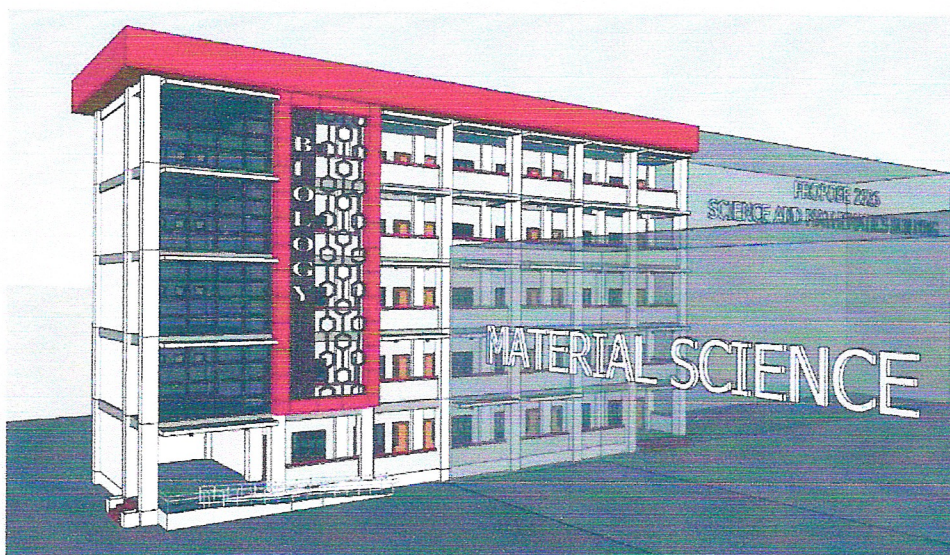
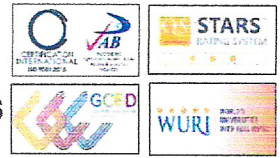




PROJECT PROFILE



PROJECT TITLE	:	CONSTRUCTION OF THE BIOLOGY DEPARTMENT SCHOOL INFRASTRUCTURE/EDIFICE
ABC	:	PhP 47,000,000.00
TOTAL FLOOR AREA	:	1,576 sq.m.
Ground Floor	:	325.50 sq.m.
2 nd Floor	:	325.50 sq.m.
3 rd Floor	:	325.00 sq.m.
4 TH Floor	:	325.00 sq.m.
Roof Deck	:	50.00 sq.m.
NO. OF STOREY	:	FOUR (4) STOREY WITH ROOF DECK
COST PER SQ.M.	:	PhP 36,098/sq.m.
PROJECT CONSTRUCTION DURATION	:	730 Calendar Days
NO. OF CLASSROOMS	:	5 Classrooms x 48 Students/room= 240 students 5 Laboratories x 28 Students/room= 140 Students = 380 Students in total (7.00 x 9.00meter = 63 Sq.m.) (GF- 1, 2F- 3, 3F- 3 & 4f-3 Classrooms
TOILET	:	Female, PWD & Gender-Neutral Toilets @ GF female Toilet @ 2F, female Toilet @ 3F & 4F.



A comprehensive building statutory compliance checklist covers building codes, fire safety, environmental regulations, health and safety, structural integrity, and accessibility,

Building Codes & Structural Integrity:

- Ensuring the building's foundation, walls, and roof meet current structural code requirements.
- Adhering to building regulations for construction and alterations

Fire Safety & Equipment:

- Installation fire sprinkler system, smoke detectors and fire alarms.
- Proper placement of fire extinguishers.
- Ensures clear and unobstructed fire exits and escape routes

Health & Safety:

- Compliance with health and safety regulations.
- Appropriate lighting and ventilation within the building

Accessibility:

- The building is accessible to people with disabilities, through ramps, elevators, and proper signage.

Green Architecture:

- Energy Efficiency: Using energy-efficient ventilation, lighting, and appliances, as well as alternative energy sources like solar and wind power.
- Water Conservation: Incorporating plumbing fixtures and designs that reduce water consumption, rainwater harvesting systems for landscaping and toilet flushing.
- Thermal roof insulation create a building envelope that minimizes heat transfer, which directly supports the core green principle of energy efficiency.

Common building materials used are raw & manufactured substances used in construction are the following; Concrete, Steel, Wood, Stone, Masonry, Glass, Aluminum & Insulation.

Building Structural Components using the materials above are assembled into the following;

Foundation: The base of the building that supports the entire structure.

Walls: Vertical structures that enclose and support the building.

Beams and Columns: Vertical and horizontal structural elements that carry loads from the roof and floors to the foundation.

