

GENERAL NOTES: FOR REFERENCE ONLY. EXCLUDED IN PHASE 1

GENERAL NOTES

- ALL WORKS PERTAINING TO ELECTRONICS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY REGISTERED PROFESSIONAL ELECTRONICS ENGINEERS AS REQUIRED BY R.A. 9292 THE IRR OF REVISED NATIONAL BUILDING CODE.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF PHILIPPINE ELECTRICAL/ELECTRONICS, EIA AND BICSI CODE.
- REFER TO SPECIFICATION FOR FULL DETAILS OF EQUIPMENT AND SPECIFICATIONS.
- WIRING SHALL BE IN CONCEALED CONDUIT/TRUNKING UNLESS OTHERWISE SPECIFIED.
- THE POSITION OF ALL TELCO OUTLET AS SHOWN IN THE DRAWINGS ARE APPROXIMATE ONLY. THE EXACT POSITIONS SHALL BE DETERMINED ON SITE.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR LABELING OF ALL EQUIPMENT THROUGHOUT THE INSTALLATION.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE TO LIAISE WITH THE LOCAL GOVERNMENT FOR ALL CLEARANCES, CABLE JOINTING, AND TESTING FOR THE INSTALLATION.
- THE OVERALL RESISTANCE FOR THE EARTHING SYSTEM (ELECTRICAL) SHALL COMPLY WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL AND ELECTRONICS CODE.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING OF ALL CABLE/CONDUIT PENETRATION OPENINGS BETWEEN FLOOR SLAB AND WALL ETC. WITH APPROVED FIRE RATING MATERIAL/SEALANT.
- ALL CABLES TO BE LAID IN HD uPVC PIPES SHALL BE ENCASED IN CONCRETE WHEN LAID ACROSS THE DRIVEWAY.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPOTENTIAL GROUNDING. ALL METAL PARTS COMPLETED BY THE OTHER SUB-CONTRACTORS TO THE NEAREST BONDING TO ELECTRICAL PANEL.
- THE SPECIALTY CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR, MATERIALS AND EQUIPMENT FOR SATISFACTORY COMPLETION OF THE ENTIRE TELECOMMUNICATION INSTALLATION AS GENERALLY DESCRIBED IN THE SPECIFICATION AND / OR SHOWN ON DRAWINGS.
- ALL LOCATION OF EQUIPMENT AND CABLE ROUTES SHOWN ON THE DRAWING ARE INDICATIVE ONLY. THE EXACT LOCATIONS MUST BE COORDINATED ON SITE BEFORE INSTALLATION. FULLY COORDINATED SHOP DRAWINGS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE COMMENCEMENT OF WORK.
- THEY SHALL BE PAINTED WITH A COAT OF ANTI-RUST PAINT AND TWO COATS OF SEMI-GLOSS TEAK PAINT OF BEST QUALITY TO THE APPROVAL OF THE CONSULTANT.
- ALL DISTRIBUTION FRAME CONDUITS WHICH ARE EXPOSED SHALL BE PAINTED WITH A COAT OF RUST-RESISTING PRIMER AND TWO COATS OF ELECTRIC ORANGE OR AS SPECIFIED BY THE ARCHITECT.
- EACH CIRCUIT SHALL BE TESTED FOR GROUNDS AND SHORTS BY MEANS OF INSULATION RESISTANCE TESTING INSTRUMENT APPLYING A VOLTAGE OF NOT LESS THAN 500 D.C. ON CIRCUIT UNDER TEST.
- CABLES FOR ESSENTIAL CIRCUITS SUCH AS EMERGENCY LIGHTING CIRCUITS & FIRE FIGHTING EQUIPMENT CIRCUITS ETC. SHALL BE NOT BE DRAWN INTO THE SAME CONDUIT INTENDED FOR NORMAL CIRCUITS AS PER PHILIPPINE ELECTRICAL CODE (PEC).
- ALL ELECTRONICS OUTLETS, AND/OR EQUIPMENT LOCATIONS SHOWN ARE INDICATIVE AND APPROXIMATE ONLY. THE SPECIALTY CONTRACTOR MUST COORDINATE WITH THE ARCHITECT AND OR THE INTERIOR DESIGNER, AS WELL AS EQUIPMENT SUPPLIERS.
- THE SPECIALTY CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEERS FOR PENETRATION THROUGH RC BEAMS AND FLOOR SLABS PRIOR TO CONSTRUCTION.
- ALL CONDUITS LAYOUT AND INSTALLATION METHODS SHALL BE IDENTICAL IN ALL ROOMS AS MUCH AS POSSIBLE.
- TESTING CERTIFICATES SHALL BE PROVIDED BY THE SPECIALTY CONTRACTOR PRIOR TO FINAL TURNOVER.
- ALL MATERIALS/CABLES TO BE USED AND INSTALLATION METHOD SHALL COMPLY WITH THE TECHNICAL SPECIFICATION, STANDARDS, CODE OF PRACTICE AND AUTHORITY REQUIREMENT.
- THE SPECIALTY CONTRACTOR IS REQUIRED TO SUBMIT DETAILS OF FINAL ARRANGEMENT AND DIMENSIONAL LAYOUT OF ALL ITEMS EQUIPMENT IN RESPECTIVE ROOMS TO SUIT SITE CONDITIONS; FOR REVIEW OF THE CONSULTANT BEFORE COMMENCEMENT OF THE INSTALLATION.
- ALL ELECTRONICS SYSTEM PROVIDED IN THIS PLAN SHALL BE CAPABLE TO ACCOMMODATE FUTURE FIT-OUT EXPANSION REQUIREMENTS.
- ALL TELECOMMUNICATION OUTLETS SHALL BE CATEGORY 6 OR OTHERWISE STATED.
- ALL ELECTRICAL/ELECTRONICS EQUIPMENT & ACCESSORIES THAT ARE EXPOSED OR LESS THAN 2.0m AWAY FROM WATER SOURCES SHALL BE OF WEATHERPROOF TYPE.
- COLOR FOR ALL TELECOMMUNICATION FACE PLATES SHALL BE AS PER ARCHITECT'S/INTERIOR DESIGNER'S SELECTION.
- THE SPECIALTY CONTRACTOR SHALL NOTE THE POSITIONS OF TELECOM POINTS, AS SHOWN ON DRAWINGS. THE ACTUAL POSITIONS SHALL BE BASED ON THE ARCHITECT'S OR INTERIOR DESIGNER'S DRAWING. THE SPECIALTY CONTRACTOR IS DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY SITE ADJUSTMENT TO SUIT THE FINAL POSITIONS.
- THE SPECIALTY CONTRACTOR SHALL LIAISE WITH OTHER CONTRACTOR TO ENSURE THAT POWER SUPPLIES FOR ALL EQUIPMENT ARE PROVIDED TO SUIT THE SYSTEM REQUIREMENTS.
- THE SPECIALTY CONTRACTOR SHALL LIAISE WITH INTERIOR DESIGNER/ARCHITECT ON THE EXACT LOCATION & MOUNTING HEIGHTS (IF APPLICABLE) OF OUTLETS, MAIN DISTRIBUTION FRAME (MDF), AND/OR INTERMEDIATE DISTRIBUTION FRAME (IDF) BEFORE LAYING THE CONDUITS.
- WIRELESS ACCESS POINT (WAP) OUTLET SHOULD BE INSTALLED 500mm BELOW CEILING SLAB.

1 GENERAL NOTES
EC-1.0 SCALE: NTS

LEGEND & SYMBOLS

TELECOMMUNICATION SYSTEM/STRUCTURAL CABLING SYSTEM

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTIONS
	BUILDING MAIN DISTRIBUTION FRAME		PUNCH BLOCK PANEL
	TELCO MAIN DISTRIBUTION FRAME (BY TELCO)		PRIVATE AUTOMATIC BRANCH EXCHANGE
	HANDHOLE		UNINTERRUPTIBLE POWER SUPPLY
	INTERMEDIATE DISTRIBUTION FRAME CABINET		SERVICE ENTRY
	DATA OUTLET, WALL MOUNT		CABLE TRUNKING
	DATA OUTLET, FLOOR MOUNT		DUPLIX VOICE & DATA OUTLET, WALL MOUNT
	DATA OUTLET, CEILING MOUNT		DUPLIX VOICE & DATA OUTLET, FLOOR MOUNT
	VOICE/PHONE OUTLET, WALL MOUNT		TELECOM OUTLET, WI-FI / WAP SINGLE CEILING MOUNTED
	VOICE/PHONE OUTLET, FLOOR MOUNT		
	RISER UP		
	RISER DOWN		

ACCESS CONTROL SYSTEM

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTIONS
	SECURITY MANAGEMENT TERMINAL BOX		CARD READER
	INPUT MODULE		ELECTROMAGNETIC LOCK
	DOOR CONTACT WITH SOUNDER		BREAK GLASS
	UNINTERRUPTIBLE POWER SUPPLY		CARD READER MODULE
	PULLBOX		

CLOSED-CIRCUIT TELEVISION (CCTV) SYSTEM

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	CCTV CAMERA, FIXED INTERIOR, WALL MOUNT		
	CCTV CAMERA, FIXED EXTERIOR, WALL MOUNT		NETWORK VIDEO RECORDER
	CCTV CAMERA, FIXED INTERIOR, CEILING MOUNT		CCTV CAMERA, PTZ INTERIOR, CEILING MOUNT
	CCTV CAMERA, FIXED EXTERIOR, CEILING MOUNT		CCTV CAMERA, PTZ EXTERIOR, CEILING MOUNT

COMMUNITY ANTENNA TELEVISION (CATV) SYSTEM

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	LED TV DISPLAY, 43" TO 55". CEILING HANGED		CATV CABINET
	VIDEO EXTENDER, IP-BASED, FOR CUEING NUMBER DISPLAY		NODE PULLBOX

FIRE DETECTION AND ALARM SYSTEM (FDAS)

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	SMOKE DETECTOR (ADDRESSABLE)		HORN SPEAKER
	HEAT DETECTOR (ADDRESSABLE)		STROBE LIGHT
	BEAM DETECTOR (ADDRESSABLE)		HORN WITH STROBE LIGHT
	CARBON MONOXIDE DETECTOR		SPEAKER STROBE (CEILING MOUNT)
	MANUAL-PULL STATION (ADDRESSABLE)		SPEAKER STROBE (WALL MOUNT)
	FIREMAN'S PHONE JACK		ADDRESSABLE MONITOR MODULE FOR CONVENTIONAL DEVICES
	ZONE ANNUNCIATOR		ADDRESSABLE MONITOR MODULE FOR INPUT DEVICES
	GRAPHICAL ANNUNCIATOR		ADDRESSABLE CONTROL MODULE
	FIRE ALARM CONTROL PANEL		FLOW SWITCH
	LCD ANNUNCIATOR		SUPERVISORY SWITCH

3 DRAWING SYMBOLS
EC-1.0 SCALE: NTS

AWG	AMERICAN WIRE GAUGE	EOL	END OF LINE RESISTOR	IDF	INTERMEDIATE DISTRIBUTION FRAME	S	SUSPENDED
C	CEILING MOUNTED	EVAC	EMERGENCY VOICE ALARM COMMUNICATION	NVR	NETWORK VIDEO RECORDER	SMS	SECURITY MANAGEMENT SYSTEM
CAT	CATEGORY	FACP	FIRE ALARM CONTROL PANEL	IMC	INTERMEDIATE METALLIC CONDUIT	TF	THERMOPLASTIC COVERED FIXTURE WIRE
CATV	COMMUNITY ANTENNA TELEVISION	FA	FIRE ALARM	MDF	MAIN DISTRIBUTION FRAME	TV	TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION	FCC	FIRE COMMAND CENTER	PA	PUBLIC ADDRESS	THHN	HEAT RESISTANT THERMOPLASTIC WIRE
EE	ELECTRICAL	FR	FIRE RATED	RD	RISER DOWN	UPS	UNINTERRUPTIBLE POWER SUPPLY
ELV	EXTRA LOW VOLTAGE	HH	HAND HOLE	RU	RISE UP	WP	WEATHER PROOF

