

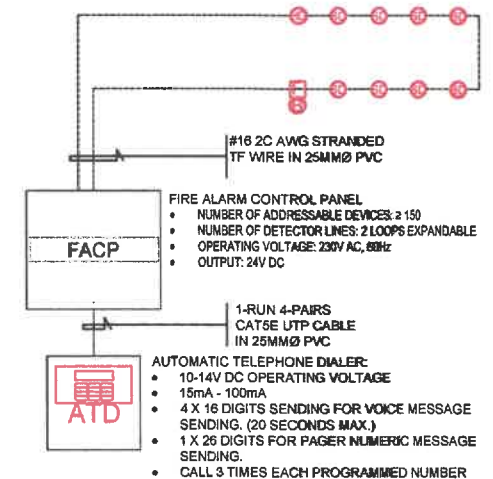


LEGEND:

	FIRE ALARM CONTROL PANEL		MANUAL CALL POINT WITH STROBE SOUNDER
	AUTOMATIC TELEPHONE DIALER (INSTALLED ON WALLS 140CM FROM FINISHED FLOOR LINE)		CIRCUIT RUN CONCEALED INSIDE PARTITION OR CEILING VOID
	SMOKE DETECTOR / HEAT DETECTOR (ADDRESSABLE)		CIRCUIT HOMERUN NUMBER INDICATES ZONING

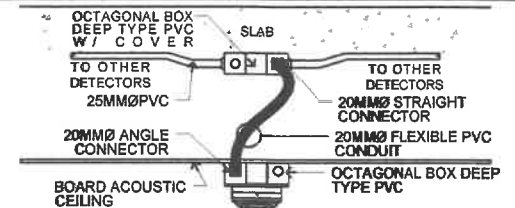
NOTE:

- SUBMIT ALL SAMPLES FOR APPROVAL OF DBP. NO PURCHASE & INSTALLATION TO BE DONE W/O DBP'S APPROVAL.
- CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB.
- DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITION MUST BE IMMEDIATELY FORWARDED TO CFMD FOR RESOLUTION.