Floors: The flat surfaces that support people and furniture, connecting different levels of the building.

Roof: The uppermost part of the building that provides shelter.

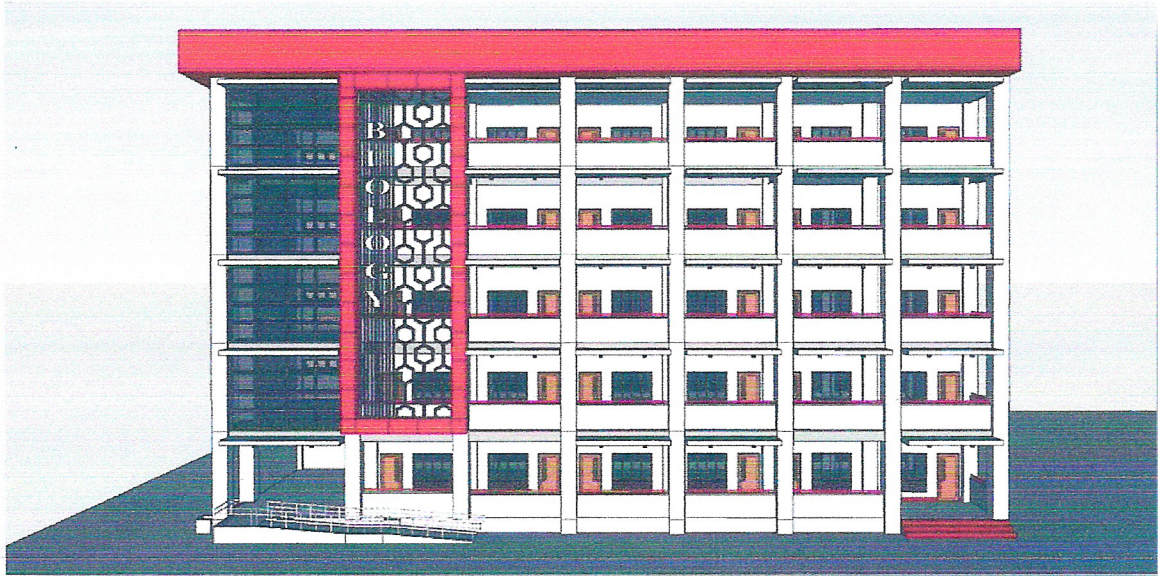


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PHYSICAL PLANT AND ENGINEERING SERVICES
Zamboanga City



Doors and Windows: Openings in the walls that provide access and allow for natural light and ventilation.

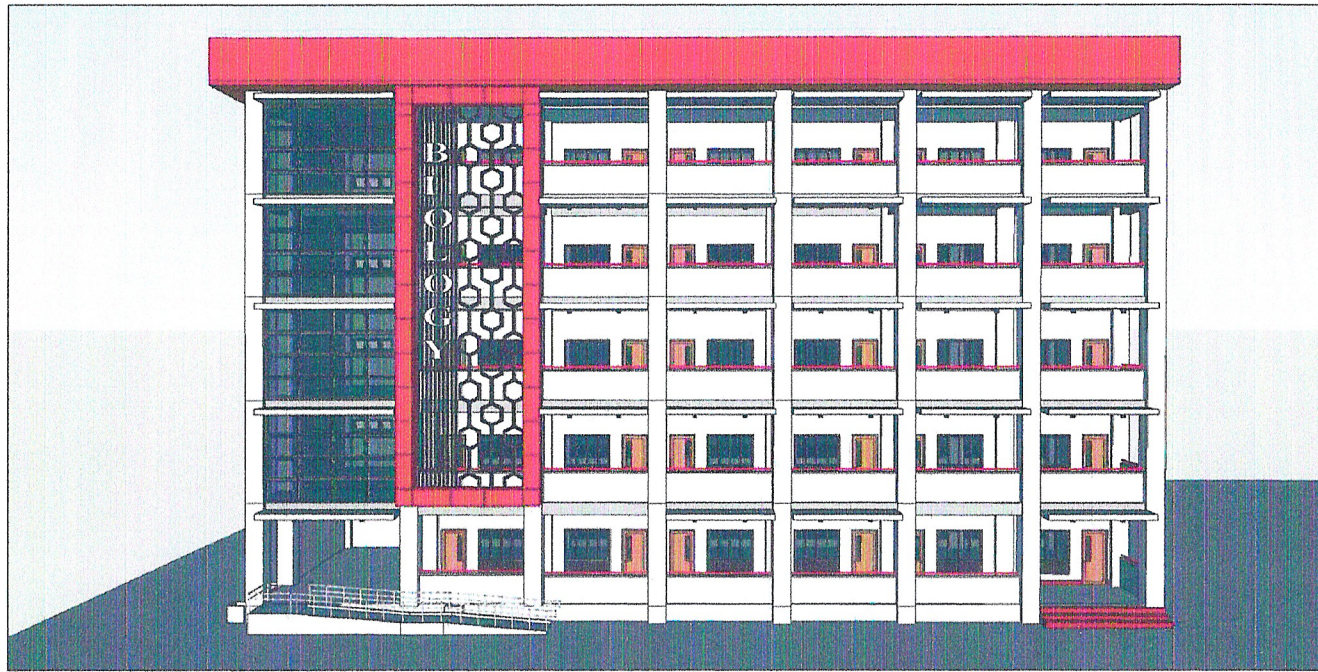
Plumbing and Electrical Systems: The pipes and wiring systems for water, waste, and power.



