Republic of the Philippines
Benguet State University
La Trinidad, 2601, Benguet Province
Tel/Fax No. 619-1839

BAGONG PILIPINAS

Bids and Awards Committee (BAC) – Infrastructure

INVITATION TO SUBMIT QUOTATION

November 7, 2024

Reference Number: **2024-1540**
Name of Project**: EXTENSION OF THE VETERINARY TEACHING HOSPITAL BUILDING**
Project Location: BSU Compound, Km 5, Balili, La Trinidad, Benguet
Approved Budget for the Contract (ABC): Php. 2,000,000.00
Contract Duration: 140 calendar days
Source of Fund: IGI Fund- FY 2024

I. Introduction:

A. The Benguet State University, through the Bids and Awards Committee (BAC) will undertake Negotiated Procurement- Two Failed Biddings for the above stated project, thus, inviting registered contractors with valid license issued and classified by the Philippine Contractors Accreditation Board (PCAB. The project has an area of 138.38 sq.m. extension at the back of the existing Veterinary Teaching Hospital. The scope of work includes siteworks, plain and reinforced concrete works, masonry works, structural steel works, roofing works, electrical works, plumbing works, architectural finishings and fire safety.

B. Prospective Bidders must have key personnel and equipment (owned, leased or under leased agreement) available for the prosecution of the project.

II. Scope of Work

Item No.	Scope of Work
A.	General Requirement (Permits and Clearances; Project Billboard; Occupational Safety and Health Program; Mobilization/Demobilization; Clearing, Grubbing and Cleaning; Structural Excavation-Common Soil; Gravelling Bedding for sale of Slab on fill)
B.	Plain and Reinforced Concrete Works (Structural concrete for footings and slab on fill; Reinforcing Steel of Reinforced Concrete; Formworks and Falseworks)
C.	Masonry Works (CHB including reinforcing steel; Cement Plaster Finish)
D.	Structural Steel Works – Welding Works (Roof Trusses; Exterior Wall Framing; Painting)
E.	Roofing Works (Roofing sheets and Accessories; Wall Enclosure)
F.	Electrical Works (conduits and boxes; wires and wiring devices; electrical fixtures; panel board/ breakers)
G.	Plumbing Works (Pipe lines; Plumbing Fixtures)
H.	Architectural Finishings (Ceiling works; dry wall partition; tile works; kitchen counter and cabinetry including floating shelf; aluminum windows; doors; painting of walls)
I.	Fire Safety

III. Technical Personnel Required- The key personnel must meet the required minimum of years of experience of at least three (3) years general and relevant experience. The key personnel must have valid PRC licenses/ certificates and PTR.

a. 1 - Site Engineer/ site Architect
b. 1 - Safety Officer/ Practitioner – part time (with COSH training from accredited provider)
c. 1 – Registered Master Plumber
d. 1 – Electrical Engineer/ Registered Master Electrician

e. 1- Construction Foreman

IV. List of Equipment – must be in good condition
   a. 1 – One Bagger Mixer
   b. 1- Bar Bender
   c. 1 – Bar Cutter
   d. 2 – Welding Machine
   e. 1 – Plate Compactor – 5 HP

V. Eligibility Requirements (must be updated)- All eligibility requirements will be used for procurement purposes only.
   a. PhilGEPS Registration (must be Platinum)- with complete annexes
   b. Business Permit
   c. PCAB License
   d. Computation of Net Financial Contracting Capacity (NFCC)- ***Please see attached sample***
   e. Income and Business Tax Returns
   f. Audited Financial Statements
   g. Certificate of Site Inspection
   h. Omnibus Sworn Statement
   i. List of Technical Personnel with updated PRC licenses, PTR and accreditation
   j. List of Equipment with proof of ownership

VI. Procurement Activities:
   a. Issuance of bid documents:
   Interested bidders/ contractors can get a copy of the plans and designs, bill of quantities of the project **starting November 10, 2024** during office hours at the Procurement Management Office (PMO), 1st Floor, Administration Building, BSU, La Trinidad, Benguet

   b. Deadline for Submission of Quotation
   Quotation is to be submitted in a sealed envelope with the eligibility requirements on or before **November 18, 2024** at 1:30 PM at the Procurement Management Office (PMO), 1st Floor, Administration Building, BSU, La Trinidad, Benguet.

   c. Opening of Quotation
   November 18, 2024 at 2:00 PM at the RDC Conference Hall, 2/F BSU Administration Building, La Trinidad, Benguet.

VII. For further information, please refer to:

BAC Secretariat Committee
Procurement Management Office
Benguet State University-La Trinidad Campus
1/F Administration Building
Tel No. 661-1839; 0950-603-2749
Email: procurement@bsu.edu.ph

VIII. You may visit the following websites:
For downloading of Bidding Documents: *www.bsu.edu.ph/bids-awards*

Sgd
SAMUEL S. POLIDEN
Chairperson
Bids and Awards Committee

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BENGUET STATE UNIVERSITY

La Trinidad, Benguet, Philippines 2601
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BAGONG PILIPINAS

BILL OF QUANTITIES

PROJECT TITLE:	**Proposed Extension at the southern part of the Veterinary Teaching Hospital**
PROJECT LOCATION :	**Bsu Compound, Balili,km.5, La Trinidad, Benguet**
TOTAL PROJECT COST :	**Php. 2,000,000.00**
PROJECT DURATION:	**140 C.D.** INCLUSIVE OF: **9** UNWORKABLE DAYS
IMPLEMENTATION MODE:	**BY CONTRACT**

PROJECT DESCRIPTION	EQUIPMENT NEEDED		TECHNICAL PERSONEL	
	NO.	DESCRIPTION	NO.	DESCRIPTION
The project is propose 138.38 square meters extension at the back of the existing veterinary teaching hospital.	1	One- Bagger Mixer	1	Site Engineer/ Site Architect
	1	Bar Bender	1	Part time Safety Officer
	1	Bar Cutter	1	Construction Foreman
	2	Welding Machine	1	Electrical Engineer/ Registered Master Electrician
	1	Plate Compactor (5 Hp)	1	Registered Master Plumber

ITEM NO.	DESCRIPTION	% WEIGHT	QUANTITY	UNIT	UNIT COST	TOTAL COST
I.	**GENERAL REQUIREMENTS and SITE WORKS**					
a.	*Mobilization and Demobilization*					
b.	*Permits and Clearances*					
c.	*Poject Billboard and Signboard*					
d.	*Occupational Safety and Health Program*					
e.	*Clearing, Grubbing and Cleaning*					
f.	*Temporary Facilities and Utilities*					
g.	*Structural Excavation-Common Soil*					
h.	*Embankment from Structure Excavation*					
i.	*Gravelling Bedding for base of Slab on fill*					
II.	**PLAIN and REINFORCED CONCRETE WORKS**					
a.	*Structural Concrete for footings and Slab on fill (Class A 3500 psi at 28 days)*					
b.	*Reinforcing Steel of Reinforced Concrete*					
c.	*Formworks and Falseworks*					
II.	**MASONRY WORKS**					
a.	*CHB (non-load bearing/load bearing) including reinforcing steel*					
b.	*Cement Plaster Finish*					
III.	**STRUCTURAL STEEL WORKS (Welding Works)**					
a.	*Roof Trusses, Web members and Lally Columns)*					
b.	*Exterior Wall Framing*					
c.	*Painting (trusses, members and exterior wall framing)*					
IV.	**ROOFING WORKS**					
a.	*Roofing Sheets and Accessories*					
b.	*Wall enclosure*					
V.	**ELECTRICAL WORKS**					

a.	*Conduits and Boxes*					
b.	*Wires and Wiring Devices*					
c.	*Electrical Fixtures*					
d.	*Panel Board/ Boxes/ Breakers*					
VI.	**PLUMBING WORKS**					
a.	*Pipe Lines*					
b.	*Plumbing Fixtures*					
VII.	**ARCHITECTURAL FINISHINGS**					
a.	*Ceiling Works*					
b.	*Dry wall partition*					
c.	*Tileworks (Unglazed Floor Tiles)*					
d.	*Tileworks (glazed wall tiles)*					
e.	*Kitchen counter and Cabinetry including floating shelf*					
f.	*Aluminum Windows*					
g.	*Doors*					
h.	*Painting (Ceiling and Interior walls, exterior walls masonry)*					
VIII	**FIRE SAFETY**					
TOTAL ESTIMATED PROJECT COST		**0.00%**				**0.00**

	BREAKDOWN OF ESTIMATED PROJECT COST		**TOTAL COST**
A.	**DIRECT COST**		
	EQUIPMENT LABOR MATERIALS		
B.	**INDIRECT COST**		
	OCM CONTRACTOR'S PROFIT TAXES		
C.	**PROJECT COST(TOTAL A+B)**		
	TOTAL PROJECT COST (TPC)		**0.00**

Total Bid Cost (in Figures)

Total Bid Cost in (Words)

I HEREBY SUBMIT THE FOREGOING; AND THAT I UNDERSTAND THE TERMS AND CONDITIONS AND THE CONTENT.

NAME OF BIDDER:
NAME OF FIRM:
DATE:

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Project	**PROPOSE EXTENSION AT THE SOUTHERN PART (REAR) OF THE VETERINARY TEACHING HOSPITAL**
Owner	BENGUET STATE UNIVERSITY
Location	BSU Compound, Km. 5, Balili, La Trinidad, Benguet

ITEM No.	Detailed Unit Price Analysis						
I.	GENERAL REQUIREMENTS and SITE WORKS						
a.	Mobilization and Demobilization	***1 lot***					
1	*material & description*	*quantity*		*unit cost*		*amount*	
2	*labor*	*no.*	*daily rate*			*amount*	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	Truck	1	unit		/day	-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*			
6	*Contractor's Profit*			*of item 4*			
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		***-***		*cost per item*
b.	Permits and Clearances	***1***	***l.s.***				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Permits and Clearances	1	ls		/l.s.	-	
2	*labor*	*no.*	*daily rate*			*amount*	-
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		***-***		*cost per item*
c.	Poject Billboard and Signboard	***1***	***lot***				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Printed Tarpulin (8ft x 8ft)	5.94	sq.m.		/sq.m.	-	
	Good lumber	39.5	bd.ft.		/bd.ft	-	
	Assorted CWN	1	kg		/kg	-	
2	*labor*	*no.*	*daily rate*			*amount*	-
	Skilled laborer	1		/day		-	
	Unskilled laborer	1		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		***-***		*cost per item*

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d.	Occupational Safety and Health Program	**1**	**lot**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	assorted warning and safety signages	1	lot		/lot	-	
	canvass (for jobsite perimeter enclosure/fencing)	1	roll		/roll	-	
	vest	9	pcs.		/pc.	-	
	safety shoe/ boots	9	pcs.		/pc.	-	
	safety gloves	9	pcs.		/pc.	-	
	skull guard/ hard hat	9	pcs.		/pc.	-	
	safety harnes	9	pcs.		/pc.	-	
	first aid kit	1	unit		/unit	-	
	fire extinguisher, 5lbs. (refill)	1	unit		/unit	-	
2	*labor*	*no.*	*daily rate*			*amount*	-
	Safety Officer (Part-time)			/day		0	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
		production rate				***days to complete***	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*			
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
e.	Clearing, Grubbing and Cleaning	***138.38***	***sq.m.***				
1	*material & description*	*quantity*		*unit cost*		*amount*	
2	*labor*	*no.*	*daily rate*			*amount*	-
		production rate		***sq.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
f.	Temporary Facilities and Utilities	**1**	**lot**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Assorted Construction Materials	1	lot		/lot	-	
	Assorted CWN	2	kg.		/kg.		
2	*labor*	*no.*	*daily rate*			*amount*	-
		production rate		***cu.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*

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g.	Structural Excavation-Common Soil	**15.27**	**cu.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	
2	*labor*	*no.*	*daily rate*			*amount*	-
		production rate		***cu.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
h.	Embankment from Structure Excavation	**37.38**	**cu.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	
2	*labor*	*no.*	*daily rate*			*amount*	-
		production rate		***cu.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
i.	Gravelling Bedding for base of Slab on fill	**5.35**	**cu.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Gravel bedding (G1) with 5% shrinkage factor ; 50 mm thick on compacted soil	5.35	m^3		/m^3	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***cu.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***cu.m./unithour***		***days to complete***	
	Plate Compactor	*1*		/day		-	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*

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II.	PLAIN and REINFORCED CONCRETE WORKS						
a.	Structural Concrete for footings and Slab on fill (Class A 3500 psi at 28 days)	**16.91**	***cu.m.***				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	cement	169.00	bags		/bag	-	
	sand	9.29	cu.m.		/cu.m.	-	
	gravel	17.00	cu.m.		/cu.m.	-	
	CHB (load bearing) of wall footing	227.00	pcs.		/pc.	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***cu.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	One Bagger Mixer (4-6 cu.ft/min)			/day		-	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
b.	Reinforcing Steel of Reinforced Concrete	**326.02**	***kgs***				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	10mm diameter by 6000m reinforcing steel bar (grade 33)	121.00	kgs.		/kg.	-	
	12mm diameter by 6000m reinforcing steel bar (grade 40)	34.38	kgs.		/kg.	-	
	16mm diameter by 6000m reinforcing steel bar (grade 40)	170.64	kgs.		/kg.	-	
	No. 16 G.I. Tire Wire	5.20	kgs.		/kg.	0	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***kg./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
c.	Formworks and Falseworks	**20.28**	***sqm.***				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	19mm x 1.2m x 2.4m Phenolic Board (3 uses)	8	pcs.		/pc.	-	
	2"x 3" Good Lumber	24	bd.ft.		/bd.ft	-	
	assorted CWN	4	kg.		/kg.	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***sq.m./manhour***		***days to complete***	
	Skilled laborer	1		/day		-	
	Unskilled laborer	1		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)					-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*

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II.	MASONRY WORKS						
a.	*CHB (non-load bearing/load bearing) including reinforcing steel*	***34.17***	***sq.m.***				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	100mm thk. CHB	427	pcs.		/pc.	-	
	cement	20	bags		/bag	-	
	sand	2.00	m^3		/m^3	-	
	12mm diameter x 6m reinforcing steel	58.54	kgs.		/kgs.	-	
	No. 16 G.I. Tire Wire	5.00	kgs.		/kg.	-	
2	*labor*	*no.*			*no of days*	*amount*	-
		production rate		***sqm./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*		*daily rental*	*no of days*	*amount*	-
	minor tools (10% of Labor Cost)					-	
	Total Direct Cost (1 + 2 + 3)				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
b.	*Cement Plaster Finish*	**68.34**	**sq.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	cement	23.00	bags		/bag	-	
	sand	1.50	m^3		/m^3	-	
2	*labor*	*no.*		*daily rate*	*no of days*	*amount*	-
		production rate		***m^2/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*		*daily rental*	*no of days*	*amount*	-
	minor tools (10% of Labor Cost)					-	
	Total Direct Cost (1 + 2 + 3)				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
III.	STRUCTURAL STEEL WORKS (Welding Works)						
a.	*Roof Trusses, Web members and Lally Columns)*	**360.64**	**l.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	2" x 2" x 1/4 " thick ANGLE BAR	65.00	pcs.		/pc.	-	
	4" diameter G.I. pipe schedule 40	12.00	pcs.		/pc.	-	
	200mm x 200mm x 10mm steel base plate	12.00	pcs.		/pc.	-	
	16mm dia. Anchor bolt with nut and washer	48.00	sets		/set	-	
	welding rod	8.00	kg.		/kg.	-	
	consumables (5% of Material Cost)	1	lot		/lot	-	
2	*labor*	*no.*		*daily rate*	*no of days*	*amount*	-
		production rate		***lm./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	5		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*		*daily rental*	*no of days*	*amount*	-
	scaffoldings/ H-frames, set	20		/day		-	
	Welding Machine			/day		-	
	minor tools (10% of Labor Cost)					-	
	Total Direct Cost (1 + 2 + 3)				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*

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b.	Exterior Wall Framing	**313.12**	**l.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	2" x 2" x 6000mm square tubulars	52.00	pcs.		/pc.	-	
	welding rod	5.00	kg.		/kg.	-	
2	*labor*	*no.*		*daily rate*	*no of days*	*amount*	-
		production rate		***lm/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*		*daily rental*	*no of days*	*amount*	-
		output rate				***days to complete***	
	Welding Machine			/day		-	
	minor tools (10% of Labor Cost)	0.1				-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
c.	Painting (trusses, members and exterior wall framing)	**417.04**	**l.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Red oxide metal primer (2 coats only)	10.00	gal.		/gal.	-	
	consumables (5% of Material Cost)	1	lot		/lot	-	
2	*labor*	*no.*		*daily rate*	*no of days*	*amount*	-
		production rate		***m²/manhour***		***days to complete***	
	Leadman	1	0	/day		-	
	Skilled laborer	1	0	/day		-	
	Unskilled laborer	2	0	/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*		*daily rental*	*no of days*	*amount*	-
		output rate		***m²/unithour***		***days to complete***	
	scaffoldings/ H-frames, set	20	16.00	/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
IV.	ROOFING WORKS						
a.	*Roofing Sheets and Accessories*	**151.36**	**sq.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	0.5 mm thick x 4ft width pre painted rib-type long span green metal roofing	184.54	l.m		/lm.	-	
	1.2mm x 2" x 3" C-Purlins	54.00	pcs.		/pc.	-	
	0.5 mm thick x 18 " x 8ft. pre-painted metal gutter	11.00	pcs.		/pc.	-	
	0.5 mm thick x 18" x 8ft pre-painted metal flashing with ridge roll	9.00	pcs.		/pc.	-	
	5mm x 50 meters insulation foam single	1	roll		/roll	-	
	1/2" diameter x 4ft x 90 ft chickenwire mesh	1	roll		/roll	-	
	consumables (5% of Material Cost)	1	lot		/lot	-	

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2	*labor*	*no.*	*daily rate*		*no of days*		-
		production rate		***sq.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
	scaffoldings/ H-frames, set	20		/day		-	
	minor tools (10% of Labor Cost)					-	
	Total Direct Cost (1 + 2 + 3)				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*
b.	*Wall enclosure*	**62.8**	**sq.m**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	0.5 mm thick x 4ft width pre painted mini rib-type off-white metal sheet	121.75	l.m		/lm.	-	
	0.5 mm thick x 18" x 8ft pre-painted steel wall flashing	6.00	pcs.		/pc.	-	
	consumables (5% of Material Cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***lm/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
	scaffoldings/ H-frames, set	20		/day		-	
	minor tools (10% of Labor Cost)					-	
	Total Direct Cost (1 + 2 + 3)				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*
V.	ELECTRICAL WORKS						
a.	Conduits and Boxes	**125**	**l.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	20mm (3/4") x 1200mm PVC moulding conduit pipe	93	pcs.		/pc.	-	
	junction box(surface type)	12	pcs.		/pc.	-	
	utility box (surface type)	16	pcs.		/pc.	-	
	secondary rock spool	1	set		/set	-	
	conduit fittings	1	lot		/lot	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***lm/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		no of days	*amount*	-
		output rate		***lm/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*

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b.	Wires and Wiring Devices	**150**	**l.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	5.5 mm² dia. THHN wire	20	l.m.		/ln.m.	-	
	3.5 mm² dia. THHN wire	60	l.m.		/ln.m.	-	
	2.0mm² dia. THHN wire	70	l.m.		/ln.m.	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***lm/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	1		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***unit/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
c.	Electrical Fixtures	**31**	**sets**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	One-gang switch,flush type, 10A, 230V (surface type)	5	set		/set	-	
	Three-gang switch, flush type, 10A, 230V (surface type)	1	set		/set	-	
	Duplex universal convenience outlet, flush type, 10A, 230V (surface type)	9	set		/set	-	
	2-T-8 LED lights with housing and diffuser	8	set		/set	-	
	5-watt round LED Pin light (recessed)	7	set		/set	-	
	ceiling mounted exhaust vent 8" x 8" incl. pipe and accessories	1	set		/set	-	
	consumables (5% of material cost)	1	lot		lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***unit/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	1		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***unit/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
d.	Panel Board/ Boxes/ Breakers	**6**	**sets**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Panel Board with Main Breaker and 6 Branches 2 poles	1	set		/set	-	
	Circuit Breaker, plug-in, 60A/230V *(main)*	1	set		/set	-	
	Circuit Breaker, plug-in, 30A/230V	1	set		/set	-	
	Circuit Breaker, plug-in, 20A/230V	2	set		/set	-	
	Circuit Breaker, plug-in, 15A/230V	1	set		/set	-	
	consumables (5% of material cost)		lot		lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
	5.50hrs/ panel board	***production rate***		***set/manhour***		***days to complete***	
	Leadman	1		/day		0.00	
	Skilled laborer	1		/day		0.00	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***set/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*

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VI.	PLUMBING WORKS						
a.	Pipe Lines	**25**	**l.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	(4")-100mm dia. X 3000mm PVC pipe, s-1000	5	pcs.		/pc.	-	
	(1/2")-20mm dia. X 3000mm PPR pipe, PN20	6	pcs.		/pc.	-	
	1/2 " diameter brass gate valve	1	unit		/unit	-	
	assorted fittings	1	lot		/lot	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	*labor (cut, fabricate, instalaltion)*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***lm/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***lm/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
b.	Plumbing Fixtures	**11**	**units**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	lavatory sink ,wall-hung with basin top stainless faucet including fittings and accessories	2	units		/unit	-	
	stainless kitchen sink with drainboard (800 mm x 450 mm) *best quality including fittings and accessories*	1	units		/unit	-	
	water closet, lever type with seat cover *best quality with assorted fittings and accessories*	2	units		/unit	-	
	shower head with faucet	2	units		/unit	-	
	stainless floor drain with insect proof and odor trap	4	units		/unit	-	
	12 drums stainless steel water tank with elevated steel stand (at least 1.5 meters)	1	units		/unit	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***unit/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate	***1***	***unit/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
VII.	ARCHITECTURAL FINISHINGS						
a.	Ceiling Works	**135.34**	**sq.m**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Interior ceiling-4.5 mm thick Fiber Cement Board	34	pcs.		/pc.	-	
	eaves-4.5 mm thick Fiber Cement Board (slotted/perforated)	12	pcs.		/pc.	-	
	25mm x 3000mm x .5 mm thick Wall Angle	55	pcs.		/pc.	-	
	12mm x 38mm x 5000mm x .5mm thick Carrying Channel	46	pcs.		/pc.	-	
	19mm x 50mm x 5000mm x .5mm thick Double Metal Furring	50	pcs.		/pc.	-	
	consumables (5% of material cost)	1	lot		/lot	-	

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2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***sq.m./manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m^2/manhour***		***days to complete***	
	scaffoldings/ H-frames	40		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*
b.	Dry wall partition	**72.00**	**sq.m.**				
	****Interior walls activity area and pantry*	*41.84*	*sq.m.*				
	****male and female quarters*	*30.16*	*sq.m.*				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	4.5 mm thick Fiber Cement Board	25	pcs.		/pc.	-	
	.4mm thick x 50mm x 75mm x 3m metal track	8	pcs.		/pc.	-	
	.4mm thick x 50mm x 75mm x 3m metal stud	51	pcs.		/pc.	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m^2/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled Laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m^2/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*
c.	Tileworks (Unglazed Floor Tiles)	**146.72**	**sq.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	0.6mx 0.60m non-skid unglazed tiles (darker shade)	393	pcs.		/pc	-	
	0.4mx 0.40m non-skid unglazed tiles (lighter shade-comfort rooms)	35	pcs.		/pc	-	
	cement	34.00	bags*(40kg)*		/bag	-	
	sand	4.00	m^3		/m^3	-	
	tile adhesive	14.00	bags*(20kg)*		/bag	-	
	tile grout	15.00	bags*(5kg)*		/bag	-	
	consumables (5% of Material Cost)	1	lot		*/lot*	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m^2/manhour***		***days to complete***	
	Leadman	1		/day		-	
	skilled laborer	2		/day		-	
	unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*

