



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.

PROJECT TITLE:

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

LOCATION:

DBP BUILDING, MAGALLANES IRAYA ST. DAET,
CAMARINES NORTE, 4600

PREPARED BY:

JUDE MATTHEW V. MERINO
PROPERTY AND FACILITIES SPECIALIST, PCMU

REVIEWED BY:

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

ENDORING 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 19 NOV. 2024

DATE ISSUED:

MAY 22, 2025

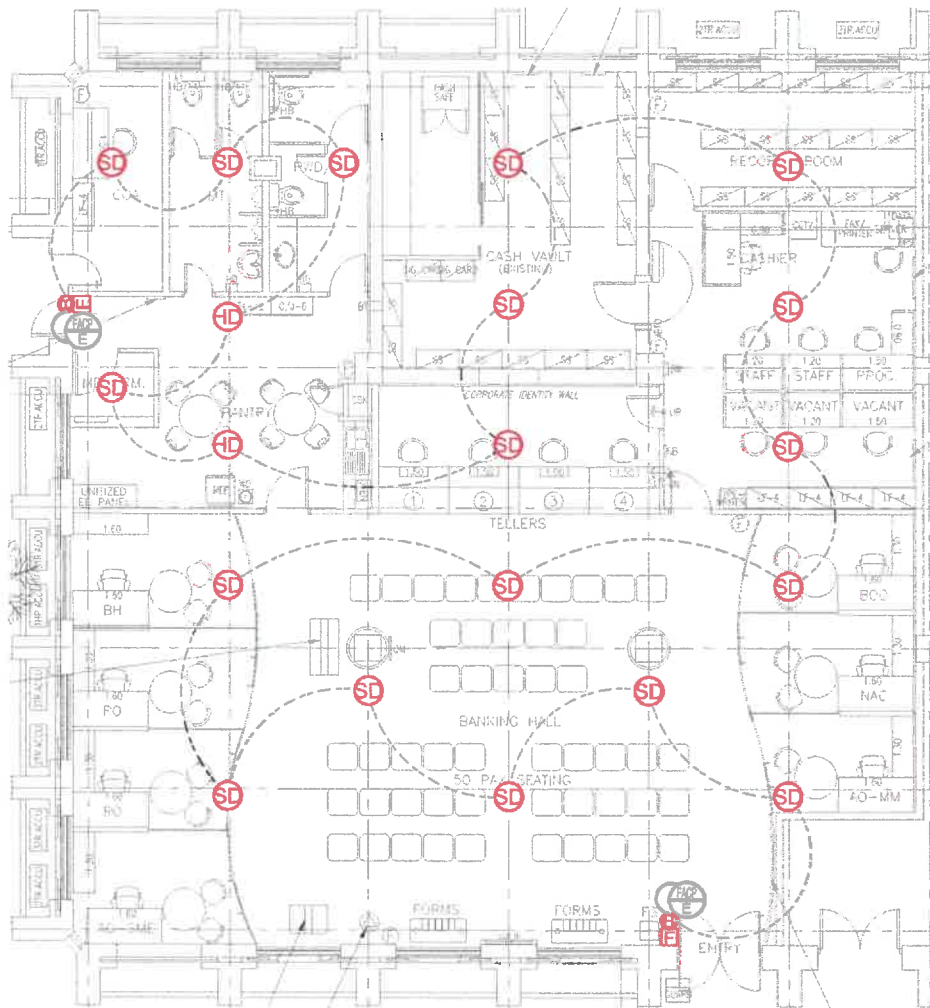
SHEET CONTENTS:

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

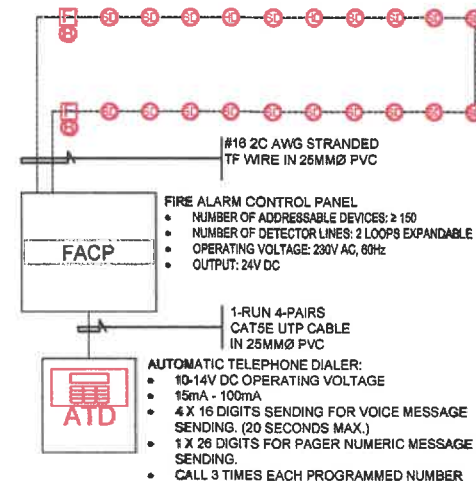
SHEET NO:

ECE

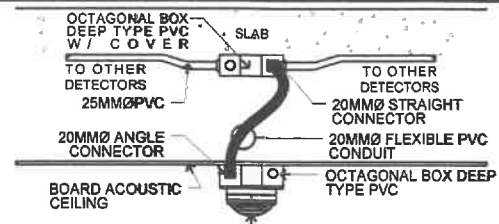
1



1 FIRE DETECTION ALARM SYSTEM LAYOUT
ECE-1 NOT TO SCALE

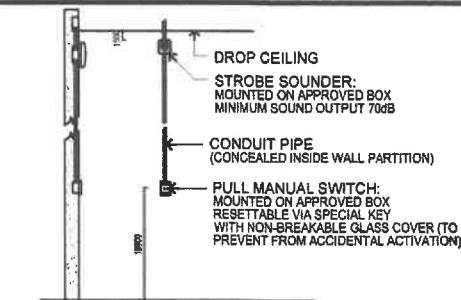


2 FDAS RISER DIAGRAM
ECE-1 NOT TO SCALE



- PHOTOELECTRIC ELECTRONICALLY ADDRESSABLE
- ALARM SENSITIVITY: BUILT-IN ALGORITHM MAPS / NFPA STANDARDS
- INDICATOR: TWIN LED (FOR 360° VISION)
- PANEL COMMUNICATION: REMOTELY (POLL INDICATOR)
- OPERATING VOLTAGE: 24V DC

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

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

Project Name

DBP BUILDING, MAGALLANES IRAYA ST. DAET, CAMARINES NORTE, 4600

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)	18	set/s	27,759.60	4,163.94	2,775.96	25%	6,939.90	1,734.98	8,674.88	36,434.48	2,024.14
3.1.4	Heat detector (addressable)	2	set/s	3,084.40	462.66	308.44	25%	771.10	192.78	963.88	4,048.28	2,024.14
3.1.5	Manual call point with strobe sounder	2	set/s	8,302.80	1,245.42	830.28	25%	2,075.70	518.93	2,594.63	10,897.43	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	140	m	5,824.00	873.60	582.40	25%	1,456.00	364.00	1,820.00	7,644.00	54.60
3.3	Conduits and fittings											
3.3.1	25mmØ PVC pipe (3m/pc), with adapter and locknut	50	set/s	8,162.70	1,224.41	816.27	25%	2,040.68	510.17	2,550.84	10,713.54	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	40	pc/s	200.00	30.00	20.00	25%	50.00	12.50	62.50	262.50	6.56
3.3.4	20mmØ angle connector	40	pc/s	200.00	30.00	20.00	25%	50.00	12.50	62.50	262.50	6.56
3.4	Boxes											
3.4.1	Junction box with cover (PVC)	40	set/s	800.00	120.00	80.00	25%	200.00	50.00	250.00	1,050.00	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=	170,981.673	
										Total=	220,856.67	

Prepared by:

JUDE MATTHEW V. MERINO
Property and Facilities Specialist, PCMU

Reviewed by:

SM. EDWIN C. DIZON
Head, Repairs and Maintenance Unit

Approved by:

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

Endorsing for Approval by:

MR. MICHAEL ANTOLIN F. CANCIO
Head, Project and Contracts Management Unit - CFMD