PERSPECTIVE

Prepared by:


ARCH. JOSEPH ANDREW L. SAHIAL
Director, PPES/ University Architect
PDO-III

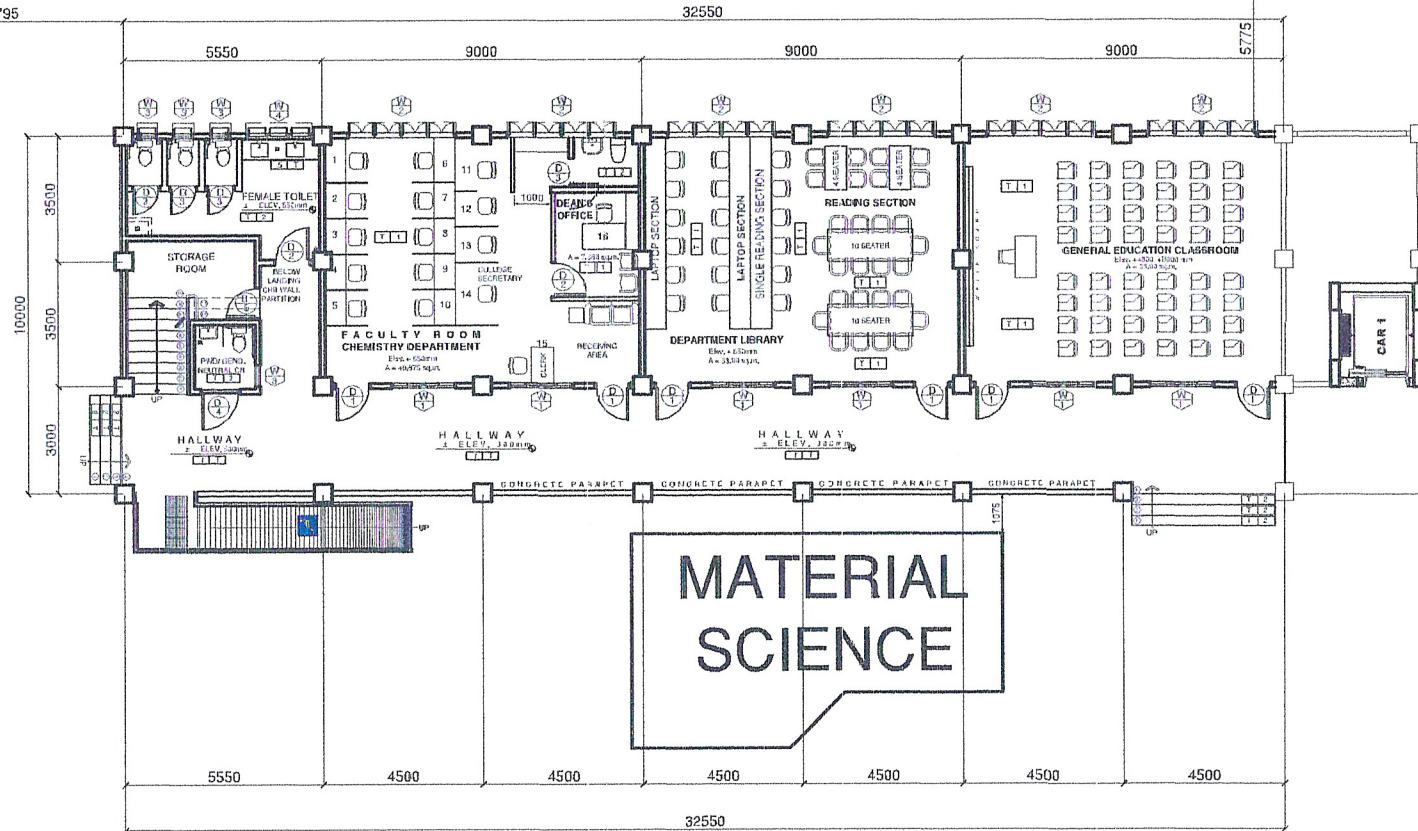


PERSPECTIVE VIEW
NOT TO SCALE

	DESIGNED BY: ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	PROJECT TITLE: CONSTRUCTION OF THE BIOLOGY DEPARTMENT SCHOOL INFRASTRUCTURE/ EDIFICE	REQUISITIONER DR. MOHAMMAD NUR S. PASPASAN DEAN, COLLEGE OF SCIENCE AND MATHEMATICS	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	RECOMMENDING APPROVAL DR. JOSELITO L. MADRONAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY: DR. MA. CARLA A. LUCHOTORENA WMU-PRESIDENT	SHEET CONTENTS: PERSPECTIVE DRAFTED BY: AR, JPT	SHEET NO. A01 01/04	
PRC: 001577	PTR: 292821	TIN: 445-013-228	LOCATION: WPU LOT - 2, NORMAL ROAD, BALIWAN, ZAMBOANGA CITY	PRC: 001577	PTR: 292821	TIN: 445-013-228			