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d.	Tileworks (glazed wall tiles)	**18.00**	**sq.m.**				
	****Male & Female Quarters Cr (walls) at 1.5m height*	*18.00*					
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	0.40mx 0.40m glazed wall tiles	113.00	pcs.		/pc.	-	
	cement	6.00	bag		/bag	-	
	sand	1.00	m^3		/m^3	-	
	tile adhesive	3.00	bags		/bag	-	
	tile grout	3.00	bags		/bag	-	
	consumables (5% of Material Cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m^2/manhour***		***days to complete***	
	Leadman	1		/day		-	
	skilled laborer	1		/day		-	
	unskilled laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
e.	Kitchen counter and Cabinetry including floating shelf	**1.00**	**l.s.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	3/4" thick x 1200mm x 2440mm mdf laminated wood counter	3.00	pcs.		/pc.	-	
	2" x 2" x 6000mm square tubulars	8.00	pcs.		/pc.	-	
	hardwares and accessories	1.00	lot		/lot	-	
	welding rod	3.00	kg.		/kg.	-	
	Red oxide metal primer (2 coats only)	1.00	gal.		/gal.	-	
	consumables (5% of Material Cost)	1	lot		/lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m^2/manhour***		***days to complete***	
	Leadman	1		/day		-	
	skilled laborer	1		/day		-	
	unskilled laborer	2		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate				***days to complete***	
	Welding Machine			/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
f.	Aluminum Windows	**10.92**	**sq.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	2 sets W1-2000mm x 1300mm Powder coated aluminum window, awning-sliding type	5.2	sq.m.		/sq.m.	-	
	2 sets W2-2400mm x 900mm, Powder Coated aluminum window,awning sliding type	4.32	sq.m.		/sq.m.	-	
	1 sets W3- 1800mm x 900mm , Powder Coated aluminum window, awning-sliding type	1.62	sq.m.		/sq.m.	-	
	2 set W4- 600mm x 3000mm, Powder coated aluminum window, awning type	2.6	sq.m.		/sq.m.	-	
	1 set W5- 750mm x 600mm, Powder coated aluminum window, awning type	0.9	sq.m.		/sq.m.	-	
	consumables (5% of material cost)		lot		lot	-	

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2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m²/manhour***		***days to complete***	
	Leadman	1		/day		-	
	skilled laborer	1		/day		-	
	unskilled laborer	1		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m²/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*						
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*			
6	*Contractor's Profit*			*of item 4*			
7	*Tax*		*5%*	*of item 4 + 5 + 6*			
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*
g.	Doors	**5**	**sets**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	D1- 900mm x 2100mm, Steel door with steel jamb, including lockset and accessories, slate gray	1	sets		/set	-	
	D2- 800mm x 2100mm, HDF laminated Dark wood finish with lever type handle and wood Door Jamb painted,including lockset and accessories	2	sets		/set	-	
	D3- 750mm x 2100mm, HDF laminated Dark wood finish with louvre, with lever type handle and wood Door Jamb painted, including lockset and accessories	2	sets		/set	-	
	consumables (5% of material cost)	1	lot		lot	-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m²/manhour***		***days to complete***	
	Leadman	1		/day		-	
	skilled laborer	1		/day		-	
	unskilled laborer	1		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m²/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		-		*cost per item*
h.	Painting (Ceiling and Interior walls, exterior walls masonry)	**262.78**	**sq.m.**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Primer/sealer	12	gal.		/gal.	-	
	skim coat	11	bag		/bag	-	
	Semi-glosslatex *(two coats only)*	22	gal.		/gal.	-	
	Glazing Putty *(Ceiling and Dry wall)*	7	gal.		/gal.	-	
	Cementitious Water proofing *(Comfort Rooms)*	3	gal.		/gal.	-	
	consumables (5% of material cost)	1	lot			-	

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2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m²/manhour***		***days to complete***	
	Leadman	1		/day		-	
	skilled laborer	2		/day		-	
	unskilled laborer	4		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m²/manhour***		***days to complete***	
	scaffoldings/ H-frames	20		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	-		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
VIII	FIRE SAFETY	**3.00**	**units**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	Luminous Fire Safety Signages Fire Exits	1	units		/unit	-	
	Emergency light, Best Quality	1	units		/unit	-	
	20lbs Fire Extinguisher with cabinet, best quality	1	units		/unit	-	
	consumables (3% of material cost)	1	lot			-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***in²/manhour***		***days to complete***	
	Leadman	1		/day		-	
	Skilled laborer	1		/day			
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m²/manhour***		***days to complete***	
	minor tools (10% of Labor Cost)			/day		-	
4	*Total Direct Cost (1 + 2 + 3)*				-		
5	*OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)*			*of item 4*	-		
6	*Contractor's Profit*			*of item 4*	-		
7	*Tax*		*5%*	*of item 4 + 5 + 6*	*0.00*		
8	***Total Unit Cost*** *(4 + 5 + 6 +7)*		***Php***		**-**		*cost per item*
Total Project Cost					**Php**		**-**

Prepared by:	
Name of Contractor/ Bidder	

Project Identification No. _____
Project Title: _____
ABC of the Project/Lot/Item to be Bid: _____

CERTIFICATE OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)
(Please show computation)

This is to certify that our Net Financial Contracting Capacity (NFCC) in Philippine Pesos _____ (₱ _____) is at least equal to the total ceiling price of the goods/services/works we are bidding. The amount is computed as follows:

NFCC = (CA-CL) (15) – C

Where:

CA = Current Assets

CL = Current Liabilities

C = value of all outstanding or uncompleted portions of contracts/projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract of the bid.

Issued this _____ day of _____, 20___.

(Company Authorized Representative)
NAME:
DESIGNATION:

Note: Kindly attach supporting documents

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

A F F I D A V I T

I, *[Name of Affiant]*, of legal age, *[Civil Status]*, *[Nationality]*, and residing at *[Address of Affiant]*, after having been duly sworn in accordance with law, do hereby depose and state that:

1. ***Select one, delete the other:***

   If a sole proprietorship: I am the sole proprietor or authorized representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

   If a partnership, corporation, cooperative, or joint venture: I am the duly authorized and designated representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

2. ***Select one, delete the other:***

   [If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

   [If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. *[Name of Bidder]* is not "blacklisted" *or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board,* ***by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;***

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. ***Select one, delete the rest:***

   If a sole proprietorship: The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or

the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

If a partnership or cooperative: None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

If a corporation or joint venture: None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a) Carefully examining all of the Bidding Documents;

   b) Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;

   c) Making an estimate of the facilities available and needed for the contract to be bid, if any; and

   d) Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. ***In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code***.

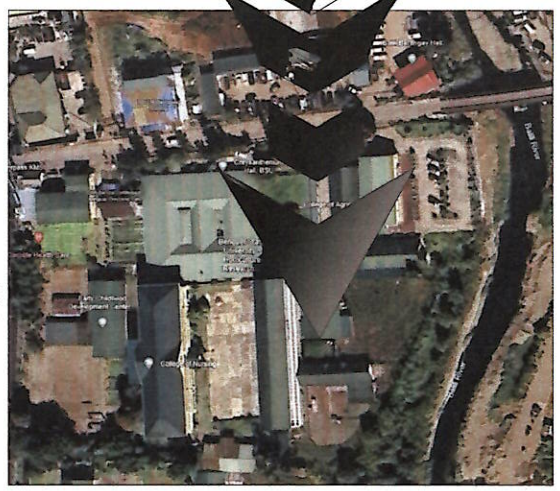
IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

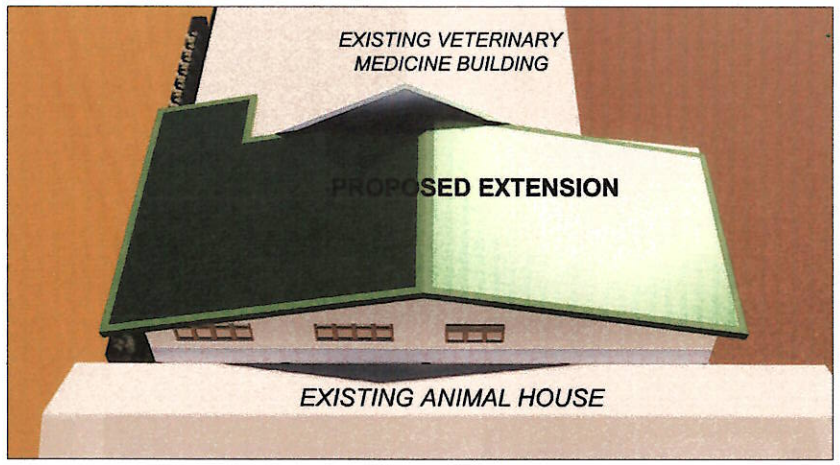
[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity] Affiant

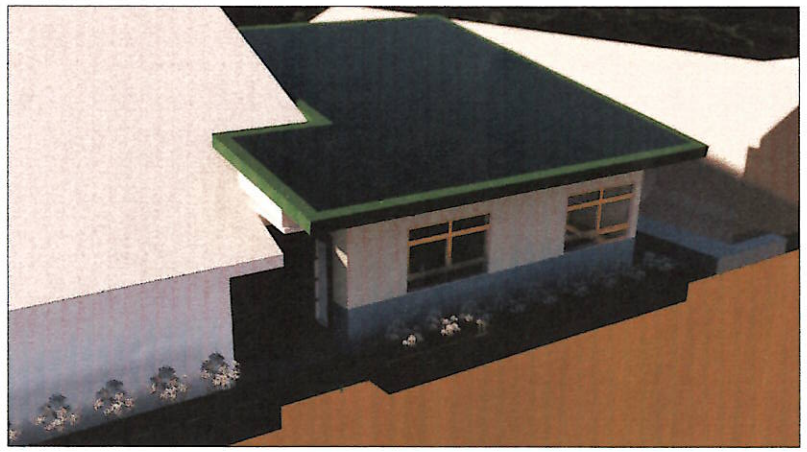
[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

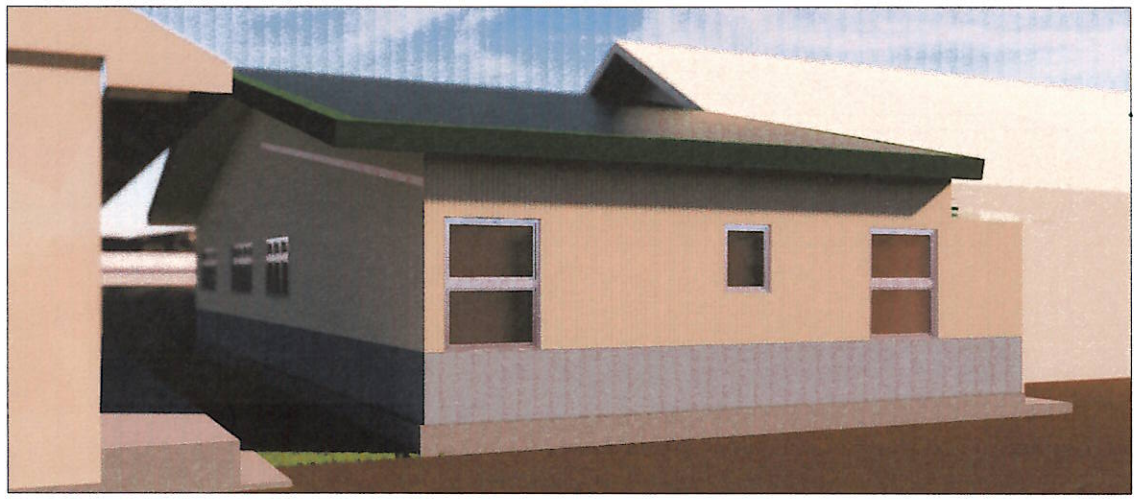
THIS SITE

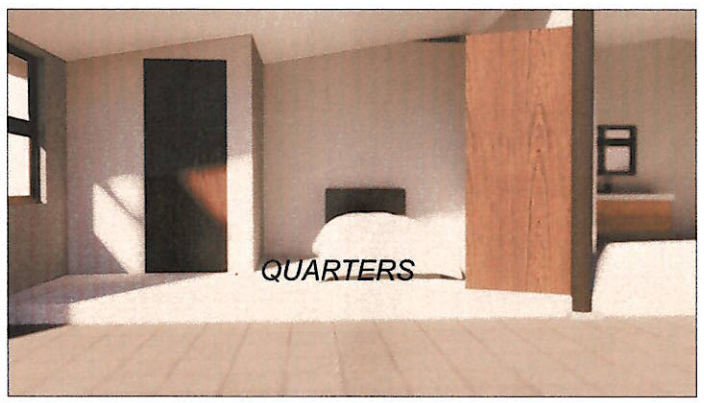






A2 / 02 - 02 VICINITY MAP
SCALE not to scale





A2 / 02 - 02 INTERIOR AND EXTERIOR PERSPECTIVES
SCALE not to scale

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

OFFICE OF THE BUILDING OFFICIAL
MUNICIPALITY OF LA TRINIDAD, BENGUET PROVINCE

LAND USE & ZONING

LINE & GRADE

ARCHITECTURAL

STRUCTURAL

ELECTRICAL

SANITARY

MECHANICAL

BFP CHIEF

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____ - LA TRINIDAD - _____ ARCHITECT		DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET A1 12 22
	ENGINEER							

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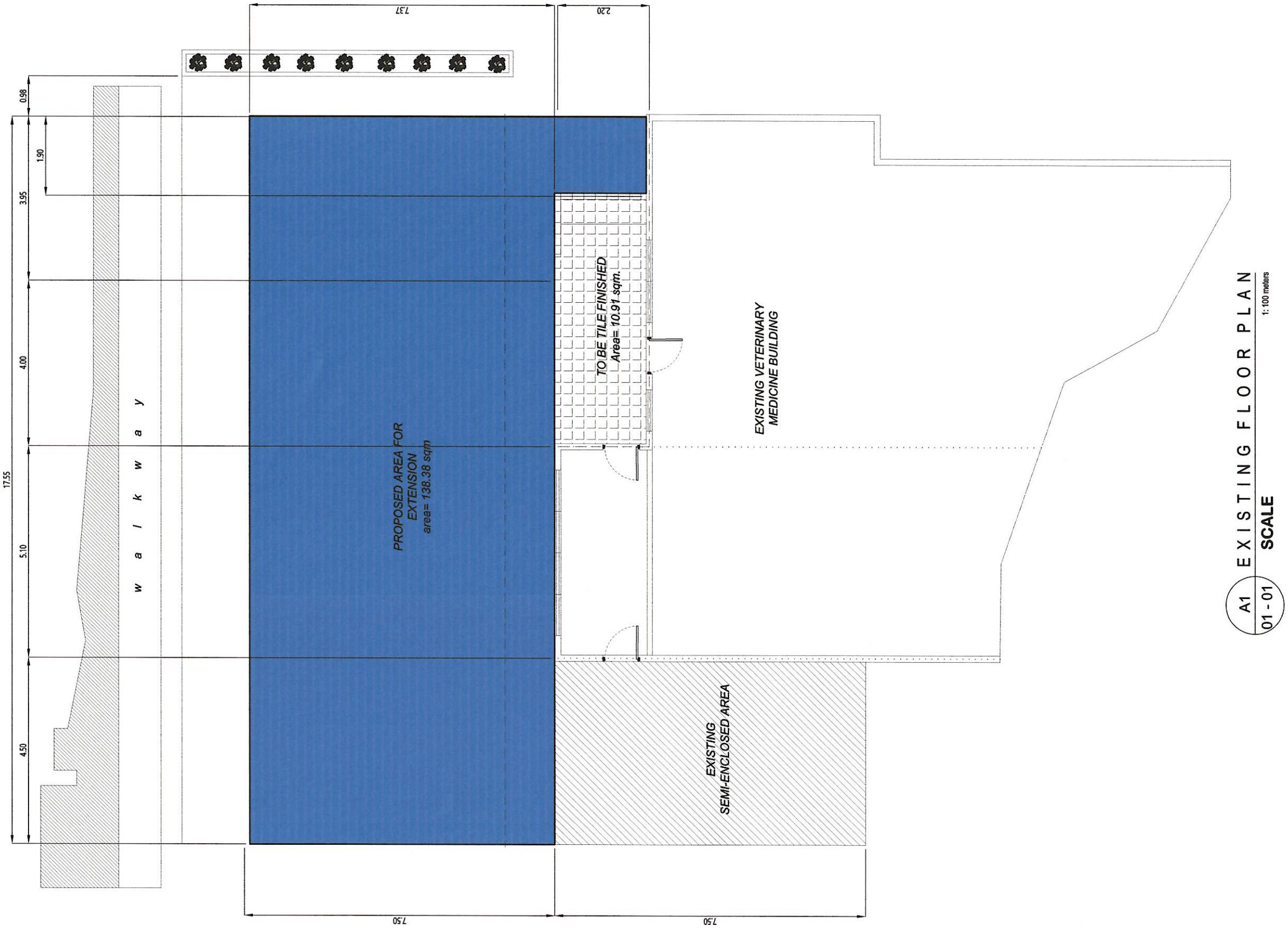

EXISTING FLOOR PLAN

SCALE 1: 100 meters

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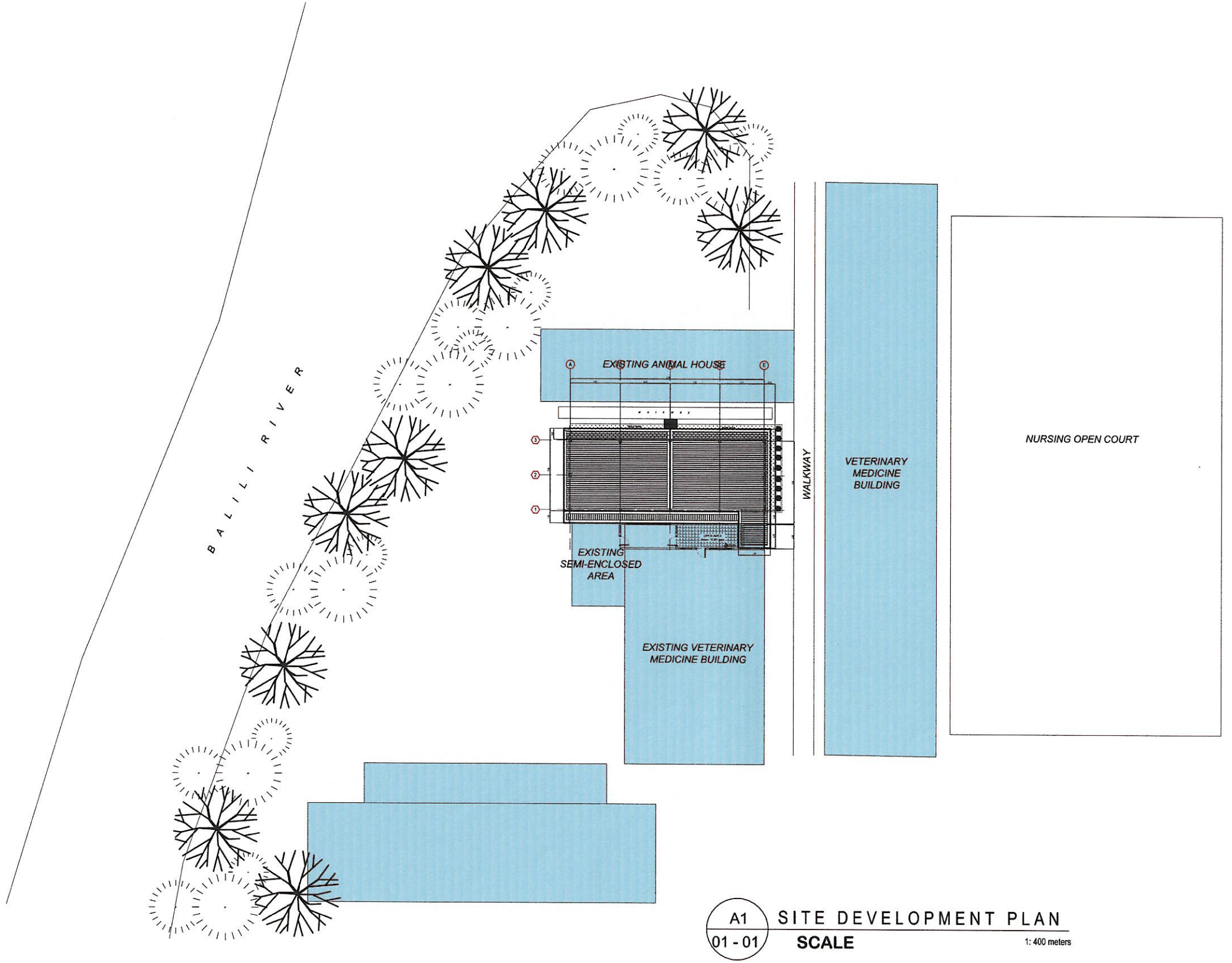

A1 / 01 - 01 SITE DEVELOPMENT PLAN

SCALE 1: 400 meters

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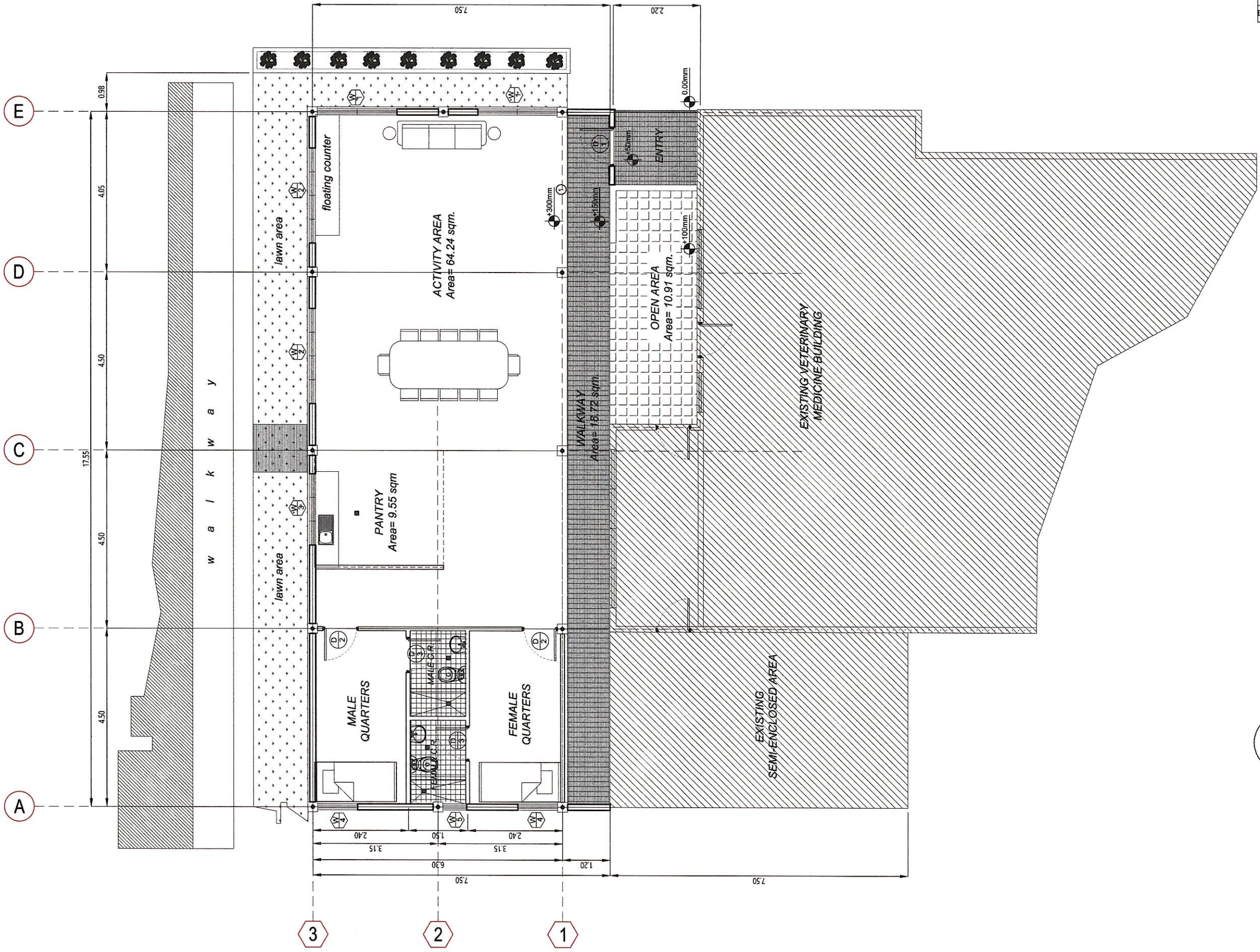