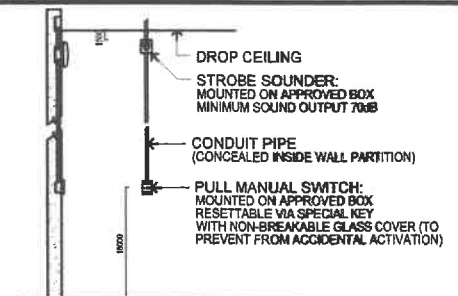
2 FDAS RISER DIAGRAM

ECE-1 NOT TO SCALE



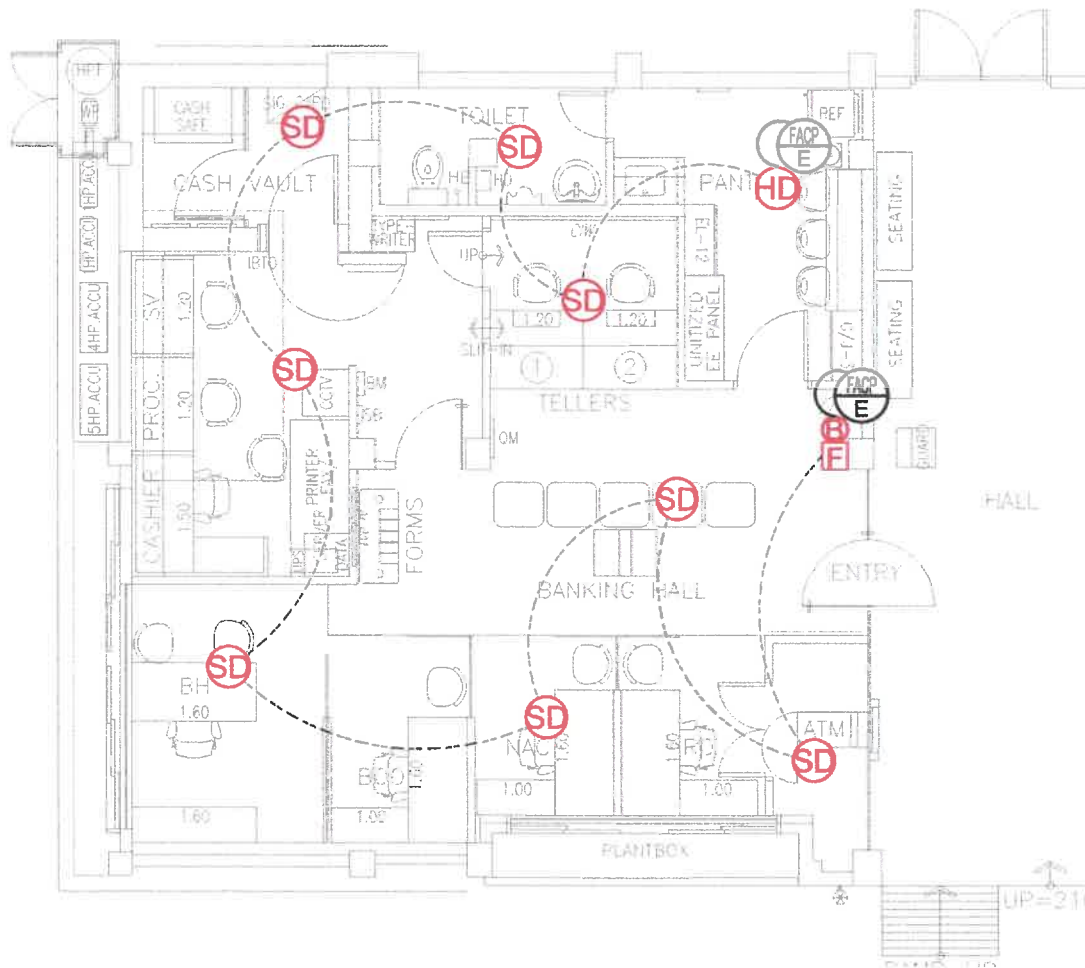
3 MOUNTING DETAIL OF ADDRESSABLE SMOKE DETECTOR

ECE-1 NOT TO SCALE



4 MOUNTING DETAIL OF MANUAL CALL POINT WITH SOUNDER STROBE

ECE-1 NOT TO SCALE



1 FIRE DETECTION ALARM SYSTEM LAYOUT

ECE-1 NOT TO SCALE

PROJECT TITLE:
**SUPPLY, DELIVERY, INSTALLATION
TESTING AND COMMISSIONING OF
FIRE DETECTION ALARM SYSTEM FOR
DBP GUINUBATAN BRANCH**

LOCATION:
**GROUND FLOOR SB LEGISLATIVE BUILDING,
ILAWOD, GUINOBATAN CITY, ALSAY**

PREPARED BY:

JUDE MATTHEW V. MERINO
PROPERTY AND FACILITIES SPECIALIST, PCMU

REVIEWED BY:

SM. EDWIN C. DIZON
HEAD, REPAIRS AND MAINTENANCE UNIT

ENDORSE FOR APPROVAL BY:

MGR. MICHAEL ANTOLIN F. CANCIO
THE HEAD, PROJECT AND CONTRACTS
MANAGEMENT UNIT -CFMD

APPROVED BY:

SM. ALBERTO SANTIAGO A. BERMEJO
THE CONCURRENT OIC, CFMD
PER OFFICE ORDER NO. 458 DATED 18 NOV. 2024

DATE ISSUED:
MAY 20, 2025

SHEET CONTENTS:
FDAS LAYOUT
FDAS RISER DIAGRAM
MOUNTING DETAIL OF ADDRESSABLE SMOKE DETECTOR
MOUNTING DETAIL OF MANUAL CALL POINT WITH SOUNDER STROBE

SHEET NO:
ECE
1

SUPPLY, DELIVERY, INSTALLATION TESTING AND COMMISSIONING OF FIRE DETECTION ALARM SYSTEM FOR DBP GUINOBATAN BRANCH

Project Name
GROUND FLOOR SB LEGISLATIVE BUILDING, ILAWOD, GUINOBATAN CITY, ALBAY
Project Location