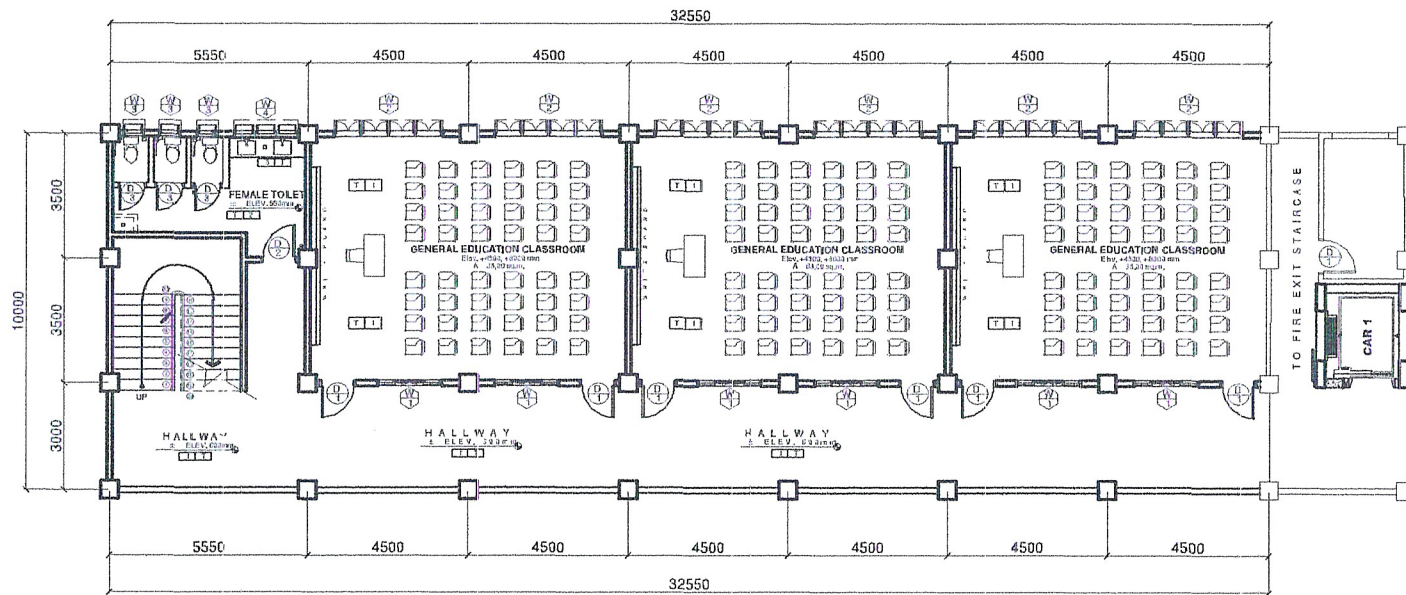
PERIMETER FENCE

CAIS

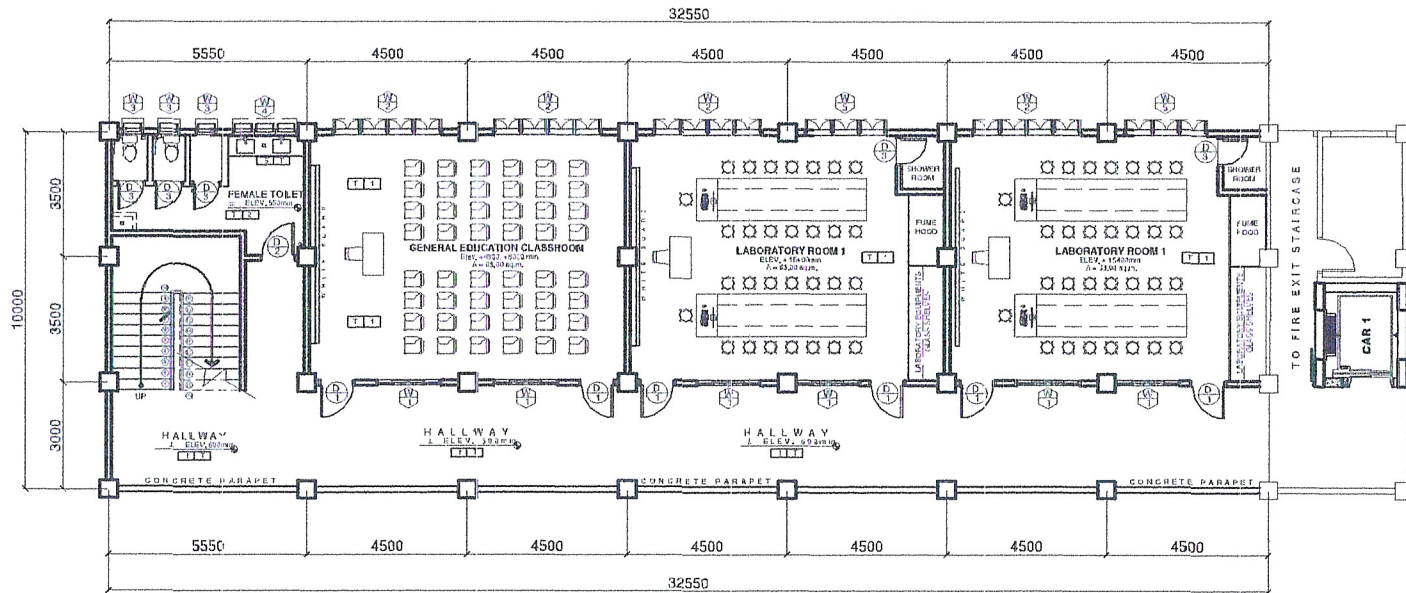


GROUND FLOOR PLAN
SCALE: 1:100 MTRS

	DESIGNED BY: ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	PROJECT TITLE: CONSTRUCTION OF THE BIOLOGY DEPARTMENT SCHOOL INFRASTRUCTURE/ EDIFICE	REQUESTIONER: DR. MOHAMMAD NUR S. PASPASAN DEAN, COLLEGE OF SCIENCE AND MATHEMATICS	RECOMMENDING APPROVAL: ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	RECOMMENDING APPROVAL: DR. JOSELO D. MADRONAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY: DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	SHEET CONTENTS: PERSPECTIVE DRAFTED BY: AR, JPT	SHEET NO. A02 02/04	
PRC: 0010577	PTR: 2932291	TIN: 445-013-228	LOCATION: WMSU LOT -2, NORMAL ROAD, BALIWALAN, ZAMBOANGA CITY	PRC: 0010577	PTR: 2932291	TIN: 445-013-228			

