



Bids and Awards Committee (BAC) - Infrastructure

INVITATION TO SUBMIT QUOTATION

April 12, 2024

Reference Number: 2024-339

Name of Project: CLUSTER REPAIR AND UPGRADING OF VARIOUS ACADEMIC LABORATORIES

Project Location: BSU Compound, Km 6, La Trinidad, Benguet Approved Budget for the Contract (ABC): Php. 1,800,000.00

Contract Duration: 72 calendar days Source of Fund: 2024 GAA-MOOE

I. Introduction:

A. The Benguet State University, through the Bids and Awards Committee (BAC), is inviting registered contractors with valid license issued and classified by the Philippine Contractors Accreditation Board (PCAB) to bid for the above stated project. The project is a Repair and Upgrading of four (4) academic laboratories having a total area of 199.00 sq.m.

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
А	General Requirements
В	CRAC Laboratory of the College of Forestry
	1. Siteworks
	2. Masonry Works
	3. Electrical Works
	4. Plumbing Works
	5. Architectural Finishings
C.	Sensory Laboratory of the College of Home Economics and Technology
	1. Masonry Works
	2. Electrical Works
	3. Plumbing Works
	4. Architectural Finishings
	5. Fire Safety
D.	Floriculture Biotechnology Laboratory of the College of Agriculture
	1. Site works
	2. Reinforced concrete Works
	3. Roofing Works
	4. Masonry Works
	5. Electrical Works
	6. Architectural Finishings
E.	AC 208 Laboratory of the College of Agriculture
	1. Site Works
	2. Electrical Works
	3. Plumbing works
	4. Architectural Finishings

III. Technical Personnel Required

- a. 1 Site Engineer/ site Architect full time
- b. 1 Safety Officer/ Practitioner part time
- c. 1 Master Electrician
- d. 1 Master Plumber
- e. 4- Construction Foreman
- IV. List of Equipment must be in good condition
 - a. 1 Truck (2.-5 MT)
 - b. 1 Bagger Mixer
 - c. 1 Concrete Vibrator
 - d. 1 Welding Machine
 - e. 1 Submersible Water Pump (1.5 HP)
- f. 1 Bar Bender
- g. 1 Cutting Outfit
- h. 8 H-Frame 1.7mx1.2m, set
- i. Various Power tools
- j. Various Minor Tools
- 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)
 - 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 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 <u>starting April 16, 2024</u> 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 <u>April 23, 2024</u> at 10:00 AM at the Procurement Management Office (PMO), 1st Floor, Administration Building, BSU, La Trinidad, Benguet.

c. Opening of Quotation

April 23, 2024 at 10:00 AM at the VP Adfin Conference Hall, 2/F BSU Administration Building, La Trinidad, Benguet.

For further information, please refer to:

BAC Secretariat Committee

Benguet State University-La Trinidad Campus Tel No. 661-1839; 0950-603-2749 Email: procurement@bsu.edu.ph

(Sgd) SAMUEL S. POLIDEN
Chairperson
Bids and Awards Committee

COMPANY LETTER HEAD

PROJECT PROGRAM OF WORKS

PROJECT		CLUSTER REPA	IR AN	ID U	PGRADING OF VA	RIOUS A	CADE	MIC LABORAT	ORIES	
	LOCATION : OJECT COST :	BSU La Trinidad	d Cam	pus						
	DURATION:	,	72 C.D)	INCLUSIVE OF:	10	HINW	ORKABLE DA	YS	
	NTATION MODE:						01111			
	PROJECT DESCRIPTION	N			PMENT NEEDED	NO		EQUIPME	NT NEEDED	
			NO 1	Tru	DESCRIPTION ck (2-5 MT)	NO. 1	Bar F	Bender	ESCRIPTION	
				Bag	ger Mixer	1	Cuttir	ng outfit		
The project	ct is a repair and upgrading of fo	ur (4) academic	1	Cor	ncrete Vibrator Iding Machine	8		ame 1.7m x 1.2 ous Power tools		
	s having a total area of 199.00 s		1		Cutter	1		ous Minor tools		
			1		mersible Water		•		L PERSONEL	
			'	Pun	np 1.5 hp					
						NO.	Cito I	D Engineer/ Site A	ESCRIPTION	
						1	Safet	y Officer (Part-	time)	
						4	Cons	truction Forema		
						1		er Electrician er Plumber		
						1	IVIGOR	or r larribor		
ITEM NO.	DESCRI				% WEIGHT	QUAN	ΓΙΤΥ	UNIT	UNIT COST	TOTAL COST
A.	GENERAL REQUIREMEN	ITS								
a.	Mobilization/Demobilization					1.00		lot		
b.	Project Billboard					1.00		lot		
C.	Safety and Health					1.00)	lot		
В.	CRAC LABORATORY OF	CF								
I.	SITEWORKS						•			
a.	Clearing, Grubbing and Cleaning	ng				33.5	6	m²		
II.	MASONRY WORKS					21.2	7	2		
a.	CHB Laying					28.2		m²		
b. III.	Plastering and topping ELECTRICAL WORKS					20.2	.1	m²		
a.	Conduits and boxes					11.0	Λ	pcs.		
b.	Wires and Wiring Devices					7.00		sets		
C.	Electrical Fixtures					4.00		sets		
IV.	PLUMBING WORKS							0010		
a.	Pipe Lines					21.0	0	lm		
b.	Plumbing Fixtures					5.00)	units		
٧.	ARCHITECTURAL FINISHING	S								
a.	Tile Works (Unglazed Tiles)					4.0	5	m²		
b.	Tile Works (Glazed Tiles)					11.7		m²		
C.	Painting Works					22.9		m²		
d.	Hollow Core Flush Door					4.20		m²		
e.	Aluminum Windows					3.5		m²		
f.	Drywall Partition					32.4		m²		
g.	Steel Gate	V OF CUET				2.92	<u> </u>	m²		
C.	SENSORY LABORATOR MASONRY WORKS	T OF CHET								
	CHB Laying					1.50)	m²		
а. b.	Cement Plaster Finish					2.00		m²		
II.	ELECTRICAL WORKS					2.00	-	"		
a.	Conduits, Boxes, and Fittings					110.0	00	lm.		
b.	Wires and Wiring Devices					110.0		lm.		
C.	Electrical Fixtures					23.0		sets		
d.	Panel Board/ Boxes/ Breaker					8.00		set		
III.	PLUMBING WORKS									
a.	Pipe Lines					25.0		lm.		
b.	Plumbing Fixtures					1.00		set		
C.	HVAC (Heating, Ventilation and					3.00)	sets		
IV.	ARCHITECTURAL FINISHING	S								
a.	Dry Wall Partition					14.3		m²		
b.	Granite works					2.00		m²		
C.	Aluminum Windows					2.60		m²		
d.	Aluminum Glass Doors					5.98		m²		
е.	Painting Works				Page 1	14.3	1	m²		İ.

Page 1

f.	Modular Cabinets and Furnitures	17.00	units	
VI.	FIRE SAFETY	2.00	units	
D.	FLORICULTURE BIOTECHNOLOGY LABORATORY OF CA	A		
I.	SITE WORKS			
a.	Clearing and Grubbing	8.96	m³	
b.	Structural Excavation - common earth	6.74	m³	
C.	Embankment from Structure Excavation	8.46	m³	
II.	REINFORCED CONCRETE WORKS			
a.	Gravel Bedding	1.57	m³	
b.	Steel Works	500.59	kgs.	
C.	Formworks and falsework	22.96	m²	
d.	Concrete Works	3.32	m³	
e. 	Structural Steel Framing	61.68	kgs	
III.	ROOFING WORKS	405.00		
a.	Structural Steel Roof Framing	105.36	kgs.	
b.	Roof Sheeting and Accessories	15.05	m²	
IV.	MASONRY WORKS	22.40	2	
a.	CHB Laying	23.40 46.80	m²	
b. V.	Plastering ELECTRICAL WORKS	40.00	m²	
		F 00		
a.	Conduits and boxes	5.00 6.00	pcs.	
b.	Wires and Wiring Devices Electrical Fixtures	1.00	sets	
c. d.	Panel Board/ Boxes/breakers	3.00	set	
a. VI.	ARCHITECTURAL FINISHINGS	3.00	sets	
	Ceiling - 1/4" Plyboard on metal frame	15.05	m²	
a. b.	Painting Works	65.57	m² m²	
D. C.	Tile Works (Unglazed)	9.61	m ²	
c. d.	Aluminum Windows	2.40	m²	
E.	AC 208 LABORATORY OF CA	2.40	111	
<u>.</u>	SITE WORKS			
a.	Clearing and Grubbing	112.34	m³	
II.	ELECTRICAL WORKS	112.04	- ""	
a.	Conduits, Boxes, and Fittings	135.00	lm.	
b.	Wires and Wiring Devices	350.00	lm.	
C.	Electrical Fixtures	8.00	sets	
d.	Panel Board/ Boxes/ Breaker	7.00	sets	
III.	PLUMBING WORKS		5015	
a.	Plumbing Fixtures	1.00	unit	
IV.	ARCHITECTURAL FINISHINGS			
a.	Ceiling Works	101.76	m²	
b.	Vinyl Tileworks	101.76	m²	
C.	Dry Wall Partition	75.24	m²	
d.	Aluminum Window	3.20	m²	
е.	Hollow Core Flush Door	11.25	m²	
f.	Fabricated Foldable Partition with Sound Proofing	9.57	m²	
g.	Painting Works	186.57	m²	
h.	Pantry Sink w/ cabinetry (including counter)	6.48	m²	
	TOTAL ESTIMATED PROJECT COST			
	BREAKDOWN OF ESTIMATED PROJ	ECT COST		TOTAL COST
Α.	DIRECT COST			IOTAL GOOT
	EQUIPMENT			
	LABOR			
	MATERIALS			
В.	INDIRECT COST			
	OCM			
	CONTRACTOR'S PROFIT			
	TAXES			
C.	PROJECT COST(TOTAL A+B)			
ESTIMAT	ED PROJECT COST (EPC) in words			
	submit the foregoing bid; and that I understood the terms and condition	ns of the contract		
1	Name of Bidder (Signature over prin	ted Name)		
1	Name of Firm			
	Date			



Republic of the Philippines **BENGUET STATE UNIVERSITY**



La Trinidad, Benguet Tel No. (074) 661-1839

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 fo
the p	roject:	
locat	ed at	
	This certification is issued to Mr /M	
as a p	part of his/her Technical Proposal.	(Name of Bidder or Representative)
	Issued this	2024