PROPOSED EXTENSION FLOOR PLAN

1:100 meters

A1 | 01 - 01

SCALE

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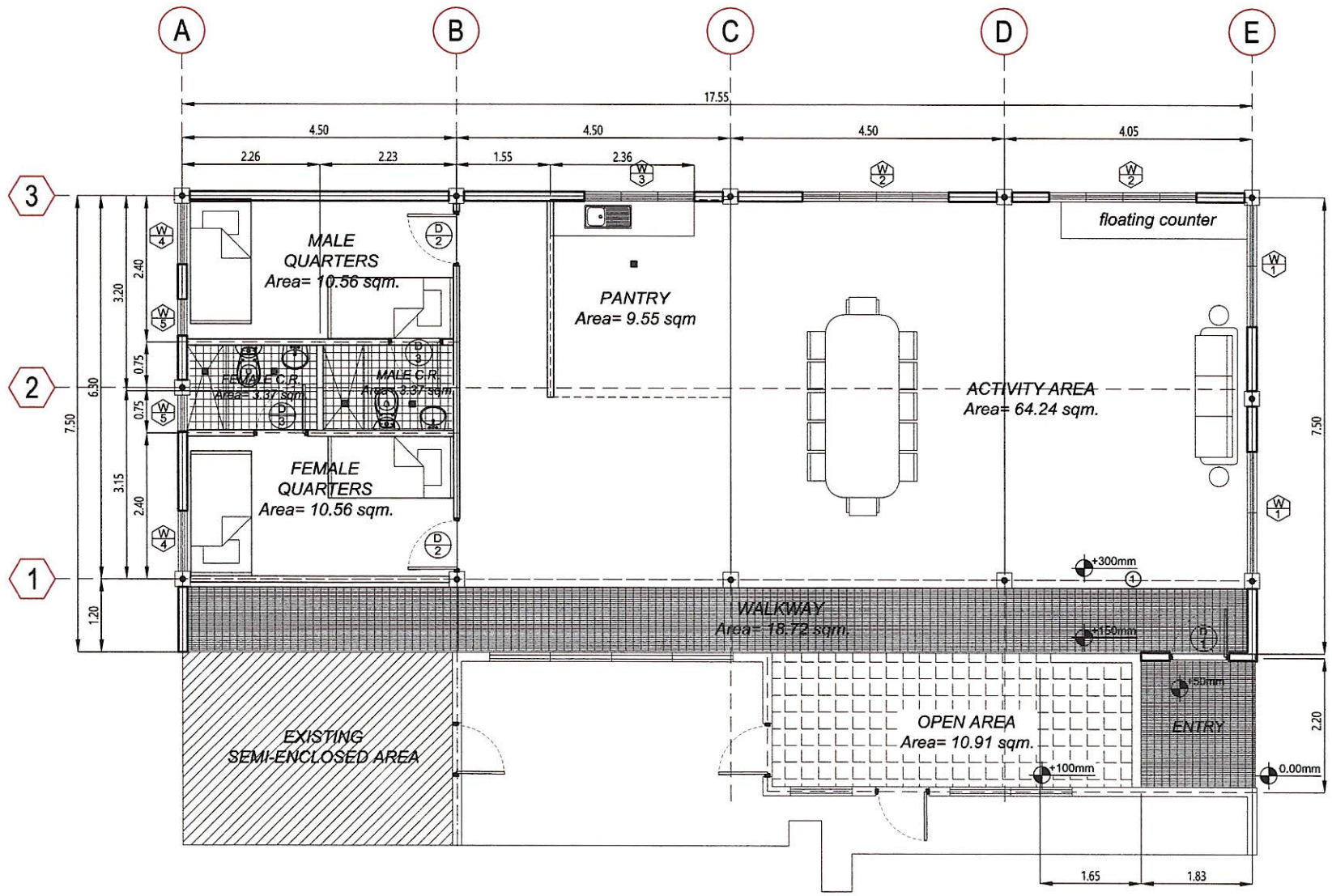

A1 / 01 - 01 **PROPOSED EXTENSION FLOOR PLAN**

SCALE 1: 100 meters

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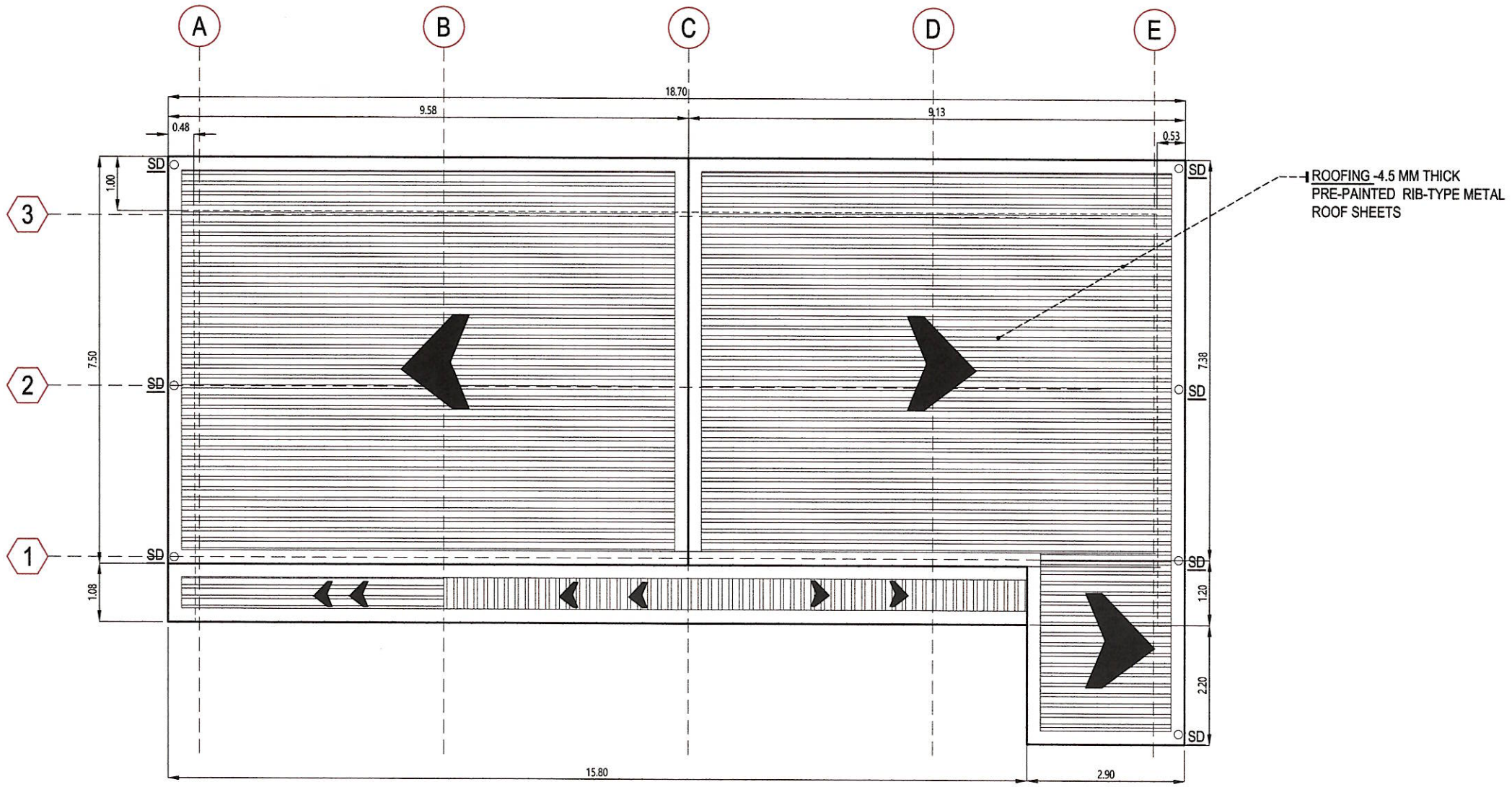

A1 / 01 - 01 ROOF PLAN

SCALE 1: 100 meters

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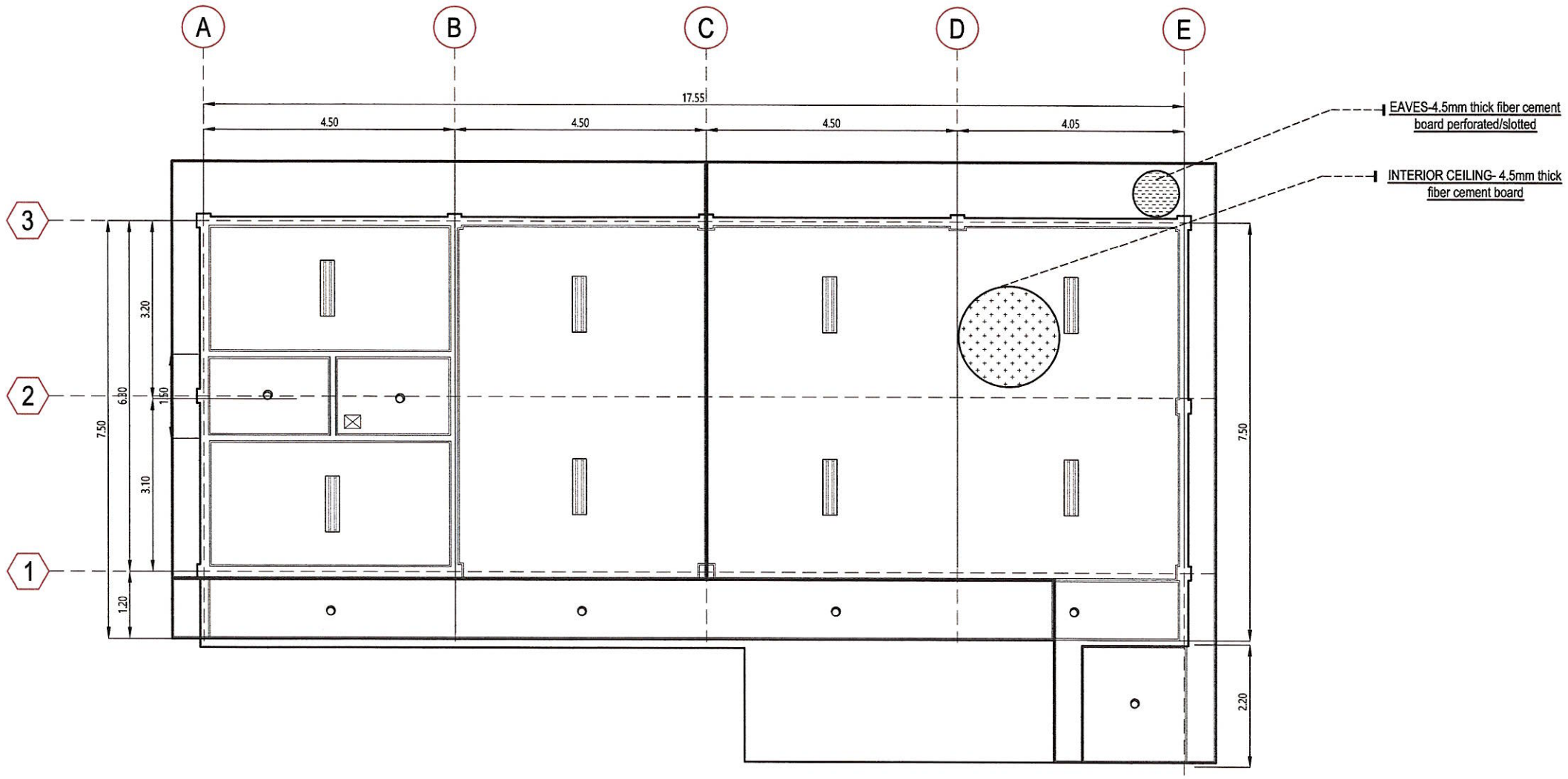

A1 / 01 - 01 REFLECTED CEILING PLAN

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET A7 12 22

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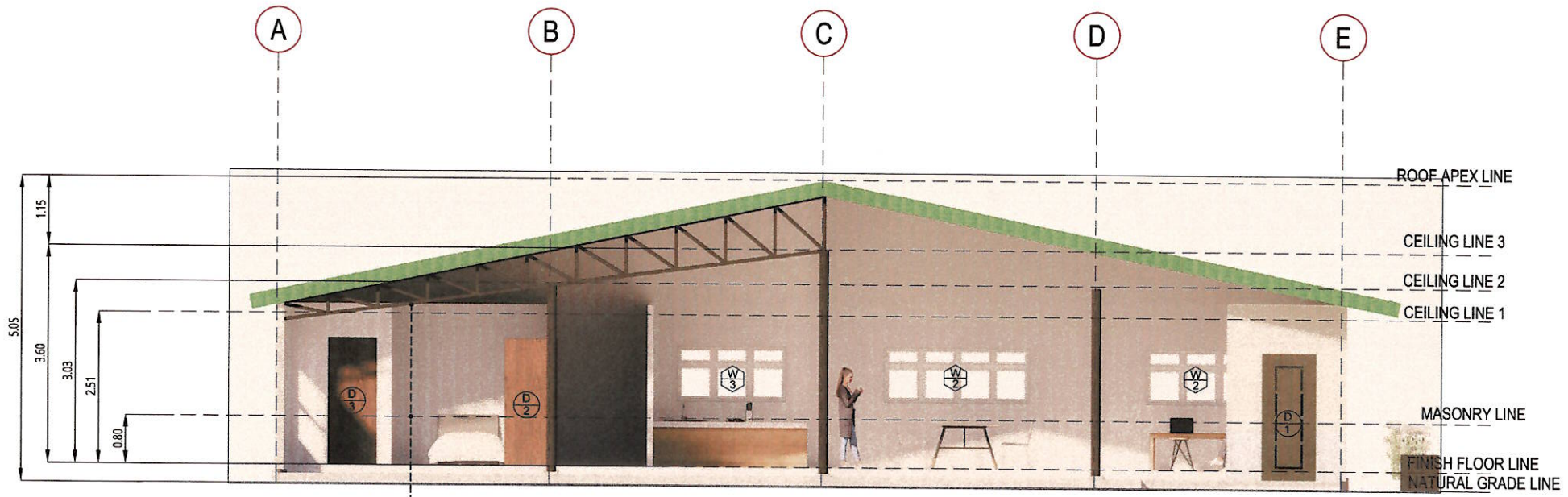
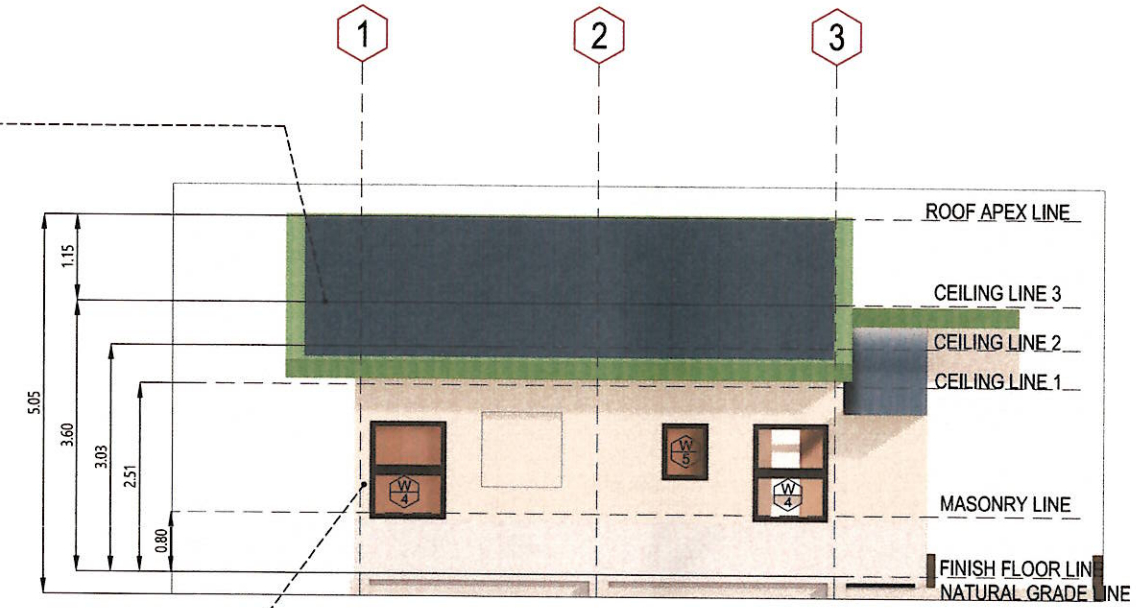


A1 / 01 - 01 FRONT SECTIONAL ELEVATION

SCALE 1: 100 meters

INTERIOR WALL AND CEILING -4.5 MM THICK FIBER CEMENT BOARD



ROOFING -4.5 MM THICK PRE-PAINTED RIB-TYPE METAL ROOF SHEETS

EXTERIOR WALL CLADDING -100mm x 4.5 MM THICK MINI RIB-TYPE PRE-PAINTED METAL CLADDING

A1 / 01 - 01 LEFT SIDE ELEVATION

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DEVERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET A8 12 22

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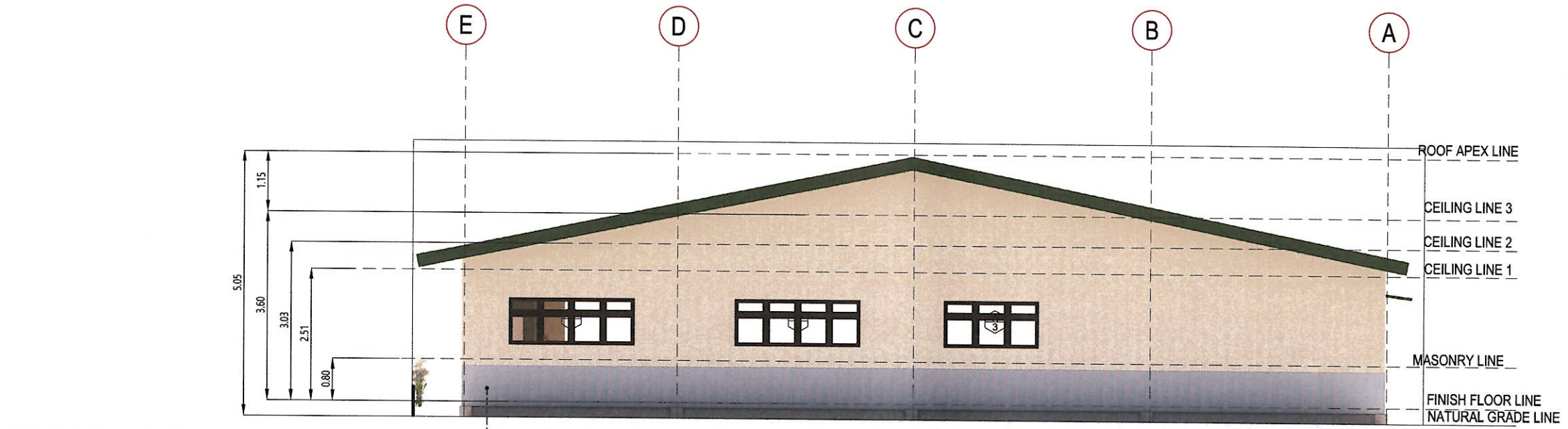
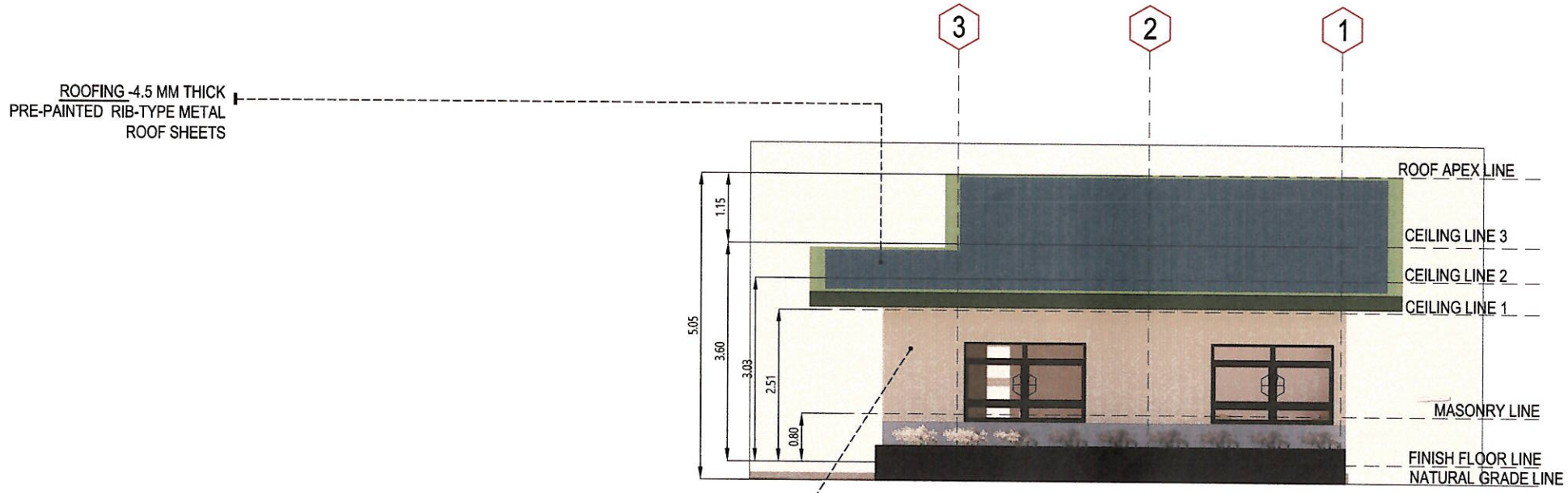


A1 / 01 - 01 REAR ELEVATION
SCALE 1: 100 meters



A1 / 01 - 01 RIGHT SIDE ELEVATION
SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET A9 12 22

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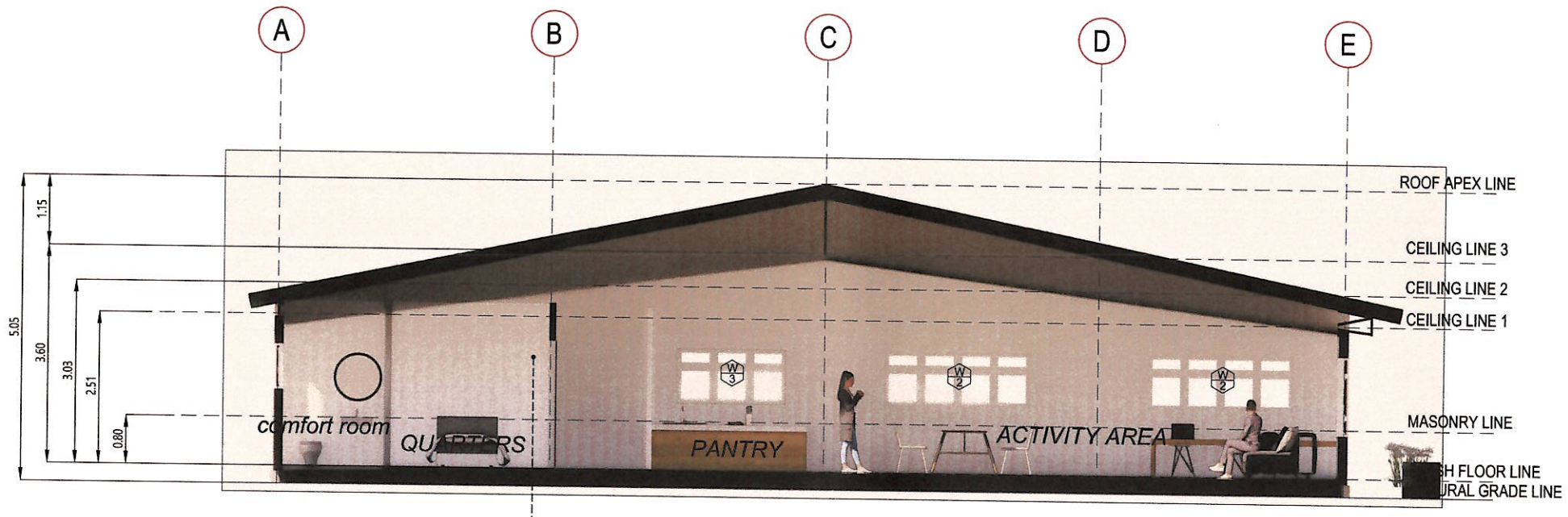