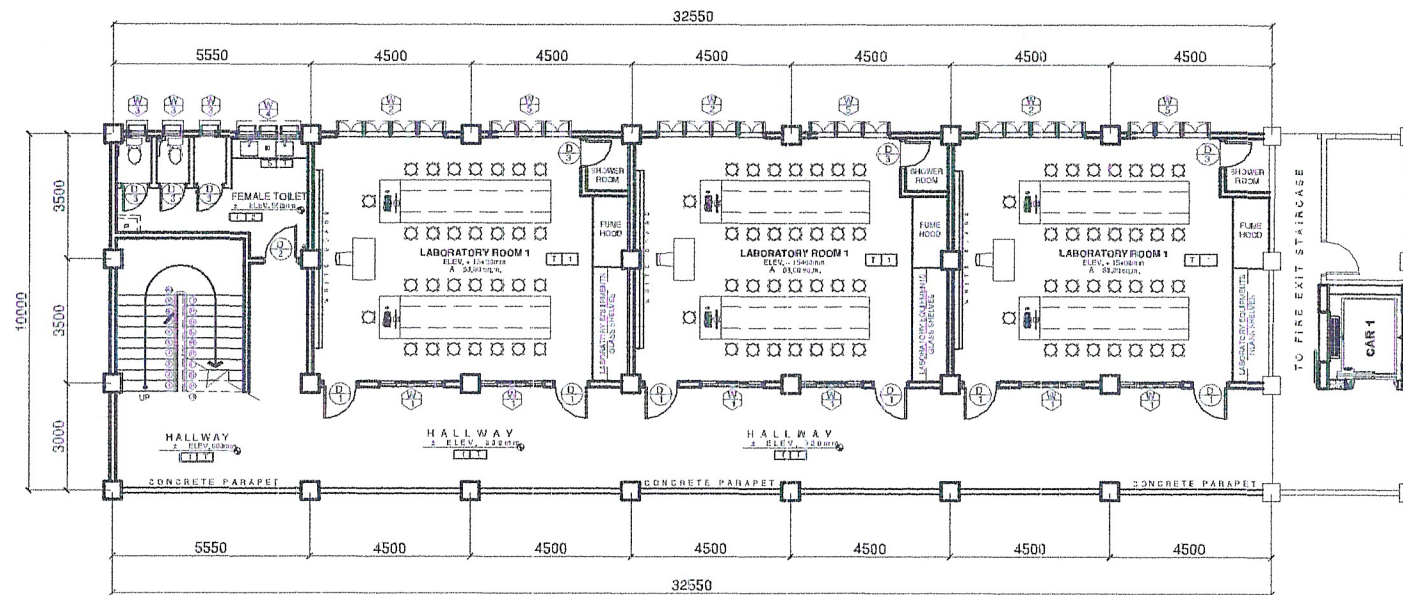


SECOND FLOOR PLAN
SCALE: 1:100 METERS

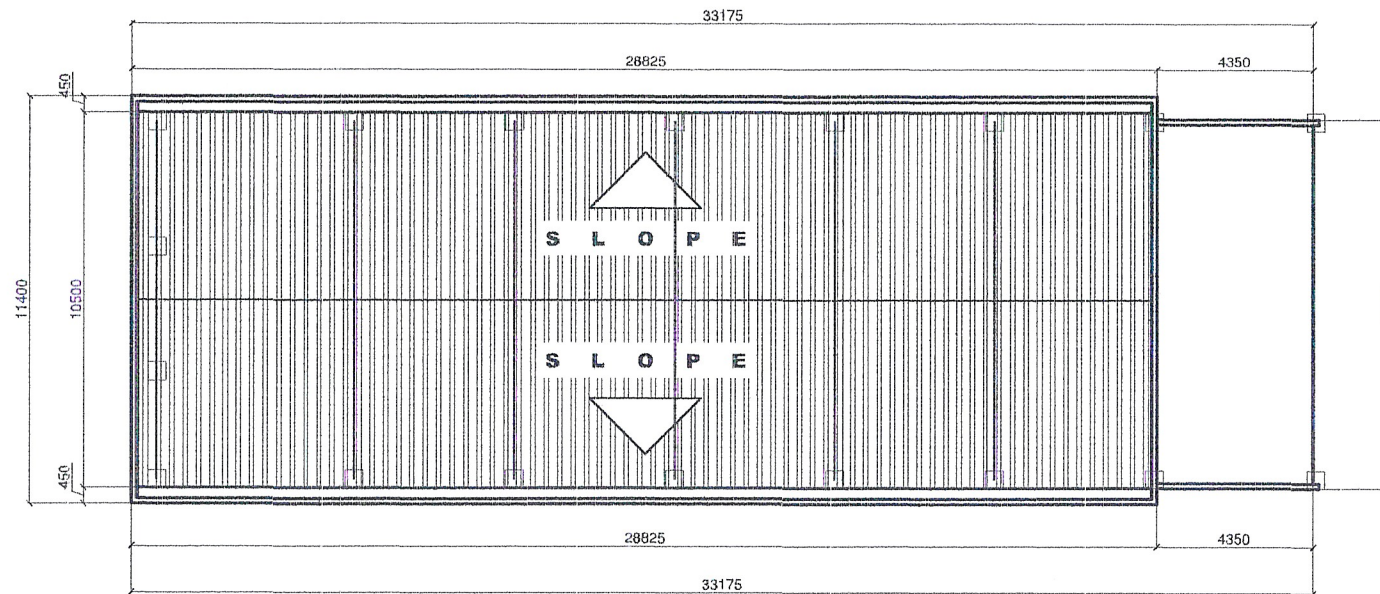


THIRD FLOOR PLAN
SCALE: 1:100 METERS

	DESIGNED BY:	PROJECT TITLE:	REQUESTIONER:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.	
	ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	CONSTRUCTION OF THE BIOLOGY DEPARTMENT SCHOOL INFRASTRUCTURE/EDIFICE	DR. MOHAMMAD NUR S. PASPASAN DEAN, COLLEGE OF SCIENCE AND MATHEMATICS	ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSE LITO D. MADRONAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA VMSU-PPRESIDENT	PERSPECTIVE DRAFTED BY: AR, JPT	A03 03/04	
PRC: 0010577 PTR: 2929291 TIN: 445-013-228	LOCATION: WMSU LOT - 2, NORMAL ROAD, BALIWASAN, ZAMBOANGA CITY								