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

CONTRACTOR'S LETTERHEAD

Project	REPAIR AND UPGRADING OF VARIOUS AC	ADEMIC LABORAT	ORIES					
Owner	Benguet State University							
	E	BILL OF MATERIALS	S AND QUANT	TITIES				
A.	GENERAL REQUIREMENTS							İ
a.	Mobilization/Demobilization	1	lot					
1	labor	no.	dai	ly rate		amount		
2	equipment (rental based on ACEL rates)	unit	dail	y rental	no of days	amount		
		output rate		<i>(</i>		days to complete		
3	Truck (2-5 MT)	1 quantity	unit		4			
J	material & description	quanus	<u>/</u>	<u>CITI</u>	t cost	amount		-
	Total Direct Cost (1 + 2 + 3)				-		***************************************	
	OCM (OVERHEAD, CONTINGENCIES & MISCELI	LANEOUS EXPENSES	S)	of item 4				
	Contractor's Profit Tax	***************************************	796	of item 4 of item 4+5+6				-
	Total Unit Cost (4 + 5 + 6 + 7)	41.4	Php	or none a . O . O	-		cost per item	
b.	Project Billboard	. 1	lot					
1	labor	no.	da	ily rate	no of days	amount	-	
	"""compliant to COA billboard requirement skilled labor	production rate		/day		days to complete		
	unskilled labor			/day		_		
2	equipment (rental based on ACEL rates)	unit	dail	y rental	no of days	amount		ľ
	minor tools (10% of Labor Cost)	output rate		-		days to complete		ŀ
3	material & description	quantity	1	ирі	t cost	əmount	-	
	Printed Tarpulin (8ft x 8ft)	5.76	sq.m.		/sq.m.	=		1
	Ordinary Pływood Good lumber	2 40.5	pcs bd.ft		/pc /bd.ft	-		
	Assorted CWN	40.5 1	kg		/ba.n	-		ŀ
	Total Direct Cost (1 + 2 + 3)				-			
	OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES		of item 4				
	Contractor's Profit Tax			of item 4 of item 4 + 5 + 6		100 ha 1 ma 1		
8	Total Unit Cost (4 + 5 + 6 + 7)		Php	Di Kelli 4 3 0			cost per item	
C.	Safety and Health	1	lot		grant and according			Ī
1	labor	ло.	da	ily rate	no of days	amount	•	
	Safety Officer (Part Time)	production rate 1	•	/day		days to complete		ľ
				,,				l
. 2	equipment (rental based on ACEL rates)	unit	daii	y rental	no of days	amount		
	minor tools (10% of Labor Cost)	output rate	-	-		days to complete		
3	material & description	quantity	v	uni	t cost	amount		ŀ
	assorted warning and safety signages	1	101		Aot		b	ľ
	canvass (for jobsite perimeter enclosure/fencing)	4	roli		/roll	-		
	vest safety shoe/ boots	6	pcs. pcs.		/pc. /pc.	-		
	safety gloves	6	pcs.		/pc.	-		
	skull guard/ hard hat	8	pcs.		/pc.	-		
	safety harness first aid kit	4	pos. unit		/pc. /unit	-		
	Total Direct Cost (1 + 2 + 3)				7 W1 179	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
5	OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES		of item 4		100		
6	Contractor's Profit Tax			of item 4 of item 4 + 5 + 6		**************************************		
	Total Unit Cost (4+5+6+7)		Php		•	eri Hadayan Mara Terra	cost per item	+
·	11/2				TOTAL	. AMOUNT	=	İ
B.	CRAC LABORATORY OF CF							İ
Į.	SITEWORKS							I
a.	Clearing, Grubbing and Cleaning	33.56	m²	iksrate	pa ad dase			ļ
	labor ***removal of existing partition	110. production rate	j da	ily rate m²/manhour	no of days	days to complete	-	-
	lead man	1		/day				I
	unskilled labor			/day		_	Υ	ļ.
2	equipment (rental based on ACEL rates)	unit output rate	: dai	ly rental m³manhour	no of days	amount days to complete	<u> </u>	
	Truck (2-5 MT)	1	unit	res secontarion		any to verifying		•
	miner tools (10% of Labor Cost)	······				-	y	
3	malerial & description	quantit	у	un	it cost	amount	-	
4	Total Direct Cost (1 + 2 + 3)				-			+
5	OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSE		of item 4	-			ľ
	Contractor's Profit			of item 4				
	Tax Total Unit Cost (4+5+6+7)		0% Php	of item 4 + 5 + 6	-		cost per item	
11.	MASONRY WORKS		, ,,,				and has mare	İ
a.	CHB Laying	21.27	m²				,,,	

			dai	i roto	of days		
1 labor	no. production rate		uan	y rate m²lmanhour	no of days	amount days to complete	
leadman	3			/day		-	
skilled labor				/day		-	
unskilled labor				/day		-	
2 equipment (rental based on ACEL rates)	unit	.i	daily	rental	no of days	əmount	
minor tools (10% of Labor Cost)	output rate			unit/manhour		days to complete	
3 material & description	quantity			/day	cost	- amount	
100mm tink, CHB		pcs.		40 M	/pc.	amount -	
cement		bags			/bag	_	
sand	0.94	m³			/m³	-	
10mm dia reinforcing steel	68.90				/kgs.	-	
#16 G.I. tie wire	1.06	i kgs.		***************************************	/kgs.		
4 Total Direct Cost (1 + 2 + 3)	MACONO EVOENOCO	,				·	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL) 6 Contractor's Profit	ANEOUS EXPENSES)			of item 4 of item 4			
7 Tax				of item 4 + 5 + 6		·	
8 Total Unit Cost (4 + 5 + 6 +7)			Pho	OF NEW 4 + 3 + 0			cost per item
b. Plastering and topping	28.27	m	_				cost per teem
1 labor	no.			v rate	no of days	amount	
	production rate			m 4manhour		days to complete	militario minimida e de la constanta
leadman	,			/day			
skilled labor				/day		-	
unskilled labor				/day		-	
2 equipment (rental based on ACEL rates)	unit	1	daily	rental	no of days	amount	
+ + + //=-/	output rate			unitmanhour		days to complete	
minor tools (10% of Labor Cost)				/day		<u> </u>	
3 material & description	quantity	h		uni	cost	amount	
cement	6 0.41	bags m³			/bag	-	
4 Total Direct Cost (1 + 2 + 3)	U.41				/m³	b	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	ANFOLIS EYPENSES		/10/4	of item 4	= 		
6 Contractor's Profit	THE COO LAT ENGES!			or item 4			
7 Tax		***************************************		of item 4+5+6			
8 Total Unit Cost (4+5+6+7)			Php	GI ROW 4 - D - D			cost per item
II. ELECTRICAL WORKS	1000	1.37					ooc por near
a. Conduits and boxes	11	pes.	1. 1				
1 labor	no.	1	dail	y rate	no of days	amount	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
"installation of PVC Conduit pipe	36						
	production rate			lm/manhour		days to complete	
leadman leadman				/day		-	
skilled taber				/day		-	
unskilted labor			,	/day			
***installation of boxes	11						
leadman	production rate			p¢/manhour		days to complete	
skilled labor				/day /day		-	
unskilled labor				/day		-	
2 equipment (rental based on ACEL rates)	unit			rental	no of days	amount	
e Adultational Laurent pages and Laurent Miles	output rate			unit/manhour	: 100 or days	days to complete	
H-Frame	2					only to complete	
				/uav			
minor tools (10% of Labor Cost)				/day /day		-	
3 material & description	quantity			/day	t cost	amount	
minor tools (19% of Labor Cost) 3 material & description 20mm⊘ x 3 m PVC Conduit Pipe	quantity 7	pcs.		/day	cost /pc.	amount -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe	quantity 7 5	pcs.		/day		amount -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type	quantity 7 5 7	*		/day	/pc. /pc. /pc.	arnount - - -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type	quantity 7 5 7 4	pcs. pcs. pcs.		/day	/pc. /pc. /pc. /pc.	amount -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings	quantity 7 5 7 4	pcs. pcs.		/day	/pc. /pc. /pc.	amount -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3)	7 5 7 4 1	pcs. pcs. pcs.		/day uni	/pc. /pc. /pc. /pc.	amount -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	7 5 7 4 1	pcs. pcs. pcs.	0%	/day unii	/pc. /pc. /pc. /pc.	amount -	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit	7 5 7 4 1	pcs. pcs. pcs.	0% 0%	/day unii cof item 4 of item 4	/pc. /pc. /pc. /pc.	amount	
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax	7 5 7 4 1	pcs. pcs. pcs.	0% 0% 0%	/day unii	/pc. /pc. /pc. /pc.	amount	Med nor item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7)	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0%	/day unii cof item 4 of item 4	/pc. /pc. /pc. /pc.	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs.	0% 0% 0% Php	day unii cf item 4 of item 4 of item 4	/pc. /pc. /pc. /pc. /pc		cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0% 0% Php	/day unii cof item 4 of item 4	/pc. /pc. /pc. /pc.	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0% 0% Php	day unii cf ilem 4 of ilem 4 of ilem 4+5+6	/pc. /pc. /pc. /pc. /pc	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4 of item 4+5+6	/pc. /pc. /pc. /pc. /pc		cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 +7) b. Wires and Wiring Devices 1 labor ****Installation of wires	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4+5+6 fly rate Im/manhour	/pc. /pc. /pc. /pc. /pc	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor ""Installation of wires	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4 of item 4+5+6	/pc. /pc. /pc. /pc. /pc	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Gonduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor ""Installation of wires leadman skilled labor	7 5 7 4 1 ANEOUS EXPENSES)	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4+5+6 fy rate im/manhour /day	/pc. /pc. /pc. /pc. /pc	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor """Installation of switches	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4+5+6 iy rate im/manhour /day /day /day /day	/pc. /pc. /pc. /pc. /pc	amount	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor leadman skilled labor unskilled labor unskilled labor unskilled labor leadman skilled labor unskilled labor leadman	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4+5+6 Immanhour Iday Iday Iday Iday Iday Iday Iday Iday	/pc. /pc. /pc. /pc. /pc	amount days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor """Installation of switches leadman skilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4+5+6 y rate im/manhour /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc	amount days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor leadman skilled labor unskilled labor unskilled labor unskilled labor leadman skilled labor unskilled labor leadman	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4+5+6 Immanhour Iday Iday Iday Iday Iday Iday Iday Iday	/pc. /pc. /pc. /pc. /pc	amount days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor unskilled labor unskilled labor unskilled labor unskilled labor unskilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate	pcs. pcs. pcs. lot	0% 0% 0% Php	of item 4 of item 4 of item 4 of item 4+5+6 fy rate im/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc /pc /pc /pc	amount days to complete days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor """Installation of switches leadman skilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate	pcs. pcs. pcs. lot	0% 0% 0% Php	cf item 4 of item 4 of item 4 of item 4+5+6 fy rate immanhour iday iday iday iday iday iday iday iday	/pc. /pc. /pc. /pc. /pc	amount days to complete days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor ""Installation of wires leadman skilled labor unskilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate unit output rate	pcs. pcs. pcs. lot	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4+5+6 fly rate im/manhour iday iday iday iday iday iday iday iday	/pc. /pc. /pc. /pc. /pc /pc /pc /pc	amount days to complete days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Conduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor ""Installation of wires leadman skilled labor unskilled labor unskilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) H-Frame	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate	pcs. pcs. pcs. lot	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4 + 5 + 6 fly rate im/manhour iday iday iday iday iday iday iday iday	/pc. /pc. /pc. /pc. /pc /pc /pc /pc	amount days to complete days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Gonduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor ""Installation of wires leadman skilled labor unskilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) H-Frame minor tools (18% of Labor Cost)	7 5 7 4 1 ANEOUS EXPENSES) 7 110. production rate 3 production rate unit output rate 2	pcs. pcs. pcs. lot	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4+5+6 fly rate im/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc /pc /no of days	amount days to complete days to complete amount days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Gonduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate unit output rate 2 quantity	pcs. pcs. pcs. lot	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4+5+6 fly rate im/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc /pc /no of days	amount days to complete days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Gonduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate unit output rate 2 quantity 40	pcs. pcs. lot sets	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4+5+6 fly rate im/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc. /pc /pc /no of days	amount days to complete days to complete amount days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Gonduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate unit output rate 2 quantity 40 25	pcs. pcs. lot sets im im	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4+5+6 fly rate im/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc. /pc /pc /no of days	amount days to complete days to complete amount days to complete	cost per item
3 material & description 20mm⊘ x 3 m PVC Conduit Pipe 25mm⊘ x 3 m PVC Conduit Pipe Utility Box, pvc, deep type Junction box, pvc deep type Gonduit connectors/fittings 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) b. Wires and Wiring Devices 1 labor """Installation of wires leadman skilled labor unskilled labor	7 5 7 4 1 ANEOUS EXPENSES) 7 no. production rate 3 production rate unit output rate 2 quantity 40	pcs. pcs. lot sets	0% 0% 0% Php dai	of item 4 of item 4 of item 4 of item 4+5+6 fly rate im/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /pc. /pc /pc /no of days	amount days to complete days to complete amount days to complete	cost per item