2 ABBREVIATIONS
EC-1.0 SCALE: NTS

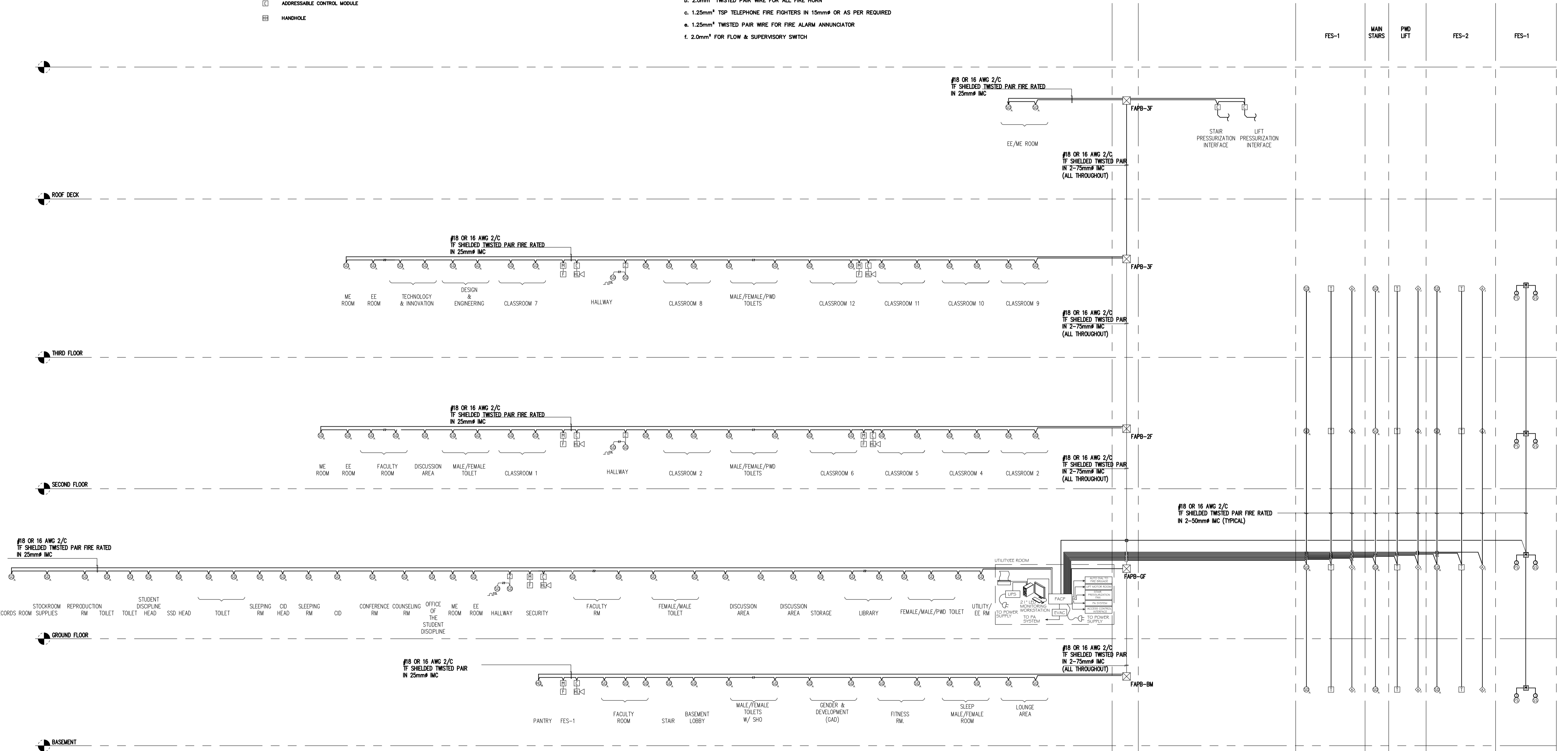
<p>ENRIQUE O. OLANON & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLANON & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p>	DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: PROPOSED ACADEMIC BUILDING II LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF	APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR	SHEET CONTENTS: EC 01 04	SHEET NO.:
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, ORLA HEIGHTS, QUEZON CITY, 1108 TEL NOS: 426 7009; 426 3040-41 FAX NOS: 927 0608; 426 7214							

GENERAL NOTES: FOR REFERENCE ONLY. EXCLUDED IN PHASE 1

FIRE DETECTION AND ALARM SYSTEM

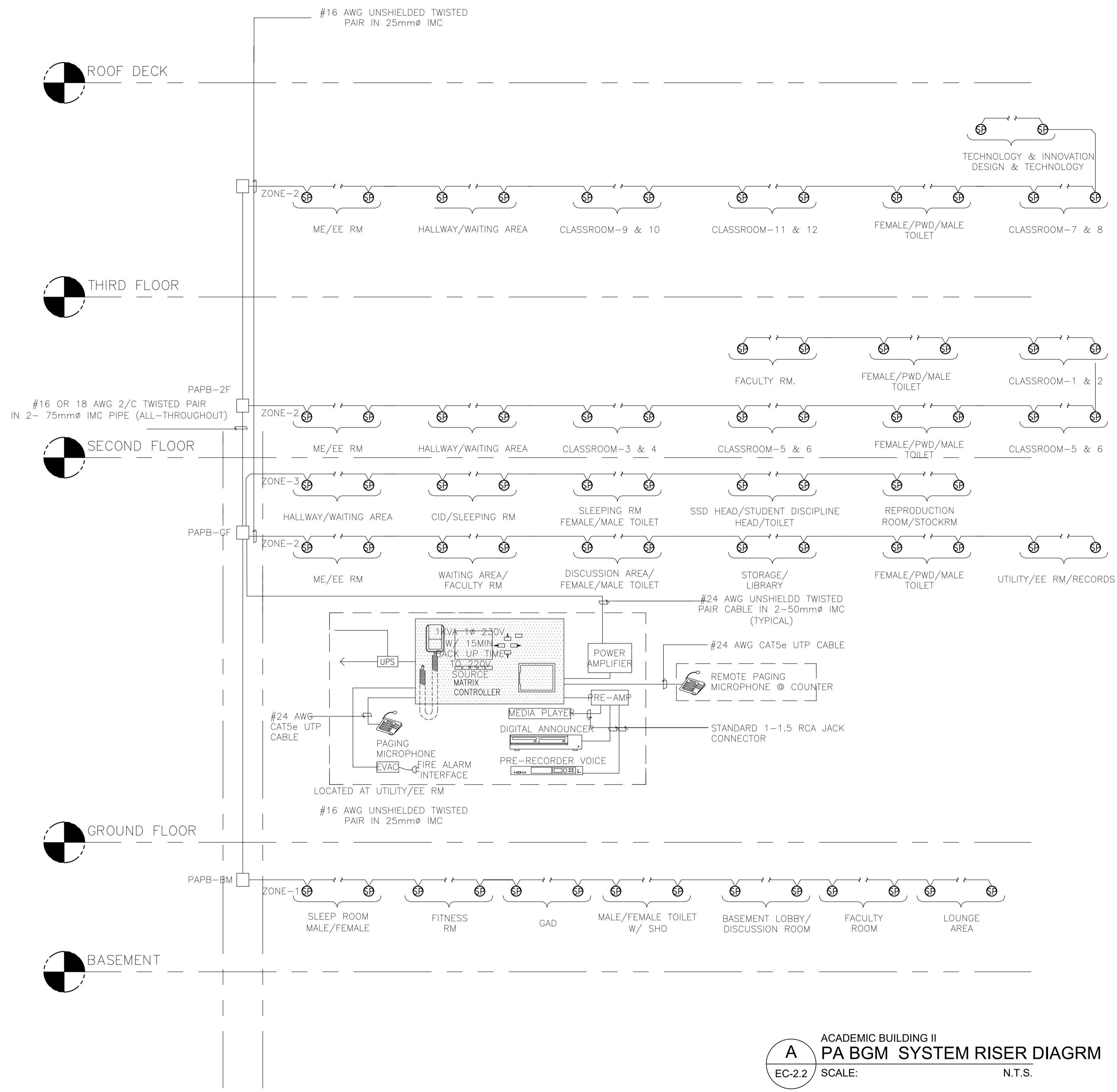
SYMBOLS	DESCRIPTIONS	ABBREVIATIONS
	SMOKE DETECTOR (ADDRESSABLE)	PE PASSENGER ELEVATOR
	HEAT DETECTOR (ADDRESSABLE)	FE FIRE EXIT
	BEAM DETECTOR (ADDRESSABLE)	SE SERVICE ELEVATOR
	MANUAL-PULL STATION (ADDRESSABLE)	AWG AMERICAN WIRE GAUGE
	FIREMAN'S PHONE JACK	IMC INTERMEDIATE METALLIC CONDUIT
	ZONE ANNUNCIATOR	UPS INTERRUPTIBLE POWER SUPPLY
	HORN WITH STROBE LIGHT	TP THERMOPLASTIC COVERED FIBRE WIRE
	ADDRESSABLE MONITOR MODULE FOR INPUT DEVICES	PVC POLYVINYL-CHLORIDE CONDUIT
	FLOW SWITCH	UTP UNSHIELDED TWISTED PAIR
	SUPERVISORY SWITCH	CAT AUTOMATIC FIRE SUPPRESSION SYSTEM
	FIRE ALARM CONTROL PANEL	WP WEATHERPROOF ENCLOSURE
	LCD ANNUNCIATOR	
	FDAS PULLBOX (250x250x150)MM OR AS PER REQUIRED	
	ADDRESSABLE MONITOR MODULE FOR CONVENTIONAL DETECTORS	
	ADDRESSABLE CONTROL MODULE	
	HANDHOLE	

- NOTES:
- THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE THE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED FIRE DETECTION AND ALARM SYSTEM.
 - EQUIPMENT AND DEVICES REFLECTED ON THE PLANS ARE INDICATIVE ONLY. CONTRACTOR TO FURNISH AND INSTALL THE COMPLETE SYSTEM TO AND SOFTWARE PROGRAMMING AS MAY BE DEEMED NECESSARY FOR THE SUCCESSFUL OPERATION OF THE SYSTEM.
 - QUANTITY OF FACP SHALL BE AS PER MANUFACTURER CAPACITY.
 - REFER TO FLOOR PLAN LAYOUT FOR THE LOCATION OF ANNUNCIATOR.
 - THE CAPACITY OF THE FACP SHALL BE AS PER MANUFACTURER AND HAVE AT LEAST 1 SPARE SIGNALING LINE CIRCUIT (SLC) LOOP.
 - ALL FLOW SWITCHES AND SUPERVISORY SHALL BE CONNECTED TO THE FIRE DETECTION AND ALARM SYSTEM.
 - PROVIDE REPEATERS IF NECESSARY.
 - WIRING SYSTEM SHALL BE AS FOLLOWS:
 - 1.25mm² TWISTED PAIR WIRE IN 15mm^Ø OR AS PER REQUIRED FOR ALL DETECTORS & MANUAL STATION
 - 2.0mm² TWISTED PAIR WIRE FOR ALL FIRE HORN
 - 1.25mm² TSP TELEPHONE FIRE FIGHTERS IN 15mm^Ø OR AS PER REQUIRED
 - 1.25mm² TWISTED PAIR WIRE FOR FIRE ALARM ANNUNCIATOR
 - 2.0mm² FOR FLOW & SUPERVISORY SWITCH



A ACADMIC BUILDING II
 EC-2.1 FDAS SYSTEM RISER DIAGRM
 SCALE: N.T.S.

<p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p>	DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: PROPOSED ACADMIC BUILDING II LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF	APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR	SHEET CONTENTS: FIRE DETECTION AND ALARM SYSTEM RISER DIAGRAM	SHEET NO:
	ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS							



NOTES

1. THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED PUBLIC ADDRESS SYSTEM.
2. THE QUANTITY AND LOCATION OF DEVICES ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR FINAL QUANTITY AND LOCATION.
3. OVERRIDE CIRCUITS SHALL BE COORDINATED W/ GUESTROOM AND RESIDENTIAL UNIT AUDIO-VISUAL CONTRACTOR.
4. EACH FIRE EXIT STAIRWELL HAVE INDIVIDUAL ZONE.

LEGEND

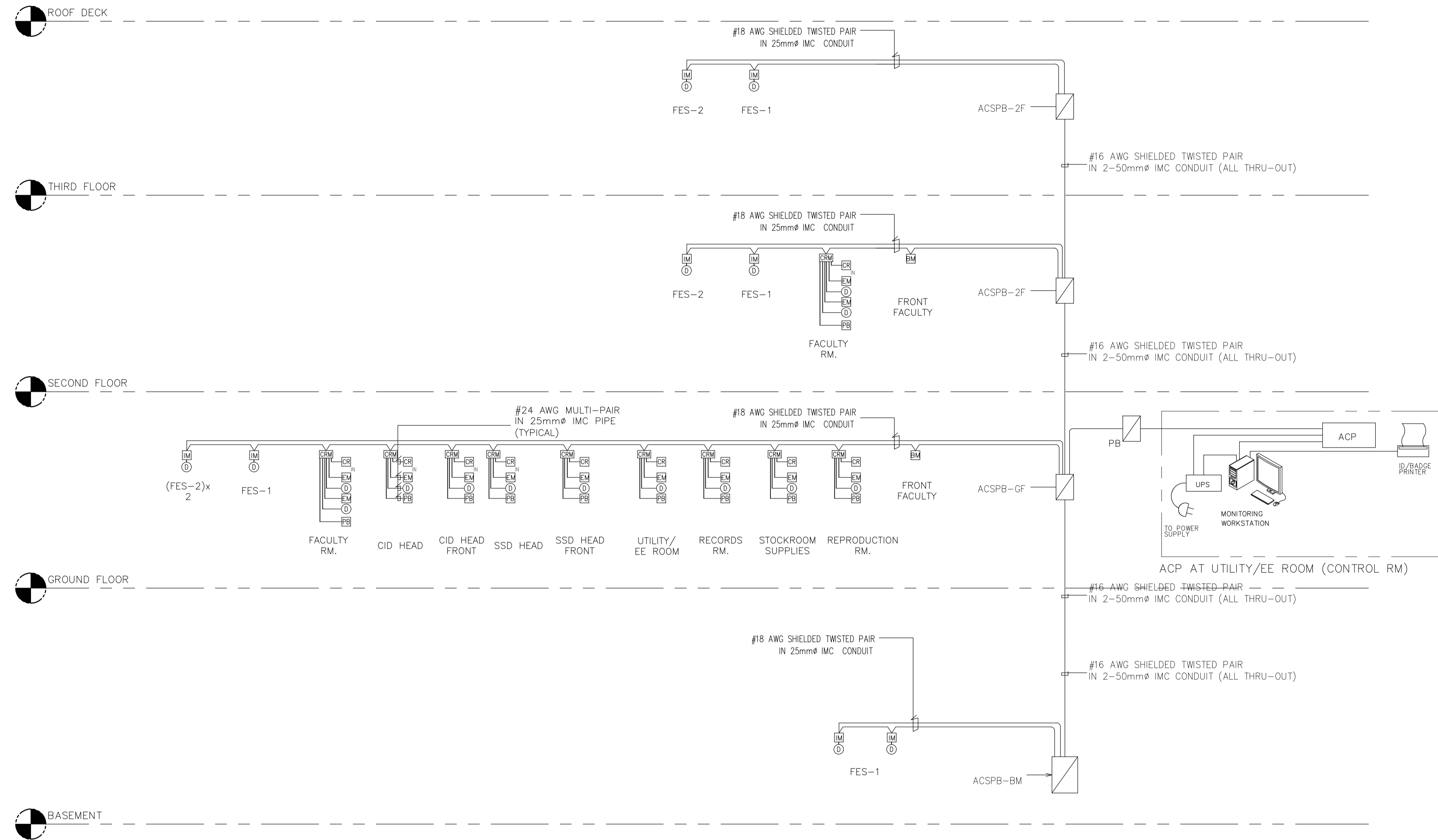
- 6W CEILING MOUNTED SPEAKER
- 10W WALL MOUNTED SPEAKER
- 250mm(W)x250mm(H)x150mm(D) PULLBOX
- UNINTERRUPTIBLE POWER SUPPLY

ABBREVIATIONS

- FCC FIRE COMMAND CENTER
- AWG AMERICAN WIRE GAUGE
- TF THERMOPLASTIC COVERED FIXTURE WIRE

A ACADEMIC BUILDING II
PA BGM SYSTEM RISER DIAGRM
 EC-2.2 SCALE: N.T.S.

ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS	DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: PROPOSED ACADEMIC BUILDING II LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF	APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR	SHEET CONTENTS: PA BGM SYSTEM RISER DIAGRAM	SHEET NO:
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LOROLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3000-01 FAX NOS: 427 0608; 426 7214							



- NOTES**
1. THE PURPOSE OF THIS TO PROVIDE A GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED ACCESS CONTROL SYSTEM
 2. THE QUANTITY AND LOCATION OF EQUIPMENT ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR FINAL QUANTITY AND LOCATION.
 3. PROVIDE 15 MINS. CAPACITY BATTERY PACK PER PANEL. CONTRACTOR SHALL FURNISH AND INSTALL THE COMPLETE SYSTEM TO INCLUDE ALL WIRES/CABLES, ACCESSORIES, REPLAYS AND SOFTWARE PROGRAMMING AS MAY BE DEEMED NECESSARY FOR THE SUCCESSFUL OPERATION OF THE SYSTEM.
 4. USE PVC FOR EMBEDDED CONDUITS; IMC FOR EXPOSED
 5. KEY MANAGEMENT SYSTEM SHALL UTILIZE ACCESS CONTROL WORKSTATION. ACCESS CONTROL SOFTWARE SHALL BE ABLE SUPPORT/ACCOMMODATE KEY CARD ACCESS SYSTEM.

- LEGEND:**
- IM INPUT MODULE
 - DA DURESS ALARM
 - PB 250mm(H)x250mm(W)x150mm(D) PULLBOX
 - DAGP DURESS ALARM GATHERING PANEL
 - SMTB SECURITY MANAGEMENT TERMINAL BOX
 - DC DOOR CONTACT
 - CR CARD READER
 - EM ELECTROMAGNETIC LOCK
 - CRM CARD READER MODULE
 - IMC INTERMEDIATE METALLIC CONDUIT
 - KC KEY MANAGEMENT
 - BM BIOMETRIC READER
 - ACP ACCESS CONTROL PANEL

A ACADEMIC BUILDING II
ACCESS CONTROL SYSTEM RISER DIAGRM
 EC-2.3 SCALE: N.T.S.

ENRIQUE O. OLANAN & ASSOCIATES
 ARCHITECTS ENGINEERS CONSULTANTS
 IN JOINT VENTURE WITH
ENRIQUE O. OLANAN & ASSOCIATES, CO.
 ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER	
PRC No. 0000494	Validity: 12/13/2022
PTR No. 0703592	Date: 01/04/2021
Place: QUEZON CITY	TIN: 106-351-490

REPUBLIC ACT 9266
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

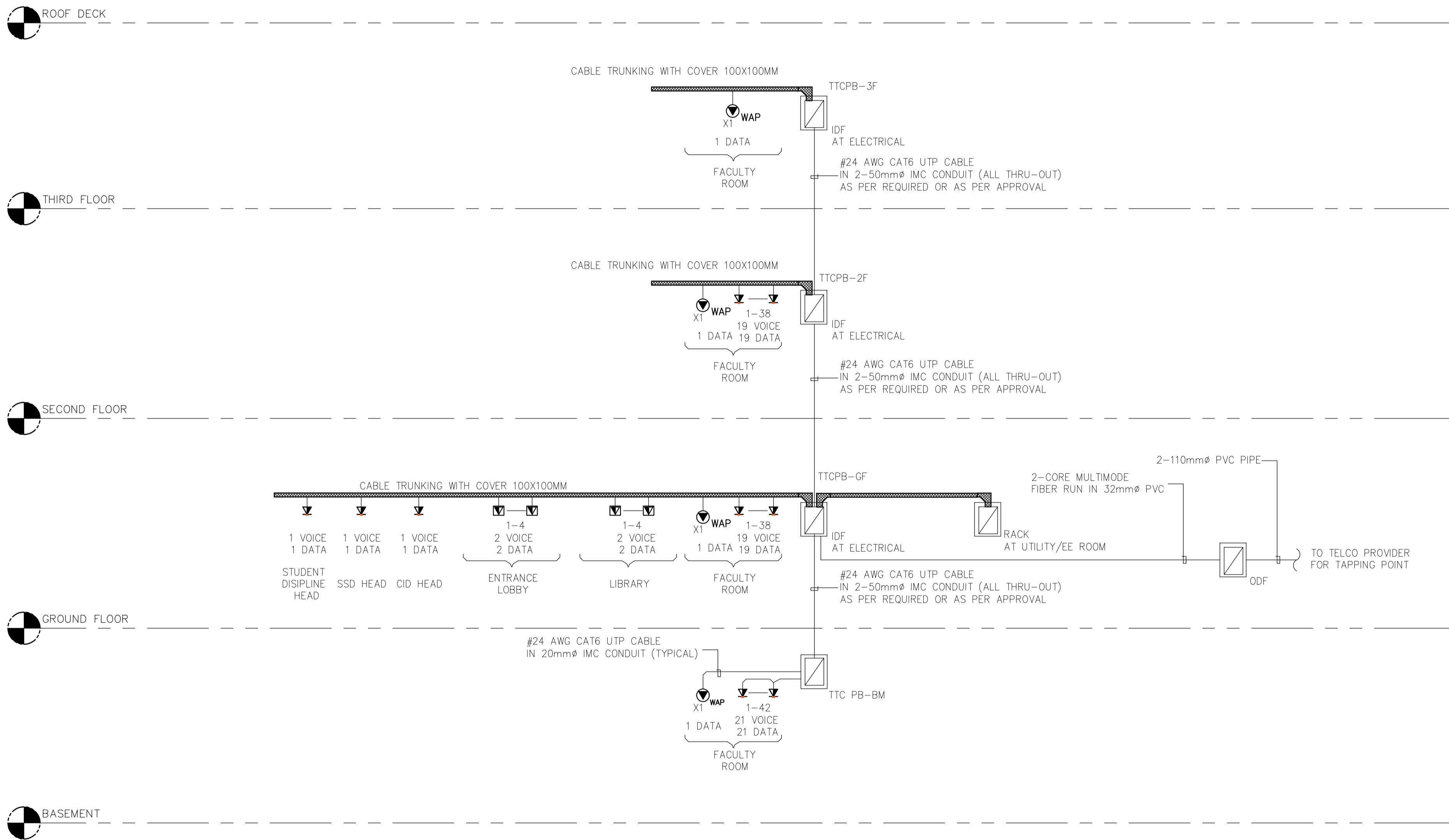
 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 ACCESS CONTROL SYSTEM
 RISER DIAGRAM

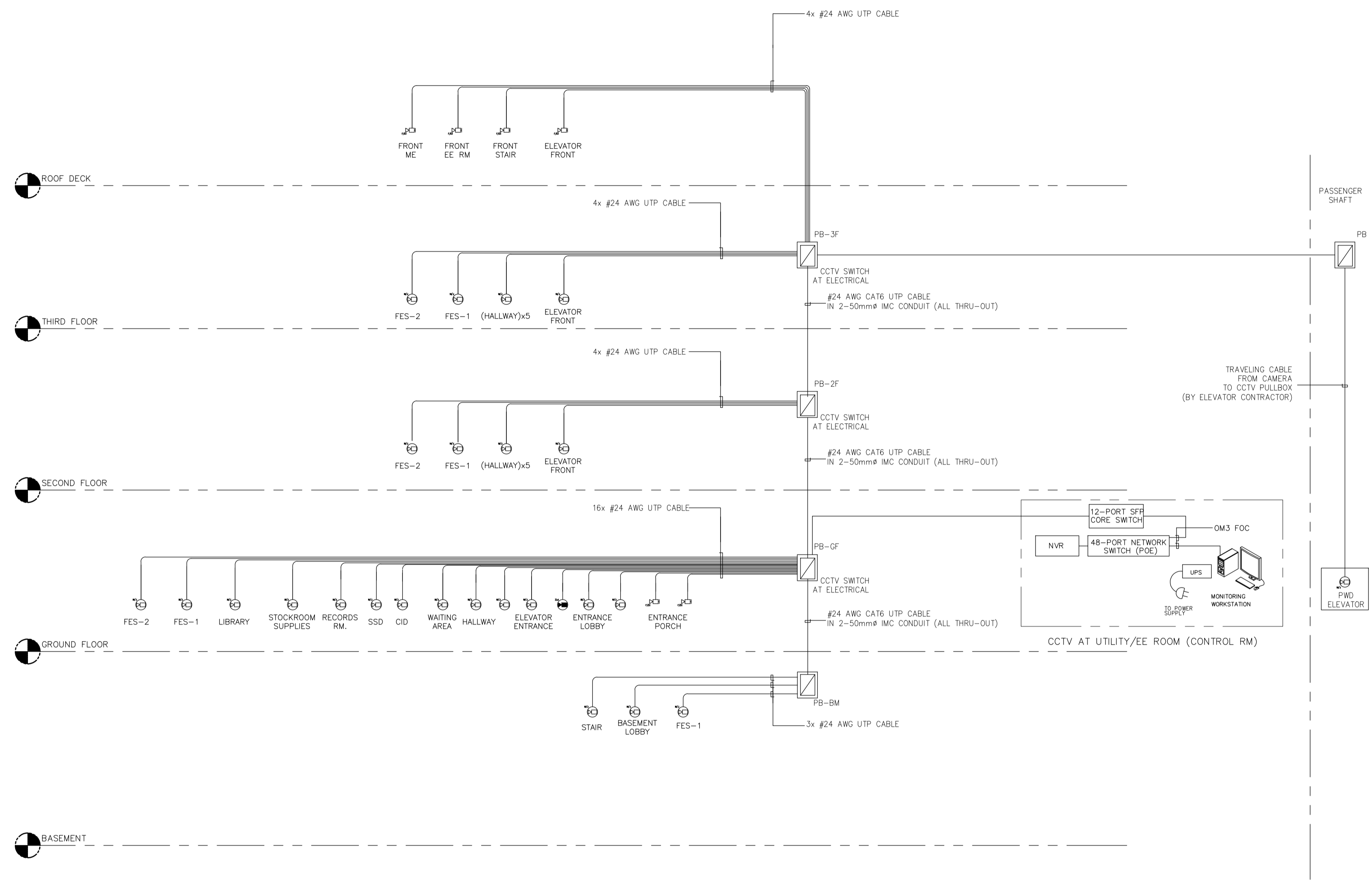
SHEET NO:



LEGENDS	DESCRIPTION
	TELECOM OUTLET, VOICE/DATA, DUPLEX, WALL/FURNITURE MOUNTED
	TELECOM OUTLET, VOICE/DATA, DUPLEX, FLOOR MOUNTED
	TELECOM OUTLET, DATA, SINGLE, CEILING MOUNTED
	CABLE TRUNK WITH COVER SIZE AS PER INDICATED
	INTERMEDIATE DISTRIBUTION FRAME
	OPTICAL DISTRIBUTION FRAME

A
**ACADEMIC BUILDING II
STRUCTURAL CABLING SYSTEM RISER DIAGRAM**
 EC-2.4 SCALE: N.T.S.

ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS <small>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3000-04 FAX NOS: 927 0608; 426 7214</small>	DESIGNER:	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT:	REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO:
	EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490		PROPOSED ACADEMIC BUILDING II LOCATION: Brgy. Rizal, Odiangan, Romblon		MERIAM F. FALLAR FAD CHIEF	EDWARD C. ALBARACIN CAMPUS DIRECTOR	STRUCTURAL CABLING SYSTEM RISER DIAGRAM	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border-right: 1px solid black; padding: 5px; text-align: center;">EC</div> <div style="padding: 5px; text-align: center;">2.4 04</div> </div>



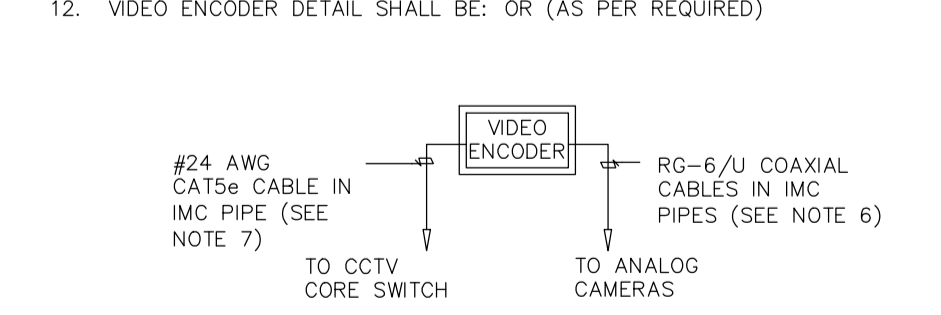
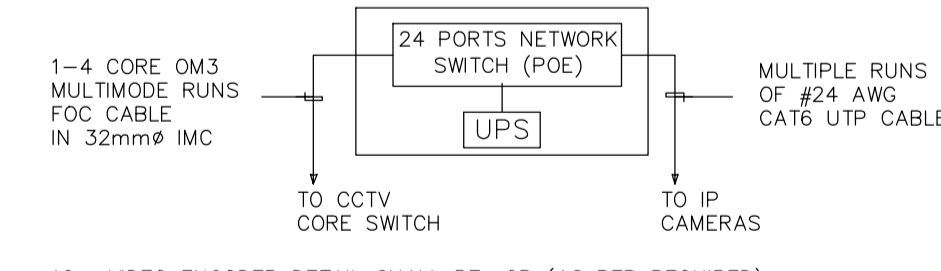
LEGENDS	DESCRIPTION
[NVR]	NETWORK VIDEO RECORDER
[UPS]	1kVA 230V, 1ϕ UPS, 15MINS BACK-UP TIME
[CCTV]	CCTV CAMERA, FIXED INTERIOR WALL MOUNTED
[CCTV]	CCTV CAMERA, FIXED EXTERIOR WALL MOUNTED
[CCTV]	CCTV CAMERA, FIXED INTERIOR CEILING MOUNTED
[CCTV]	CCTV CAMERA, FIXED EXTERIOR CEILING MOUNTED
[CCTV]	CCTV CAMERA, PTZ INTERIOR CEILING MOUNTED
[CCTV]	CCTV CAMERA, PTZ EXTERIOR CEILING MOUNTED
[JUNCTION BOX]	JUNCTION BOX, CEILING MOUNTED
[JUNCTION BOX]	JUNCTION BOX, WALL MOUNTED
[CCTV IDF]	CCTV IDF CABINET [400(H)x600(W)x600(D)]MM
[PULLBOX]	PULLBOX (250x250x150)MM

- ABBREVIATIONS
- PE PASSENGER ELEVATOR
 - FE FIRE EXIT
 - CCTV CLOSED CIRCUIT TELEVISION
 - AWG AMERICAN WIRE GAUGE
 - IMC INTERMEDIATE METALLIC CONDUIT
 - UPS INTERRUPTIBLE POWER SUPPLY
 - NVR NETWORK VIDEO RECORDER
 - FOC FIBER OPTIC CABLE
 - UTP UNSHIELDED TWISTED PAIR
 - CAT CATEGORY
 - POE POWER OVER INTERNET
 - IP INTERNET PROTOCOL (IP-BASED)
 - WP WEATHERPROOF ENCLOSURE
 - SFP SMALL FORM-FACTOR PLUGGABLE

- ADDITIONAL ENGINEERING NOTES:
- THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE THE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED CCTV SURVEILLANCE SYSTEM.
 - EQUIPMENT AND DEVICES REFLECTED ON THE PLANS ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR EXACT LOCATION AND QUANTITY.
 - CONTRACTOR TO PROVIDE COMPLETE CCTV SURVEILLANCE SYSTEM TO INCLUDE ALL WIRING AND ACCESSORIES, DEVICES, EQUIPMENT AND SOFTWARE WHICH INCLUDE LICENSE PLATE RECOGNITION AND VIDEO ANALYTICS AS MAY DEEM NECESSARY FOR A SUCCESSFUL OPERATION OF THE SYSTEM.
 - CCTV SWITCH MONITORING & VIDEO MANAGEMENT SERVER NETWORK VIDEO RECORDER SHALL BE MOUNTED ON CCTV RACK LOCATED AT SECURITY ROOM.
 - NUMBER OF ANALOG CAMERAS TO BE CONNECTED ON VIDEO ENCODER SHALL BE AS PER MANUFACTURER'S RECOMMENDATION. CCTV CONTRACTOR TO MAINTAIN AND VERIFY LESS THAN 90M LENGTH OF CAT5e UTP CABLE BASED ON ACTUAL SITE CONDITION.
 - VIDEO ENCODERS SHALL BE HOUSED INSIDE NEW NEMA IP65 APPROVED ENCLOSURE AT ELV. ROOMS. SEE LAYOUT ROOMS FOR LOCATION.
 - QUANTITY OF CAT6/CAT5e INSIDE A INTERMEDIATE METALLIC CONDUIT SHALL BE: OR AS PER REQUIRED

CONDUIT SIZE	20mm∅	25mm∅	32mm∅
#24 AWG CAT6	2	4	6
#24 AWG CAT5e	4	6	8

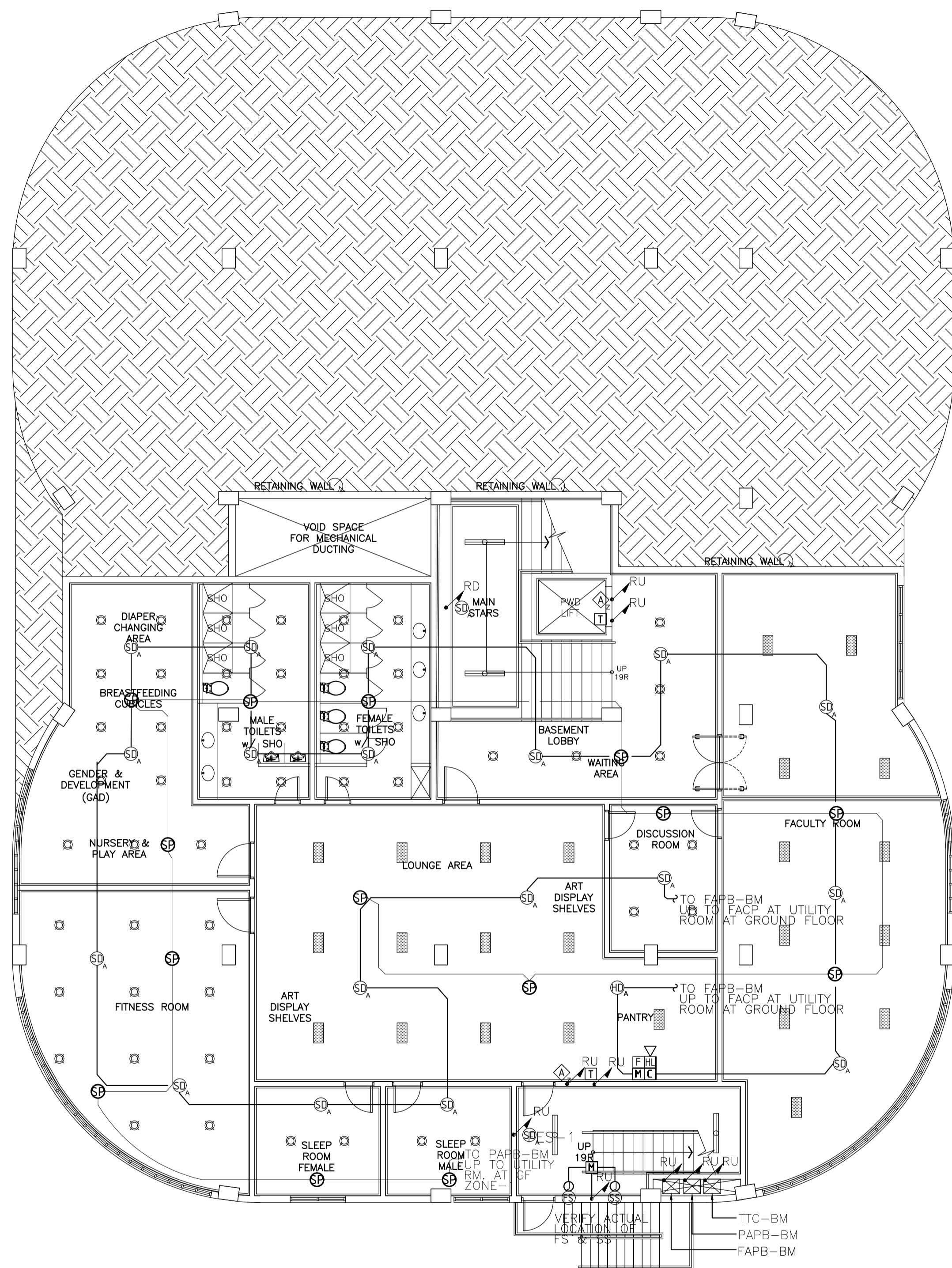
- CCTV SWITCH SHALL BE POE CAPABLE AND SHALL BE CONNECTED TO A UPS.
- UPS RATING SHALL BE CONFIRMED UPON ACTUAL REQUIREMENTS OF APPROVED BRAND/EQUIPMENT/ DEVICES TO BE USED.
- CCTV CAMERA EXPOSED IN WEATHER CONDITION MUST BE IN A WEATHERPROOF ENCLOSURE,
- CCTV IDF SHALL BE: OR (AS PER REQUIRED)



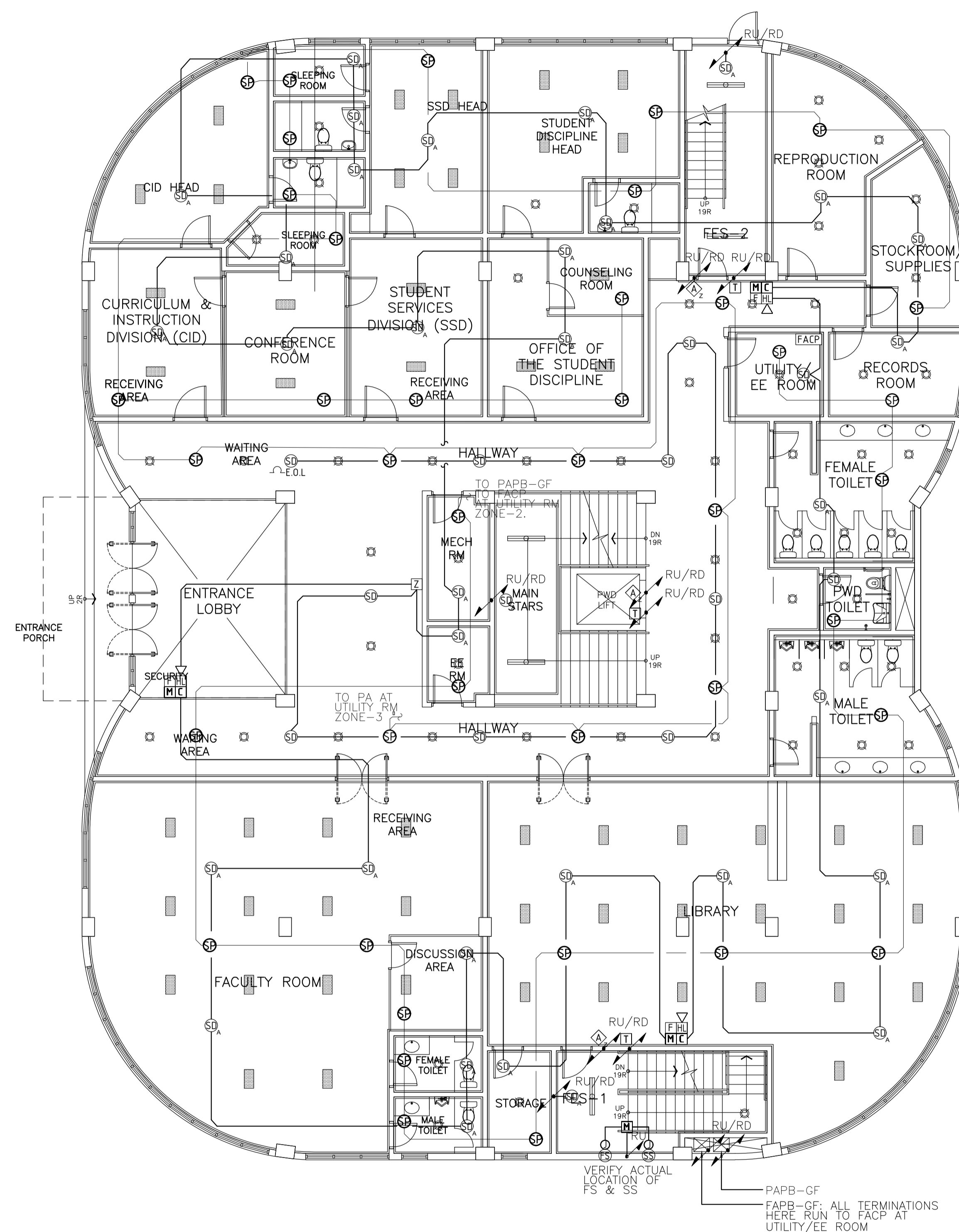
A ACADEMIC BUILDING II
EC-2.5 CCTV SYSTEM RISER DIAGRAM
 SCALE: N.T.S.

ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS	DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: PROPOSED ACADEMIC BUILDING II LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF	APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR	SHEET CONTENTS: CCTV SYSTEM RISER DIAGRAM	SHEET NO: EC 2.5 04
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LORVAL HEIGHTS, QUEZON CITY, 1108 TEL NOS: 426 7009; 426 3000-01 FAX NOS: 927 0608; 426 7214							

GENERAL NOTES: PROVIDE EMBEDDED ELECTRICAL ROUGHING-INS IN BASEMENT AND GROUND FLOOR



A ACADEMIC BUILDING II
BASEMENT REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM
 EC-3.1 SCALE: 1:100m



B ACADEMIC BUILDING II
GROUND FLOOR REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM
 EC-3.1 SCALE: 1:100m


ENRIQUE O. OLONAN & ASSOCIATES
 ARCHITECTS ENGINEERS CONSULTANTS
 IN JOINT VENTURE WITH
ENRIQUE O. OLONAN & ASSOCIATES, CO.
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS. 426 7009;
 426 90244
 FAX NOS. 927 0608;
 426 7214

DESIGNER:
EFREN T. PINEDA
 PROFESSIONAL ELECTRONICS ENGINEER
 PRC No. 0000494 Validity: 12/13/2022
 PTR No. 0703592 Date: 01/04/2021
 Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

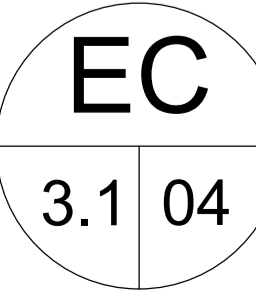
PROJECT:
**PROPOSED
 ACADEMIC BUILDING II**
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

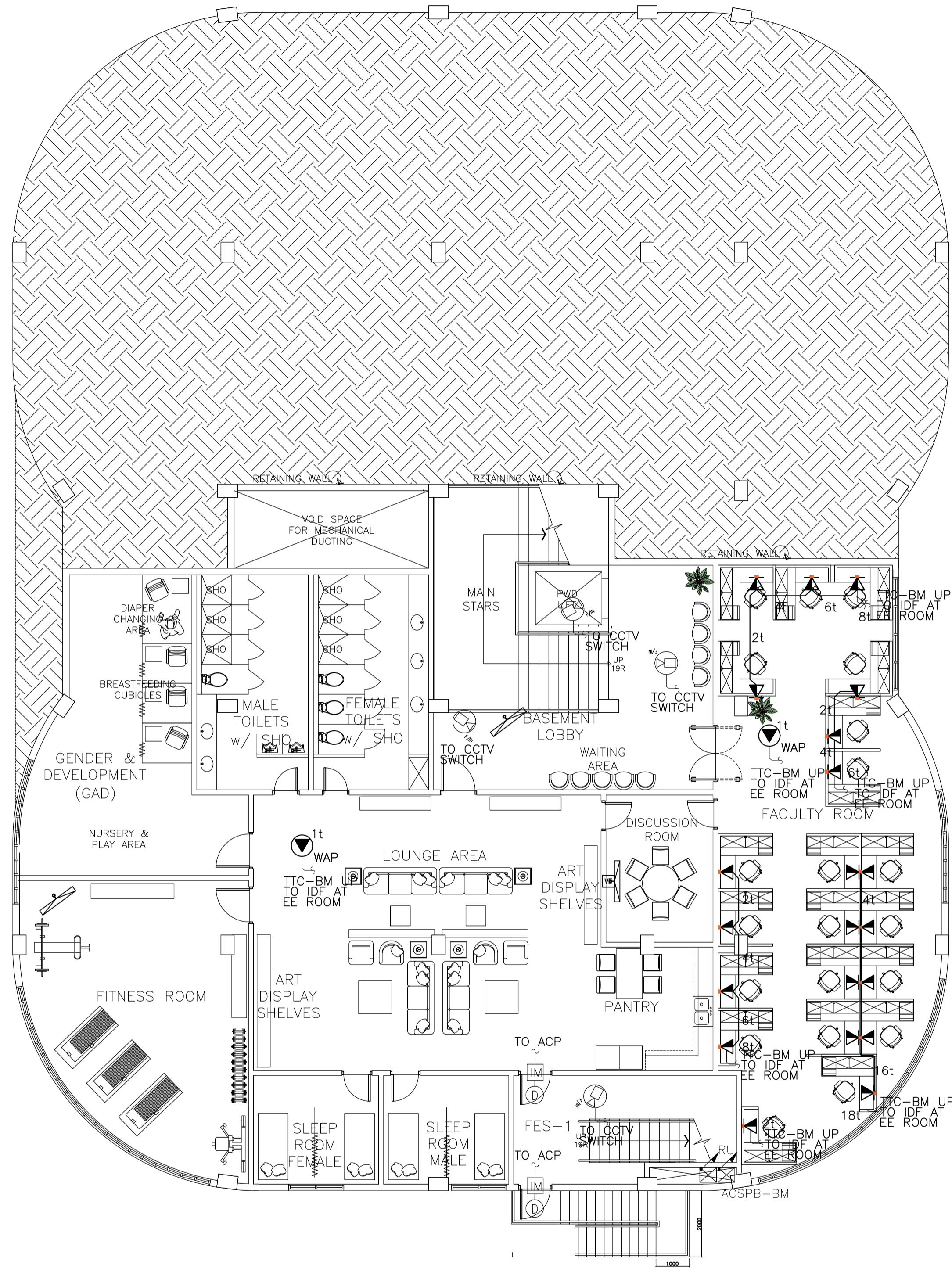
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

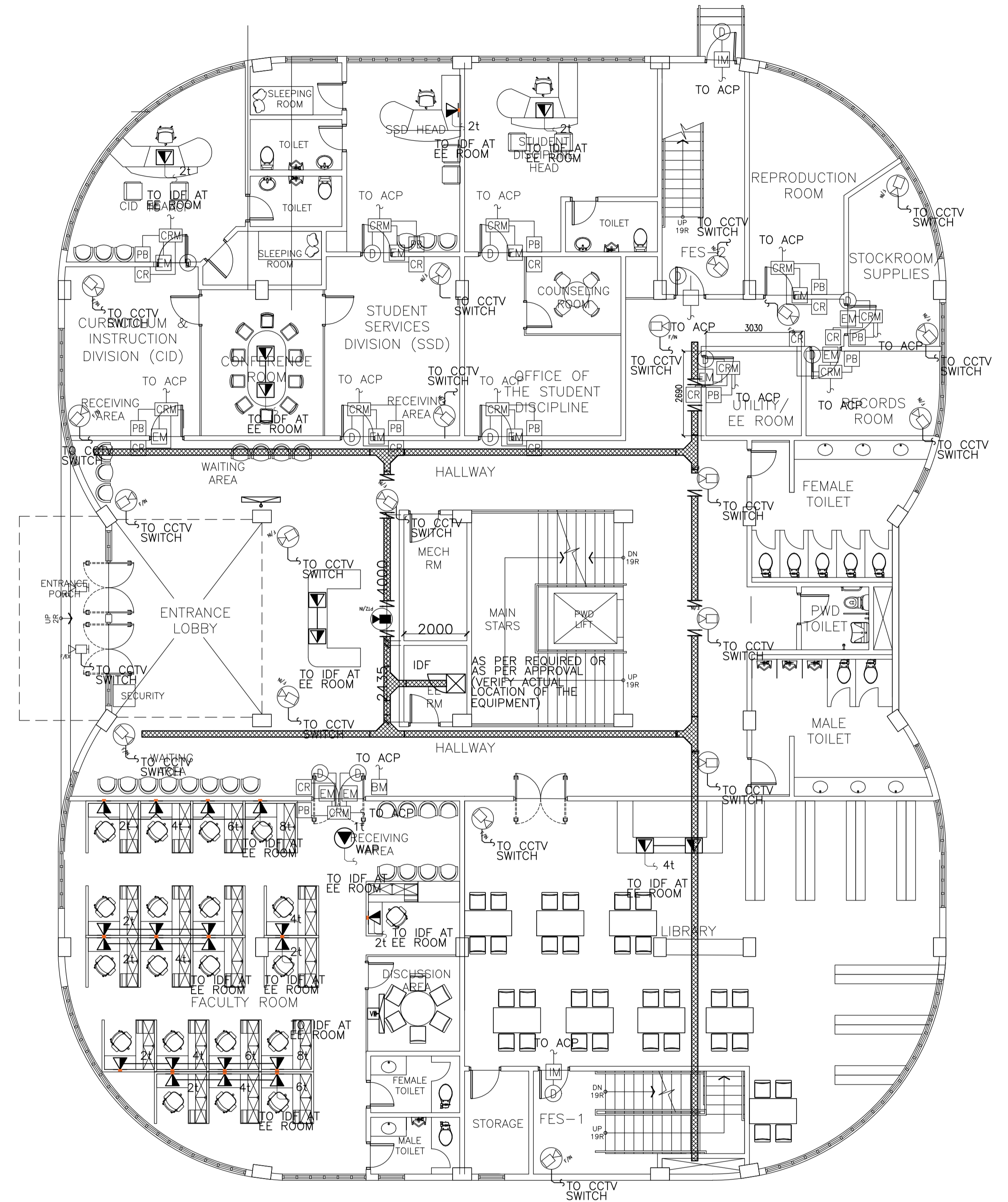
SHEET CONTENTS:
 BASEMENT REFLECTED CEILING PLAN
 FDAS AND PA BGM SYSTEM
 GROUND FLOOR REFLECTED CEILING PLAN
 FDAS AND PA BGM SYSTEM

SHEET NO:


GENERAL NOTES: PROVIDE EMBEDDED ELECTRICAL ROUGHING-INS IN BASEMENT AND GROUND FLOOR



A ACADEMIC BUILDING II
BASEMENT FLOOR PLAN ACS CCTV CATV AND TELCO SYSTEM
 EC-3.4 SCALE: 1:100m



B ACADEMIC BUILDING II
GROUND FLOOR PLAN ACS, CCTV, CATV AND TELCO SYSTEM
 EC-3.4 SCALE: 1:100m

ENRIQUE O. OLONAN & ASSOCIATES
 ARCHITECTS ENGINEERS CONSULTANTS
 IN JOINT VENTURE WITH
ENRIQUE O. OLONAN & ASSOCIATES, CO.
 ARCHITECTS ENGINEERS CONSULTANTS

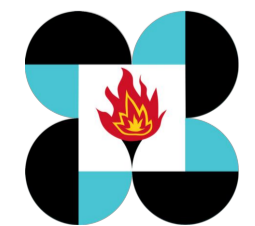
SUITE 305
 XAVIERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVIERVILLE
 AVENUE, LAYUNGA HEIGHTS,
 QUEZON CITY, 1108
 TEL NOS: 426 7009;
 426 3000-04
 FAX NOS: 927 0608;
 426 7214

DESIGNER:	
EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER	
PRC No. 0000494	Validity: 12/13/2022
PTR No. 0703592	Date: 01/04/2021
Place: QUEZON CITY	TIN: 106-351-490

REPUBLIC ACT 9266
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:	PROPOSED ACADEMIC BUILDING II
LOCATION:	Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

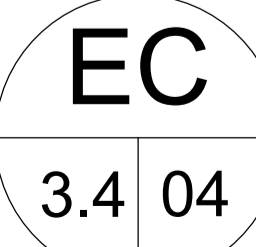


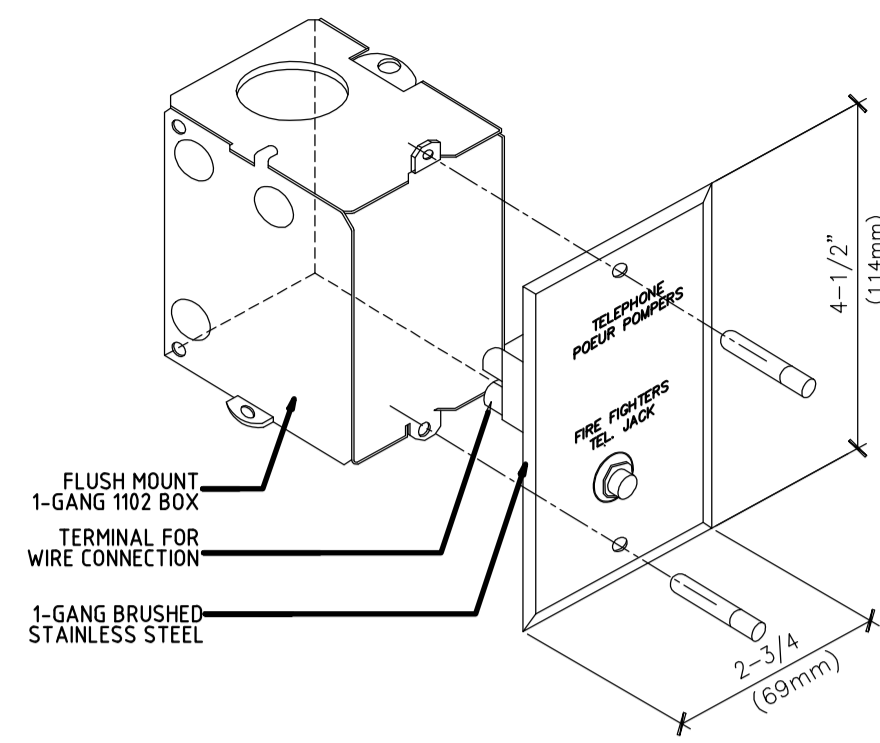
REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:	MERIAM F. FALLAR FAD CHIEF
------------------------	--------------------------------------

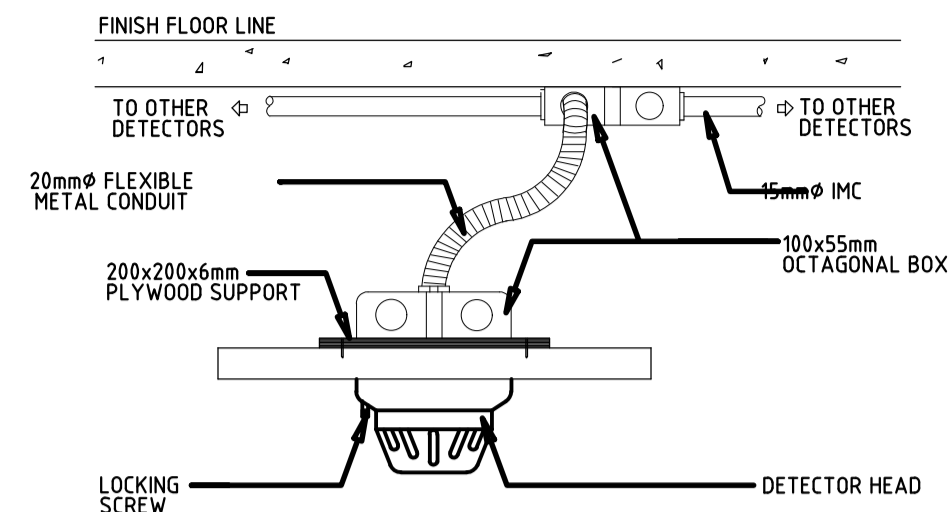
APPROVED BY:	EDWARD C. ALBARACIN CAMPUS DIRECTOR
--------------	---

