH. HANNA HEATH P. MORERA, MBA. ARCHITECT		CHECKED BY: INGRID RONDEL CHRISTIANNA CAYILL ENGINEER		APPROVED BY: MERLAN P. CATALAN-MAÑTELA, D. CISE. Dean, College of Education		SHEET CONTENT: AS SHOWN	
DATE: _____		DATE: _____		DATE: _____		DATE: _____		SHEET NO.: P-7	



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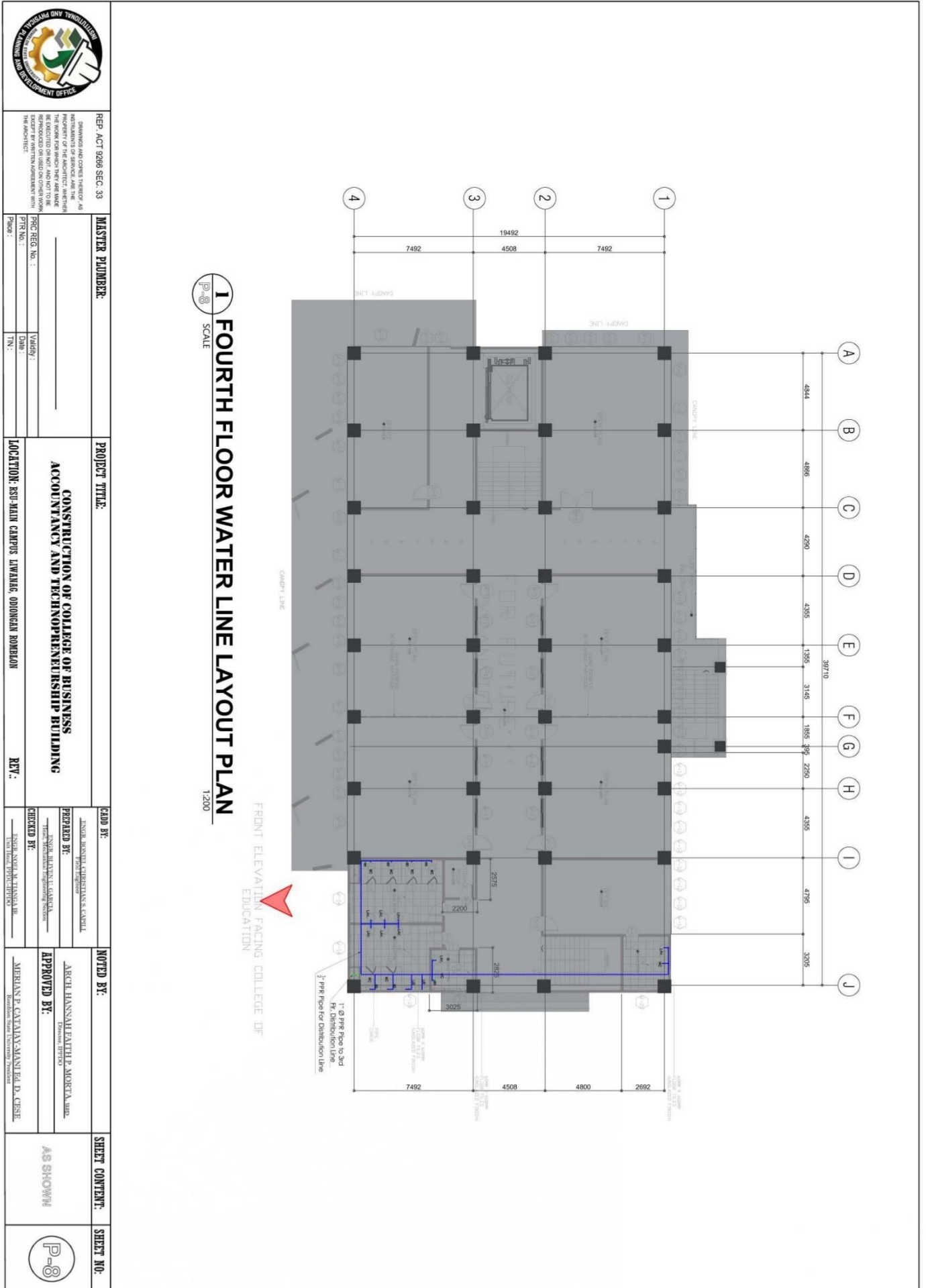
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 ROMBLON STATE UNIVERSITY PHILIPPINES 1916	BIDS AND AWARDS COMMITTEE BAC	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p>REVISIONS AND CORRECTIVE MEASURES AS INDICATED BY THE ARCHITECT SHALL BE MADE TO THE DRAWINGS AND SHALL BE THE RESPONSIBILITY OF THE BIDDER. THE BIDDER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS OF THE PROJECT SITE PRIOR TO THE SUBMITTAL OF THE BID.</p>	NO.	DESCRIPTION	DATE			
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<p>REP. ACT 9298 SEC. 33</p>	<p>MASTER PLUMBER:</p>	<p>PROJECT TITLE:</p> <p style="text-align: center;">CONSTRUCTION OF COLLEGE OF BUSINESS ACCOUNTANCY AND TECHNO-ENTREPRENEURSHIP BUILDING</p> <p>LOCATION: RSU MAIN CAMPUS, LIWANAG, ODIONGAN ROMBLON</p>						
<p>DATE: _____</p> <p>TIME: _____</p>	<p>PREPARED BY: _____</p> <p>CHECKED BY: _____</p>	<p>NOTED BY: _____</p> <p>APPROVED BY: _____</p>						
<p>SHEET CONTENT: AS SHOWN</p>	<p>SHEET NO. P-9</p>	<p>REVISIONS AND CORRECTIVE MEASURES AS INDICATED BY THE ARCHITECT SHALL BE MADE TO THE DRAWINGS AND SHALL BE THE RESPONSIBILITY OF THE BIDDER. THE BIDDER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS OF THE PROJECT SITE PRIOR TO THE SUBMITTAL OF THE BID.</p>						