Circuit Breaker, 15 AMI		pcs			/pc	•	
Circuit Breaker, 20 AMI		pcs			/pc	•	
Circuit Breaker,30 AM Electrical tape (bio		pc !!			/pc	*	
4 Total Direct Cost (1 + 2 + 3)	3	roll			/roll	-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCE	LLANEOUS EXPENSES)	: :	0%	of item 4			
6 Contractor's Profit	LED-WILLOUGEN ENGLO		FRIABLES	of item 4			
7 Tax		*****************		of item 4 + 5 + 6			***************************************
8 Total Unit Cost (4+5+6+7)			Php				cost per item
Electrical Fixtures	4	sets		Maria Maria Maria			11 11 1.
1 labor	130.		dai	ly rate	no of days	amount	10.00
	production rate			setimanhour		days to complete	
ieadma	•••			/day		-	
skilled labo				/day		-	
unskilled labo 2 equipment (rental based on ACEL rates)		······································		/day		· -	***************************************
2 Cybianien (rental based on AGEL rates)	unit output rate		gan	/ rental unit/manhour	no of days	amount	
H-Fram	ie 2			/day		days to complete	
minor tools (10% of Labor Cost				/day		-	
	,			,			
3 material & description	quantity			un	it cost	amount	Billian III
2 x 36 watts T8 LED tubes with housing and diffuse		sets		*	/set	-	ede en eje ege dejember melem i kali ka zu.
LED_Light, Surface type, 6" &		sets			/set	-	
consumables (3% of Material Cost	t)	174.1					
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINUE NOISE & MICH.	II SMEAUS EVENIEN		A.		***************************************		
5 OCM (OVERHEAD, CONTINGENCIES & MISCE 6 Contractor's Profit	LLANEOUS EXPENSES)			of item 4	я.		
7 Tax				of item 4			
8 Total Unit Cost (4+5+6+7)			Pho	of item 4 + 5 + 6			
V. PLUMBING WORKS		integration	гир		ged over 16 september 20 Geografische Statemer 2		cost per item
i. Pipe Lines	21	lm			veniment freedstrift Majne filesomer veni		
1 labor	110.	E PE	dai	ly rate	no of days	amount	
	production rate			unitimanhour	or days	days to complete	Estena i da Arega.
leadma	n			/day		-	
skilled labo)r			/day		_	
unskilled labo	yr .			/day		-	
equipment (rental based on ACEL rates)	unit		dail	/ rental	no of days	amount	
and the state of t	output rate			unil/manhour		days to complete	
minor tools (10% of Labor Cost	-T			/day			
3 material & description	quantity			un	it cost	amount	lenga iza
100mm ⊘ PVC pipe, S-100 50mm ⊘ PVC pipe, S-100	υ Ί 6 1	pc.			/pc	-	
50mm ⊗ PVC pipe, S-100 180mm ⊗ PVC elboy		pcs			/pc	-	
50 mm ⊘ PVC elboy		pes			/pc	-	
PVC4x 2" wye reduce		pcs pc			/pc	-	
PVC 4" te	J e 1	pc			/pc /pc	-	
PVC solvent cernen		cans			/pc /pc	-	
12.7mm dia. x 6m G.I. Pipe, sched. 4l	0 2	pcs			/pc		
Cleanout Se		set			/pc	-	
12.7mm dia. G.I. elboy		pcs			/pc	-	
12.7mm dia. G.i. coupling		pcs			/pc	-	
12.7mm dia.G.l. tec		pes			/pc	-	
12.7mm dia.G.I. Union		pcs			/pc	-	
consumables (5%)			14-14-11		_	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCE	LI ANEONO EVOCACE		001	-62 4			
6 Contractor's Profit	LLANEOUS EXPENSES)			of item 4 of item 4	E -		
7 Tax	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			of item 4 + 5 + 6			
8 Total Unit Cost (4+5+6+7)	18*17*181184-641		Php.	STRONG TO TO			Met ner item
. Plumbing Fixtures	5 July 100 5	units					cost per item
1 labor	no.			y rate	no of days	amount	
	production rate	16.4.416		unidmanhour		days to complete	i
leadmar	n			/day			
skilled labo				/day		-	
unskilled labo				/day			
2 equipment (rental based on ACEL rates)	unit		daily	rental	no of days	amount	
min n la 14001 - 61 1	output rate			unit/manhour		days to complete	
minor tools (10% of Labor Cost	. 5-1 2 5 1 1 8 4 1 8 1 1 4 4 4 4 4 4 4 4 4 4 4 4			/day	W #	*	
3 material & description	quantity			ยก	t cost	amount	Banaaan ka
Elongated Water Closet HGC American standard of							
equivalent with necessary fittings and accessories		set			/set	•	
(one piece)						
Wall hung Lavatory, HGC American Standard or	•						
equivalent with faucet , necessary fittings and		cate			leat		
		sets			/set	•	
accessories	8						
Urinal, HGC American Standard or equivalent with	h .						
complete accessories	2	set			/set	•	
·							
Tankless Electric Instant Water Heater-Single point	t 1	şet			/set	-	(86
4 Total Direct Cost (1 + 2 + 3)	TI ALIFATIA ELIZA						
5 OCM (OVERHEAD, CONTINGENCIES & MISCE	LLANEOUS EXPENSES)			of item 4			***************************************
6 Contractor's Profit				of item 4			
7 Tay			00/				
7 Tax 8 Total Unit Cost (4+5+6+7)			0% Php	of item 4 + 5 + 6			cost per item

***CR Floor			ya kaya a sa sa sa sa sa sa sa sa sa sa sa sa			
1 labor	по.	da	ily rate	no of days	amount	
leadman	production rate		m 4manhour		days to complete	
skilled labor			/day		-	
unskilled labor			/day /day		-	
2 equipment (rental based on ACEL rates)	unit	doi	ruay iv rental	no of days		randay sa
2 cquipment (rental blace of) AGEL (8165)	output rate	: Uan	m ²/manhour	no of days	amount days to complete	
minor tools (10% of Labor Cost)	Сидистин		/day		days to complete	
			ruuy		-	
3 material & description	quantity		uni	t cost	amount	1
0.30 m x 0.30m unglazed tiles	45	pcs	- A-1	/pc	-	1
Portland Cement	1	bag		/bag	-	
Sand	0.12	cu,m.		/cu.m.	-	
Tile Adhesive	1	bag		/bag	<u> </u>	
Tile Grout (25 kgs)	1	bag		/bag	=	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	AMEQUA EVOCADO	000	F 9 7	.14419-164-6		
6 Contractor's Profit	ANEOUS EXPENSES)		of item 4 of item 4		<u> </u>	
7 Tax			of item 4 + 5 + 6			
8 Total Unit Cost (4 + 5 + 6 +7)	L. L. L. L	Pho				cost per iten
Tile Works (Glazed Tiles)	11.70	m²				COSt per iteri
***CR Wall	11517	205				
1 labor	no.	da	ily rate	no of days	amount	į
	production rate	***************************************	m²/manhour	; no or days	days to complete	1.0002000000000000000000000000000000000
leadman			/day		-	
skilled labor			/day		-	
unskilled labor			/day			
2 equipment (rental based on ACEL rates)	unit	dai	ly rental	no of days	amount	ĭ
	output rate		m³/manhour		days to complete	
minor tools (10% of Labor Cost)			/day		т.	
2 marked to the state of the st				·		ę
3 material & description	quantity		unii	t cost	amount	
0.30 m x 0.30m glazed tiles	130	pcs		/pc	-	
Portland Cement	3	bag		/bag	-	
Sand Tile Adhesive	0.013	cu.m.		/cu.m.	-	
Tile Grout (25 kgs)	1	bag bag		/bag	-	
4 Total Direct Cost (1 + 2 + 3)	<u>1</u>	uag		/bag		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	AMENIO EYPENICECI	/10Z	of item 4	<u>-</u>		
6 Contractor's Profit	ANEOGO EXTENOEGT		of item 4		,,	
7 Tax			of item 4 + 5 + 6		3	
8 Total Unit Cost (4+5+6+7)		Pho	/ the / the fire area	-		cost per iten
Painting Works	22.98	m²		Transcription of the second		1.11V
1 labor	no.		ily rate	no of days	amount	
*** surface preparation and paint application	production rate		m²/manhour		days to complete	
leadman			/day		-	
skilled labor			/day		-	
unskilled labor	4		/day			
2 equipment (rental based on ACEL rates)	unit	, qai	ly rental m 4menhour	no of days	amount	
H-Frame	oulput rate 4		m 4mennour /day		days to complete	
minor tools (10% of Labor Cost)	7		/day			
3 material & description	quantity			t cost	amount	
Putty (Spot)	1		:		. WHIVUIL	The state of the state of the state of
Primer (Fiatwall Enamel)		Gal.		71.5994	-	
	ŀ	gal. gal.		igal Igal	-	
Semi-gloss Latex top coat (Permacoat)	1	gal. gal. gal.		/gal	-	
Semi-gloss Latex top coat (Permacoat) Red oxide primer paint	1 2	gal.			- - -	
Red oxide primer paint QDE, choco brown	1 2 2	gal. gal.		/gal /gal	-	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta"	1 2 2 2 2	gal. gal. liters liters pcs		/gal /gal /lit.	- - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat)	1 2 2 2 1	gal. gal. liters liters pcs gal.		/gal /gal /fit. /fit. /pc. /gal	- - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner	1 2 2 2 1	gal. gal. liters liters pcs gal. liter		/gal /gal /lit. /lit. /pc. /gal /lit.	- - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan	1 2 2 2 2 1 1 2	gal. gal. liters liters pcs gal. liter sets		/gai /gai /fit. /fit. /pc. /gai /fit. /set	- - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam	1 2 2 2 2 1 1 1 2	gal. gal. liters liters pcs gal. liter sets pcs		/gai /gai /fit. /pc. /gai /fit. /set /pc.	- - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush	1 2 2 2 2 1 1 1 2 2 2	gal. gal. liters liters pcs gal. liter sets pcs pcs.		/gai /gai /fit. /pc. /gai /fit. /set /pc. /pc.	- - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush	1 2 2 2 2 1 1 1 2 2 2 2	gal. gal. liters liters pcs gal. liter sets pcs pcs.		/gal /gal /fit. /pc. /gal /fit. /set /pc. /pc.	- - - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper	1 2 2 2 2 1 1 2 2 2 2 4 20	gal. gal. liters pcs gal. liter sets pcs pcs. pcs.		/gai /gai /lit. /pc. /gai /lit. /set /pc. /pc. /pc.	- - - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper # 120 sand paper	1 2 2 2 2 1 1 2 2 2 2 4 20 30	gal. gal. liters liters pcs gal. liter sets pcs pcs.		/gal /gal /fit. /pc. /gal /fit. /set /pc. /pc.	- - - - - - - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper # 120 sand paper	30	gal. gal. liters liters pcs gal. liter sets pcs pcs pcs pcs pcs pcs	of days 4	/gai /gai /lit. /pc. /gai /lit. /set /pc. /pc. /pc.	- - - - - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper # 120 sand paper 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	30	gal. gal. liters liters pcs gal. liter sets pcs pcs pcs pcs pcs pcs	of item 4	/gai /gai /lit. /pc. /gai /lit. /set /pc. /pc. /pc.	- - - - - - - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper # 120 sand paper	30	gal. gal. gal. liters liters pcs gal. liter sets pcs pcs pcs. pcs. pcs. pcs. 0 0%	of item 4	/gai /gai /lit. /pc. /gai /lit. /set /pc. /pc. /pc.	- - - - - - - - - - - - - - - - - - -	
Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper # 120 sand paper 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit	30	gal. gal. gal. liters liters pcs gal. liter sets pcs pcs pcs. pcs. pcs. pcs. 0 0%	of item 4 of item 4 + 5 + 6	/gai /gai /lit. /pc. /gai /lit. /set /pc. /pc. /pc.	- - - - - - - - - - - - - - - - - - -	cost per item
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Red oxide primer paint QDE, choco brown Putty Knife "Paleta" Semi-gloss Enamel(Top coat) Paint Thinner 9" roller handle with pan 9" roller foam 4" Paint brush 1 1/2" Paint brush # 100 sand paper # 120 sand pape	30 ANEOUS EXPENSES) 4.2 no. production rate unit output rate	gal. gal. gal. liters liters pcs gal. liter sets pcs pcs pcs pcs pcs pcs pcs pcs pcs pc	of item 4 of item 4+5+6 ity rate m?manhour /day /day /day /day y rental m²/manhour /day	/gal /gal /gal /fit. /pc. /gal /lit. /set /pc. /pc. /pc. /pc. /pc. /pc. /pc. /pc.	amount	cost per item