SHEET CONTENTS:	BASEMENT FLOOR PLAN ACS, CCTV, CATV AND TELCO SYSTEM GROUND FLOOR PLAN ACS, CCTV, CATV AND TELCO SYSTEM
-----------------	--

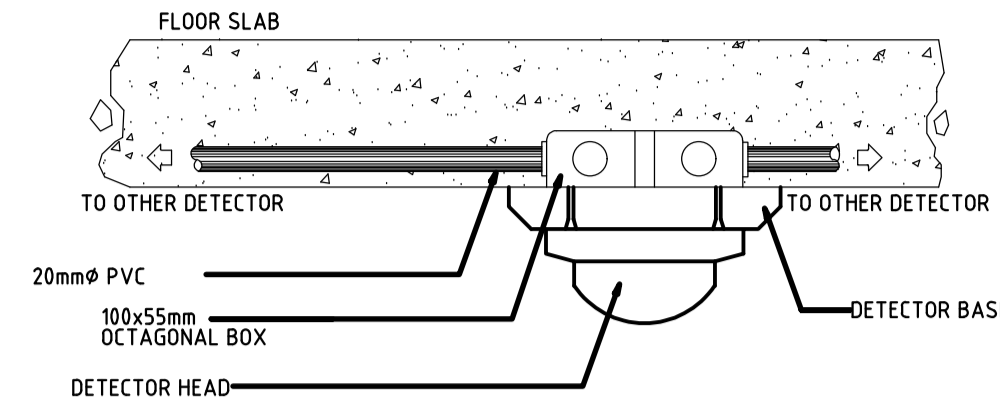
SHEET NO:




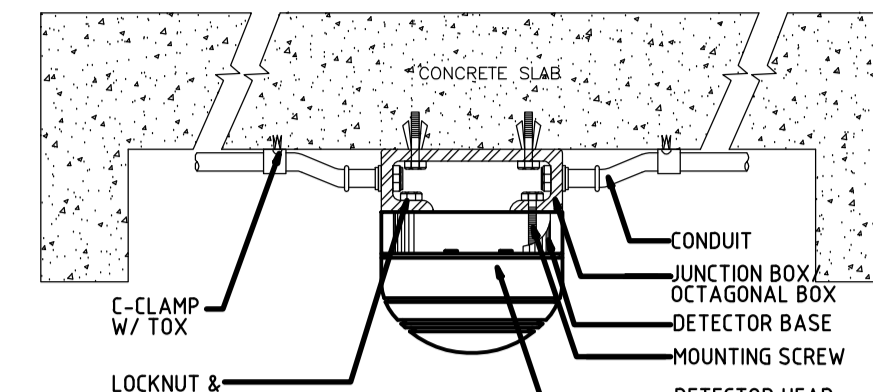
1 FDAS MOUNTING DETAILS
FIREMAN'S TEL JACK
EC-4.1 SCALE: N.T.S.



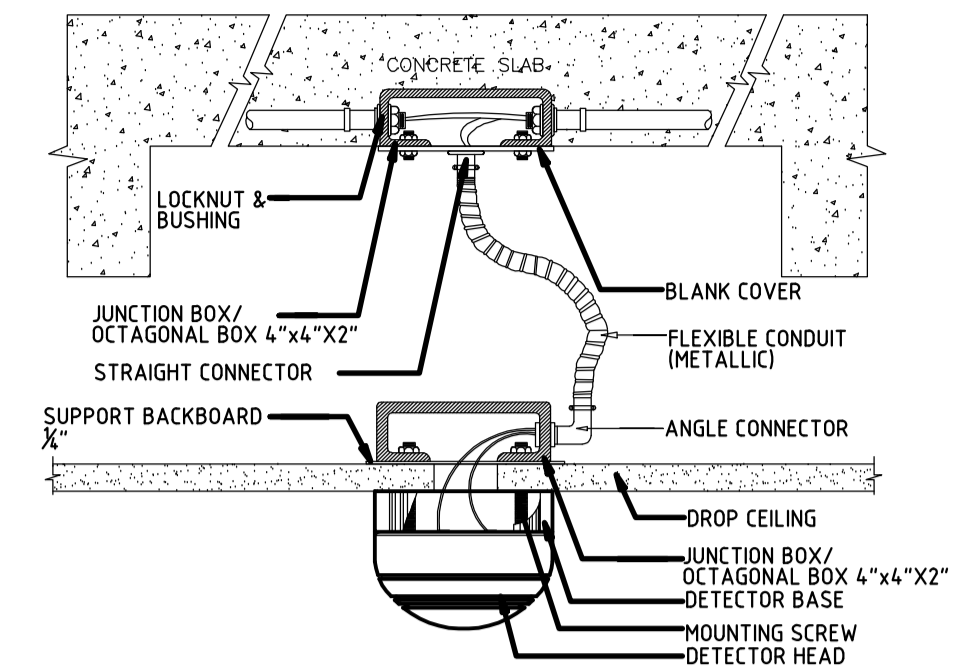
2 FDAS FLUSH-MOUNTING DETAILS
TYPICAL DETECTOR
EC-4.1 SCALE: N.T.S.



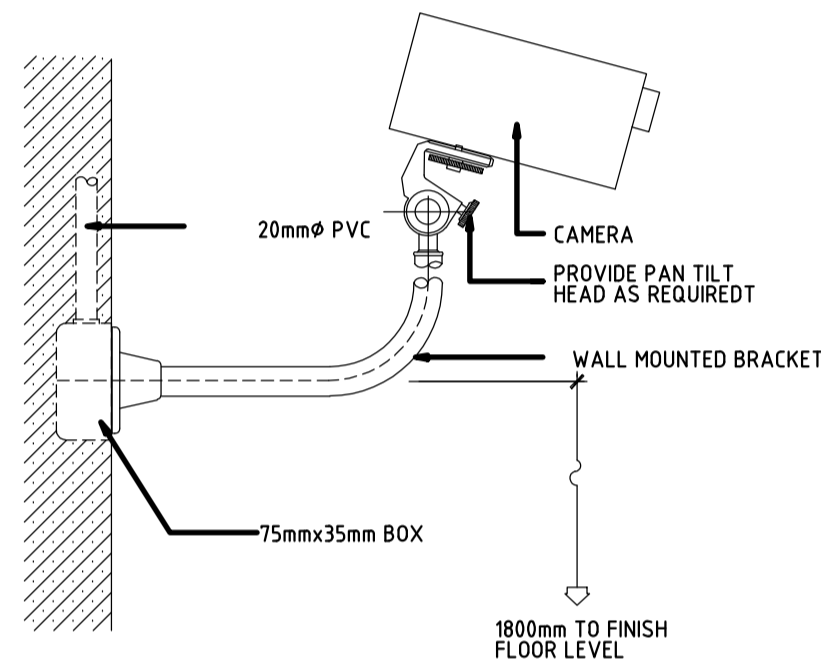
3 FDAS SURFACE-MOUNTING DETAILS
TYPICAL DETECTOR
EC-4.1 SCALE: N.T.S.



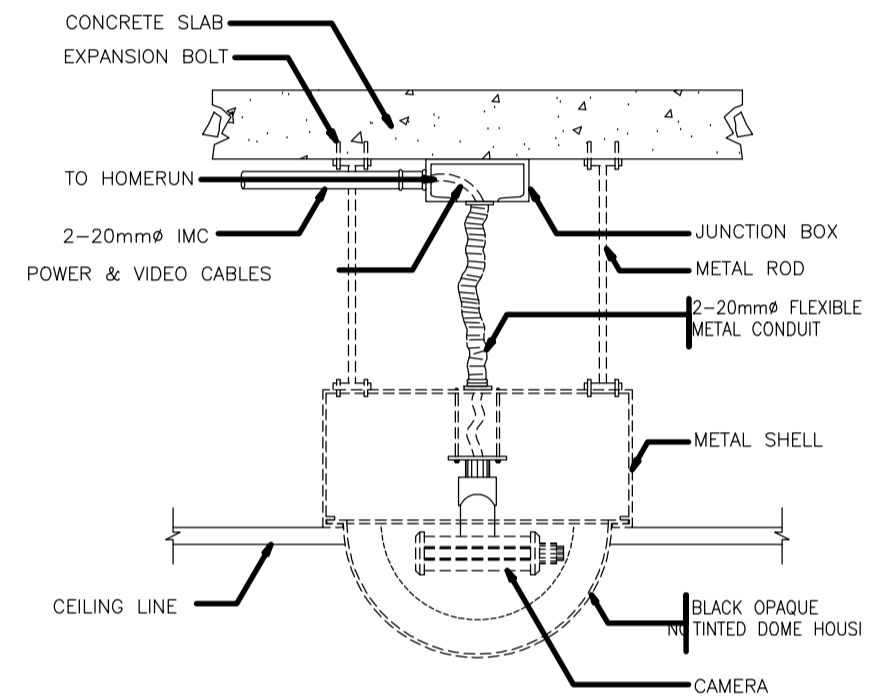
4 FDAS HEAT/SMOKE MOUNTING DETAILS
EXPOSED CONDUIT
EC-4.1 SCALE: N.T.S.



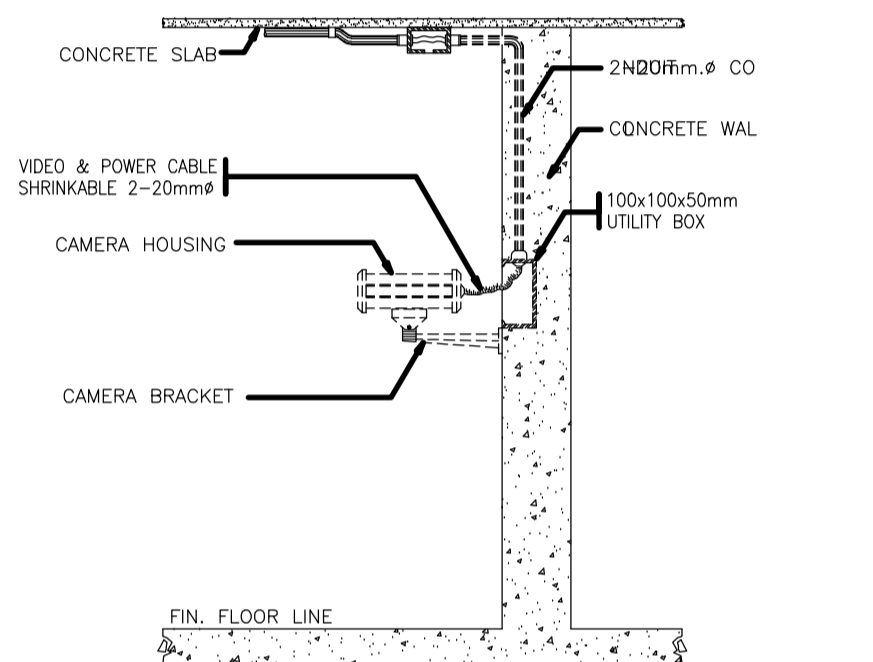
5 FDAS HEAT/SMOKE MOUNTING DETAILS
EMBEDDED CONDUIT
EC-4.1 SCALE: N.T.S.



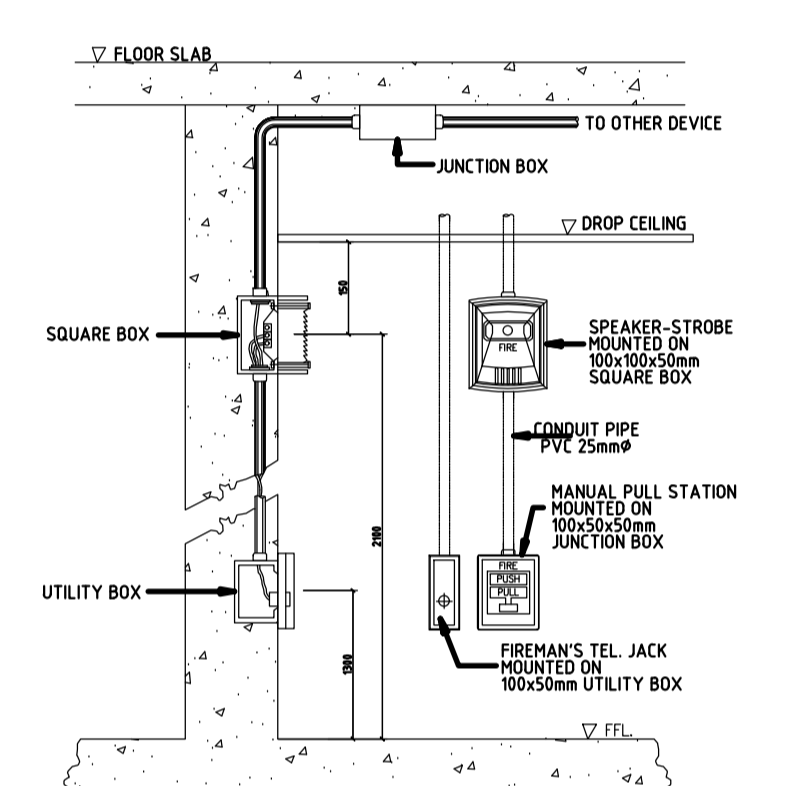
6 CCTV MOUNTING DETAILS
WALL MOUNT 1
EC-4.1 SCALE: N.T.S.