A1 / 01 - 01 **LONGITUDINAL SECTION**
SCALE 1: 100 meters

INTERIOR WALL UPPER HALF - 4.5 MM THICK FIBER CEMENT BOARD PAINTED FINISH

INTERIOR WALL LOWER HALF - MASONRY WALL CEMENT PLASTERED FINISH PAINTED

A1 / 01 - 01 **TRANVERSE SECTION**
SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP
PRC REG. NO. 028540 - NOV.18, 2024
PTR NO._____- LA TRINIDAD -_____
ARCHITECT

ENGINEER

DRAFTED BY:
MAYLYN A. DE VERA
MARCH. 21, 2024

OWNER/ PROJECT TITLE/ LOCATION
" PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL"
KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET

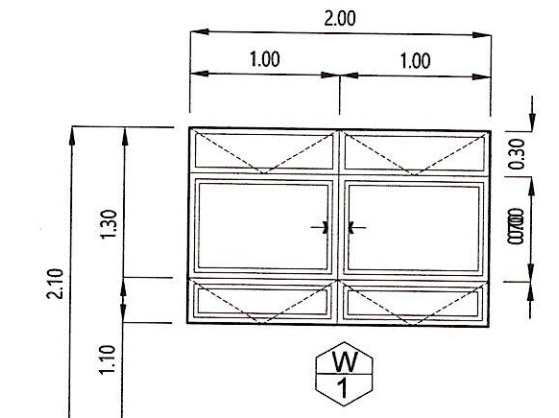
CONFORME:
DR. RICHARD P. DUMAPIS
END-USER, BSU VETERINARY TEACHING HOSPITAL

RECOMMENDING APPROVAL:
ALLAN CASALDO SACPA
SECTOR VICE PRESIDENT

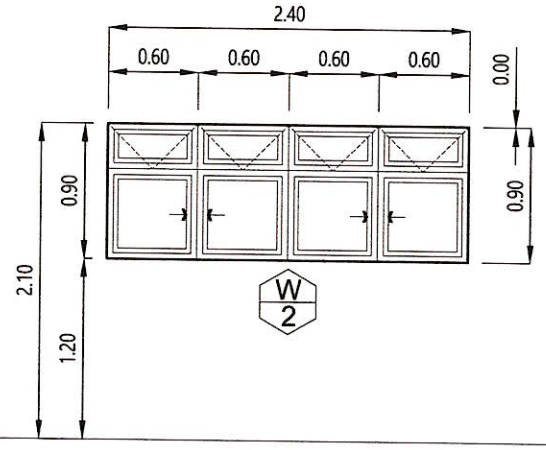
APPROVED:
FELIPE SALAING COMILA
PRESIDENT

SHEET CONTENT:
AS SHOWN

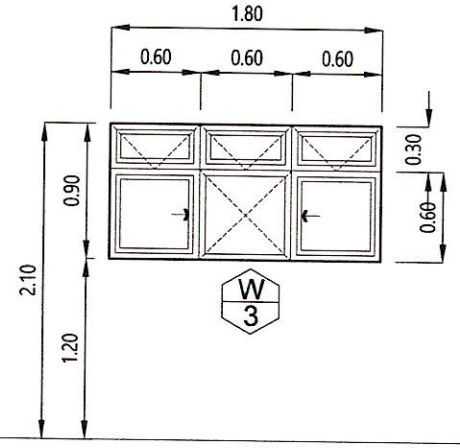
SHEET
A10 12
22



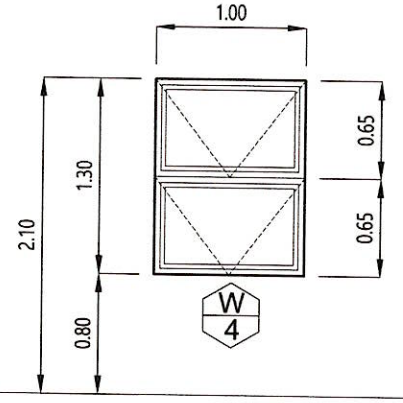
TAG	W1
TYPE	FIX + SLIDING+ AWNING
FRAME	POWDER COATED WHITE
GLASS	6mm THICK CLEAR
LOCATION	ACTIVITY AREA
SET REQ'D	2



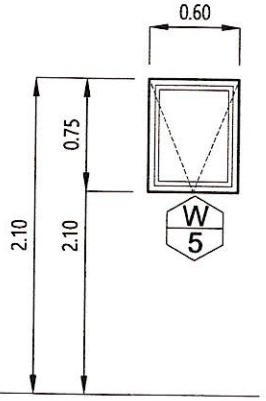
TAG	W2
TYPE	AWNING + SLIDING
FRAME	POWDER COATED WHITE
GLASS	6mm THICK CLEAR
LOCATION	ACTIVITY AREA
SET REQ'D	2



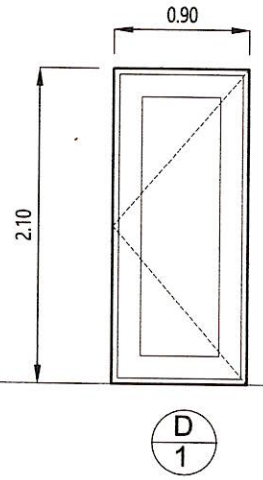
TAG	W3
TYPE	AWNING + SLIDING + FIXED
FRAME	POWDER COATED WHITE
GLASS	6mm THICK CLEAR
LOCATION	PANTRY
SET REQ'D	1



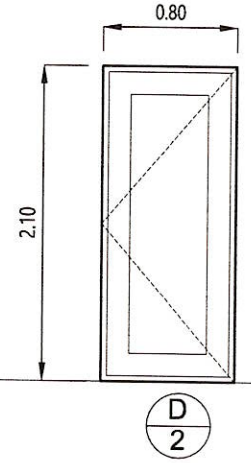
TAG	W4
TYPE	AWNING
FRAME	POWDER COATED WHITE
GLASS	6mm THICK CLEAR
LOCATION	QUARTERS
SET REQ'D	2



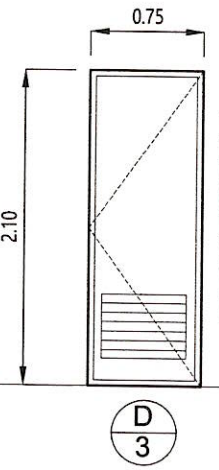
TAG	W5
TYPE	AWNING
FRAME	POWDER COATED WHITE
GLASS	6mm THICK CLEAR
LOCATION	COMFORT RMS.
SET REQ'D	1



TAG	D1
TYPE	STEEL DOOR
JAMB	STEEL
GLASS	
LOCATION	ENTRY
SET REQ'D	1



TAG	D2
TYPE	HDF, LAMINATED
	DARK WOOD
FRAME	2" x 3" WOOD JAMB
GLASS	
LOCATION	QUARTERS
SET REQ'D	2



TAG	D3
TYPE	HDF, LAMINATED
	DARK WOOD
FRAME	2" x 3" WOOD JAMB
GLASS	
LOCATION	COMFORT RMs.
SET REQ'D	2

A1 / 01 - 01 DOORS and WINDOWS SCHEDULE

SCALE 1: 50 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET A11 12 22

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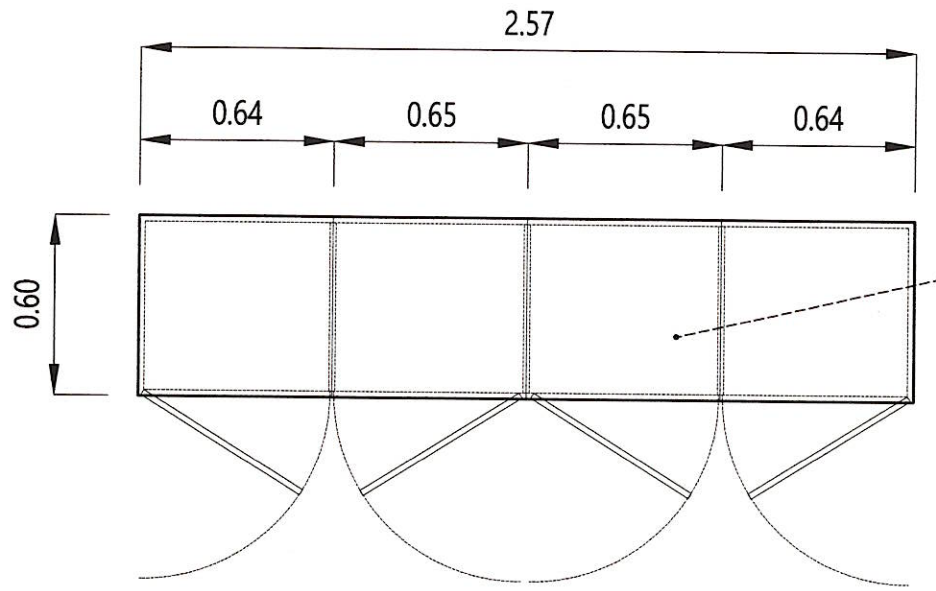
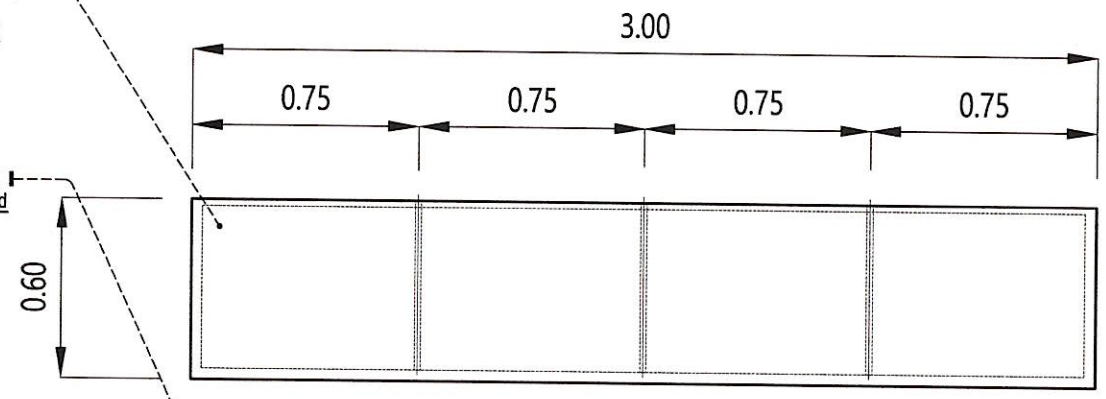
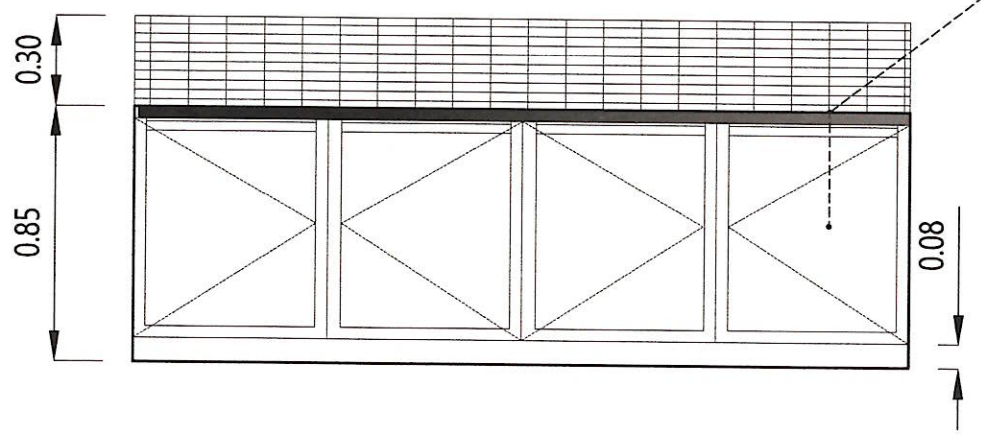


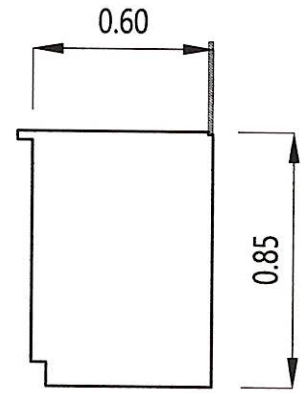
3/4" thick mdf laminated wood for counter top and cabinetry *(see material sample @ 'A')*

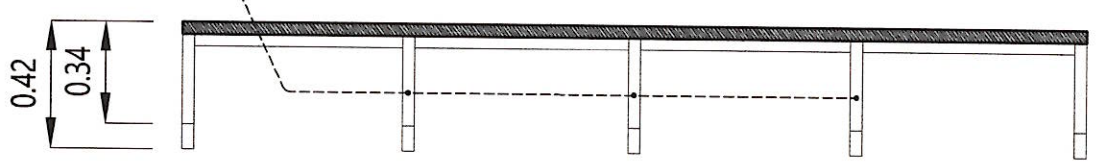
2" x 2" square tubulars for framing; cut to size fully weld

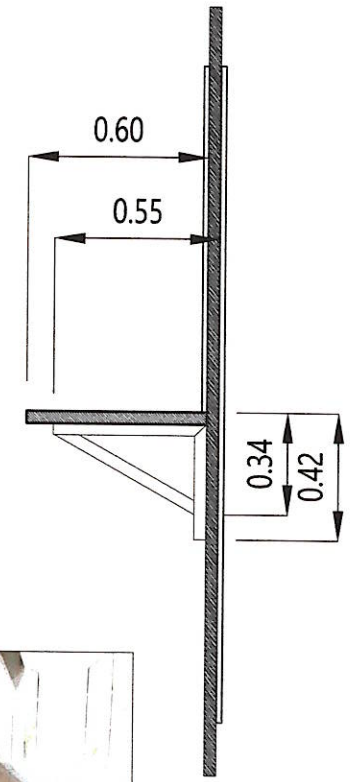
3/4" thick mdf laminated wood for counter and cabinetry *(see material sample @ 'A')*

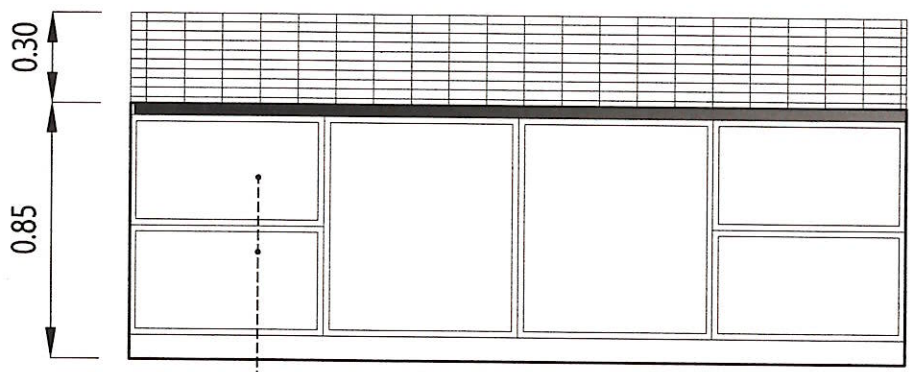




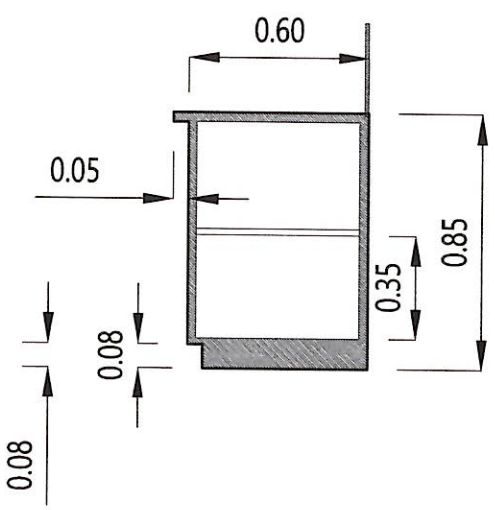




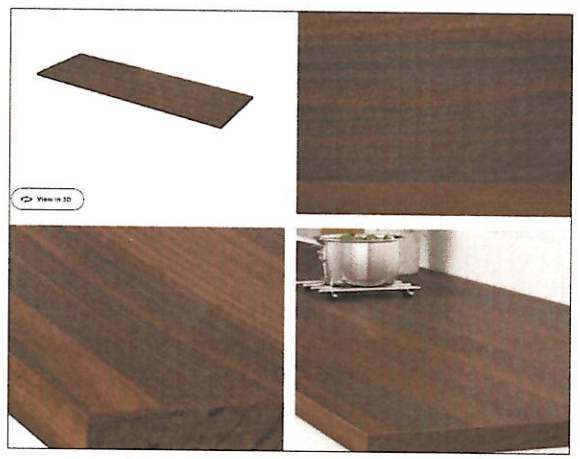




3/4" thick mdf laminated wood for counter and cabinetry-including hardwares and handles *(see material sample @ 'A')*



MATERIAL REFERENCE 'A'



Counter top, Cabinetry and Side Table

Handle and Hardware

A1 / 01 - 01 **KITCHEN CABINETRY and FLOATING WALL TABLE DETAILS**

SCALE 1: 40 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION "PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: **DR. RICHARD P. DUMAPIS** END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: **ALLAN CASALDO SACPA** SECTOR VICE PRESIDENT	APPROVED: **FELIPE SALAING COMILA** PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET A12 12 22

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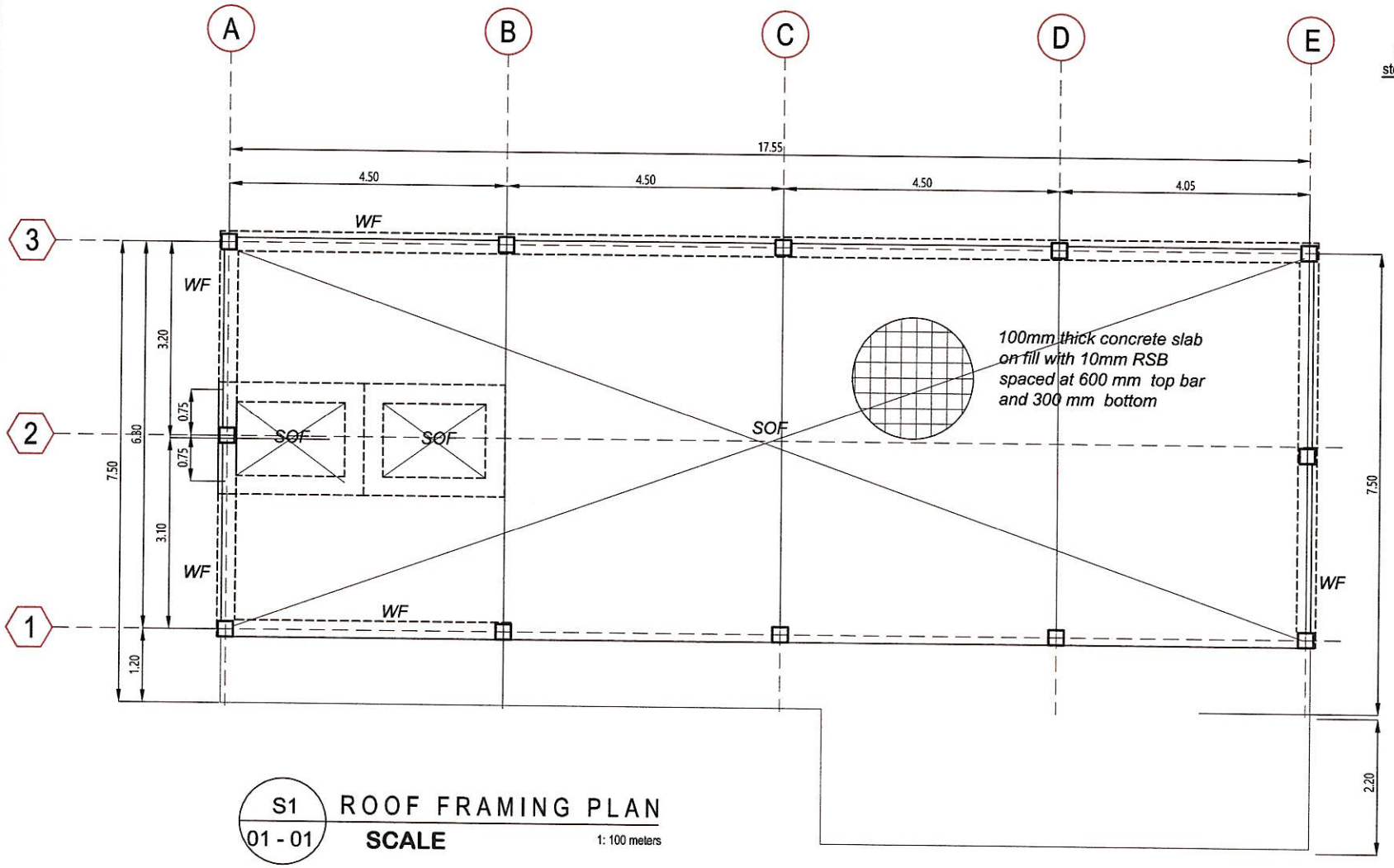
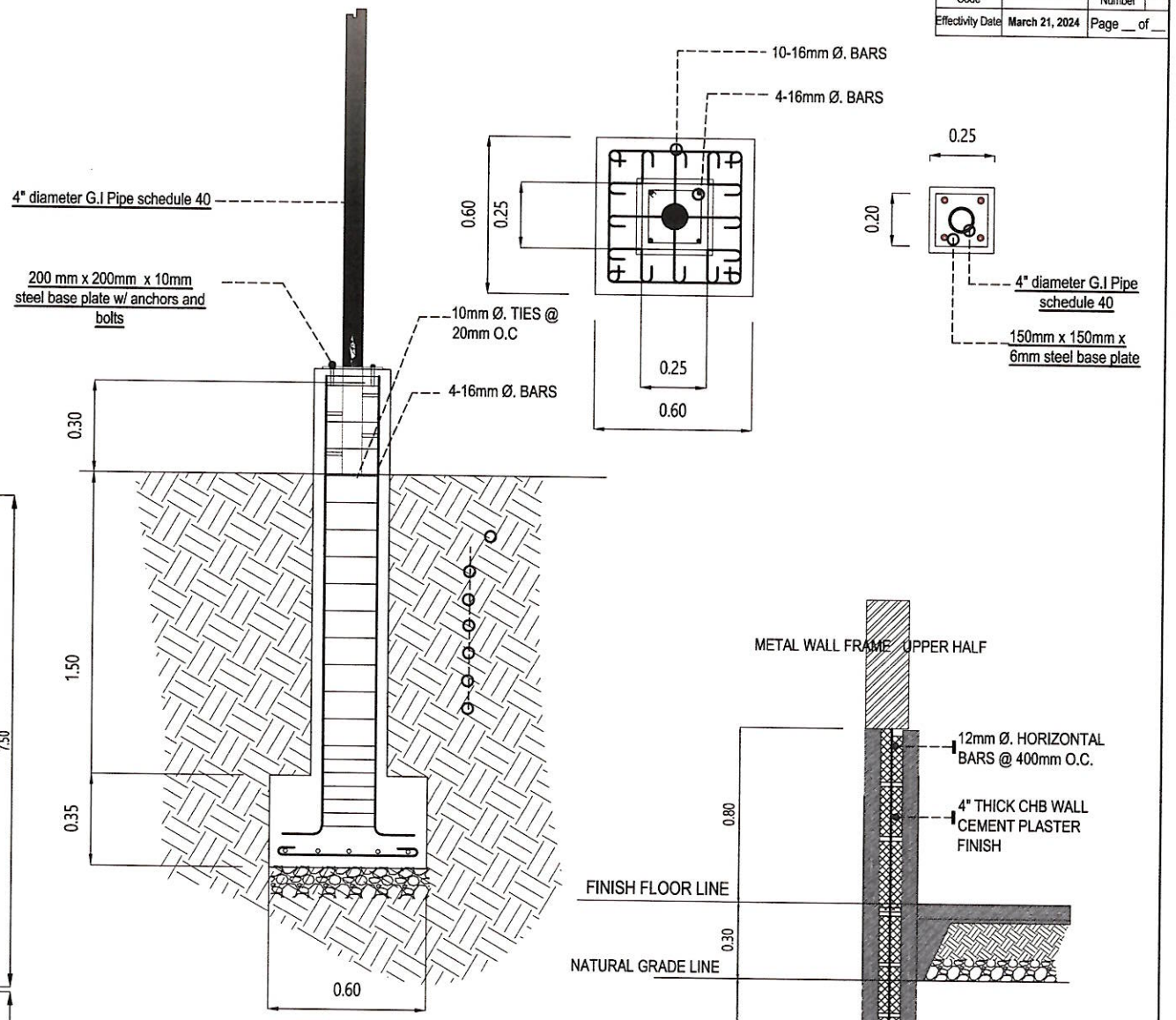