0.70m x 2.10m,PVC Flush Doors with jamb;	• ,	sets		/set	_	
complete hardwares and accessories consumables (5% of material cost)		lot		llat		
4 Total Direct Cost (1 + 2 + 3)		IVE		/lot	<u> </u>	71: 718816816416
5 OCM (OVERHEAD, CONTINGENCIES & MISCEL 6 Contractor's Profit	LANEOUS EXPENSES)		of item 4	-		
7 Tax	PATENTAL		of item 4 of item 4 + 5 + 6			
8 Total Unit Cost (4 + 5 + 6 + 7)		Php				cost per item
Aluminum Windows		m²				
1 labor	PO. production rate	ďa	ily rate m³manhour	no of days	amount	<u> </u>
ieadman	1		/day		days to complete	
skilled labor	1		/day		•	
unskilled labor 2 equipment (rental based on ACEL rates)	2 unit	- 40	/day			ķ
2 ogsaphion (randrabacca di) AVELTACA	output rate	Gan	ly rentai m³/manhour	no of days	amount days to complete	
minor tools (10% of Labor Cost)			/day			
3 material & description	quantity		មា	it cost	amount	
W1, 1.20m x 2.70m White Powder Coated						
Aluminum Framed Window with 6mm thick	1	set		/set	-	
glass						
W2, 0.50m x 0.60m White Powder Coated	a a					
Aluminum Framed Window with 6mm thick	1	set		/set	-	
glass						
consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)		lot	,	/lot		***************************************
5 OCM (OVERHEAD, CONTINGENCIES & MISC	CELLANEOUS EYDEN	\$ 002	of item 4		č	
6 Contractor's Profit	"ILOGO LAFLIN		of item 4			
7 Tax			of item 4 + 5 + 6			
8 Total Unit Cost (4 + 5 + 6 +7)	A.#	Php				cost per iten
Drywall Partition 1 labor	32.48			to a of store	·	
s record NE	no. production rate	i da	ily rate m 4manhour	no of days	amount days to complete	
jeadman			/day		-	
skilled labor			/day		-	
unskilled labor 2 equipment (rental based on ACEL rates)	unit	doil	/day y rental	no of dove	- general	
	output rate		y reinar m²/manhour	no of days	amount days to complete	
H-Frame	4		/day		,	
minor tools (10% of Labor Cost) 3 material & description	es se especial		/day	d and		
1/2" x 4 'x 8' Marine plywood	quantity 23	pcs	: uni	t cost /ocs	amount	<u> </u>
2" x 4" x 8", s4s Lumber	42	pes		/pcs	-	
Assorted CWN 4 Total Direct Cost (1 + 2 + 3)	10	kgs.		Лка	E-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELI	LANEOUS EXPENSES	794	of item 4	<u></u>		
6 Contractor's Profit		0%	of item 4			
7 Tax 8 Total Unit Cost (4+5+6+7)		0%	of item 4+5+6	11. 11.		
Steel Gate	2.92	Php m²				cost per item
1 labor	10.		ly rate	no of days	amount	
	***************************************				ner a protect (6	
****fabrication leadman	production rate		m²/manhour		days to complete	
skilled labor			/day		-	
Skilled labor			/day		-	
unskilled labor			/day /day		-	
unskilled labor ***installation	production rate		/day m 4manhour		days to complete	
unskilled labor	production rate		/day m 4manhour /day		days to complete	
unskilled labor ***instellation teadman skilled labor unskilled labor	production rate		/day m 4manhour		days to complete	
unskilled labor ****instellation teadman skilled labor	unit	dail	/day m³/manhour /day /day /day y rental	no of days	arnount	
unskilled labor ****instellation teadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates)		deil)	/day m²/manhour /day /day /day / rantal m²/manhour	no of days		
unskilled labor ****installation leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) H-Frame Welding Machine	unit	(dail)	/day m³/manhour /day /day /day /day /rental m³/manhour /day	no of days	arnount	
unskilled labor ****installation leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) H-Frame Welding Machine miner tools (10% of Labor Cost)	unit output rate 4 1	dail)	/day m²/manhour /day /day /day / rantal m²/manhour	no of days	arnount	
unskilled labor ****installation leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) H-Frame Welding Machine miner tools (10% of Labor Cost) 3 material & description	unit		/day m³/manhour /day /day /day /day /rental m³/manhour /day /day /day	l cost	arnount	
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unskilled labor ****installation teadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) H-Frame Welding Machine minor tools (10% of Labor Cost) 3 material & description 1.2mm x 2" x 2" x 6m Tubular 1.2mm x 1"x 1" x 6m Tubular Welding rod	unit output rate 4 1		/day m³/manhour /day /day /day /day /rental m³/manhour /day /day /day	t cost /pcs /pcs	amount days to complete	
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	no. production rate		ly rate m 4manhour	no of days	amount days to complete	
leadman	j		/day		= 3 co a constituida	
Skilled laborer			/day		-	
Unskilled laborer			/day		-	
2 equipment (rental based on ACEL rates)	unit	dail		no of days	amount	[2] S. S. S. S.
	output rate		kgs/unithour		days to complete	-territoria de la composita de
minor tools (10% of Labor Cost)	*		_		-	
3 material & description	quantity		unit co:	st	amount	
100mm thk. CHB		pcs.	/рс		-	
cement		bags	/ba		-	
washed sand	0.10		/m	3	-	
10mm diameter x 6m reinforcing steel (grade 40)		kgs.	/kg	js.	-	
#16 G.I. tie wire	1.00	kgs.	Λkς	js.	=	
4 Total Direct Cost (1 + 2 + 3)				<u> </u>	· .	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	MEOUS EXPENSES)		of item 4	lesso sur a v s	9	
6 Contractor's Profit 7 Tax	d1-d1		of item 4		· · · · · · · · · · · · · · · · · · ·	
8 Total Cost (4+5+6+7)			of item 4+5+6			A M
Cement Plaster Finish		Php		The second		cost per ite
***Preparation room sink		m²				
			4			ļ ķaramanaranars
1 fabor	no.	Can	K	no of days	amount	
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Unskilled laborer			/day /day		-	
2 equipment (rental based on ACEL rates)	unit	460		No of do	- general	To visit metric
2. Oquipment pentarivasou vii ACEL (800S)	บกก output rate	gall.		no of days	amount	I materialia
minor tools (10% of Labor Cost)	опфистаке		m Yunithour /day		days to complete	
3 material & description	quantity		ruay unit cos	d	- amanual	Talgaran sees
cement	1.00	hone			amount	1
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6 Contractor's Profit			of item 4			
7 Tax			of item 4+5+6		PT 1781 181 161 164 1	
8 Total Cost (4+5+6+7)		Php			***************************************	cost per ite
ELECTRICAL WORKS						COUR POT RE
Conduits, Boxes, and Fittings	110	lm	e is that if			4 1 2 2
1 labor	no.			no of days	amount	1
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	Two-gang switch, flush type, 10A, 230V	2	set		/set	-	
[Duplex universal convenience outlet, flush type,	13			lash		
	10A, 230V	10	set		/set	-	
	2-T-8 LED lights with open type	2	set		/set	_	
	5-watt round LED Pin light (recessed)	3	set		/set	-	
	5-watt round LED colored bulb (red/blue/green)	5	set		/set	-	
	consumables (5% of material cost)	1	lot		fot	-	
	Total Direct Cost (1 + 2 + 3)	// M. L			-		
	OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)		of item 4			
	Contractor's Profit			of item 4	-		
7 7				of item 4 + 5 + 6			
	Total Unit Cost (4 + 5 + 6 +7)		Php				cost per item
	Panel Board/ Boxes/ Breaker	8	set				
1 la		no.	i da	ily rate	no of days	amount	
5.	i.50hrs/ panel board leadman	production rate		circuitimenhour /day		days to complete	
	Skilled laborer			/day /day		0.00 0.00	
	Unskilled laborer			/day		0.00	
2 e	equipment (rental based on ACEL rates)	unit	dail	v rental	no of days	amount	
		output rate		unit/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
				ŕ			
3 n	naterial & description	quantity		uni	cost	amount	4.0000000000000000000000000000000000000
	Panel Board with Main Breaker and 6 Branches 2						
	poles	1	set		/set	-	
	Circuit Breaker, plug-in, 60A/230V (main)	4	set		/set		
	Circuit Breaker, plug-in, 60/4230V (main) Circuit Breaker, plug-in, 20A/230V	3	set		/set	- -	
	Circuit Breaker, plug-in, 30A/230V	3	set		/set	_	
	consumables (5% of material cost)	ĭ	lot		lot	-	
4 7	Total Direct Cost (1 + 2 + 3)					<u> </u>	
5 C	OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)	0%	of item 4		; ;	
6 0	Contractor's Profit			of item 4	-		
7.7			0%	of item 4 + 5 + 6	all and the second of the second		
	Fotal Cost (4 + 5 + 6 +7)		Php				cost per item
	PLUMBING WORKS						
	Pipe Lines	25	lm.				是我们是这种是"是是"
1 k	abor (cut, fabricate, instalaltion)	no.	da	ily rate	no of days	amount	
	1.1	production rate		lm/manhour		days to complete	
	leadman			/day		-	
	Skilled laborer			/day			
	Unskilled taborer		· · · · · · · · · · · · · · · · · · ·	/day	7	Y	
2 6	quipment (rental based on ACEL rates)	unit	; gan	y rental	no of days	amount	
	minor tools (10% of Labor Cost)	output rate		Im/manhour /day		days to complete	
3 n	naterial & description	quantity		.,	t cost	amount	
	(2")-50mm dia. X 2500mm PVC pipe, s-1000	5	pcs.		/pc.		i
	(1/2")-20mm dia. X 3000mm PPR pipe, PN20	8	pcs.		/pc.	_	
	assorted fittings	1	lot		/iot		
	consumables (5% of material cost)	1	lot		/lot		
	Fotal Direct Cost (1 + 2 + 3)						
5 (DCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)		of item 4	_		
	Contractor's Profit			of item 4			
7.7				of item 4 + 5 + 6			,
	Total Cost (4 + 5 + 6 + 7)	WY 20. 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Php				cost per item
	Plumbing Fixtures		A COLUMN TO THE PARTY OF THE PA				
1 k	abor	no.	: da	ily rate	no of days	amount	- 1
	t t	production rate		unit/manhour		days to complete	
	leadman			/day		-	
	Skilled laborer Unskilled laborer			/day		-	
2 ~	Onskilled laborer	s annité	i deli	/day u rento/	no of dove	amaint	
∠ e	чиртын рынагражи из АСЕСТИСS)	unit		y rental uni#manhour	no of days	amount	-
	minor tools (10% of Labor Cost)	output rate	1	Iday Iday		days to complete	
3 0	naterial & description	quantity			t cost	amount	
· · · · · · · · · · · · · · · · · · ·		- que/ruty				: wirroulf	
	single tub stainless kitchen sink ss-304 with						
	complete accessories and fittings (550 mm x 450	1	set		/set	-	
	mm) best quality						
	consumables (5% of material cost)	1	lot		/lot	-	
	Fotal Direct Cost (1 + 2 + 3)						
	DCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)		of item 4	. '		
6 0	Contractor's Profit	12- 12- 13- 13- 13- 13- 13- 13- 13- 13- 13- 13		of item 4	-		
7 7				of item 4 + 5 + 6	-		
	Total Cost (4+5+6+7)		Php				cost per item
	HVAC (Heating, Ventilation and Air-Conditioning		sets				
1 k	abor	no.	da	ily rate	no of days	amount	*
	•	production rate		unit/manhour		days to complete	
	leadman			/day		-	
	Skilled laborer			/day		-	
	Unskilled laborer			/day		-	
z e		,		المسميدات			
	equipment (rental based on ACEL rates)	unit	dail	y rental	no of days	amount	*
	equipment (rental based on ACEL rates)	unit output rate	dail	unit/manhour	no of days	amount days to complete	•
	equipment (rental based on ACEL rates) minor tools (10% of Labor Cost)	output rate	dail	unit/manhour /day	ria a minimum minimum	days to complete	
3 n	equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) naterial & description	output rate quantity		unit/manhour /day	t cost	*****************************	
3 n	equipment (rental based on ACEL rates) minor tools (10% of Labor Cost)	output rate quantity	daii set	unit/manhour /day	ria a minimum minimum	days to complete	-