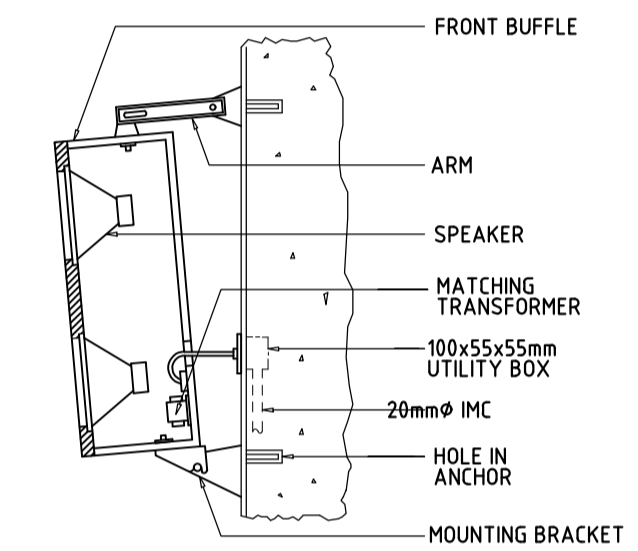
7 CCTV MOUNTING DETAILS
CEILING MOUNTED
EC-4.1 SCALE: N.T.S.



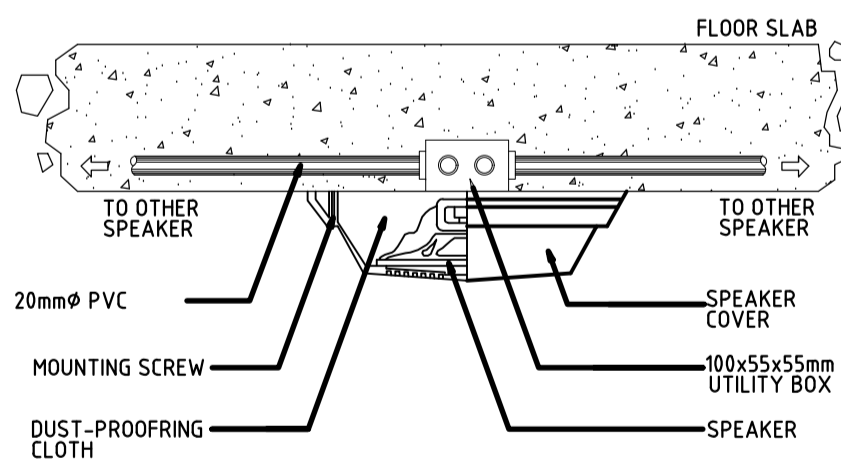
8 CCTV MOUNTING DETAILS
WALL MOUNT 2
EC-4.1 SCALE: N.T.S.



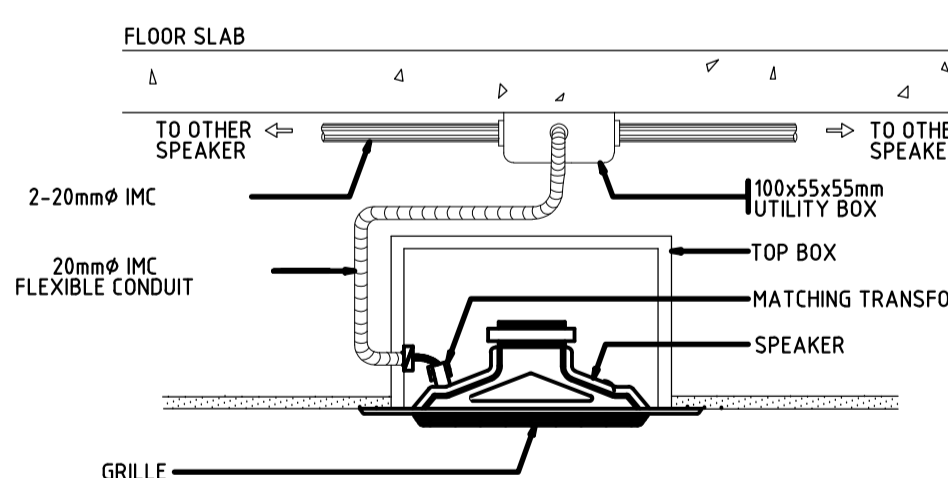
9 FDAS MOUNTING DETAILS
SOUNDER & MANUAL PULL
EC-4.1 SCALE: N.T.S.



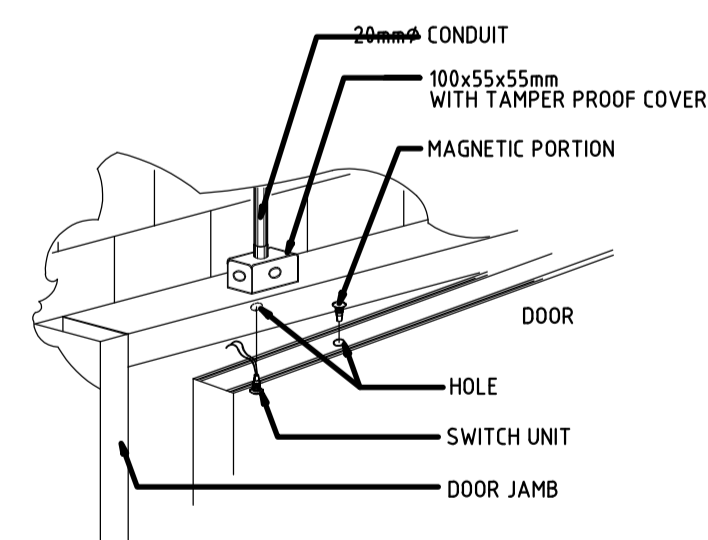
10 LOUDSPEAKER MOUNTING DETAILS
SIDE/COLUMN MOUNTED
EC-4.1 SCALE: N.T.S.



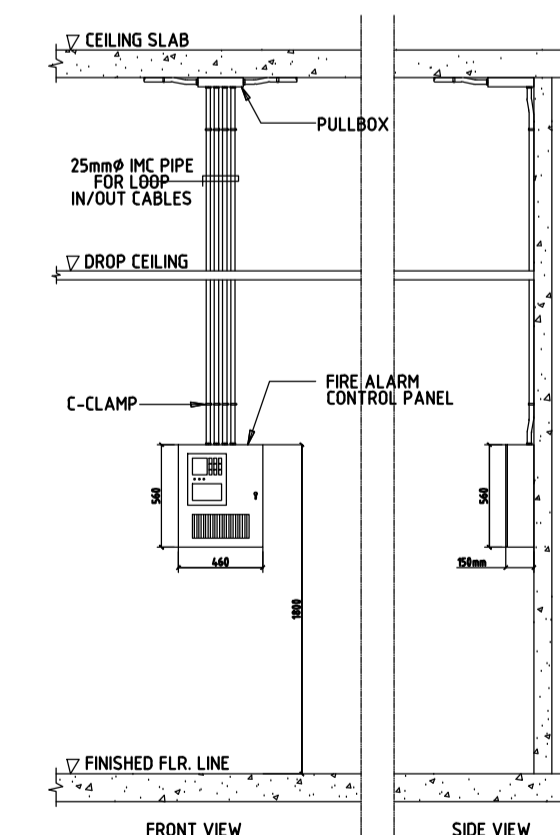
11 SPEAKER MOUNTING DETAILS
CEILING SPEAKER 1
EC-4.1 SCALE: N.T.S.



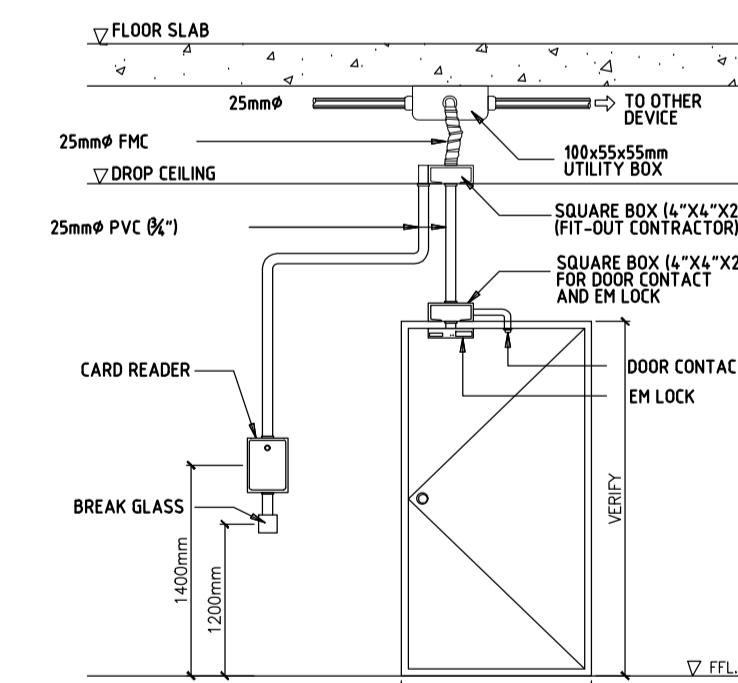
12 SPEAKER MOUNTING DETAILS
CEILING SPEAKER 2
EC-4.1 SCALE: N.T.S.



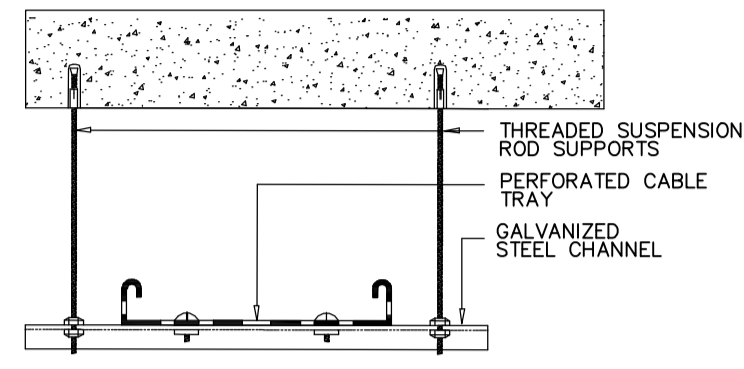
13 ACS LOCK MOUNTING DETAILS
MAGNETIC DOOR SWITCH
EC-4.1 SCALE: N.T.S.



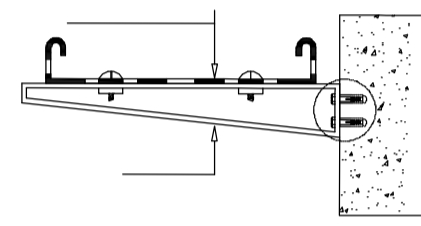
13 FDAS MOUNTING DETAILS
SURFACE MOUNTED
EC-4.1 SCALE: N.T.S.



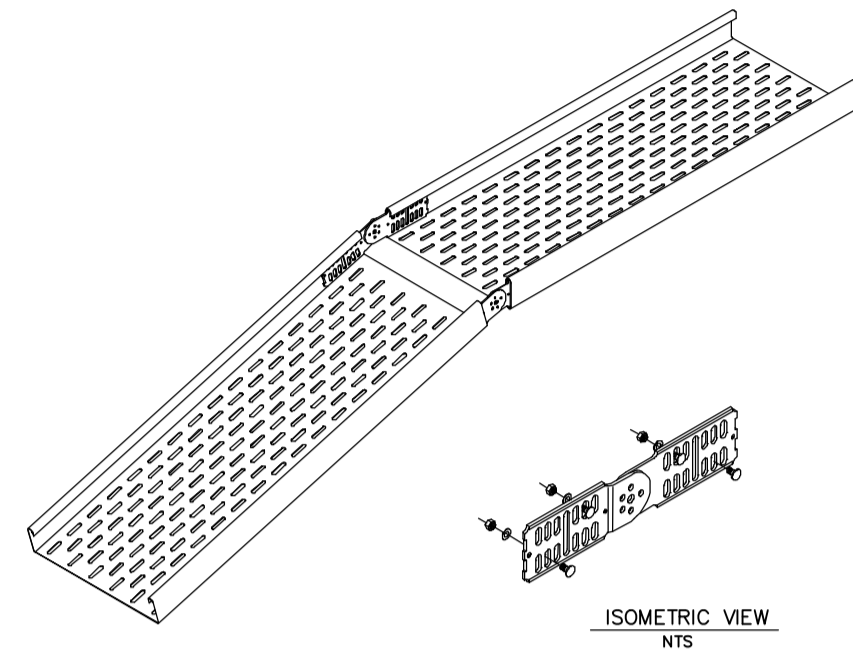
15 ACS CARD READER/BREAKER
EM LOCK DETAIL
EC-4.1 SCALE: N.T.S.