S1 / 01 - 01 ROOF FRAMING PLAN
SCALE 1: 100 meters



S5 / 01 - 01 FOOTING AND COLUMN DETAILS
SCALE 1: 25 meters

SECTION

S1 / 02 - 03 WALL FOOTING DETAILS
SCALE 1:40 meters

SCHEDULE OF SLAB

SLAB MARK	THICKNESS, mm	REBAR SPACING ALONG SHORT DIRECTION, in mm							REBAR SPACING ALONG LONG DIRECTION, in mm							REMARKS
		Rebar Size	LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		REBAR SIZE	LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		
			TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	
SOF	100	10mm Ø	600	300	600	300	600	300	10mm Ø	600	300	600	300	600	300	SLAB-ON-FILL

S1 / 02 - 03 SLAB SCHEDULE
SCALE not to scale

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____ - LA TRINIDAD -_____		DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET S 1 22
ARCHITECT	ENGINEER							

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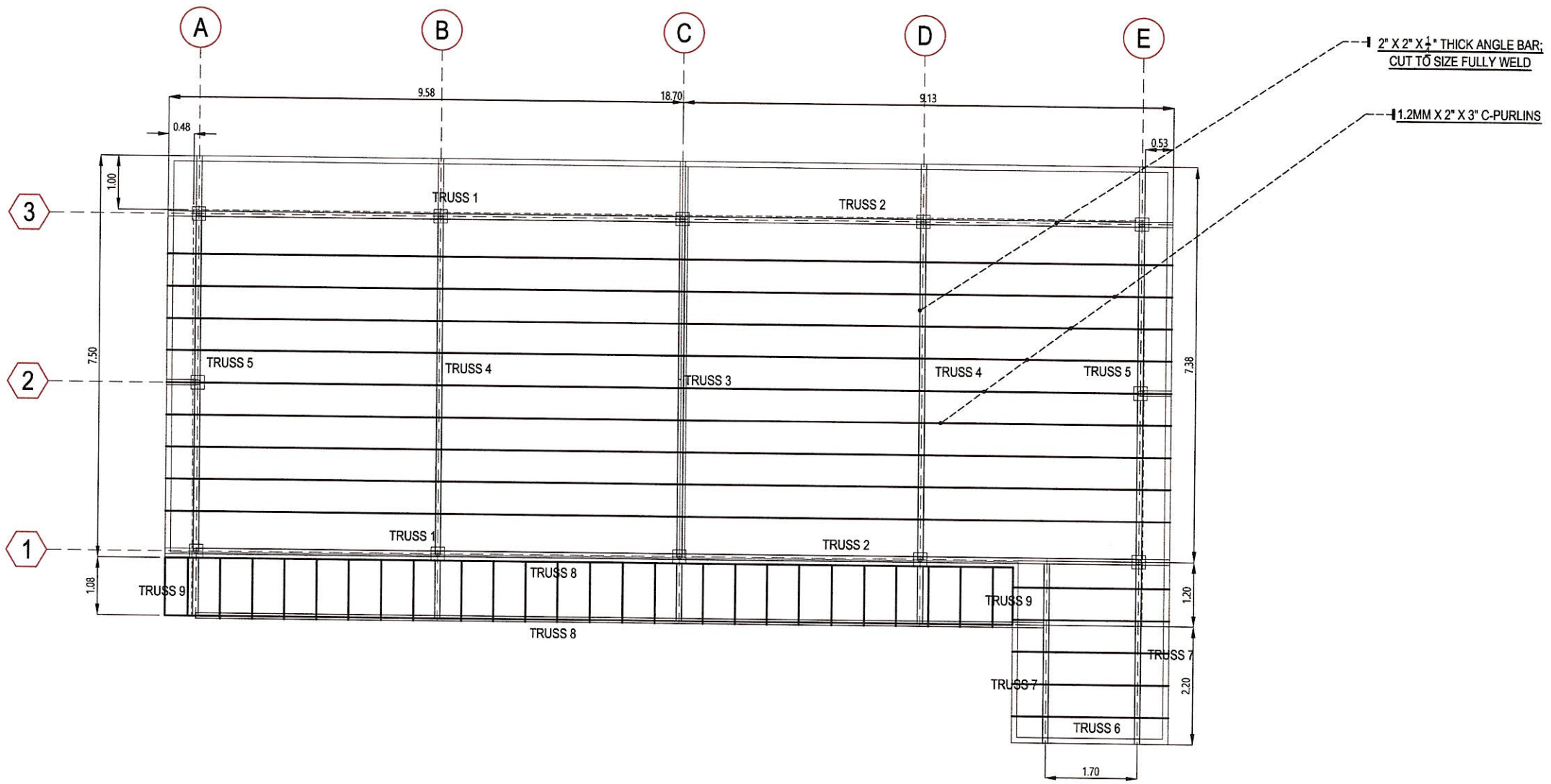

S1 / 01 - 01 ROOF FRAMING PLAN

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION: " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET S2 4 22

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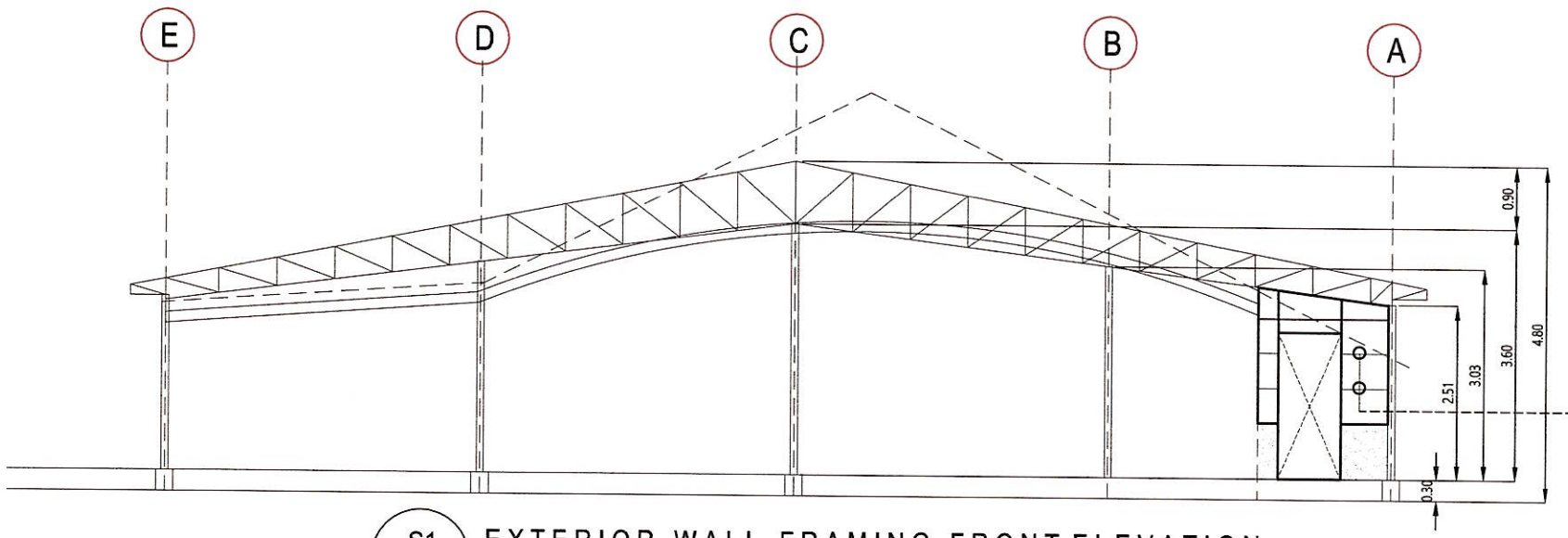
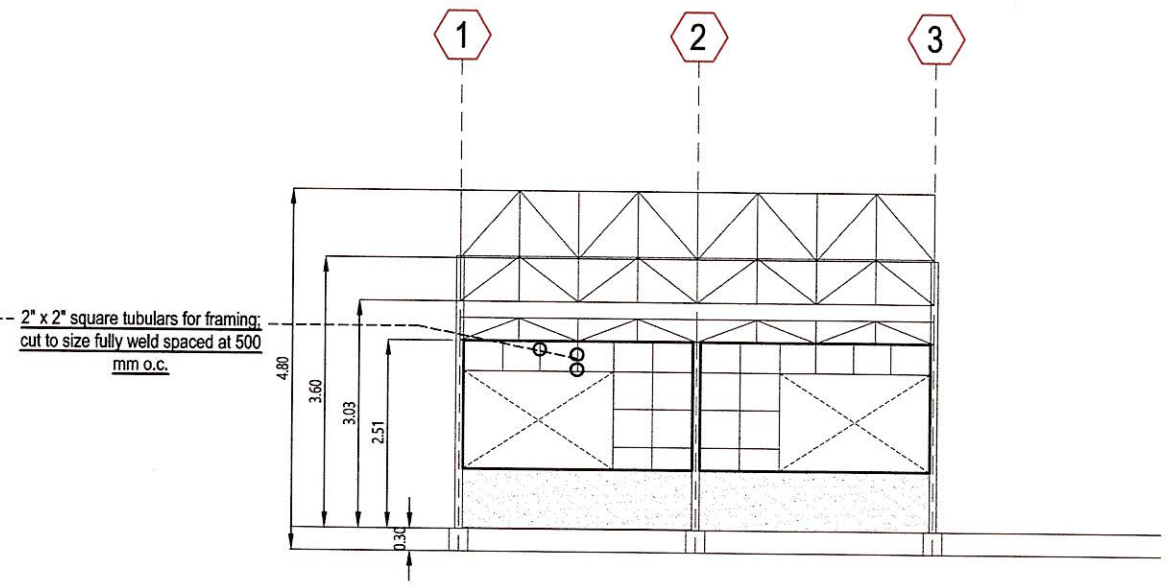


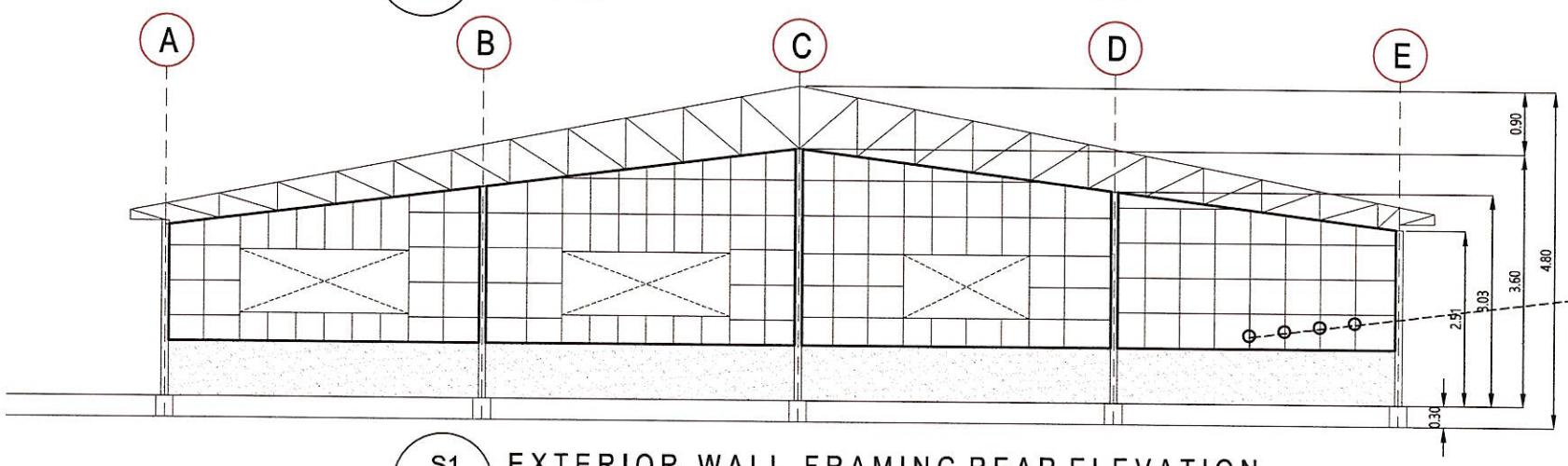
S1 / 01 - 01 EXTERIOR WALL FRAMING FRONT ELEVATION

SCALE 1: 100 meters



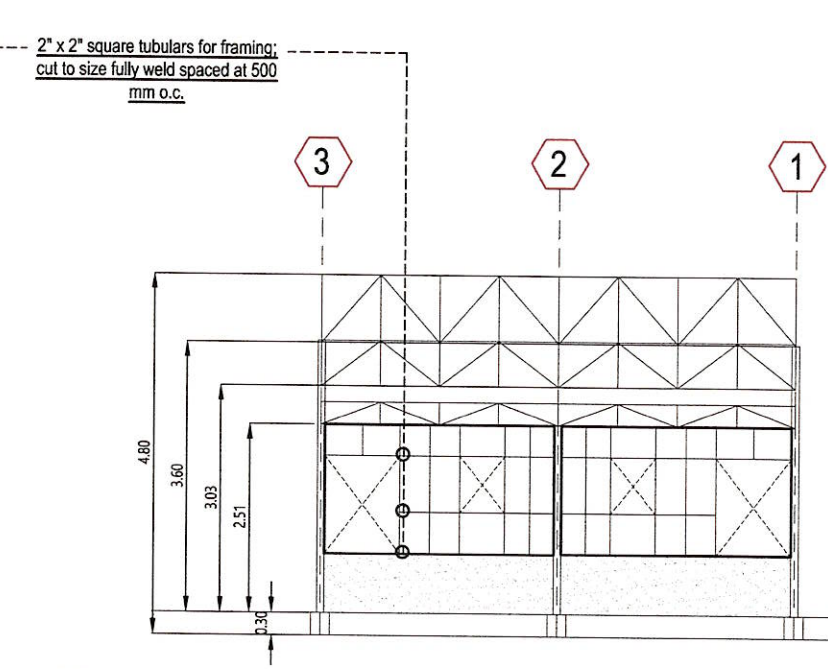
S1 / 01 - 01 EXTERIOR WALL FRAMING RIGHT SIDE ELEVATION

SCALE 1: 100 meters



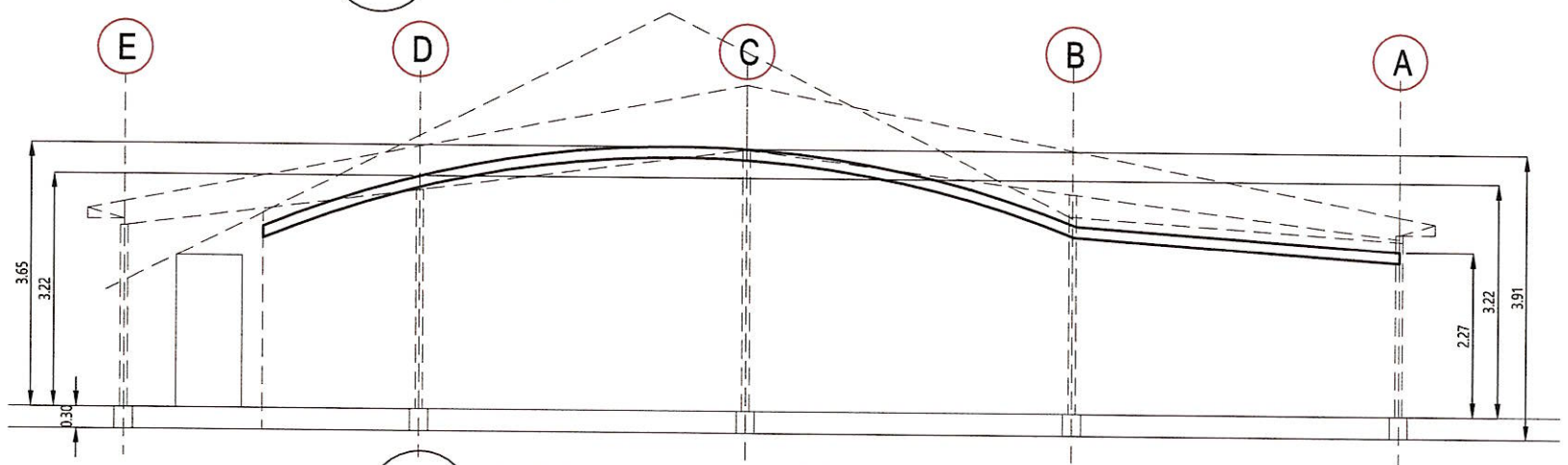
S1 / 01 - 01 EXTERIOR WALL FRAMING REAR ELEVATION

SCALE 1: 100 meters



S1 / 01 - 01 EXTERIOR WALL FRAMINGLEFT SIDE ELEVATION

SCALE 1: 100 meters



S1 / 01 - 01 EXTERIOR WALL FRAMING ELEVATION

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____		DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET S3 4 22
ARCHITECT	ENGINEER							

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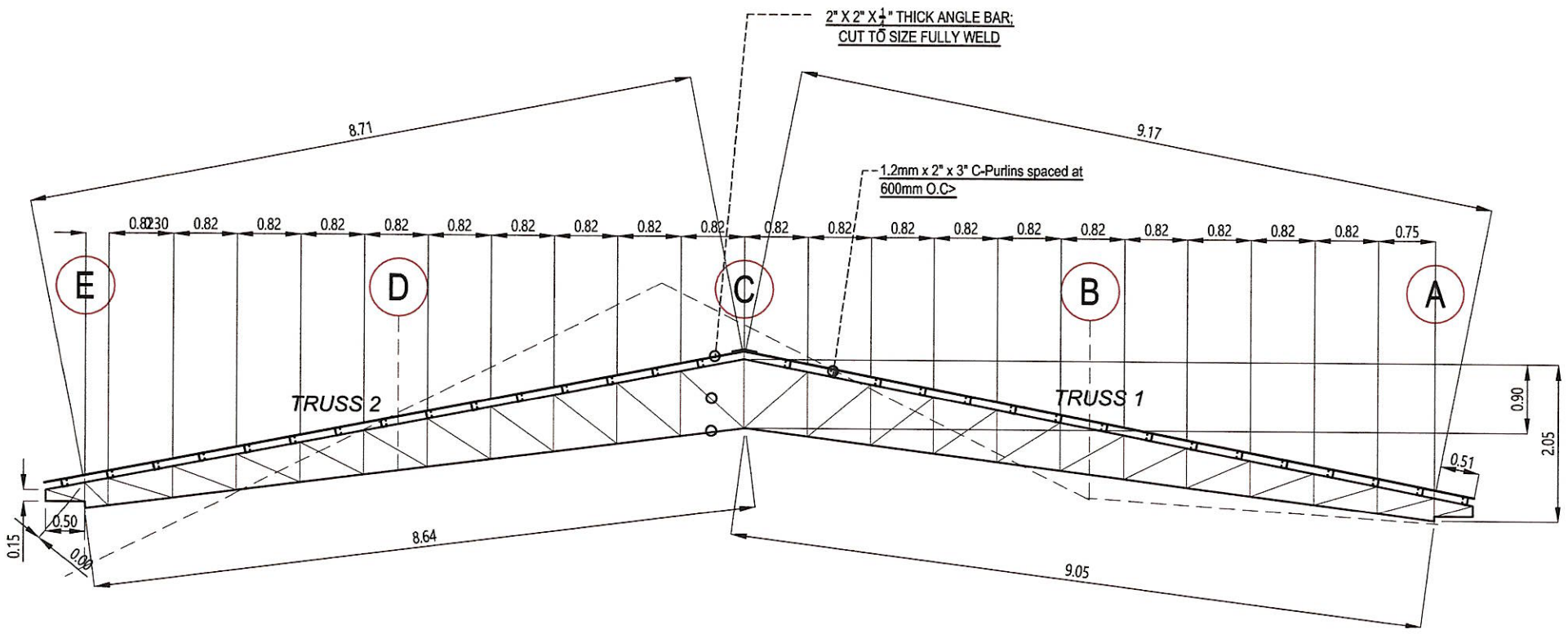
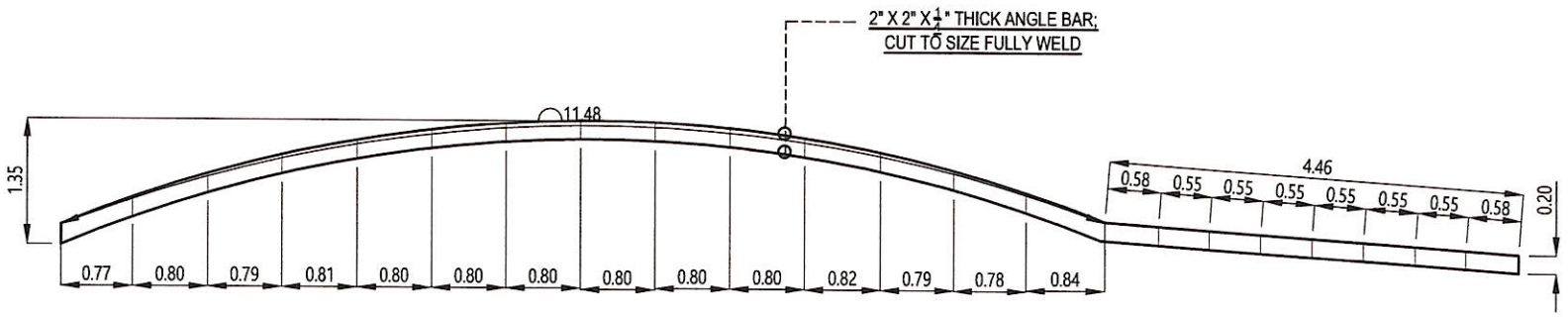
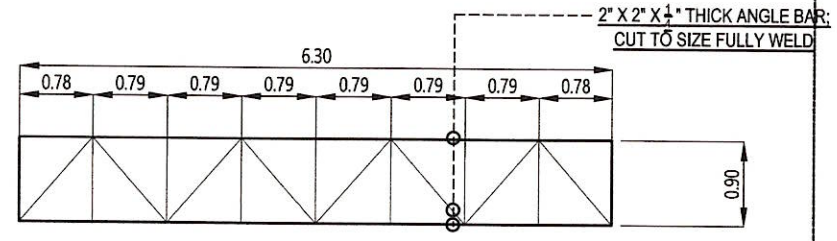
Effectivity Date	March 21, 2024	Page __ of __	