split type wall mounted inverter aircon (with capacity of 1.5 HP; 21,000 Micro holes for wind- free cooling; Digital 8-pole Inverter Compressor), best quality	1	set		/set	-	
300mm dia. vent pipe with vent cap consumables (5% of material cost)	1	set lot		/set /lot	-	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCEL) 6 Contractor's Profit	LANEOUS EXPENSES)		of item 4 of item 4			
7 Tax			of item 4 + 5 + 6	-		
8 Total Cost (4+5+6+7)	(haba	Php		· · · · · · · · · · · · · · · ·	cost pe	er item
IV. ARCHITECTURAL FINISHINGS						
a. Dry Wall Partition	14.31	m² 484.44	e jakan je			
wall A wall B	7.8 6.51	m ²				
1 labor	n o .	m dai	ly rate	no of days	amount	
	production rate		m²/manhour		days to complete	
leadman			/day		-	
skilled laborer 2 equipment (rental based on ACEL rates)	unit		/day y rental	no of days	amount	
2 equipment frontal based of ACEL fatesy	output rate	.:	kgs/unithour	, no or days	days to complete	
minor tools (10% of Labor Cost)			/day		-	
3 material & description	quantity		uni	t cost	amount	•
4.5 mm thick Fiber Cement Board .4mm thick x 50mm x 75mm x 3m metal track	- 5 12	pcs.		/pc.	-	
.4mm thick x 50mm x 75mm x 3m metal stud	14	pcs. pcs.		/pc. /pc.	-	
consumables (5% of material cost)	1	lot		/lot		
4 Total Direct Cost (1 + 2 + 3)	***************************************					
5 OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)		of item 4	= :	***************************************	
6 Contractor's Profit			of item 4		ź	
7 Tax 8 Total Cost (4+5+6+7)		0% Php	of ilem 4 + 5 + 6		cost pe	ar itan
b. Granite works	2.00	m²			cost pe	SI (LETT)
***Kitchenette Counter top plus back splash	2.00	m ²	3-150-18 HOLES			
1 labor	по.		ly rate	no of days	amount	
M	production rate		m 4manhour		days to complete	
leadman skilled laborer			/day /day		-	
2 equipment (rental based on ACEL rates)	unit	dail	y rental	no of days	amount	
***************************************	output rate	1.365	kgs/unithour		days to complete	
minor tools (10% of Labor Cost)			/day		-	
3 material & description	morth		. adhair	f noot	1	
Granite slab (black galaxy or equivalent)	quantity 2.10	m²	Lita	t cost /m²	amount	<u></u>
cement	0.10	bags		/bag	-	
washed sand	0.10	m³		/m³	-	
tile grout	1.00	bags		/bag	-	
Consumables(5% of Material Cost)	1.00	lot				
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCEL	I AMENIIS EYPENSES!	00%	af item: 4		4	
6 Contractor's Profit	LAVIE COS EXFERISES		of item 4	<u>-</u>		
7 Tax			of item 4 + 5 + 6			
8 Total Cost (4+5+6+7)	***************************************	Php		-	cost pe	er item
c. Aluminum Windows	2.6	m²	erander betreet in de de de de de de de de de de de de de		anan eri bilika igi sasinaddir.	18 2 - 11
1 labor	no.	dai	ily rate	no of days	amount	
leadman	production rate		m²/manhour /day		days to complete	
skilled laborer			/day		-	
unskilled laborer			/day			
2 equipment (rental based on ACEL rates)	unit	dail	y rental	1	amount	
	output rate	0.36	m²/manhour		days to complete	
minor tools (10% of Labor Cost) 3 material & description	quantity		/day : uni	t cost	amount	
	- Goodey		, with	LGOX	; amount ;	
W40-400mm x 2600mm Powder coated aluminum	1	set		/set	-	
window, awning-fixed type (1.64 sqm)						
W78-780mm x 50mm, Powder coated aluminum				t		
window, fixed type (.39 sq. m.)	4	sets		/set	•	
consumables (5% of material cost)	1	lot		tot	_	
4 Total Direct Cost (1 + 2 + 3)	I				-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)		of item 4	P		
6 Contractor's Profit		0%	of item 4			
7 Tax		0%	of item 4+5+6	_	4	on items
8 Total Unit Cost (4+5+6+7) d. Aluminum Glass Doors	5.98	Php m²	er en en ege e e		cost pe	er item
1 labor	0.30		ily rate	no of days	amount	
1 (V/V)T		t can			LEI GENERALIE	
	no. production rate	; dai		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	days to complete	
leadman leadman	170. production rate) dai	m²/manhour /day	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
skilled laborer	170. production rate	<u>; ca</u>	m 4manhour /day /day	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
skilled laborer unskilled laborer	no. production rate		m²/manhour /day /day /day		days to complete - - -	
skilled laborer	no. production rate unit		m²/manhour /day /day /day /day y renta/	no of days	days to complete	
skilled laborer unskilfed laborer 2 equipment (rental based on ACEL rates)	no. production rate		m²/manhour /day /day /day		days to complete - - -	
skilled laborer unskilled laborer	no. production rate unit		m²fmanhour /day /day /day /grenta/ m²fmanhour /day		days to complete	

SD90- 900mm x 2600mm, powder coated Aluminum swing /door with 6mm thick clear glass plate panel	1	set			/set	-	
SD140- 1460mm x 2600mm, powder coated Aluminum swing door with 6mm thick clear glass	1	set			/set	-	
plate panel							
consumables (3% of material cost) 4 Total Direct Cost (1 + 2 + 3)	1	lot			lot	.,	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELI	LANEOUS EXPENSES)			of item 4	-		
6 Contractor's Profit 7 Tax			0%	of item 4 of item 4+5+6			
8 Total Cost (4+5+6+7)		******************************	Php	01 Nem 4+ 0+ 0	-		cost per item
e. Painting Works	14,31	m²	alad	L. pada		F	
1 labor	NO. production rate		(Jai)	ly rate m³/manhour	no of days	amount days to complete	<u> </u>
leadman	,			/day		-	
unskilled laborer 2 equipment (rental based on ACEL rates)	unit	1		/day / rental	no of days	amount	[] to 2 of \$1,000 (gr = 1)
minor tools (10% of Labor Cost)	output rate	12.6		m²/mænhour Iday		days to complete -	
3 material & description	quantily			uni	t cost	amount	
***Dry wall A and B	14.31	sam			F = 3		A
primer/sealer Semi-glosslatex <i>(two coats only)</i>	. 2	gal. gal.			/gał. /gal.	-	
Glazing Putty (Dry wall)	1	gal.			/gal.	-	
consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)	1	lot				*	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELI	LANEOUS EXPENSES)		0%	of item 4	-		
6 Contractor's Profit			0%	of item 4			
7 Tax 8 Total Cost (4+5+6+7)			Php	of item 4+5+6			cost per item
f. Modular Cabinets and Furnitures	17	units	7 110				COSE DOS ROSSI
1 lebor	no.		dai	ly rate	no of days	amount	; ; ÷
leadman	production rate			unit/manhour /day		days to complete	
Skilled laborer				/day		-	
Unskilled laborer 2 equipment (rental based on ACEL rates)	unit			lday rental	no of days	- amount	Y
	output rate		uany	Im/manhour	i iiu oi days	amount days to complete	<u> Provincio do Arto</u>
minor tools (10% of Labor Cost)				/day			·
3 material & description modular kitchen cupboard(see drawing details for	quantity			uni	t cost	amount	
specifications) Testing booths (laminated marine plywood)	4	units unit			/unit /unit		
, , ,	,						
stainless kitchen island counter (see drawing details)	2	unit			/unit	-	
stainless preparation table (see drawing details)	1	unit			/unit	-	
60cm four-burner commercial gas range with oven, best quality	1	unit			/unit		
6 seater dining table (wood)	1	unit			/unit		
swivel mesh office chair	10	unit			/unit	•	
consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)	1	lot		***************************************	/tot	<u>-</u>	
5 OCM (OVERHEAD, CONTINGENCIES & MISCEL)	LANEOUS EXPENSES)		0%	of item 4	. .	· .	
6 Contractor's Profit 7 Tax	h-!			of item 4	-		
8 Total Cost (4+5+6+7)			Php	of item 4 + 5 + 6	<u>-</u>		cost per item
VI. FIRE SAFETY	2.00	uni	ts				
1 labor	IIO. production rate	. į	dai	ly rate unit/manhour	no of days	amount days to complete	
leadman	ba oncordott i ata			/day		unya ku completë	
Unskilled Laborer 2 equipment (rental based on ACEL rates)	unit		dail	/day / rental	: no of dove	†www.	·
	uriii output rate		uan	n ²/manhour	no of days	amount days to complete	
minor tools (10% of Labor Cost)				/day	t cost		TO COMPANY THE M
3 material & description Emergency light, Best Quality	quantity 2	units		i un	t cost /unit	amount -	1.000.000.00000.00= []
20lbs ABC Fire Extinguisher with hanging cabinet consumables (5% of material cost)	2 1	units lot	16.6		/unit	-	,
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)		0%	of Rem 4		<u> </u>	
6 Contractor's Profit			0%	of item 4			
7 Tax 8 Total Cost (4+5+6+7)			0% Php	of item 4+5+6		gy Magajarang Magara - 199	cost per item
V 1000 0000 7 . 0 . 0 . 1/			, np		TOTAL	AMOUNT	-
D. FLORICULTURE BIOTECHNOLOGY LABOR I. SITE WORKS	ATORY OF CA						
a. Clearing and Grubbing	24 - 45 - 8196 (1) A - 41	m	3 9				
1 labor	no.	1	đại	ly rate	no of days	amount	<u> </u>
""demolition of masonry wall, hauling of debris lead man	production rate			m³/manhour /day		days to complete -	