326 SQM
FOURTH FLOOR PLAN
SCALE: 1:100 NTRS



50 SQM
ROOF DECK PLAN
SCALE: 1:100 MTRS





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Zamboanga City
PHYSICAL PLANT AND ENGINEERING SERVICES



BILL OF ESTIMATED MATERIALS

Project Title: **CONSTRUCTION OF THE BIOLOGY DEPARTMENT SCHOOL INFRASTRUCTURE/EDIFICE**

Location: **WMSU Main Campus B, Normal Road, Baliwasan, Zamboanga City**

SCOPE OF WORK

ITEM NO.	DESCRIPTION	LABOR	MATERIAL	EQUIPMENT	TOTAL
B	GENERAL REQUIREMENTS	₱ 104,341.71	₱ 70,952.36	₱ 242,072.76	₱ 417,366.83
ITEM 801	REMOVAL OF STRUCTURE AND OBSTRUCTIONS	₱ 184,684.82	₱ -	₱ 1,554,343.63	₱ 1,739,028.45
ITEM 803	STRUCTURE EXCAVATION	₱ 60,963.38	₱ -	₱ 912,892.55	₱ 973,855.93
ITEM 804	EMBANKMENT	₱ 155,430.19	₱ 407,951.03	₱ 44,956.13	₱ 608,337.36
ITEM 900	REINFORCED CONCRETE	₱ 905,772.25	₱ 2,757,356.29	₱ 1,219,740.75	₱ 4,882,869.29
ITEM 901	PLAIN/LEAN CONCRETE	₱ 58,822.64	₱ 136,870.23	₱ 65,161.40	₱ 260,854.27
ITEM 902	REINFORCING STEEL	₱ 1,384,407.86	₱ 3,321,117.20	₱ 514,715.74	₱ 5,220,240.81
ITEM 903	FORMWORKS AND FALSEWORKS	₱ 33,681.50	₱ 365,675.95	₱ 226,692.79	₱ 626,050.24
ITEM 1000	TERMITE CONTROL WORKS	₱ 38,558.55	₱ 96,382.49	₱ 3,858.63	₱ 138,799.67
ITEM 1001	STORM DRAINAGE AND SEWERAGE	₱ 55,048.93	₱ 137,601.48	₱ 15,710.41	₱ 208,360.81
ITEM 1002	PLUMBING WORKS	₱ 55,391.83	₱ 145,546.81	₱ 344,793.69	₱ 545,732.33
ITEM 1003	CARPENTRY AND JOINERY WORKS	₱ 225,035.96	₱ 562,508.90	₱ 22,519.80	₱ 810,064.66
ITEM 1006	STEEL DOORS AND FRAMES	₱ 86,502.75	₱ 216,256.88	₱ 27,655.77	₱ 330,415.41
ITEM 1007	ALUMINUM FRAMED GLASS DOORS	₱ 121,019.40	₱ 302,548.49	₱ 38,691.08	₱ 462,258.97
ITEM 1008	ALUMINUM GLASS WINDOWS	₱ 107,221.54	₱ 252,240.86	₱ 5,733.58	₱ 365,195.97
ITEM 1010	WOODEN DOORS AND WINDOWS	₱ 81,824.04	₱ 220,444.31	₱ -	₱ 302,268.35
ITEM 1013	CORRUGATED METAL ROOFING	₱ 15,369.65	₱ 38,418.59	₱ 1,538.07	₱ 55,326.31