TRUSS 8

TRUSS 3



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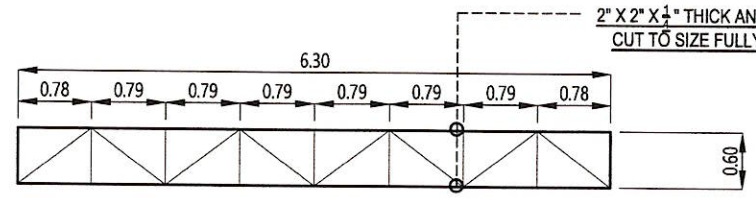

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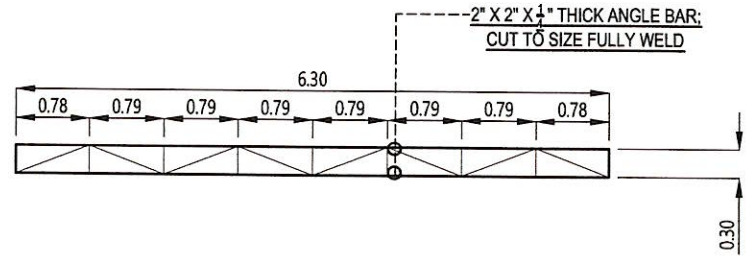
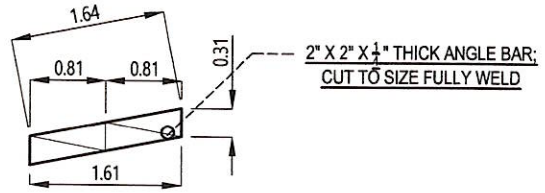
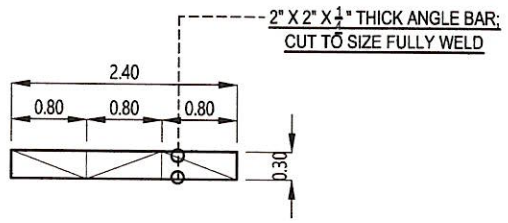


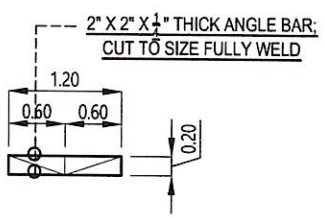
TRUSS 6



TRUSS 7



TRUSS 9



S1 / 01 - 01 — TRUSS DETAILS
SCALE 1: 80 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____ - LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET S4 4 22

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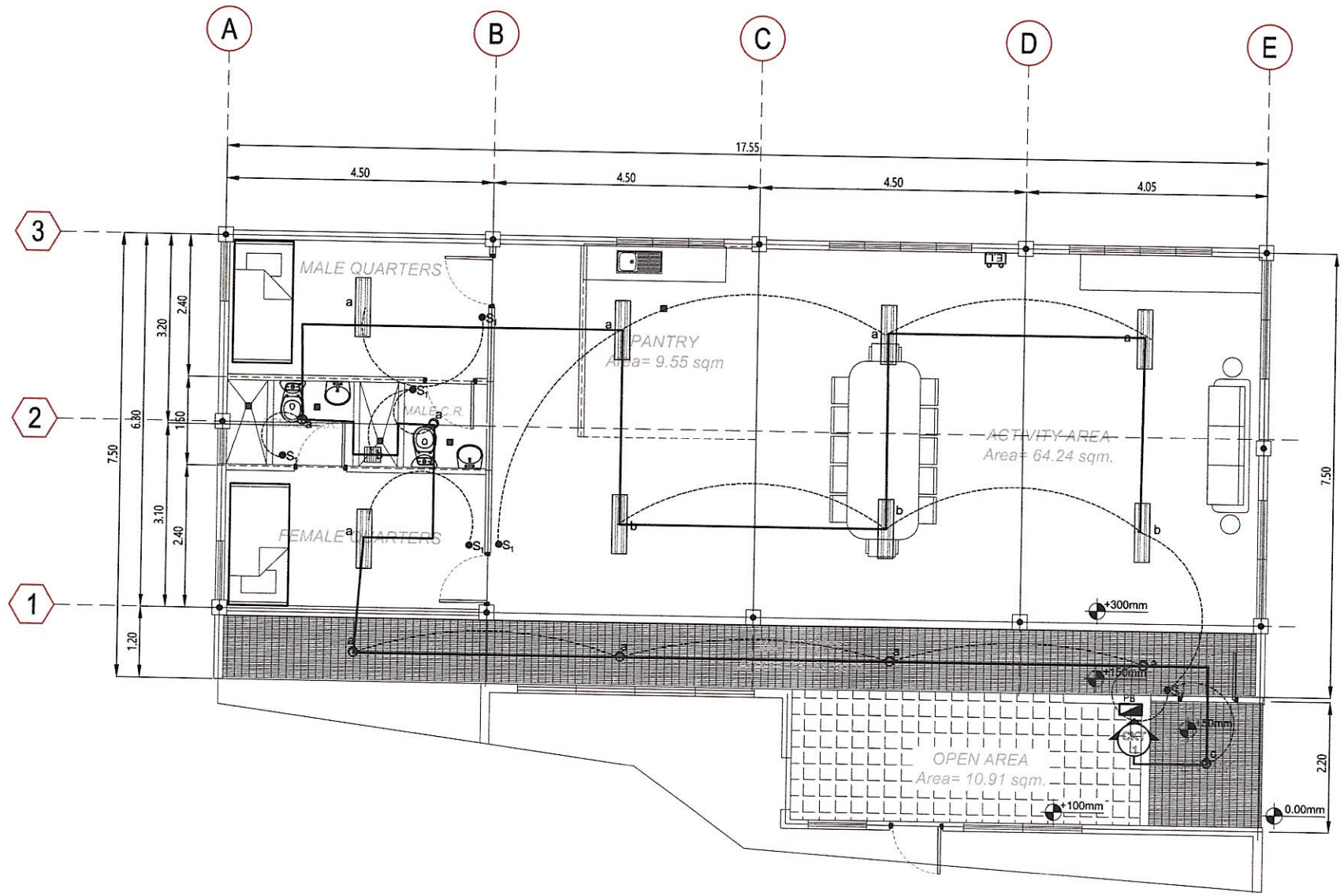

E1 / 01 - 01 LIGHTING LAYOUT

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " **PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL"** KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: **DR. RICHARD P. DUMAPIS** END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: **ALLAN CASALDO SACPA** SECTOR VICE PRESIDENT	APPROVED: **FELIPE SALAING COMILA** PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET E1 4 / 22

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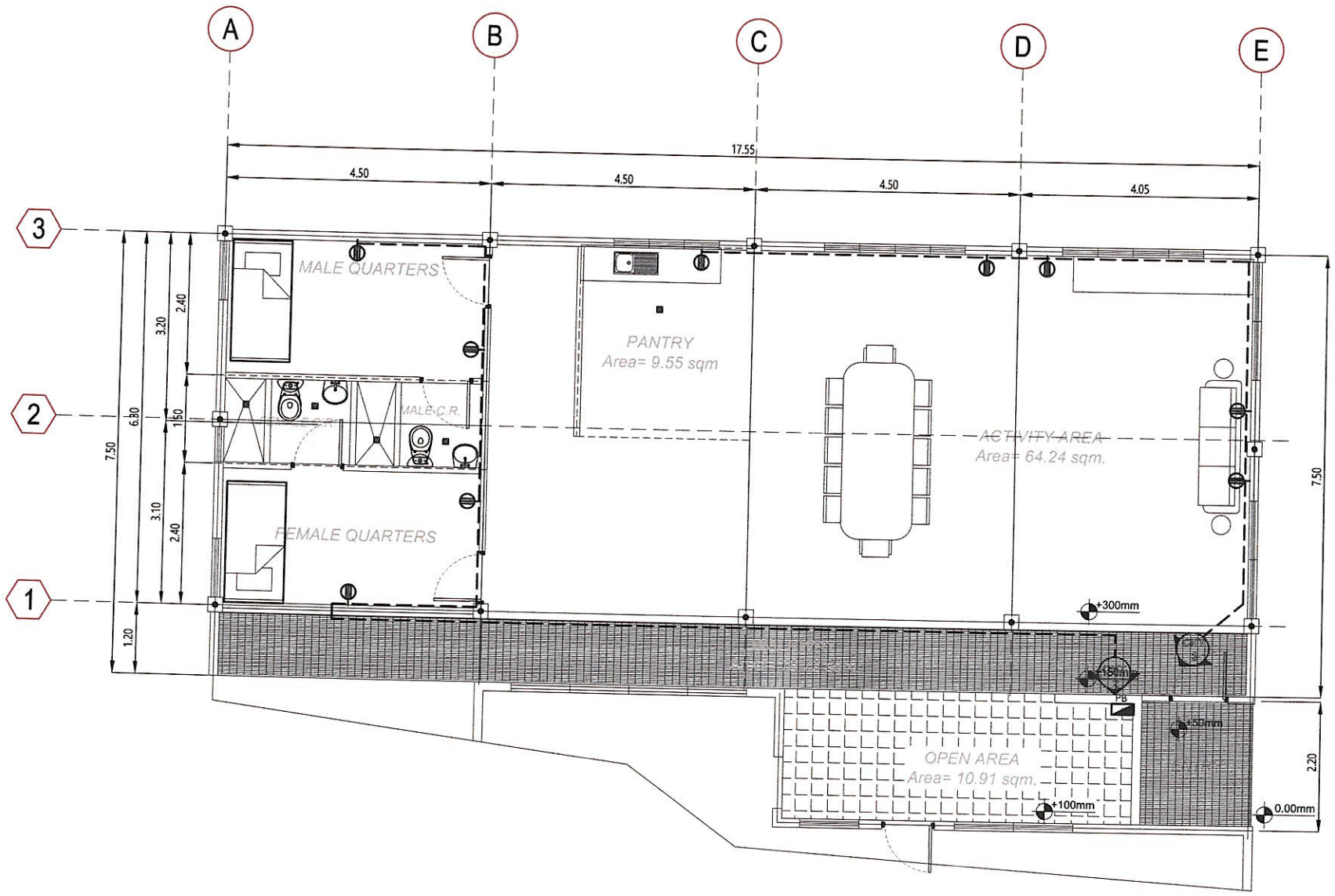

E1 / 01 - 01 POWER LAYOUT

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET E2 3 22

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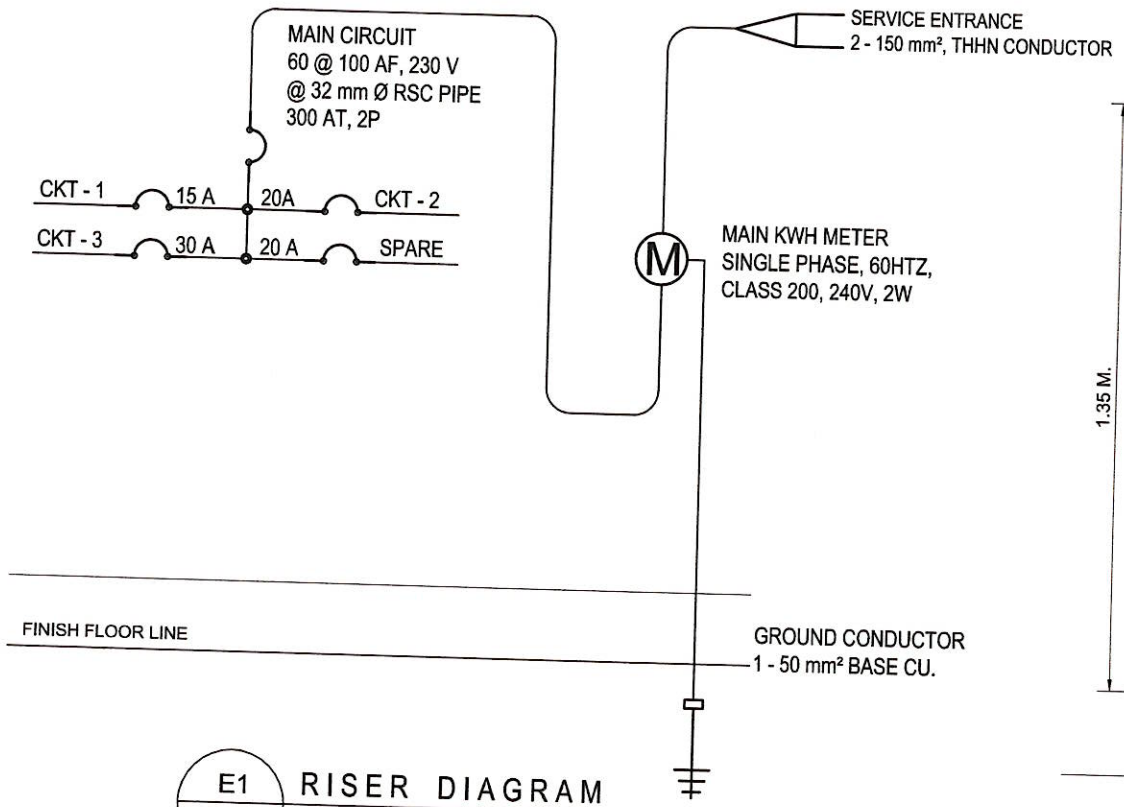
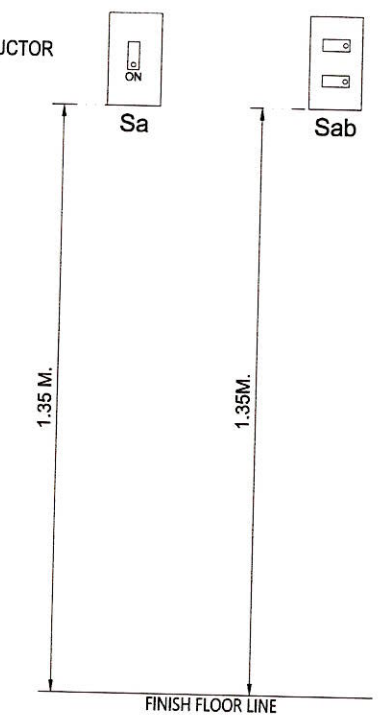
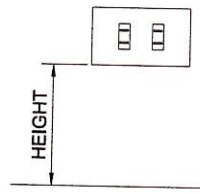
PB



E1 / 01 - 04 RISER DIAGRAM
SCALE not to scale



E1 / 02 - 04 MOUNTING HEIGHTS
SCALE not to scale



D1	DUPLEX	350
D2	DUPLEX	350
D3	DUPLEX	350
D4	DUPLEX	350
D5	DUPLEX	350
D6	DUPLEX	350
D7	DUPLEX	350
WP	WEATHER PROOF	350
WH	WATER HEATER	1250
R	RANGE	1100
REF	REFRIGERATOR	300

COMPUTED LOAD :

PB FIRST FLOOR = 3,800 W

$$\frac{3{,}800\ W}{230\ VOLTS} = 16.52\ AMPERES$$

16.52 AMP @ 80% DEMAND FACTOR = 13.21 AMP
USE 2- NO. 150 mm² THHN AWG IN 50
RIGID STEEL CONDUIT FOR MAIN
USE 60 A 2P FOR MAIN CIRCUIT BREAKER

E1 / 03 - 04 LOAD CALCULATIONS
SCALE not to scale

PANEL BOX

L O A D S C H E D U L E S

CIRCUIT NO.	LIGHTING OUTLET	CONVENIENCE OUTLET	WATTS / OUTLET	WATTS / CIRCUIT	VOLTS	V.A.	FUSE RATING	WIRE SIZE	CONDUIT SIZE
CKT.-1	15		100	1500	230	6.52	15 A 2P	2 - 2.0 mm THHN	20 mm FLEXIBLE CONDUIT
CKT.-2		4	200	800	230	4.34	20 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT
CKT.-3		5	200	1000	230	2.17	30 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT
SPARE			500	500	230	3.47	20 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT
TOTAL				3800	230	16.49	20 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT

E1 / 04 - 04 ELECTRICAL DETAILS
SCALE not to scale

ELECTRICAL SYMBOLS

- 2- T-8 LED LAMP WITH HOUSING and DIFFUSER
- WP — WEATHER FROOF OUTLET WITH COVER CONVENTIONAL
- CONVENIENCE OUTLET CONVENTIONAL
- PB — PANEL BOX
- S_1 — SWITCH
- S_2 — 2-GANG SWITCH
- S_3 — 3-GANG SWITCH
- 2Sw — TWO WAY SWITCH
- M — METER
- CONDUIT RUN

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION BENGUET STATE UNIVERSITY " **PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL"** KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: **DR. RICHARD P. DUMAPIS** END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: **ALLAN CASALDO SACPA** SECTOR VICE PRESIDENT	APPROVED: **FELIPE SALAING COMILA** PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET E3_3 22

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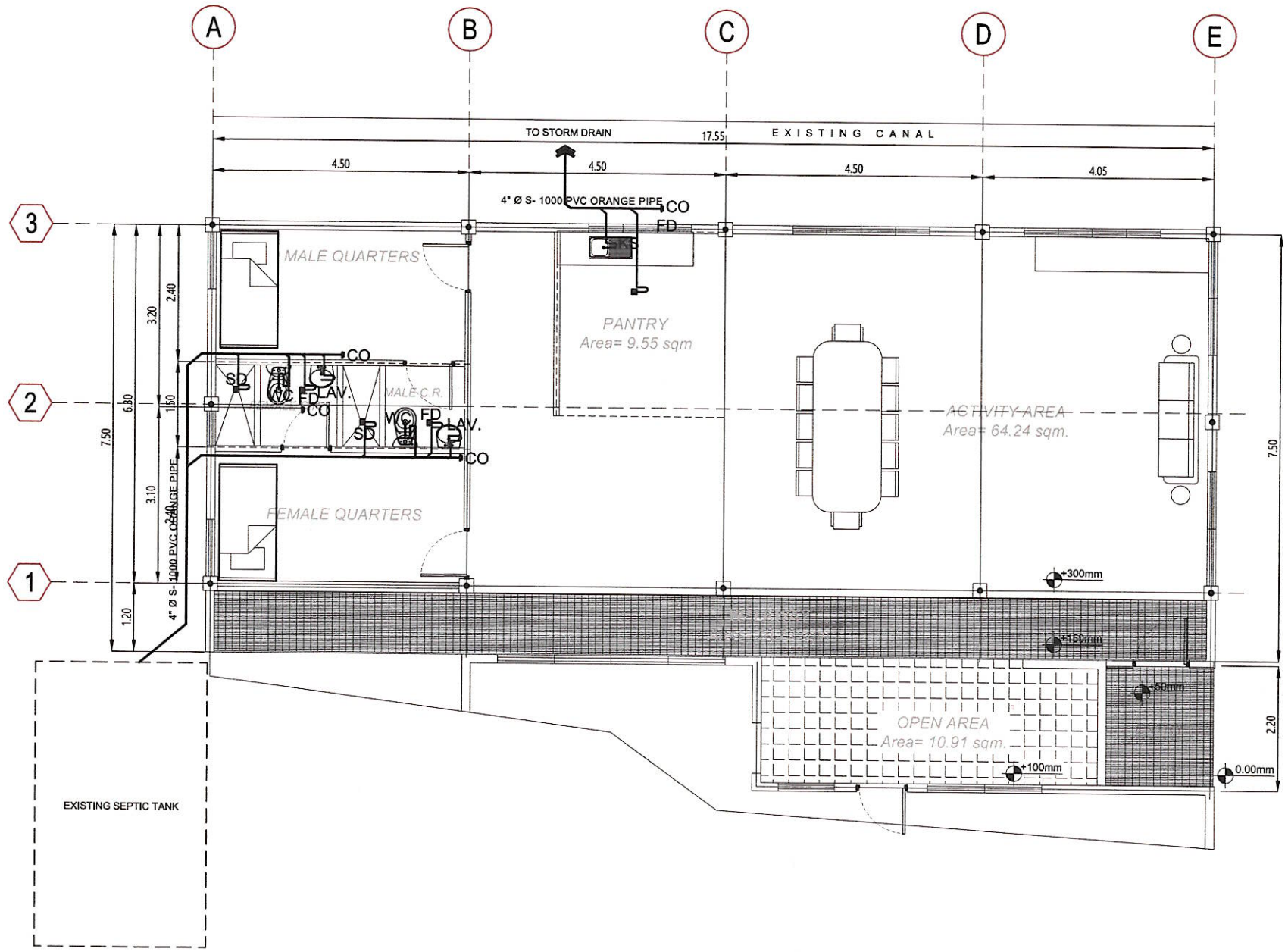

P1 — 01 - 01 SEWER LINE LAYOUT

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET P1.3 22

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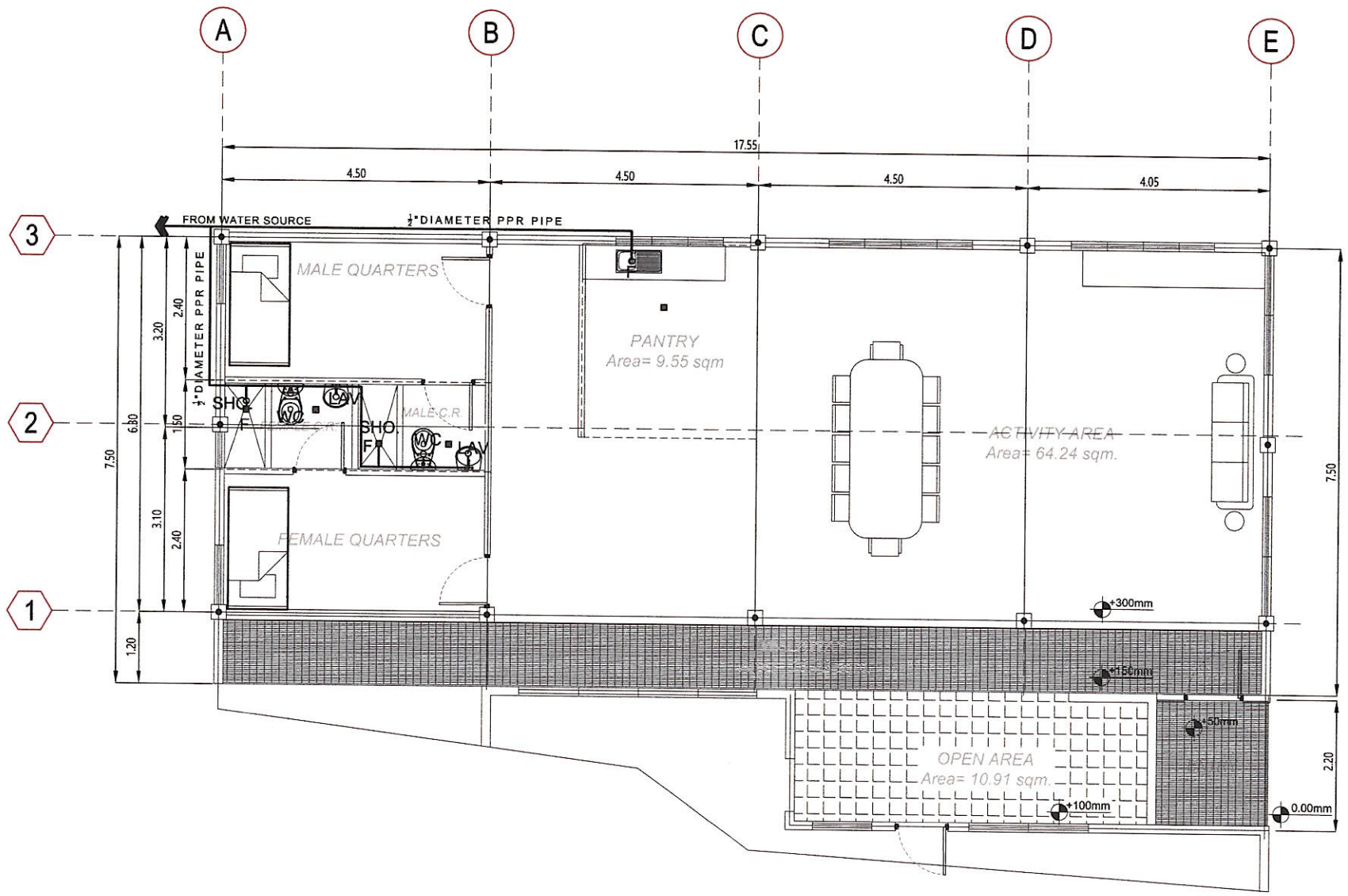