skilled labor unskilled labor			/day /day		-	
2 equipment (rental based on ACEL rates)	unit	daily	y rental	no of days	amount	1,12,13
**************************************	output rate	menning and a	m³manhour		days to complete	
Truck (2-5 MT) minor tools (10% of Labor Cost)	<u> </u>	unit		0.00	=	
3 material & description	quantity		רווז	it cost	- munga	
w recommendation and analysis of the second	dranatk			n. uost	amount	
4 Total Direct Cost (1 + 2 + 3)				-		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	NEOUS EXPENSES)		of item 4		***************************************	
6 Contractor's Profit			of item 4	-		
7 Tax 8 Total Unit Cost (4+5+6+7)			of item 4 + 5 + 6			
Structural Excavation - common earth	6.736	Php m³		-	·	cost per ite
1 labor	no.		ly rate	no of days	Apparint	
i control	no. production rate	udh	ny raie m°/manhour	no of days	amount days to complete	
lead man skilled labor unskilled labor	psaursadt; ww		/day /day /day		-	
2 equipment (rental based on ACEL rates)	unit	daify	/ rental	no of days	amount	
minor tools (10% of Labor Cost)	output rate		m³/manhour		days to complete	
3 material & description	quantity		ניון	it cost	amount	1
	gannay		iurs	41 JUNE	arrount	<u> </u>
4 Total Direct Cost (1 + 2 + 3)						
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	NEOUS EXPENSES)	***************************	of item 4	-		
6 Contractor's Profit			of item 4		***************************************	
7 Tax 8 Total Unit Cost (4+5+6+7)		· · · · · · · · · · · · · · · · · · ·	of item 4 + 5 + 6			
Embankment from Structure Excavation	8,458	Php m³				cost per ite
1 labor	8.438 no.		ly rate	no of days	amount	1
	production rate	vall	m³/manhour	no or days	days to complete	
lead man	3		/day			
skilled labor			/day		-	
unskilled labor	74.101791741141141414141414141414141414141414		/day			y
2 equipment (rental based on ACEL rates)	unit [daily	rental	no of days	amount	
minor tools (10% of Labor Cost)	output rate		m¥manhour		days to complete	
miliar todo (10 to ol capor odal)					-	
3 material & description	quantity		un	it cost	amount	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tox	NEOUS EXPENSES)	0%	of item 4	-		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7)	NEOUS EXPENSES)	0%				cost per iter
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax		0% 0%	of item 4			cost per iter
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS	1.57	0% 0% <i>Php</i> m³	of item 4	no of days	amount	cost per iter
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place	1.57	0% 0% Php m³ dail	of item 4 of item 4+5+6 ly rate m²/manhour	no of days	amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man	1.57 no.	0% 0% Php m³ daii	of item 4 of item 4+5+6 fy rate m²/manhour/day	no of days		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place lead man unskilled labor	1.57 no. production rata	0% 0% Php m³ daii	of item 4 of item 4+5+6 fy rate m²/manhour /day /day		days to complete - -	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man	1.57 no. production rata	0% 0% Php m³ daii	of item 4 of item 4+5+6 fy rate m³/manhour /day /day / rental	no of days	days to complete - - amount	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost)	1.57 no. production rate unit output rate 1	0% 0% Php m³ daii daii	of item 4 of item 4+5+6 fy rate m*/manhour /day /day / rental m*/unithour /day	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description	1.57 no. production rate unit output rate 1	0% 0% Php m³ daii daii	of item 4 of item 4+5+6 fy rate m*/manhour /day /day / rental m*/unithour /day		days to complete - - amount	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m³ per m² w/ 5% shinkage)	1.57 no. production rata unit output rate 1 quantity	0% 0% Php m³ daii daii	of item 4 of item 4+5+6 fy rate m*/manhour /day /day / rental m*/unithour /day	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3)	1.57 no. production rate unit output rate 1 quentity 1.57	0% 0% Php m³ daily daily	of item 4 of item 4 + 5 + 6 fy rate m³/manhour /day /day / rental m³/unithour /day un	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 Isbor-place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	1.57 no. production rate unit output rate 1 quentity 1.57	0% 0% Php m³ daily daily	of item 4 of item 4+5+6 fly rate m³/manhour /day /day / renta/ m³unithour /day day cfitem 4	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit	1.57 no. production rate unit output rate 1 quentity 1.57	0% 0% Php m³ daily m³ 0% 0% 0%	of item 4 of item 4+5+6 fly rate m³/manhour Iday Iday / rental m³unithour Iday Un	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax	1.57 no. production rate unit output rate 1 quentity 1.57	0% 0% Php m³ dail daily m³ 0% 0% 0% 0%	of item 4 of item 4+5+6 fly rate m³/manhour /day /day / renta/ m³unithour /day day cfitem 4	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7)	1.57 no. production rate unit output rate 1 quantity 1.57	0% 0% Php m³ daily daily 0% 0% 0% 0% Php	of item 4 of item 4+5+6 fly rate m³/manhour Iday Iday / rental m³unithour Iday Un	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax	1.57 no. production rate unit output rate 1 quentity 1.57	0%	of item 4 of item 4+5+6 fly rate m³/manhour Iday Iday / rental m³unithour Iday Un	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA & Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys	1.57 no. production rate unit output rate 1 quentity 1.57 WEOUS EXPENSES)	0%	of item 4 of item 4+5+6 fy rate m²/manhour /day /day / rental m²/unithour /day un	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA & Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled tabor unskilled tabor	1.57 no. production rate unit output rate 1 quantity 1.57 WEOUS EXPENSES)	0% Php m³ daii clalii m³ 0% 0% 0% Php kgs. daii	of item 4 of item 4+5+6 fy rate m²/manhour /day /day / rental m²/unithour /day Un of item 4 of item 4 of item 4+5+6	no of days	days to complete	cost per iter
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA & Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor-place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys	1.57 no. production rate unit output rate 1 quantity 1.57 WEOUS EXPENSES)	0% Php m³ daii clalii m³ 0% 0% 0% Php kgs. daii	of item 4 of item 4+5+6 fy rate m²/manhour iday iday / rental m²/unithour /day Un of item 4 of item 4 of item 4+5+6 fy rate kgs/manhour iday /day	no of days	days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA & Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA & Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled tabor unskilled tabor 2 equipment (rental based on ACEL rates)	1.57 no. production rate unit output rate 1 quantity 1.57 NEOUS EXPENSES) 500.59 no. production rate	0% 0% Php m³ dail dail dail fail dail dail dail dail dail dail dail dail dail	of item 4 of item 4+5+6 fy rate m*/manhour day day rental m*/unithour day un of item 4 of item 4 of item 4+5+6 fy rate kgs/manhour day day day day day rental	no of days	amount amount amount amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled tabor	1.57 no. production rate unit output rate 1 quantity 1.57 NEOUS EXPENSES) 500.59 no. production rate	m³ daily m³ daily m³ daily daily m² daily daily daily daily daily daily daily daily daily daily daily	of item 4 of item 4+5+6 fy rate m³/manhour day day / rental m³/unithour day Un of item 4 of item 4+5+6 fy rate kgs/manhour day day day day /day /day /day /day	no of days	amount days to complete amount amount amount amount	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled tabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description	1.57 no. production rate unit output rate 1 quentity 1.57 NEOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity	0% 0% Php m³ dail daily m³ 0% 0% 0% 0% Php kgs. daily	of item 4 of item 4+5+6 fly rate m³/manhour /day / rental m³unithour /day of item 4 of item 4 of item 4+5+6 fly rate kgs/manhour /day /day / rental kgs/unithour /day / rental	no of days	amount days to complete amount amount amount amount	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40	1.57 no. production rate unit output rate 1 quentity 1.57 NEOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22	0% 0% Php m³ dail daily m³ 0% 0% 0% 0% Php kgs. daily	of item 4 of item 4+5+6 fly rate m³/manhour /day / rental m³unithour /day of item 4 of item 4 of item 4+5+6 fly rate kgs/manhour /day /day / rental kgs/unithour /day / rental	no of days if cost /m² no of days no of days	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40 12mm dia RSB, grade 40	1.57 no. production rate unit output rate 1 quantity 1.57 SOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31	0% 0% Php m³ dail dail dail 0% 0% 0% 0% Php kgs. dail dail kgs. kgs.	of item 4 of item 4+5+6 fly rate m³/manhour /day / rental m³unithour /day of item 4 of item 4 of item 4+5+6 fly rate kgs/manhour /day /day / rental kgs/unithour /day / rental	no of days if cost /m² no of days no of days it cost /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 {1.05m² per m² w/ 5% shinkage} 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia, RSB, grade 40 12mm dia, RSB, grade 33	1.57 no. production rate unit output rate 1 quantity 1.57 SOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31 113.06	0% 0% Php m³ dail dail dail 0% 0% 0% 0% Php kgs. dail dail kgs. kgs. kgs. kgs.	of item 4 of item 4+5+6 fly rate m³/manhour /day / rental m³unithour /day of item 4 of item 4 of item 4+5+6 fly rate kgs/manhour /day /day / rental kgs/unithour /day / rental	no of days if cost /m² no of days no of days it cost /kgs. /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia, RSB grade 33 #16 Galvanized Iron Wire	1.57 no. production rate unit output rate 1 quantity 1.57 SOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31	0% 0% Php m³ dail dail dail 0% 0% 0% 0% Php kgs. dail dail kgs. kgs. kgs. kgs.	of item 4 of item 4+5+6 fly rate m³/manhour /day / rental m³unithour /day of item 4 of item 4 of item 4+5+6 fly rate kgs/manhour /day /day / rental kgs/unithour /day / rental	no of days if cost /m² no of days no of days it cost /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.56hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia, RSB grade 33 #16 Galvanized Iron Wire	1.57 no. production rate unit output rate 1 quantity 1.57 NEOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31 113.06 25.03	0% 0% Php m³ daii daii daii daii daii daii kgs. kgs. kgs. kgs. kgs.	of item 4 of item 4+5+6 fly rate m³/manhour /day / rental m³unithour /day of item 4 of item 4 of item 4+5+6 fly rate kgs/manhour /day /day / rental kgs/unithour /day / rental	no of days if cost /m² no of days no of days it cost /kgs. /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 10mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia, RSB grade 33 #16 Gatvanized Iron Wire 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit	1.57 no. production rate unit output rate 1 quantity 1.57 NEOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31 113.06 25.03	0% 0% Php m³ daii daii daii daii daii	of item 4 of item 4+5+6 fy rate m*/manhour day day / rental m*funithour day day un of item 4 of item 4 of item 4+5+6 fy rate kgs/manhour day day day /ental kgs/unithour day day day day day day day day	no of days if cost /m² no of days no of days it cost /kgs. /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia RSB grade 33 #16 Galvanized Iron Wire 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax	1.57 no. production rate unit output rate 1 quantity 1.57 NEOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31 113.06 25.03	0% 0% Php m³ dail daily m² 0% 0% 0% Php kgs. dail daily kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs	of item 4 of item 4+5+6 fy rate m*/manhour /day /day / rental m*funithour /day di item 4 of item 4 of item 4+5+6 fy rate kgs/manhour /day /day /day /rental kgs/unithour /day /day /day /day /day /day /day /day	no of days if cost /m² no of days no of days it cost /kgs. /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) REINFORCED CONCRETE WORKS Gravel Bedding 1 labor -place lead man unskilled labor 2 equipment (rental based on ACEL rates) plate compactor (0.50hr / 1.20m³) minor tools (10% of Labor Cost) 3 material & description Gravel Bedding - G1 (1.05m² per m² w/ 5% shinkage) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4+5+6+7) Steel Works 1 labor - cut, bend & place up to 5 storeys lead man skilled tabor unskilled fabor 2 equipment (rental based on ACEL rates) bar cutter bar bender minor tools (10% of Labor Cost) 3 material & description 16mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia RSB, grade 40 12mm dia RSB, grade 40 10mm dia, RSB grade 33 #16 Gatvanized Iron Wire 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit	1.57 no. production rate unit output rate 1 quantity 1.57 NEOUS EXPENSES) 500.59 no. production rate unit output rate 1 1 quantity 198.22 189.31 113.06 25.03	0% 0% Php m³ dail daily m² 0% 0% 0% Php kgs. dail daily kgs. kgs. kgs. kgs. kgs. kgs. kgs. kgs	of item 4 of item 4+5+6 fy rate m */manhour day day / rental m */unithour day ditem 4 of item 4 of item 4+5+6 fy rate ligs/manhour day day /day /rental kgs/unithour day day /day /day un of item 4 of item 4 of item 4	no of days if cost /m² no of days no of days it cost /kgs. /kgs. /kgs.	amount days to complete amount amount days to complete amount days to complete	