ITEM 1014	PREPAINTED METAL SHEETS	₱ 122,477.28	₱ 247,553.94	₱ 12,232.44	₱ 382,263.66
ITEM 1016	WATERPROOFING	₱ 125,131.65	₱ 274,522.29	₱ -	₱ 399,653.94
ITEM 1018	CERAMIC/GRANITE TILES	₱ 536,054.89	₱ 1,123,057.15	₱ 44,813.23	₱ 1,703,925.28
ITEM 1021	CEMENT FLOOR FINISH	₱ 86,441.54	₱ 181,098.60	₱ 7,226.36	₱ 274,766.50
ITEM 1027	CEMENT PLASTER FINISH/DECORATIVE STONE	₱ 281,678.73	₱ 502,212.95	₱ 12,260.75	₱ 796,152.43
ITEM 1032	PAINTING, VARNISHING, AND OTHER RELATED WORKS	₱ 233,820.45	₱ 584,466.96	₱ 23,398.88	₱ 841,686.29
ITEM 1033	METAL DECK	₱ 245,641.92	₱ 672,753.36	₱ 42,269.24	₱ 960,664.52
ITEM 1038	REFLECTIVE INSULATION	₱ 35,592.92	₱ 85,735.23	₱ 3,559.29	₱ 124,887.45
ITEM 1039	ALUMINUM CLADDING	₱ 138,774.47	₱ 334,276.05	₱ 13,677.45	₱ 486,927.97
ITEM 1043	PVC DOORS AND FRAMES	₱ 19,732.98	₱ 45,455.10	₱ 4,050.45	₱ 69,238.54
ITEM 1045	ALUMINUM PANEL	₱ 94,168.39	₱ 226,830.18	₱ 9,416.84	₱ 330,415.41
ITEM 1046	MASONRY WORKS	₱ 178,887.60	₱ 447,218.99	₱ 6,899.77	₱ 633,006.36
ITEM 1047	METAL STRUCTURES	₱ 233,595.00	₱ 512,448.21	₱ 558,228.13	₱ 1,304,271.34
ITEM 1051	RAILINGS	₱ 92,623.06	₱ 231,557.64	₱ 145,034.38	₱ 469,215.08
ITEM 1100	CONDUITS, BOXES, & FITTINGS (CONDUIT WORKS/CONDUIT ROUGH-IN)	₱ 39,059.17	₱ 64,959.93	₱ -	₱ 104,019.10
ITEM 1101	WIRES AND WIRING DEVICES	₱ 114,775.88	₱ 459,103.51	₱ -	₱ 573,879.39
ITEM 1102	POWER LOAD CENTER, SWITCHGEAR AND PANELBOARDS, AND OTHER OVERCURRENT PROTECTION DEVICES	₱ 135,401.54	₱ 1,218,613.83	₱ -	₱ 1,354,015.36
ITEM 1103	LIGHTING FIXTURES AND LAMPS	₱ 64,653.15	₱ 474,123.07	₱ -	₱ 538,776.22
ITEM 1104	AUXILIARY SYSTEM	₱ 68,270.73	₱ 361,821.30	₱ 21,732.77	₱ 451,824.79
ITEM 1106	CCTV SYSTEM	₱ 61,355.64	₱ 256,458.00	₱ 12,588.31	₱ 330,401.96
ITEM 1200	AIRCONDITIONING AND VENTILATING SYSTEM	₱ 41,720.55	₱ 792,690.50	₱ -	₱ 834,411.05
ITEM 1201	WATER PUMPING SYSTEM	₱ 32,162.71	₱ 71,856.40	₱ -	₱ 104,019.10