P1 / 01 - 01 WATER LINE LAYOUT

SCALE 1: 100 meters

ARCH. HAZELINE N. TIBANGAY, UAP PRC REG. NO. 028540 - NOV.18, 2024 PTR NO._____- LA TRINIDAD -_____ ARCHITECT	ENGINEER	DRAFTED BY: MAYLYN A. DE VERA MARCH. 21, 2024	OWNER/ PROJECT TITLE/ LOCATION " PROPOSED EXTENSION AT THE SOUTHERN AREA (REAR) OF THE VETERINARY TEACHING HOSPITAL" KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	CONFORME: DR. RICHARD P. DUMAPIS END-USER, BSU VETERINARY TEACHING HOSPITAL	RECOMMENDING APPROVAL: ALLAN CASALDO SACPA SECTOR VICE PRESIDENT	APPROVED: FELIPE SALAING COMILA PRESIDENT	SHEET CONTENT: AS SHOWN	SHEET P2 3 / 22

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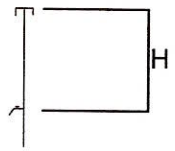
PLUMBING GENERAL NOTES

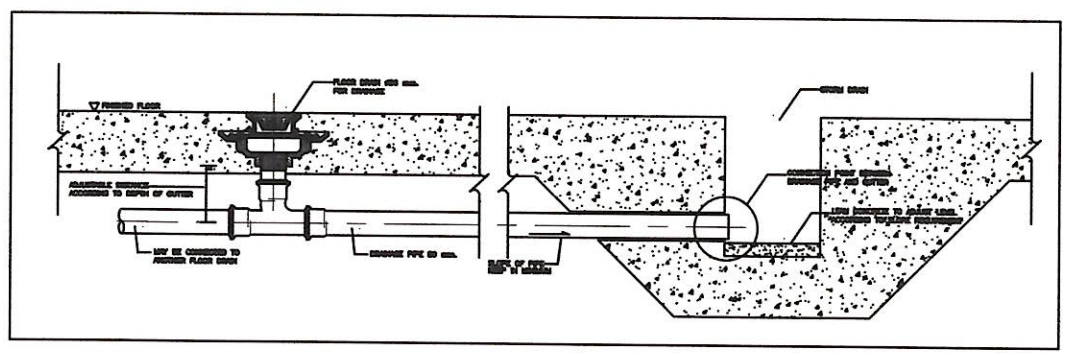
1. ALL WORKS SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE LOCAL CODE RECQUIREMENTS AND SUBDIVISION REGULATIONS.
2. THE PLUMBING LAYOUT IS ONLY DIAGRAMATIC, PIPES, CLEANOUTS, AND CHECK VALVES SHALL BE CONCEALED AS MUCH AS POSSIBLE
3. MINIMUM SLOPE FOR SEWER SHALL BE 2 PERCENT AND DRAIN LINES AT ONE PERCENT
4. ALL FLOOR DRAINS SHALL BE VENTED INDIVIDUALLY
5. ALL PVC PIPES SHALL BE OF APPROVED QUALITY AND G.I. PIPES FOR WATER DISTRIBUTION LINES SHALL BE SCHEDULE 40 OF U.S. STANDARD WEIGHT
6. PROVIDE VENT PIPES AND VENT STACK THRU ROOF OF PVC APPROVED QUALITY AS RECQUIRED.
7. ALL INDIVIDUAL BRANCHES TO FIXTURES OR GROUP OF FIXTURES AND OR EQUIPMENT SHALL BE PROVIDED WITH AIR CHAMBER OF CAPPED VERTICAL PIPE EXTENSIONS OF DIMENSIONS AS SHOWN:

0.45 M. FOR ¾" Ø
0.50 M. FOR ½" Ø



8. ALL PLUMBUNG SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED SANITARY ENGINEER OR A MASTER PLUMBER

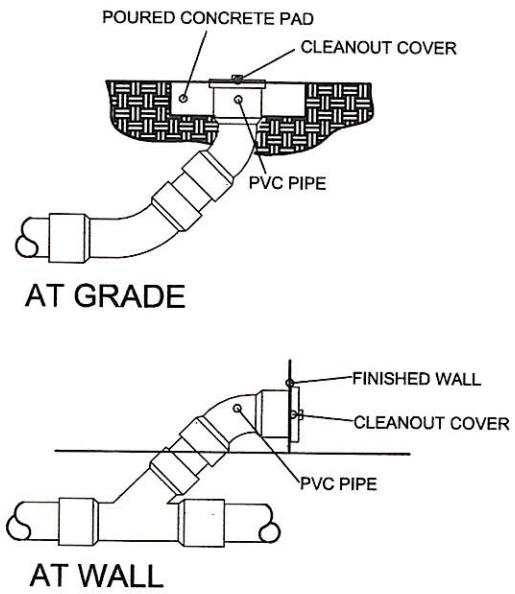
PLUMBING ABBREVIATIONS



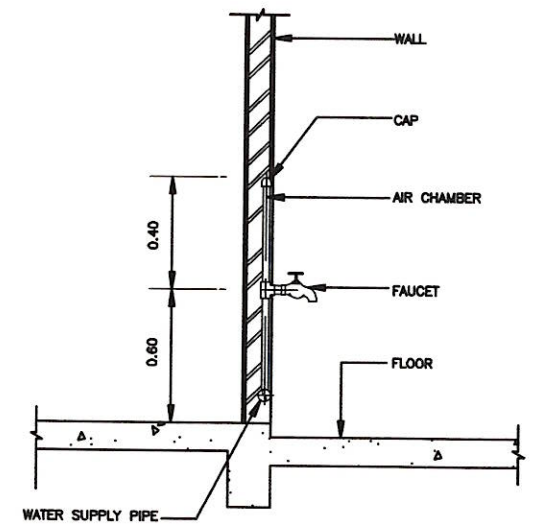
P1 / 01 - 04 — TYPICAL FLOOR DRAIN TO STORM DRAIN DETAILS
SCALE not to scale

PLUMBING ABBREVIATIONS

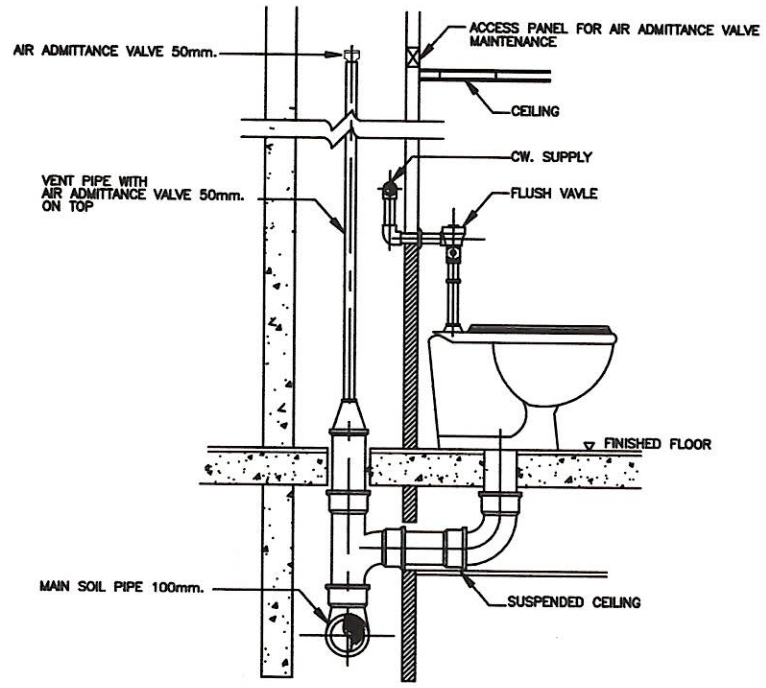
WC – WATER CLOSET	PVC – POLYVINYL CHLORIDE
LAV – LAVATORY	G.I. – GALVANIZED IRON
FD – FLOOR DRAIN	KS – KITCHEN SINK
UR – URINAL	CP – CONCRETE PIPE
CO – CLEANOUT	CCB – CONCRETE CATCH BASIN
VTR – VENT THRU ROOF	DS – DOWNSPOUT
VS – VENT SYSTEM	
SS – SOIL STACK	



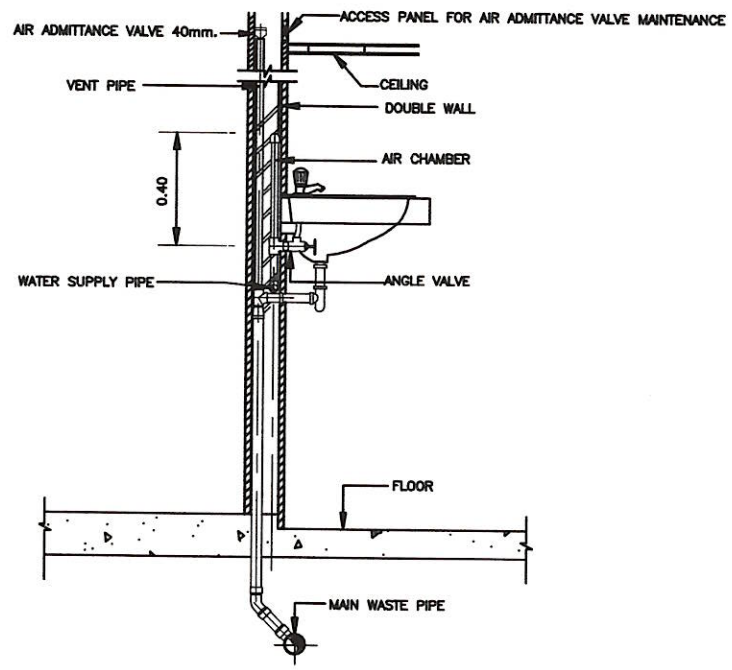
A1 / 02 - 04 — CLEAN OUT DETAILS
SCALE not to scale



P1 / 02 - 04 — TYPICAL FAUCET DETAILS
SCALE not to scale



P1 / 03 - 04 — TYPICAL WATER CLOSET DETAILS
SCALE not to scale



P1 / 04 - 04 — TYPICAL LAVATORY DETAILS
SCALE not to scale

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Republic of the Philippines
BENGUET STATE UNIVERSITY
La Trinidad, 2601, Benguet Province
Tel (074) 422-2401 TeleFax (074) 422-2176
www.bsu.edu.ph

TECHNICAL SPECIFICATIONS

"PROPOSE EXTENSION AT THE SOUTHERN PART (REAR) OF THE VETERINARY TEACHING HOSPITAL"

At
BSU Compound ,Km.5, Balili, La Trinidad, Benguet
April 2024

GENERAL PROVISIONS AND REQUIREMENTS

SECTION 1 - SPECIFIC

1. SCOPE OF WORK

a. The work covered under this contract shall include the construction of the building including supervision, labor and the supply of materials, equipment and services necessary to properly conduct and produce the desired work product. Included herein are mobilization, civil works, concrete and masonry works, carpentry, tinsmith, doors and windows, electrical works, plumbing works and painting works. General cleaning/demobilization of all temporary works and structures for an efficient, smooth and up to date completion of the contract.

2. CONTRACT DRAWINGS

a. Details and extent of work are shown on the drawings accompanying these specifications.
b. Sketches and other details not shown in plans shall be furnished by the Benguet State University architect or engineer during the pace of construction.

3. PARTS OF THE SPECIFICATIONS

a. These specification shall include the following parts whose applicable provisions are binding in the contract:

Section I	-	Specific
Section II	-	General Conditions
Section III	-	Mobilization
Section IV	-	Concrete and Masonry
Section V	-	Carpentry and Lumber
Section VI	-	Tinsmith Works
Section VII	-	Doors and Windows
Section VIII	-	Painting Works
Section IX	-	Plumbing and Water Service System
Section X	-	Electrical Works
Section XI	-	General Cleaning and Demobilization

b. Works performed under any of the following parts of the Specifications shall not be paid separately, but the cost thereof shall be considered as having been included in the lump sum contract price.

c. These specifications are intended to supplement the provisions of PD 1096 otherwise known as the National Building Code of the Philippines and its IRR in order to provide the proper design and construction. In case of discrepancies between plans and specifications, these specifications shall prevail. It is the duty of the Contractor to examine both carefully, compare and verify dimensions and data furnished by BSU in case of discrepancies between figures and drawings, the matter should be brought immediately to the BSU architect or engineer before any adjustments shall be made by the Contractor.

SECTION II - GENERAL CONDITIONS

1. WORKMANSHIP

a. All operations required under any and all parts of the Specifications shall be undertaken in a neat, workmanlike manner. Only skilled personnel with sufficient experience in similar operations shall be allowed to undertake the same.

2. CLEARING, GRUBBING, GRADING AND FILLING

a. The contractor shall clear, grub, and grade the proposed building location for a distance of four (4) meters in all directions outside the building line without extra compensation. Provided, however, that he shall not be required to clear beyond existing street lines, should the said street line be nearer than those of the four (4) meters to any building line.

3. EXCAVATION AND BACKFILL

a. The contractor shall make the necessary excavation of whatever materials maybe encountered, for all foundations to the extent required and the grade indicated on the drawings, without extra compensation.

4. ELECTRICITY AND WATER SUPPLY

a. The contractor shall provide at his own expense electricity and ample supply of fresh water, sufficient for all construction purposes.

5. INSPECTION OF THE SITE

a. The tender may deem to have been based on data, regarding physical conditions of the site. The contractor acknowledges and warrants that he has inspected and examined the site and the surroundings and has satisfied himself by submission of his bid as to the nature of the work and materials necessary for the completion of the project, the means of access to the site, the accommodation he may require, and that he has obtained for himself, all the necessary information as to risks, contingencies and other circumstances which may have influenced or affected his bid. NO increase in cost or extension of time will be considered for the failure to inspect and examine the site condition.

6. CHANGES

a. The BSU architect or engineer reserves the right to make slight changes in details of work or materials as he may deem advisable. These changes may include revision or modifications of shapes or dimensions of elements that may involve additional expenses to the contractor shall be covered by appropriate adjustment of the contract price.

7. CONFLICT BETWEEN PLANS, SPECIFICATIONS AND BILL OF MATERIALS & ESTIMATES

a. Should there be any conflict between indications on drawings, provisions in specifications, bill of materials and estimates shall be referred to the BSU architect or engineer for his/her decisions on the matter and whose opinion shall be final.

b. Any omission in the specifications of work or works to be undertaken but necessary for the completion of work, shall be undertaken by the contractor as if indicated on the drawings, without extra compensation. Such works shall be done in the usual manner as required as to quality of both materials and workmanship.

8. REJECTIONS

a. Materials or workmanship not in reasonable conformance with the provisions of these specifications shall be rejected at any time during the progress of the work. The contractor shall receive copies of reports of rejection of materials and workmanship made by the authorized technical representative of BSU. Any part of the work that he has been done and is not of the quality required by reasonable interpretation of the plans and specifications shall be torn down or removed immediately and rebuilt or otherwise remedy such work in accordance with the requirements of the plans and specifications.

9. VARIATION ORDER / CHANGE ORDER / EXTRA WORK ORDER

a. Any changes or deviations made on plans, specifications, bill of materials and estimates should be referred and reported to the BSU architect or engineer for proper documentation prior to implementation.

b. All IRR of RA 9184 regarding Variation Order, Change Order or Extra Work Order should be strictly followed.

10. ESTABLISHED GRADE LINE AND PREPARATION OF SITE

a. The contractor shall inspect and examine the individual site conditions. No increase in cost or extension of time will be considered for failure to examine site condition.

b. Care shall be taken to protect and maintain adjacent properties, trees, materials and such other facilities such as conduits, drains sewers, pipes and other wires that are to remain in the property. Restore without cost to BSU all properties may be affected during the performance of work.

c. All unusable materials and debris resulting from the performance of work shall be removed from the premises and salvageable material shall be hauled and stacked neatly by the contractor to BSU storehouse.

d. Remove all earth and sub-grade materials unsuitable for the preparation of the sub-grade for the items of construction. Clear and remove shrubs, stumps, roots and other vegetation from the site.

SECTION III - MOBILIZATION

1. SCOPE

a. The work shall include mobilization of equipment, manpower, hauling of materials, and necessary tools needed for the proper and smooth completion of the project.

SECTION IV - CONCRETE AND MASONRY WORK

1. SCOPE

a. The work includes the furnishing of labor, equipment and materials, and the performing of all necessary operations in connection with the concrete and masonry works for the rehabilitation of the building.

2. MATERIALS

a. Concrete hollow blocks (CHB) shall be of superior and approved quality of size 4"x 8"x 16", sound and free from cracks and other imperfections.

b. Sand and gravel shall be well graded and free from any deleterious materials.

c. Cement and aggregates shall be stored in a manner as to prevent their deterioration or the intrusion of foreign matter that will deteriorate the quality or which has been damaged shall be tested by standard mortar test to determine its suitability for use.

d. Mortar shall be workable, cement-sand mixture and attaining a 28-day compressive strength of 1500 psi.

e. Concrete Aggregates shall conform to the "Specifications for Aggregates" (ASTM G33 latest revision). The maximum size of the aggregates shall not be larger than one-fifth 1/5 of the narrowest dimension between side of the forms of the member of which concrete is to be used, not larger than three-fourths (3/4) of the minimum clear spacing between individual reinforcing bars in no case larger than two (2) inches in diameter.

f. Reinforcing steel bars for columns, beams, footing, pedestal walls, etc., shall be a structural grade deformed bars. Ties and stirrups of beams and columns as well as slab reinforcements may be plain bars unless noted in the plans or specified herein.

g. Forms shall conform to the shape, lines and dimensions of the members as called for on plans, and shall be substantial and sufficiently tight to prevent leakage of mortar. They shall be properly braced or tied so as to maintain position and shape.

h. Plywood, metal, plastic materials or surfaced lumber forms shall be used where it will be best give the most advantage in the specific concrete work involved.

i. Unless otherwise ordered, forms and shoring shall not be disturbed and shall remain in place for minimum period of 24-hours.

3. CONCRETE AND MASONRY WORK

a. Before placing reinforcement and before pouring concrete, remove all loose rusts, mill, oil or other adhering materials which tend to reduce or destroy band between concrete and reinforcement.

b. Reinforcing steel bars shall be cut, bent, lapped or splice as recommended by the ACI codes. Splices where permitted, shall provide sufficient lap (not less than 60 times the diameter of the bars to be deformed) to transfer the stress between bars by bond and shear, and shall secured in place by the use of tie wires not smaller than No.16 gauge. Splices in adjacent bars shall be staggered.

c. Reinforcing steel bars shall be placed accurately and secured in place by use of concrete or metal supports, spacers or ties to firmly hold them in their proper positions during pouring and setting of concrete.

d. Reinforcing steel bars shall not be bent or straightened in any manner that will injure the materials. Bars with kinks or bends shall not be used.

e. Reinforcing steel bars shall have protective covering not less than three-fourths (3/4) inches of concrete in slabs that are not exposed to the ground; not less than one and a half inches (1-1/2”), in beam, girders, and columns, and not less than (3”) for footing on soil.

f. All horizontal and vertical bars as the case maybe shall be anchored 20 bar diameters into the concrete footing, columns and beams.

g. All horizontal the reinforcement shall be tied to the vertical reinforcement at every intersection with no. 16 G.I. tie wire.

Concrete:

Design working stresses for concrete based on the following 28 days of ultimate compressive strength:

1. Footing, Columns, Bearing Walls	3,000 psi
2. Slab of fill	2,500 psi

Reinforcement:

1. All mild reinforcement steel shall be of new Billet Structural Grade (fy=33,000 psi) deformed bars conforming to ASTM A-615.
2. All detailing, fabrication and installation of reinforcing bars must follow the ACI Manual Standard Practices for Detailing Reinforced Concrete Structures (ACI-315.65).
3. All reinforcement shall be continuous with a minimum length of laps for splices as per corresponding notes in ACI Detailing Manual.

Walls:

1. See Architectural Drawings for concrete and masonry walls not shown on the structural drawings.
2. Wall reinforcement shall be wired together and double curtain braced apart.

Clearances:

Minimum concrete cover shall be as follows:

1. Footing	0.076 m clear
2. Columns	0.038 m clear

3. Walls 0.019 m clear
4. Beams 0.038 m clear
5. Slabs 0.019 m clear

Dowels:

Provide dowels for walls starting on beams.

Foundation:

1. Except otherwise shown, excavations shall be made as near as possible to the neat lines required by the size and shape of the structure.
2. Backfill shall be placed in layers not exceeding 0.15m in depth. Each layer must be moisten as directed and thoroughly compacted before placing the next layer.

Pouring Schedule and Removal of Forms:

1. The Contractor shall submit for in the approval schedule of concrete pouring and location of construction joints to the architect or engineer of the institution at least four (3) days prior to pouring.
2. All chases and openings on slabs and walls shall be approved by the architect or engineer of the institution.
3. The Contractor shall furnish and maintain adequate forms and shoring until the concrete members have attained its curing period.

Work Item	Description
1. **Foundation**	Reinforced Concrete("Class A" mixture, 1:2:4); with the necessary reinforcing bars as indicated in the structural plan.
2. **Columns**	Reinforced Concrete ("Class A" mixture, 1:2:4); with the necessary reinforcing bars as indicated in the structural plan.
3. **Beams**	Reinforced Concrete ("Class A" mixture, 1:2:4); with the necessary reinforcing bars as indicated in the structural plan.
4. Floor Slabs	
4.1 All Floor Slab	Reinforced Concrete ("Class B" mixture, 1:2.5:5); with the necessary reinforcing bars as indicated in the structural plan.
4.1.a Finishing	Non-skid tile
5. Walls	
5.1 Exterior Walls	4" Hollow Concrete Blocks (CHB) with concrete mix in the hollow core and with reinforcing bars as indicated in the Structural Plan. Plain Cement Plaster finished on both sides unless otherwise specified.
5.1.a Finishing	Semi-Gloss Latex by Boysen/Davies or equivalent
5.2 Interior Walls	Plain Cement Plaster in Paint coat finish by Boysen/ Davies or equivalent.
5.2.a Finishing	Paint Cement Plaster finish
5.2.b Divisions	
5.3 Molding	Plain Cement Plaster finish
5.3 Facade Accessories	N/A

4. CONCRETE PROPORTION AND CONSISTENCY

a. The unit of measurement shall be cubic foot. One bag of cement shall be considered as one cubic foot. Water shall be measured as to ensure the desired quantity of successive batches.

b. The re-tempering of concrete, i.e. mixing with additional cement, aggregate or water shall not be permitted.

c. Water shall be removed from excavation before concrete is deposited. Any continuous flow of water into the excavation shall be directed through side drains to a slump or be removed by other approved methods to avoid washing the freshly deposited concrete and forms shall be thoroughly wetted.

d. Concrete shall be conveyed to forms as rapidly as practicable, by methods which shall prevent segregation or loss of ingredients. There shall be no free vertical drop greater than 1.5 meters. Approval of BSU shall be obtained before starting any concrete pour. Concrete shall be worked readily into the corners and angles of the forms around all reinforcement and embedded items by depositing the concrete as close as possible to its final position in the forms.

e. If possible, concreting shall be done continuous until section is completed. When stoppage of concrete operations occurs, construction joints shall be placed either horizontal or vertically as indicated by BSU and provided with shear keys or dowels to develop bond.

f. Pouring of concrete for foundations shall be done after BSU has verified the actual soil conditions at the site and approved the start of concreting. No footing shall rest on fill.

g. The contractor shall not pour any concrete until BSU inspects and approves the conditions of forms, reinforcement and embedment's.

h. For reduction or additions, on the contract sum due to deletion or extra involved, cast-in-place concrete shall be measured in cubic meter and payment shall be based on the actual volume using the unit prices on the proposal form.