	production rate		m³/manhour		days to complete	
install	pr dad do strate		W Minimow		enys to complete	
lead man			/day		•	
skilted fabor unskilted fabor			/day		٠	
stripping		′	/day		•	
lead man			/day		_	
unskilled labor			/day		_	
2 equipment (rental based on ACEL rates)	unit	*************************	rental	no of days	amount	
	output rate		m²/14days		days to complete	
minor tools (10% of Labor Cost) 3 material & description			***************************************		-	
19mm x 1.2m x 2.4m Phenolic Board (5 uses)	quantity 8	<u>-</u>	шт	t cost /pc	amount	Janes Land
Good Lumber (3 uses)	108.46			/pc /bd.ft.	-	
consumables (5% of Material Cost)	14-110			700116.		
4 Total Direct Cost (1 + 2 + 3)			11811811441			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	ANEOUS EXPENSES)		of item 4			
6 Contractor's Profit 7 Tax		************************	of item 4			
8 Total Unit Cost (4+5+6+7)	161	Php	of item 4 + 5 + 6			and har Ham
Concrete Works	3.32	m³				cost per item
1 labor - mix, place & cure	no.		rate	no of days	amount	1
footing and slab on fill class A, 3000psi @ 28days	production rate	i	m³/manhour	no or unyo	days to complete	.h
FTB, SS, Column and Beam/ Girder class A,						
3000psi @ 28days	production rate		m³/manhour		days to complete	
lead man		<i>i</i>	/day			
skilled labor			/day		-	
unskilled labor		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/day		-	
2 equipment (rental based on ACEL rates)	unit	***************************************	rental	no of days	amount	
	output rate		m Yunithour		days to complete	······································
One bagger mixer	1		/day		-	
Concrete Vibrator minor tools (10% of Labor Cost)	ï	,	/day		-	
3 material & description	quantity		, , , , , , , , , , , , , , , , , , ,	l cost	- temporar	Assess Assess
(structural concrete Class AA, 3000psi @ 28days)	- доаныц		urn		amount	**************************************
Cement	30	bags		/bag	-	
Sand	1.83	cu.m.		/cu.m.		
3/4" gravel	3.66	cu.m.		/cu.m.	%	
4 Total Direct Cost (1 + 2 + 3)	AMEQUE EVERYORS		1781 h 11 h 1 h 1 h 1 h 1 h 1 h 1 h 1 h 1	-		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Controver's Profit	ANEOUS EXPENSES)		of item 4			
6 Contractor's Profit 7 Tax		0% (of item 4	#2487784 .	5	
		00/	of itom da Ere			
8 Total Unit Cost (4 + 5 + 6 +7)		**************************************	of item 4+5+6			met ner Hem
8 Total Unit Cost (4+5+6+7) Structural Steel Framing	61.68	Php	of item 4 + 5 + 6	•		cost per item
	61.68	**************************************	of item 4+5+6	·		cost per item
	no.	<i>Php</i> kgs	/ rate	no of days	; amount	cost per item
Structural Steel Framing 1 labor - Erection and installation	61.68 no. production rate	Php kgs aany	/ rate kgs/manhour	no of days	; amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation :	no.	Php kgs aan	/ rate kgs/manhour fday	no of days	164184.8	cost per item
Structural Steel Framing 1 labor - Erection and installation	no.	Php kgs dany	/ rate kgs/manhour	no of days	164184.8	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor	no.	Php kgs dany	/ rate kgs/manhour day day	no of days	164184.8	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt)	no. production rate	Php kgs daily	/ rate kgs/manhour fday fday fday ps/manhour	no of days	164184.8	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor l	no. production rate	Php kgs daily	/ rate kgs/manhour fday fday fday ps/manhour	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor skilled labor skilled labor skilled labor	no. production rate	Php kgs daily	/ rate kgs/manhour fday fday fday pelmanhour rday fday	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor skilled labor unskilled labor unskilled labor unskilled labor unskilled labor unskilled labor	no. production rate 16 production rate	Php kgs daily	/ rate kgs/manhour fday fday fday ps/manhour	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor skilled labor skilled labor skilled labor	no. production rate 16 production rate	Php kgs daily	/ rate kgs/manhour fday fday fday ps/manhour rday fday fday	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor skilled labor skilled labor unskilled lab	no. production rate 16 production rate	Php kgs daily	/ rate kgs/manhour fday fday fday polmanhour fday fday fday fday fday kgs/manhour	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor skilled labor unskilled labor unskilled labor unskilled labor unskilled labor unskilled labor	no. production rate 16 production rate	Php kgs daily	/ rate kgs/manhour iday iday polmanhour iday polmanhour iday iday iday kgs/manhour iday	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor unskilled labor skilled labor unskilled labor unskilled labor unskilled labor unskilled labor unskilled labor unskilled labor leadman	no. production rate 16 production rate	Php kgs aan	/ rate kgs/manhour fday fday fday polmanhour fday fday fday fday fday kgs/manhour	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor unskilled labor unskilled labor	no. production rate 16 production rate	Php kgs aany	/ rate kgs/manhour iday iday iday ps/manhour iday iday iday kgs/manhour iday iday kgs/manhour iday iday	no of days	days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor	no. production rate 16 production rate 114.92 production rate	Php kgs daily	/ rate kgs/manhour iday iday rental	no of days	days to complete days to complete days to complete amount	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates)	no. production rate 16 production rate 114.92 production rate unit output rate	Php kgs carry	/ rate kgs/manhour iday iday iday ps/manhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour		days to complete days to complete days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit	no. production rate 16 production rate 114.92 production rate	Php kgs carry	/ rate kgs/manhour iday iday rental		days to complete days to complete days to complete amount	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates)	no. production rate 16 production rate 114.92 production rate unit output rate	Php kgs carry	/ rate kgs/manhour iday iday iday ps/manhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour		days to complete days to complete days to complete amount	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor skilled labor unskilled l	no. production rate 16 production rate 114.92 production rate unit output rate 1	Php kgs carry	/ rate kgs/manhour iday iday remanhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour iday		days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled no. production rate 16 production rate 114.92 production rate unit output rate	Php kgs carry	/ rate kgs/manhour iday iday remanhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour iday	no of days	days to complete days to complete days to complete amount	cost per item	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16	Php kgs carry	/ rate kgs/manhour iday iday remanhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor uns	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2	Php kgs cany daily	/ rate kgs/manhour iday iday remanhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor uns	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16	Php kgs cany cany cany cany cany cany cany cany	/ rate kgs/manhour iday iday remanhour iday iday kgs/manhour iday kgs/manhour iday iday rental m Yunithour iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor uns	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6	Php kgs daily daily pcs pcs pcs pcs	/ rate kgs/manhour iday iday rday palmanhour iday iday kgs/manhour iday iday rental m Yunithour iday iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor uns	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6	Php kgs Gaily pcs pcs pcs	/ rate kgs/manhour iday iday polimanhour iday iday kgs/manhour iday iday kgs/manhour iday iday iday iday iday iday rental m Yunithour iday iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor uns	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6	Php kgs daily pcs pcs pcs pcs	/ rate kgs/manhour iday iday rday pelmanhour iday iday kgs/manhour iday iday rental m Yunithour iday iday unithour iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ØG.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6	Php kgs daily pcs pcs pcs pcs	/ rate kgs/manhour iday iday polimanhour iday iday kgs/manhour iday iday kgs/manhour iday iday iday iday iday iday rental m Yunithour iday iday	no of days	days to complete days to complete days to complete amount days to complete	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ⊘G.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) ROOFING WORKS	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6	Php kgs daily pcs pcs pcs pcs pcs	/ rate kgs/manhour iday iday rday pelmanhour iday iday kgs/manhour iday iday rental m Yunithour iday iday unithour iday	no of days	days to complete days to complete days to complete amount days to complete	cost per item
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ⊘G.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) ROOFING WORKS Structural Steel Roof Framing	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6	Php kgs daily pcs pcs pcs pcs pcs	/ rate kgs/manhour iday iday rday pelmanhour iday iday kgs/manhour iday iday rental m Yunithour iday iday unithour iday	no of days	days to complete days to complete days to complete amount days to complete	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ⊘G.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) ROOFING WORKS Structural Steel Roof Framing 1 labor - fabrication, assembly & erection	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6 ANEOUS EXPENSES)	Php kgs carry daily daily from the control of the carry daily from the c	/ rate kgs/manhour iday iday rday pelmanhour iday iday kgs/manhour iday iday rental m Yunithour iday iday unithour iday	no of days	days to complete days to complete days to complete amount days to complete	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor unskilled labor unskilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ⊘G.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) ROOFING WORKS Structural Steel Roof Framing	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6 ANEOUS EXPENSES) 105.38 no. 105.36	Php kgs carry daily daily from the control of the carry daily from the c	/ rate kgs/manhour iday iday iday remanhour iday kgs/manhour iday kgs/manhour iday iday remtal m Yunithour iday umi	no of days cost /pc /pc /pc	days to complete days to complete amount days to complete amount amount	
1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor unskilled labor skilled labor unskilled labor uns	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6 ANEOUS EXPENSES)	Php kgs carry daily daily from the control of the carry daily from the c	/ rate kgs/manhour iday iday iday iday iday iday kgs/manhour iday iday kgs/manhour iday iday iday iday iday unithour iday unithour iday unithour iday unithour iday	no of days cost /pc /pc /pc	days to complete days to complete days to complete amount amount	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ⊘G.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) ROOFING WORKS Structural Steel Roof Framing 1 labor - fabrication, assembly & erection ***Structural Steel Roof framing 1 labor - fabrication, assembly & erection ***Structural Steel Roof framing	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6 ANEOUS EXPENSES) 105.38 no. 105.36	pcs pcs pcs pcs pcs pcs pcs pcs pcs pcs	/ rate kgs/manhour iday iday iday iday iday iday kgs/manhour iday kgs/manhour iday iday until iday until iday until iday if item 4 of item 4 of item 4 of item 4 of item 4	no of days cost /pc /pc /pc	days to complete days to complete amount days to complete amount amount	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor un	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6 ANEOUS EXPENSES) 105.38 no. 105.36	Php kgs Carry daily pcs pcs pcs pcs pcs pcs pcs daily Ags. daily	/ rate kgs/manhour iday iday iday palmanhour iday iday kgs/manhour iday iday rental m Yunithour iday unithour iday unithour iday unithour iday / rate kgs/manhour	no of days cost /pc /pc /pc	days to complete days to complete amount days to complete amount amount	
Structural Steel Framing 1 labor - Erection and installation lead man skilled labor unskilled labor unskilled labor ***Metal Structure Accessories (Anchor Bolt) leadman skilled labor unskilled labor ***Metal Structure Accessories (Steel plates) leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) Cutting outfit minor tools (10% of Labor Cost) 3 material & description 4" ⊘G.I. pipe, schedule 40 M16x 130mm Anchor Bolts, nuts and washers, Milled Steel plate, 300mm x 300mm x 10mm thick consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELI 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) ROOFING WORKS Structural Steel Roof Framing 1 labor - fabrication, assembly & erection ***Structural Steel Roof framing 1 labor - fabrication, assembly & erection ***Structural Steel Roof framing	no. production rate 16 production rate 114.92 production rate unit output rate 1 quantity 2 16 6 ANEOUS EXPENSES) 105.38 no. 105.36	Php kgs Gaily pcs pcs pcs pcs pcs pcs Cally Ags. Cally	/ rate kgs/manhour iday iday iday iday iday iday kgs/manhour iday kgs/manhour iday iday until iday until iday until iday if item 4 of item 4 of item 4 of item 4 of item 4	no of days cost /pc /pc /pc	days to complete days to complete amount days to complete amount amount	