ITEM 1202	FIRE PROTECTION SPRINKLER SYSTEM (AFSS)	₱	119,149.54	₱	290,346.19	₱	7,548.50	₱	417,044.23
ITEM 1203	ELECTRIC ELEVATOR	₱	-	₱	1,443,071.01	₱	-	₱	1,443,071.01
ITEM 1208	FIRE ALARM SYSTEM	₱	50,331.67	₱	222,559.90	₱	5,030.39	₱	277,921.95
ITEM 1705	FILL AND BACKFILL	₱	104,658.99	₱	188,823.61	₱	516,571.50	₱	810,054.10
ITEM 1728	SUPPLY AND DELIVERY	₱	-	₱	817,030.35	₱	-	₱	817,030.35
								₱	34,780,569.00

SUMMARY

A	TOTAL MATERIAL COST	₱	21,162,516.12
B	TOTAL LABOR COST	₱	6,930,237.43
C	TOTAL EQUIPMENT COST	₱	6,687,815.45
D	CONTINGENCIES	₱	3,478,056.90
E	CONTRACTOR'S PROFIT	₱	2,782,445.52
F	MOBILIZATION/DEMOBILIZATION	₱	470,000.00
G	VAT	₱	4,924,928.57
	1.2% ADMIN COST	₱	564,000.00
	TOTAL PROJECT COST	₱	47,000,000.00

Estimated by:

Ar. Chelsea Laine F. Riego, RMP
Architect I

Recommending Approval By:

Arch. Joseph Andrew L. Sahial, Uap
Director-PPES/University Architect

Approved by:

Ma. Carla A. Cenotorena, RN, Ph.D
University President