5. CURING

All concrete shall be moist in an approved method of combination applicable to local conditions. Surface of the concrete shall be kept continuously wet by covering with water, by continuously spraying, or by covering with water, by continuously spraying, or by covering with burlap or other approved materials thoroughly saturated with water and keeping the covering wet by spraying or intermittent hosing. Water for curing shall be free from any elements which might cause objectionable staining or discoloration of the concrete.

6. REPAIR OF CONCRETE

a. Imperfections shall be repaired and shall be completed within 24 hours after removal of forms.
b. Fins shall be nearly removed from exposed surfaces.
c. Damaged or honeycomb concrete must be removed to reach sound concrete and should be replaced with dry pack, rich mortar or concrete with pea gravel.
d. Voids which appear upon the removal of forms shall be drenched with water and immediately filled with materials of the same composition as that used in the surface and smooth with a wood spatula of float.
e. Large bulges and abrupt irregularities that protrude shall be removed by brushing, hammering and grinding.
f. All materials, procedures and operations used in the repair of concrete shall be approved by BSU.
g. The cost of materials, labor and equipment used in the repair shall be the sole responsibility of the contractor.

7. CONCRETE SLAB ON FILL

All concrete shall be moist in an approved method of combination applicable to local conditions. Surface of the concrete shall be kept continuously wet by covering with water, by continuously spraying, or by covering with water, by continuously spraying, or by covering with burlap or other approved materials thoroughly saturated with water and keeping the covering wet by spraying or intermittent hosing. Water for curing shall be free from any elements which might cause objectionable staining or discoloration of the concrete.

8. CONCRETE SLAB ON FILL

a. Concrete slab on fill shall be laid on a prepared foundation. Sub-grade shall be rolled, rammed, or tamped layer by layered to a thoroughly compacted foundation.

9. CEMENT FINISH FOR CONCRETE AND CHB SURFACES

a. All concrete surfaces including those indicated as "Cement Plaster" on drawings shall be given a fine finish.

b. The cement surface shall be kept wet for four (4) hours before the required finish is applied.

10. INSPECTION

a. Concrete shall be proportional, mixed, and placed in the presence of BSU representative, ample notice shall be given before mixing is recommenced.

11. CONCRETE HOLLOW BLOCKS

a. Concrete hollow blocks shall be thoroughly wetted with water and embedded-in and cemented together with mortar. All blocks shall be laid plumb, true to line with level and accurately spaced courses breaking joints with the course below. Horizontal and vertical mortar joints shall be 3/8" thick with full mortar average on the face shells and the webs surrounding the cells to be completely filled. All blocks joints shall be struck flush to smooth even surface. Provide reinforcements as shown or specified and completely fill the cell with mortar to completely encase the reinforcement.
b. Vertical and horizontal reinforcements shall be provided and hollow comes where such reinforcements run through shall be full filled with class "A" concrete. Unless otherwise indicated in the drawings, reinforcements shall consists of 10mm diameter vertical and horizontal bars spaced at 600mm on centers securely anchored to columns of frames and to the existing walls
c. Mortar for joints and finishing plasters shall consist of one (1) part cement, (2) parts of sand, and minimum amount of water. Mortar joints shall be neatly trowelled and scraped of excess mortar.
d. Prior to laying, blocks shall be uniformly moistened but not soaked; joints shall be neatly trowelled and scraped of excess mortar.

SECTION V- CARPENTRY WORKS AND LUMBER

1. SCOPE OF WORK

a. The contractor shall furnish all labor, materials, tools, and services necessary to complete all rough and finish carpentry work shown on the drawings or herein specified.

2. GENERAL

a. Lumber shall be well seasoned, dry and free from large, loose and unsound knots, spas, shakes or other imperfections that may impair its strengths, durability or appearance. All exposed wood work shall be smoothly dressed and well sand-papered.
b. All moldings shall de mitered at corners and capped at angles. Factory made doors, transoms, and windows, completely assembled with sash fitted in place, shall be used upon approval.

3. PLYWOOD BOARDS

a. All plywood boards shall be of superior quality and thickness as indicated on plans.

4. FRAMES

a. All framing doors and windows shall be done, as much as possible with carefully fitted mortise and tendon joints. Frames shall be rabbeted and cut with under cuts for water drips.

5. WALLS AND PARTITIONS

a. Partitions shall be ¼" thick plywood on 2" x 3" HORIZONTAL AND VERTICAL STUDS AT 500 mm O.C. both ways. All walls shall be doubled (unless otherwise specified), shall be kiln-dried on 2"x 3" superior quality framing.

6. MISCELLANEOUS WOODWORK

a. All other items of wood work not mentioned in the specifications not included in those items specifically excluded from the building construction, and needed to complete woodwork, shall be done in accordance with shop drawings and to be furnished later.

7. CEILING

a. Interior exterior ceiling shall be .4mmthick plywood on 19mm x 50mm double metal furring spaced at 600mm O.C. both ways or as specified on plans.

8. HARDWARES

a. The contractor shall likewise furnish and install necessary hardware to leave the work complete, although not specifically mentioned herein. All such hardware shall conform in superior quality and finish to the rest of the hardware specified. Sample shall be approved by the BSU Architect or Engineer before installing.

b. All door locksets shall be KW 400, Kwikset.

c. All entrance doors for toilets shall be provided with door knobs and specified locks.

d. 3½" x 3½" STANLEY. All flush doors with a width not more than 90cm. shall have three hinges, and four hinges, and four hinges for more than 90cm.

SECTION VI - TINSMITHRY and WELDING WORKS

1. SCOPE OF WORK

a. The work consists of furnishing all labor, tools, equipment and materials needed in the performance of operations relative to the fabrication, delivery to site, and installation, completion as required and specified.

2. MATERIALS

2.a. Roofing

a. Use 0.4mm pre-painted long span, rib type, dark green metal roofing.
b. Sheet shall be laid with end laps as indicated on the drawings, the minimum end lap shall be 30mm and the minimum side lap shall be 2 ½" rib wide. Steel sheets shall be fastened to the purlins at every alternate corrugation.
c. Ridges, valleys, and hips shall be pre-painted with minimum thickness of 0.4mm.
d. Ridge rolls shall lap at least 30cm over the roofing sheets. The ridge roll shall be fastened to the roofing sheets at every alternate corrugation.
e. Valley rolls shall lap at least 30cm over the roofing sheets. The ridge roll shall be fastened to the roofing sheets at every fourth corrugation.
f. Flashing shall be pre-painted with minimum thickness of 0.4mm. For corrugated sheets whose corrugations run parallel to the walls, one wing of the flashing sheets shall be corrugated to match the corrugations of the roofing sheets and shall be wide enough to cover at least 3 corrugations. All fascia boards shall be installed with flashings.

2.b. Roof Framing

a. Use 6mm x 50mm x 50mm Steel angles, fully welded.
b. No part of the roof frame shall be exposed to weather especially moist and rain.

SECTION VII - DOORS AND WINDOWS

1. SCOPE OF WORK

a. The contractor shall furnish all materials, labor, equipment, tools and services necessary to complete all work specified and shown on drawings. This work shall include the installation of powder coated aluminum framing.

2. ALUMINUM WINDOWS

a. The type of window shall be in accordance with the schedule of window indicated and as reflected on plans.
b. Hardware and Operation. All hardware and other attachments necessary to ensure proper operations of ventilators shall be as per manufacturer's specifications.
c. Window glass shall be of 6mm thick and 12mm thick for tempered specified designed for glazing from the outside.

3. DOORS

a. The type of doors shall be in accordance with the schedule of doors indicated and as reflected on plans.
b. Roll-up door shall be made of superior quality materials.
c. Wooden doors shall be composed of materials as specified in the door schedule where lumbers should be well seasoned, dry and free from large, loose and unsound knots, saps, shakes or other imperfections that may impair its strengths, durability or appearance. All exposed wood work shall be smoothly dressed and well sandpapered.

4. DIMENSION TO BE VERIFIED

a. All dimensions of openings as shown on drawings must be verified by the contractor.

SECTION VIII – PAINTING WORKS

1. GENERAL

a. The manufacturer's painting specification for Davies/Boysen paints or equivalent shall be considered as part of these specifications.

2. SCOPE OF WORK

a. The contractor shall furnish all labor, equipment, materials and services required to complete the entire painting work herein called for. Painting work shall include the painting of all interior and exterior masonry work, wood work, metal work, wallboards, etc., as specified herein after the required there to.
b. The contractor shall be furnish all tools, brushes, spraying equipment, tackles, scaffolding, ladders, pails, pans and other equipment required to complete the entire painting work.

3. WORKMANSHIP

a. All work shall be done by skilled painters in a workman like manner by being brushed or sprayed on the surfaces. All paints etc., shall evenly applied so as to be free from sags, runs, crawls, or other paint defects. All coats shall be of minimum brush marks. All brushes shall be clean and in good condition, heavy brushes are preferred.
b. All paints shall be thoroughly stirred so as to keep the pigment evenly in suspension when paint is being applied.
c. No paintings shall be done under conditions that are unsuitable for the production of good results. No oil painting shall be done on damp weather.
d. All coats shall be thoroughly dry before the succeeding coat is applied. Allow at least twenty-four (24) hours between coats unless otherwise specified by the manufacturer.
e. Painting coats are specified and intended to cover surfaces perfectly, if surfaces are not fully covered, further coats shall be applied to attain the desired evenness of the paint application.
f. All parts of the molding shall be left clean and true to details. All findings shall be uniform as to sheen, color, and texture except when glazing is required.

4. MATERIALS

a. All paints and painting materials shall be as manufactured by Boysen or Davies Paints Philippines Inc. or equivalent.
b. All paint materials shall be delivered at the site in their original containers, with labels intact and seals unbroken.
c. With the exception of ready-mixed materials in original containers all mixing shall be done at the jobsite. No materials are to be reduced or changed except as specified by the manufacturer of the said materials. The use of white zinc (lithopone) will not be allowed.

d. A place will be designated by the BSU architect or engineer for the storage of paint materials and tools. Whenever it may be necessary to change the location of his storage space, the contractor shall promptly move to the newly designated place. The storage space floor shall be adequately protected from damage and from paint. Paints shall be kept covered at all times and safeguarded to prevent fire.

5. COLORS

a. All colors of paint and varnishes shall be in accordance with color scheme as approved by BSU.

6. PROTECTION

a. Protect all electrical plates, surface hardware, etc. during the painting operations.
b. All floors, other surfaces and equipment shall be protected during the painting operations by any method acceptable and approved by the BSU Architect or Engineer.

7. PREPARATION OF SURFACES

a. Before applying paint finish, all surfaces must be thoroughly dry, clean and free from dust, grease, and dirt and properly prepared to receive finish. Boysen/Davies paint or equivalent and Varnish Remover shall be used.
b. No painting shall be done at any time unless the surface to be treated is thoroughly dry. The contractor shall inspect all surfaces to be painted and shall report all defects therein to the BSU architect or engineer prior to painting. The architect or engineer will cause these defects to be remedied. The commencing to the work by the contractor indicates his acceptance of the surface to be painted.
c. Wood surface shall be sand papered to a smooth and even surface duster. Blemishes on surfaces to be varnished shall be corrected. After primer stain coat all cracks and nail holes shall be filled with putty. Putty used in stained work shall batch the stained wood.
d. Brick, stucco, and concrete surfaces shall be free from excess mortar. Treat surfaces with Davies/Boysen or equivalent Masonry Neutralizer brushing the surface free of loose crystals when dry. New plaster must be allowed to dry thoroughly. Places in walls must be repaired with plastic patch-deep holes with matching plaster.
e. Metal surfaces shall be cleaned, free of mill scale, rust and foreign matter by scrapping flame cleaning, sand blasting or wire brushing. Loosed and scaling point shall be scraped and fire-brushed to sound metal surface.
f. Manufacturer's requirements for preparation of surfaces shall be considered apart of these specifications.

8. PAINTING SCHEDULE

a. Wood (ceiling)
Skim Coat : Boysen/ Davies or equivalent
Primer : Boysen/Davies or equivalent Flat Wall Enamel (verify color)
Second Coat : Boysen/Davies or equivalent Flat Latex, (verify color)
Third Coat : Boysen/Davies or equivalent Semi-gloss, Latex (verify color)

b. Exterior Wall
Skim Coat : Boysen/Davies or equivalent
Primer : Boysen/Davies or equivalent Acrytex Cast B_5715
Second Coat : Boysen/Davies or equivalent Wallguard, Semi-gloss Latex (verify color)
Third Coat : Boysen/Davies or equivalent Wallguard, Semi-gloss Latex (verify color)

c. Interior Wall
Skim Coat : Boysen/Davies or equivalent
Primer : Boysen/Davies or equivalent Flat Latex
Second Coat : Boysen/Davies or equivalent Semi-gloss Latex (verify color)
Third Coat : Boysen/Davies or equivalent Semi-gloss Latex (verify color)

d. Other Wood Surfaces
Baseboard : Boysen/Davies or equivalent (verify color)

Door Leaf : Boysen/Davies or equivalent (verify color)
Door Jamb : Boysen/Davies or equivalent (verify color)

SECTION IX - PLUMBING AND WATER SERVICE SYSTEM

1. SCOPE OF WORK

a. The works shall include the following;
- Supply and the installation of pipes and fittings for all sanitary lines and water line.
- Supply and installation of all plumbing fixture shown in the drawings and described in this specification.
- Installing a system of drain, soil, vent, waste and building sewer.
- Connecting building sewer to the constructed septic tank.

2. GENERAL

a. Piping shall be standard G.I. Pipe schedule 40 of size as indicated on the drawing or as specified herein. The main service line shall connect to the water tank.
b. Minimum fairly constant, service pressure at a point outlet discharge shall not be less than 8 psi for all fixtures except for direct flush valves, for which it shall not be less than 15 psi and except where special equipment is used requiring higher pressure.
c. Piping for sanitary lines shall be standard PVC pipe. Water closets, urinals, lavatories, sink and floor drain pipes shall connect water directly to soil pipes leading to the septic tank. Every water closet and lavatory shall be provided with individual shut-off. Every plumbing fixture shall be separately provided with vented vitae sealed trap placed close to the fixtures. The open and end of the vent pipes shall be entirely covered with no.16 mesh copper wire. Floor drains shall be nicked plated.
d. The body of clean-out ferrules shall conform the thickness of the required pipe and fittings of the same material, and shall extend not less than one quarter inch (1/4") above the hub. The Clean-out plug shall be provided with raised nut of recessed socket from removal, in accordance with the American Standard Tapered Pipe Threads.
e. Clean-out shall be of the same nominal size as the pipes up to four (4") inches and not less than four (4") inches for larger pipes.

3.PERFORMANCE TEST

a. It shall be the responsibility of the contractor to test all the system of the entire plumbing installation for proper operational condition. The test shall be conducted in the presence of the BSU Project Architect or Engineer.

4. MATERIALS

a. All plumbing fixtures shall be within the Philippine Standard.

5. PLUMBING FIXTURES AND ACCESSORIES

a. Water Closet and Lavatory and Fittings - American Standard
b. Stainless Kitchen Sink with drainboard 450mm x 800mm W-6 complete w/ fittings)

6. INSTALLATION

a. All fixtures shall be installed firmly and carefully to avoid injury to the item. They shall be installed with high quality workmanship to the satisfaction of BSU.

SECTION X - ELECTRICAL WORK

1. SCOPE OF WORK

a. Work covered by this specification shall include furnishing all labor, materials, equipment and services required to construct and install the complete electrical system shown on accompanying plans and specified herein. All work shall be in accordance with the governing codes and regulation and with the specifications,

except when the same shall conflict with such codes, etc., in which case the latter shall then govern.

b. Under this section of the specifications, the contractor shall provide all materials and equipment and perform all the work necessary for the drawings as herein specified; except as otherwise excluded, as which without excluding the generality of the foregoing, shall include but not limited to the following principal items of work.
   - A complete wiring for the exterior and interior lighting and power system, including all feeders, branch circuit and connections to all lighting power outlets.
   - All general lighting fixtures and lamps
   - Grounding system of all electrical equipment
   - Optional items of work
   - If anything has been omitted in any items of work on materials usually furnished, which are necessary for the completion of the electrical works as outlined herein before, such must be hereby included in this section of the work.

2. CODES, REGULATIONS AND ORDINANCES

a. The electrical items under this contract is to be installed according to the requirements of the latest Philippine Electrical Code, the rules and regulations of the Authority concerned and the requirements of the Power Company. Nothing contained in these specifications or shown on the drawings shall be construed as to the conflict with the National and Local Ordinances or Laws governing the installation of electrical work, and all laws and ordinances are hereby made part of these specifications, the contractor is required to meet the requirements thereof.

3. PLANS AND DRAWINGS

a. The contract drawing, which constitutes an integral part of this contract, shall serve as working drawings. They indicate the general layout of the complete electrical system and show arrangements of feeders, circuits, outlets, switches, control panel board, fixture and other works.
b. The Contractor shall follow all plans to avoid possible installation conflicts. Should drastic changes from the original plan be necessary to resolve such conflicts, the contractor shall notify the BSU Architect or Engineer and shall secure from him written approval and agreement concerning necessary changes and adjustments before alteration of the installation work will commence.

4. MINOR MODIFICATIONS

a. The plans as drawn are based upon architectural plans and details and show conditions as accurately as possible to indicate them in scale. The plans are diagrammatical and do not necessarily show all fittings, etc., necessary to fit the conditions. The locations of lighting fixtures, convenience outlets, and switches shown on plan are approximate.

5. MATERIAL STANDARDS

a. All materials shall be new and shall conform to the standard specified in the Philippines Electrical Codes and other such as IIEE for every case where such a standard has been established for the particular type of materials in questions.
b. All materials on all systems shall comply with the following specifications, unless specifically accepted, and all materials where not specified shall be of the best of their respective kind.
c. Sample of all materials shall be submitted for approval as required by BSU.
d. All electrical materials shall be new and shall meet the requirements and shall bear the inspection label, wherever standards have been established.
e. The entire installation shall be free from improper ground and from short circuits.
f. It shall be the responsibility of the contractor to test all the systems of the entire electrical installations for proper operational condition.
g. The contractor shall do all the cutting and fitting required for the installation of the electrical items and coordinate with the work of other trades, in accordance with the drawings and in the manner satisfactory to BSU.

6. WIRE AND CABLE

a. All wires shall be copper, soft-drawn and annealed, shall be of 98% conductivity shall be smooth and fine of a cylindrical form and shall within the actual size called for.
b. All wires and cables shall comply with the requirements as to the particular usage.
c. All wires and cables for lighting and power system shall be moisture and heat resistant rubber or thermoplastic insulate.
d. No wire smaller than # 12 shall be used for convenience outlet.
e. All wires and cables shall be as manufactured by PHELPS DODGE.

7. PIPES

a. Wiring shall be done in RSC and CPC pipe, for steel conduit, it shall be of standard weight mild steel hot galvanized, with an interior coating.
b. Wiring running on walls shall be in a 20mm PVC molding.
c. No wire shall be pulled into any conduit until the conduit system is completely in all details and in the case of concealed work.
d. The end of all conduits shall be tightly plugged to exclude plaster, dust and moisture while the building is in the process of construction. All conduit ends shall be reamed to remove all burrs.

8. OUTLETS BOXES AND FITTINGS

a. All outlets of whatever kind for all system there shall be provided suitable fitting, which shall be either a box or other device especially designed to receive the type of fittings to be mounted thereon.

9. JUNCTION AND PULL BOXES

a. Junction and pull boxes (PVC) shall be provided as indicated or as required for facilitating and pulling of wires and cables. Junction and pull boxes in finished places shall be located and installed with the permission and to the satisfaction of the BSU Architect and Engineer.

10. WALL SWITCHES

a. Wall switches shall be rated at 15 amperes, 240 volts, one way or as required.

11. INDIVIDUAL BREAKER AND SWITCHES

a. Provide individual circuit breakers, safety switches and disconnect switches as where indicated. Voltage ratings shall be suitable in each case of service application.
b. Enclosure shall be in General Purpose and shall be almost all the requirements and specifications of the Philippine Electrical Code.
c. Breakers shall be capable of being closed and operated by hand without employing any other source of power.
d. Safety and disconnected switches shall be fusible and non-fusible as required end of sizes as indicated in plans.

12. LIGHTING SYSTEM

a. The lighting system shall be complete in every respect, all indicated on the plan or specified.

b. All works for the lighting system inside the ceiling shall be done utilizing knob and tube work and lighting circuits shall be balanced at panels.

c. Mounting heights of devices shall be as follows;

- Local switches 4' to 5'
- Convenience outlet 12" above the floor or above the counters, or as directed by the BSU Engineer / Architect.

d. Install all lighting fixtures and lamps as specified or at the locations shown in plans or as directed by BSU engineer or architect. All lighting fixtures to be installed shall be LED or CLF.

e. Submit samples of each fixture to the BSU architect for approval prior to installation.

SECTION XI - GENERAL CLEANING AND DEMOBILIZATION

1. SCOPE OF WORK

a. Upon the completion, the contractor shall remove from the building all the materials and debris created by him, and leave his part of the work in a clean and finished condition acceptable to the owner. Washing and polishing of window glass and all other glazing works shall be done by him.

SPECIAL PROVISIONS

1. START AND COMPLETION OF WORK

The contractor shall start the work within five (5) calendar days after specified date in the notice to proceed given to by BSU and he shall complete the work within the agreed number of calendar days.
All salvage materials shall be turned over to the BSU main campus storehouse.

2. CONSTRUCTION MEN IDENTIFICATION

The contractor shall provide all his men working in the project with identification cards at the project site that BSU required.

3. ACCIDENT

The contractor shall provide, at the site, such medical facilities which are necessary to supply the first aid of anyone who may be injured in connection with the work. The contractor must promptly report in writing to BSU all accidents whatsoever arising out of or in connection with the performance of the work, whether on, or adjacent to the site, which cause death, personal injury, on property damages giving full details and statement of witnesses.

4. COST AND FIGURE DISCREPANCIES

In case of discrepancies between costs and total bid cost, the latter shall govern. In case of error between price in words and figures occurs, the price in figures shall be considered as the bid.

5. PROTECTION

The contractor shall protect the work of all other trades against damage or injury by his employee, or by his material, tools or utensils used in connection with this contract. Any damage done by him or his employees shall be repaired at his own expense, without any additional compensation beyond the contract price.

The contractor shall be held responsible for the repairs to have own or other made necessary by the defective workmanship or careless of other crafts.
Any damage to any part or part of the structure of the structure of the building caused by the contractor shall be repaired at his own expense.

6. WARRANTY AND GUARANTEES

The contractor shall guarantee all works specified are free from the defective workmanship and materials, and will remain so far for a period of 1 year from the date of acceptance of the work. Any defects, appearing within the aforesaid period, shall be remedied by the contractor at his own expense.

7. WORKMANSHIP

The work throughout shall be executed in the best and most thorough manner under the redirection of and to the satisfaction of the BSU Engineer and Architect and shall have the power to reject any works and materials which, in his judgment, are not in full accordance therewith.

8. MANNER OF PAYMENT

The contractor shall be paid through progress billing and shall submit a request for the payment corresponding to the percentage of work accomplished with statement of work accomplishment and the project photos before and after each activity as attachment. Such request shall be verified by the monitoring and inspection committee or its duly appointed representative. Benguet State University shall have the right to deduct from the contractor's progress billing such amount as may be necessary to cover the third party's liabilities, as well as the uncorrected defects in the projects.
The payment shall be subjected to retention of ten percent (10%) referred to as the "retention money" in accordance with pertinent provisions of RA 9184.

Prepared by:

MAYLYN A. DE VERA
PDO I-PMU

Republic of the Philippines
BENGUET STATE UNIVERSITY
La Trinidad, Benguet
Tel No. (074) 661-1839

BAGONG PILIPINAS

CERTIFICATE OF SITE INSPECTION REPORT

This is to certify that _____
(Name of Bidder or Technical Representative)

of _____
(Name of Entity)

with office address at _____

_____ had inspected the site/location for

the project: _____

located at _____

This certification is issued to Mr /Ms _____
(Name of Bidder or Representative)
as a part of his/her Technical Proposal.

Issued this _____ of _____, 2024.

Note: to be signed by the authorized representative from Project Management Unit (PMU)