LEGEND :

	4" PVC TEE CONNECTION		4" PVC WYE CONN
	LAVATORY		FLOOR DRAIN
	WATER CLOSET		SEPTIC VAULT
	4" 60° PVC CONNECTION		CLEAN OUT
	WATER LINE		SH SHOWER HEAD AND WATER FAUCET

SPECIFICATIONS :

- ALL HORIZONTAL PIPINGS SHALL BE RUN IN PRACTICAL ALIGNMENT AND AT UNIFORM INTERVALS NOT TO EXCEED 10FT.
- ALL PIPES PASSING THRU OR UNDER WALLS AND DRIVEWAYS SHALL BE PROPERLY PROTECTED AGAINST BREAKAGE.
- WORKMANSHIP SHALL BE OF SUCH CHARACTER AS TO FULLY SECURE THE RESULTS SOUGHT IN ALL PROVISIONS OF THE NATIONAL PLUMBING CODE INCLUDING THE FINISHING 5 OF ALL FITTINGS, TRAPS, VALVES AND ACCESSORIES REQUIRED FOR PROPER PLUMBING SYSTEM.
- ALL SANITARY WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, NATIONAL BUILDING CODE OF THE PHILIPPINES AND ITS IMPLEMENTING AND REGULATIONS.
- COORDINATE THE DRAWING WITH THE OTHER RELATED DRAWINGS AND SPECIFICATIONS, THE ARCHITECT AND/OR THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN HIGHER DECISION SHALL BE FINAL.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERTED ELEVATION OF EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTORS.
- THE CONTRACTORS SHALL BE RESPONSIBLE FOR ALL REQUIRED FLOOR AND WALL OPENINGS.
- ALL SLOPE FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1/8" MINIMUM UNLESS OTHERWISE NOTED.
- SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

1 PLAN OF SEPTIC VAULT

150 THE REINFORCED CONCRETE WALL with 12mm REBARS Spaced @ 120m OC

WALL HUNG TOILET TYPICAL INSTALLATION

Please be advised that this bid bulletin is issued to amend the Fire Protection Plan, Mechanical Plan, and Plumbing 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