BILL OF QUANTITIES												
ITEM NO.	DESCRIPTION	QTY.	UNIT	LABOR & MATERIAL	MARK-UP	PROFIT	TOTAL MARK-UP		VAT	TOTAL	TOTAL COST	UNIT COST
				DIRECT COST	OCM		%	VALUE		INDIRECT COST		
1 GENERAL REQUIREMENTS												
1.1	Construction health and safety program	1	lot	2,500.00	-	250.00	10%	250.00	137.50	387.50	2,887.50	2,887.50
1.2	Clearances/permit requirements	1	lot	15,000.00	-	-	0%	-	750.00	750.00	15,750.00	15,750.00
1.3	Mobilization and demobilization	1	lot	16,000.00	-	-	0%	-	800.00	800.00	16,800.00	16,800.00
1.4	Site maintenance											
1.4.1	Hauling/disposal	1	lot	1,000.00	150.00	100.00	25%	250.00	62.50	312.50	1,312.50	1,312.50
Sub-total=											36,750.000	
2 SITE CONDITIONS												
2.1	Dismantling works	1	lot	10,000.00	1,500.00	1,000.00	25%	2,500.00	625.00	3,125.00	13,125.00	13,125.00
Sub-total=											13,125.000	
3 ELECTRONIC SAFETY AND SECURITY												
3.1	FDAS											
3.1.1	Fire alarm control panel (FACP)	1	set/s	51,294.60	7,694.19	5,129.46	25%	12,823.65	3,205.91	16,029.56	67,324.16	67,324.16
3.1.2	Auto dialer for fire alarm	1	set/s	13,293.65	1,994.05	1,329.37	25%	3,323.41	830.85	4,154.27	17,447.92	17,447.92
3.1.3	Smoke detector (addressable)	8	set/s	12,337.60	1,850.64	1,233.76	25%	3,084.40	771.10	3,855.50	16,193.10	2,024.14
3.1.4	Heat detector (addressable)	1	set/s	1,542.20	231.33	154.22	25%	385.55	96.39	481.94	2,024.14	2,024.14
3.1.5	Manual call point with strobe sounder	1	set/s	4,151.40	622.71	415.14	25%	1,037.85	259.46	1,297.31	5,448.71	5,448.71
3.2	Wires and cables											
3.2.1	Cat5e UTP cable 4 pairs (305m/box)	1	box/es	4,180.00	627.00	418.00	25%	1,045.00	261.25	1,306.25	5,486.25	5,486.25
3.2.2	#16 2C AWG stranded TF wire	70	m	2,912.00	436.80	291.20	25%	728.00	182.00	910.00	3,822.00	54.60
3.3	Conduits and fittings											
3.3.1	25mmØ PVC pipe (3m/pc), with adapter and locknut	30	set/s	4,897.62	734.64	489.76	25%	1,224.41	306.10	1,530.51	6,428.13	214.27
3.3.2	20mmØ flexible PVC pipe (50m/roll)	1	roll/s	340.00	51.00	34.00	25%	85.00	21.25	106.25	446.25	446.25
3.3.3	20mmØ straight connector	20	pc/s	100.00	15.00	10.00	25%	25.00	6.25	31.25	131.25	6.56
3.3.4	20mmØ angle connector	20	pc/s	100.00	15.00	10.00	25%	25.00	6.25	31.25	131.25	6.56
3.4	Boxes											
3.4.1	Junction box with cover (PVC)	20	set/s	400.00	60.00	40.00	25%	100.00	25.00	125.00	525.00	26.25
3.4.2	Utility box (PVC)	5	set/s	70.00	10.50	7.00	25%	17.50	4.38	21.88	91.88	18.38
3.5	Other accessories											
3.5.1	Hanger and support	1	lot	2,000.00	300.00	200.00	25%	500.00	125.00	625.00	2,625.00	2,625.00
3.5.2	Consumables (tape, tagging, PVC cement and accessories)	1	lot	2,000.00	-	200.00	10%	200.00	110.00	310.00	2,310.00	2,310.00
3.5.3	Mounting termination, testing, commissioning and programming	1	lot	3,000.00	450.00	300.00	25%	750.00	187.50	937.50	3,937.50	3,937.50
Sub-total=											134,372.530	
Total=											184,247.53	

Prepared by:

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Approved by:

SM. ALBERTO SANTIAGO A. BERMEJO
Concurrent OIC, Construction and Facilities Management Department
Per Office Order No. 458 dated 19 November 2024