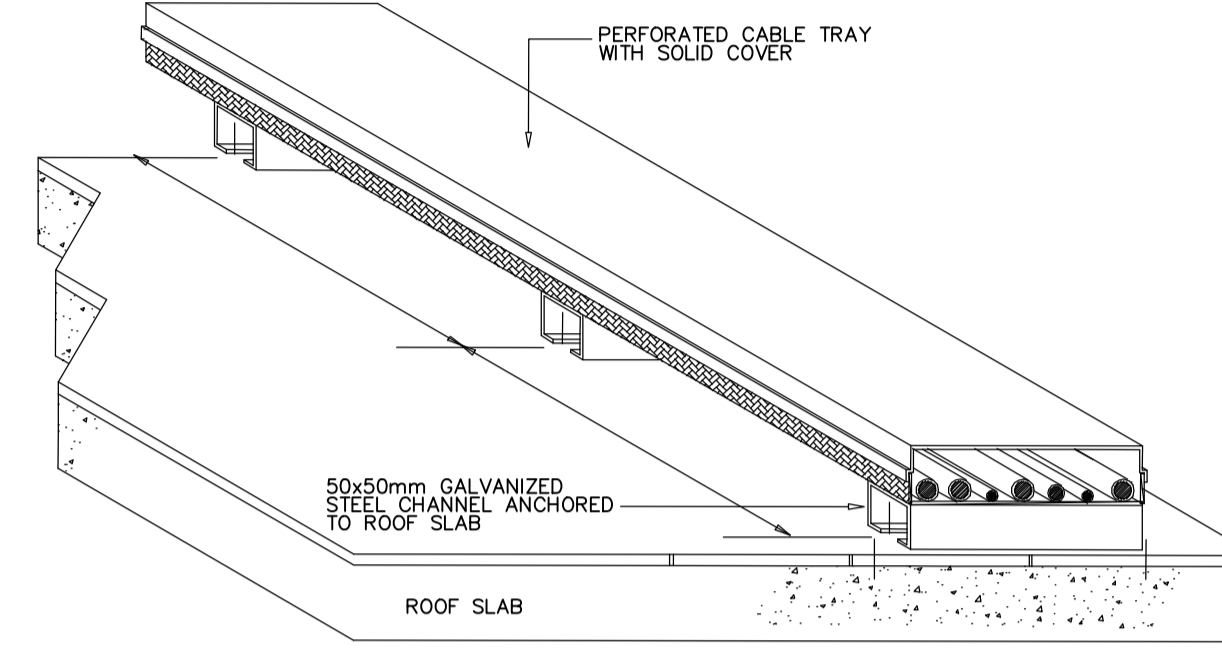
1 TELECOMS TYPICAL CABLE TRAY
SUSPENDED FROM CEILING SLAB
EC-4.3 SCALE: N.T.S.



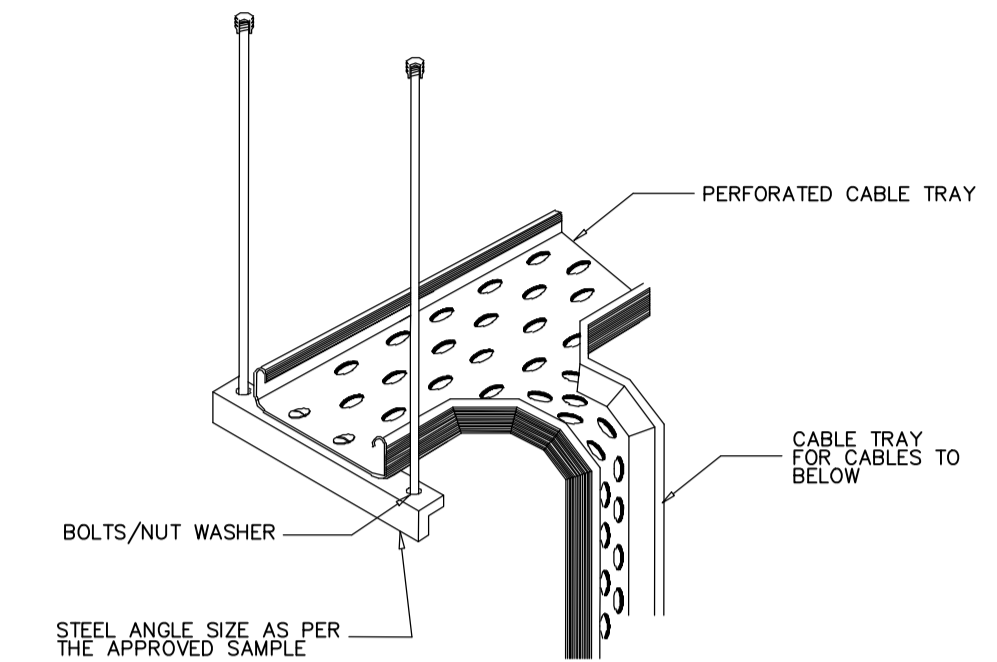
2 TELECOMS TYPICAL CABLE TRAY
WITH WALL-MOUNT SUPPORT
EC-4.3 SCALE: N.T.S.



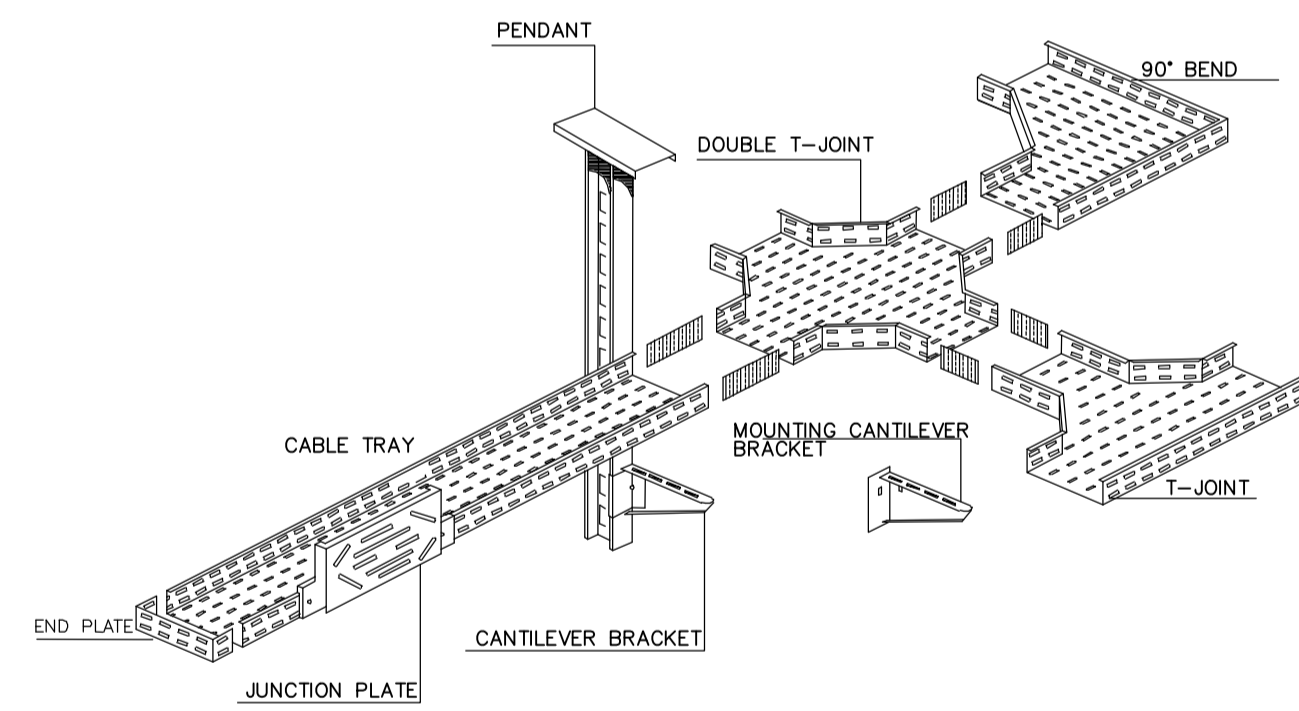
3 TELECOMS TYPICAL CABLE TRAY
WITH CHANGE OF ELEVATION
EC-4.3 SCALE: N.T.S.



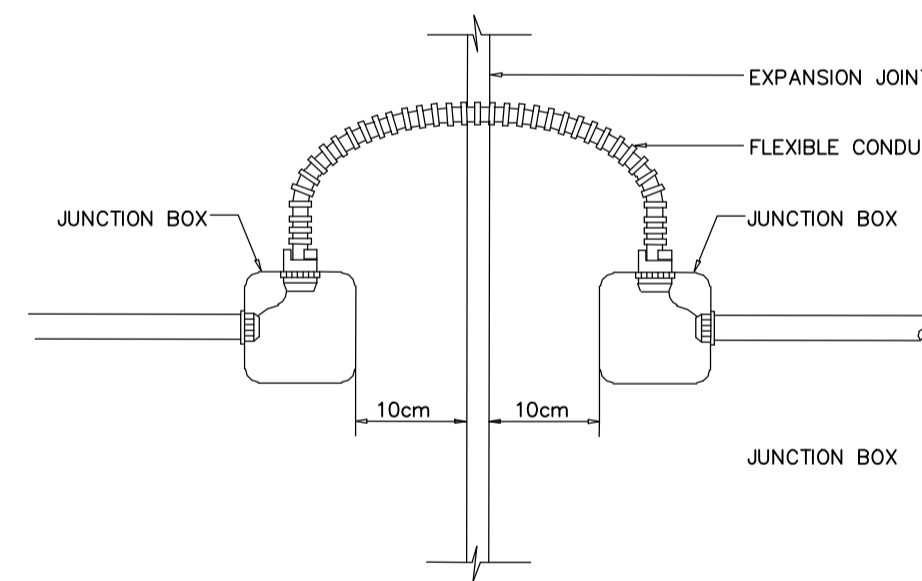
4 TELECOMS TYPICAL CABLE TRAY
WITH WALL-MOUNT SUPPORT
EC-4.3 SCALE: N.T.S.



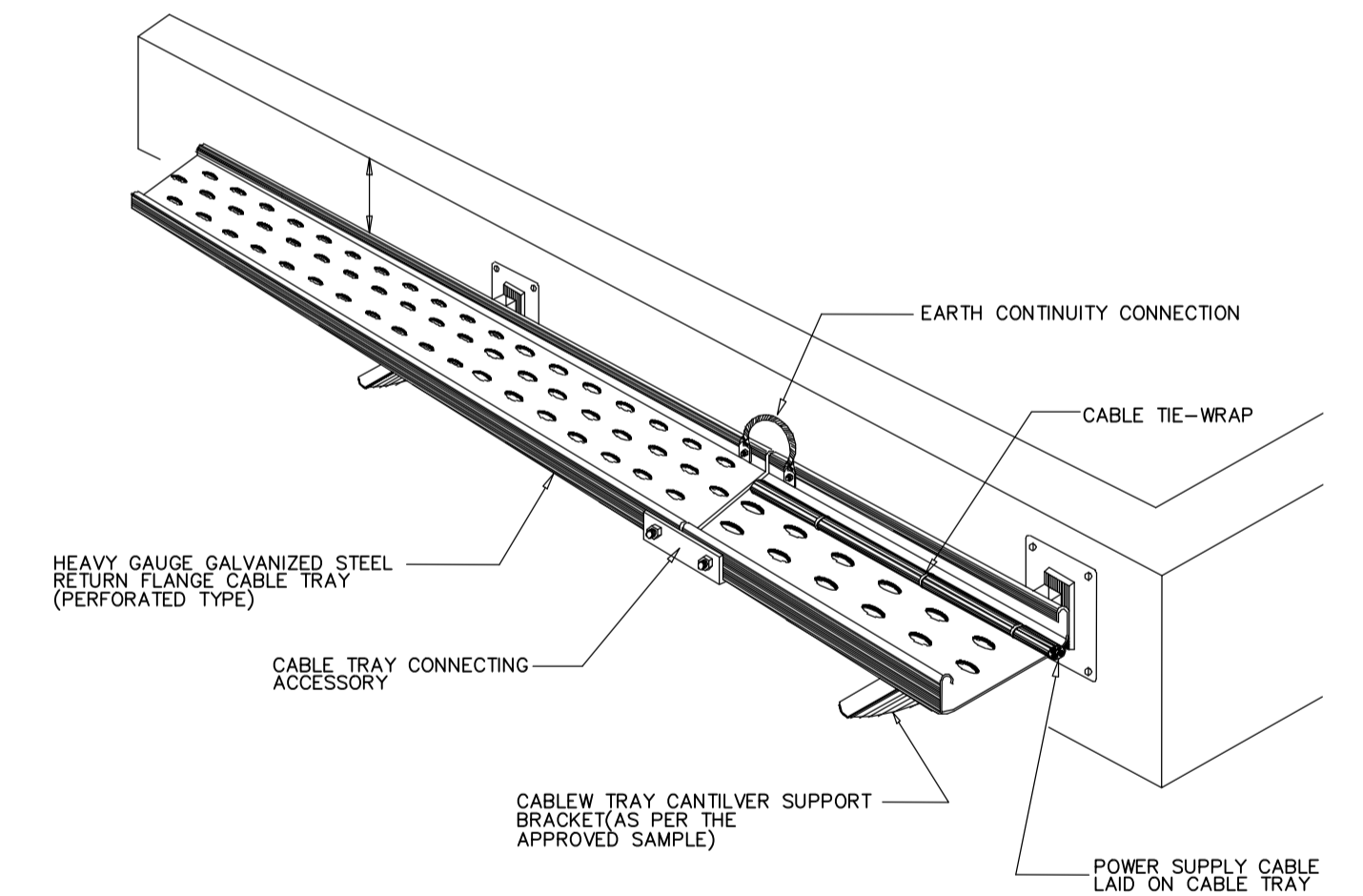
5 TELECOMS TYPICAL CABLE TRAY
CABLE DROP-OFF
EC-4.3 SCALE: N.T.S.



6 TELECOMS TYPICAL CABLE TRAY
ACCESSORIES DETAILS
EC-4.3 SCALE: N.T.S.



7 TELECOMS TYPICAL CABLE TRAY
EXPANSION CONNECTION DETAILS
EC-4.3 SCALE: N.T.S.



8 TELECOMS TYPICAL CABLE TRAY
WALL-MOUNT INSTALLATION
EC-4.3 SCALE: N.T.S.