skilled labor			/day		_
unskilled labor *** Metal Structure Accessories (Tumbuckle)			/day	PRIPRIME INC.	-
Metal Sulucture Accessories (Turnouckie)	production rate		pc/manhour	441	days to complete
leadman	productor rate		/day		days to complete
skilled labor			/day		
unskilled labor			/day		41
Metal Structure Accessories (Crossbracing)	2	.414		4.41	
leadman	production rate		kg/manhour /day		days to complete
skilled tabor			/day		-
unskilled labor			/day		-
*** Structural Steel Purlins	44			***************************************	
landunan	production rate		kg/manhour		days to complete
leadman skiljed labor			/đay /day		-
unskilled labor			/day		
2 equipment (rental based on ACEL rates)	unit	da	ily rental	no of days	amount
	output rate		kgs/unithour		days to complete
welding machine	f		/day		-
Cutting outfit	1		/day		•
minor tools (10% of Labor Cost) 3 material & description	quantity		lot	t cost	-
1.2mm thickx 50mm x /5mm C-Purins	S Querially	pcs	UFA	/pc	amount
1.5mm thick x 50 mm x 150 mm x 6m, Tubular	Ů	poo		ipo	-
Steel	2	pcs		/pc	-
16mm dia, tumbuckle	A	pcs		/pc	_
16mm dia, plain bar cross bracing	2	pcs pcs		/pc /pc	•
16mm dia. ptain bar sag rod	ī	pcs		/pc	
acetylene	1.16	kgs.		/kgs.	-
0худеп	2.32	kgs.		/kgs.	-
welding rod	1.1 6	kgs.		/kgs.	-
consumables (5% of Material Čost) 4 Total Direct Cost (1 + 2 + 3)		lot			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	AMEDI IO EVDENICES	3 00/	of item 4		
6 Contractor's Profit	-042 COO EXTENOLO		ofilem 4		
/ 18X			6 of item 4+5+6		
8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
b. Roof Sheeting and Accessories	15.05	m²			
1 labor (cut, installation)	no.	da	aily rate	no of days	amount
	6 . 41 4		76		
leadman	production rate		<i>m²lmanhou</i> r /day		days to complete
skilfed tabor			/day		-
unskilled tabor			/day		- -
""Fabricated Metal Accessories (Ridge Roll,	15				
	production rate		m/manhour		days to complete
leadman			/day		-
skilled labor unskilled labor			/day		-
2 equipment (rental based on ACEL rates)	unit	da	/day ily rental	no of days	amount
	output rate		m²/unithour	: No or ways	days to complete
H-Frame 1.7m x 1.2m, set	20		/day		-
power tools (10% of Labor Cost)	4		4.4		
	1		/day		
minor tools (10% of Labor Cost)	1 1	That had a transfer of the had a second	/day		
minor tools (10% of Labor Cost) 3 material & description	1 quantity		/day	t cost	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12; Pre-painted Rip-type Rooting	quantity	pcs.	/day	/pc.	amount -
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing	quantity 2 5	pcs. pcs.	/day	/pc. /pc.	amount - -
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board	quantity 4 2 5 5	pcs.	/day	/pc.	amount - - -
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil)	4 2 5 5 15	pcs. pcs. pcs. pcs. lm	/day	/pc. /pc. /pc. /pc. /m	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal)	4 2 5 5 15 15	pcs. pcs. pcs. pcs. im tm	/day	/pc. /pc. /pc. /pc. /im /im	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw	4 2 5 5 15 15	pcs. pcs. pcs. pcs. im im pcs.	/day	/pc. /pc. /pc. /pc. /m /m /pc.	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets	4 2 5 5 15 15	pcs. pcs. pcs. pcs. im tm	/day	/pc. /pc. /pc. /pc. /im /im	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets consumables (5% of Material Cost)	4 2 5 5 15 15	pcs. pcs. pcs. pcs. im im pcs.	/day	/pc. /pc. /pc. /pc. /m /m /pc.	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3)	4 2 5 5 15 15 20 2	pcs. pcs. pcs. pcs. im im pcs. boxes	/day uni	/pc. /pc. /pc. /pc. /m /m /pc.	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit	4 2 5 5 15 15 20 2	pcs. pcs. pcs. pcs. im im pcs. boxes	/day	/pc. /pc. /pc. /pc. /m /m /pc.	amount
minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets consumables (5% of Material Cost) 4 Total Direct Cost (1+2+3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax	4 2 5 5 15 15 20 2	pcs. pcs. pcs. pcs. im im pcs. boxes	Iday uni 6 cf ilem 4 6 cf ilem 4 6 of ilem 4 6 of ilem 4	/pc. /pc. /pc. /pc. /m /m /pc.	amount
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minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted wall flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) IV. MASONRY WORKS a. CHB Laying 1 labor leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) 3 material & description	23.40 ANEOUS EXPENSES 23.40 Ino. production rate unit output rate quantity	pcs. pcs. pcs. pcs. im im pcs. boxes	/day uni 6 of item 4 6 of item 4 6 of item 4 6 of item 4+5+6 0 ally rate m²/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /m /m /m /pc. /box no of days	cost per item
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minor tools (10% of Labor Cost) 3 material & description U.40mm x 1m x 12"; Pre-painted Rib-type Rooting 0.40mm x 12"x 8"; Pre-painted end flashing 12" x 8" fascia board 10mm Insulation foam, (single foil) 1"x4"x1mm galvanized Chicken wire mesh (hexagonal) 1-1/2" Tex screw 3/4" Blind Rivets consumables (5% of Material Cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) IV. MASONRY WORKS a. CHB Laying 1 labor leadman skilled labor unskilled labor 2 equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) 3 material & description 100mm thk. CHB cement	A 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	pcs. pcs. pcs. pcs. pcs. lm lm pcs. boxes 3) 0% 9% Php m² da da da da sps. 13 bags	/day uni 6 of item 4 6 of item 4 6 of item 4 6 of item 4+5+6 0 ally rate m²/manhour /day /day /day /day /day /day /day /day	/pc. /pc. /pc. /pc. /m /m /m /pc. /box no of days f cost /pc. /bag	cost per item amount days to complete amount days to complete

6	OCM (OVERHEAD, CONTINGENCIES & MISCELL	AMENING EVOCATORS		Δ0/				
	Contractor's Profit	ANEUUS EXPENSES)			of item 4 of item 4	-		
	Tax				of item 4+5+6		***************************************	
	Total Unit Cost (4 + 5 + 6 +7)			Php				cost per item
b.	Plastering	46.80	m	l ² .	Tales e de la companya della companya de la companya de la companya della companya de la companya della companya de la companya della company	e francisku i se uzi		e en servición de la composition de la composition de la composition de la composition de la composition de la
	labor	no.		dali	ly rate m²/manhour	no of days	amount	
	leadman	production rate			m rmannour /day		days to complete	
	skilled !abor				/day			
	unskilled labor			***********	/day		-	
2	equipment (rental based on ACEL rates)	unit		daily	rental	no of days	amount]
	H-Frame 1.7m x 1.2m, set	output rate			m²/unithour /day		days to complete	
	minor tools (10% of Labor Cost)	,			Iday Iday		-	
3	material & description	quantity			A t	cost	amount	i a la la la la la la la la la la la la l
	cement	14	bags			/bag	-	.ă.ci.ii.ai.aiaiai.ai.ai
	sand	1.17	m³			/m³		F11F318318115418318418418418418
4	Total Direct Cost (1 + 2 + 3)	ANEOUO EVOENDEOV		006			<u> </u>	
6	i OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit	ANEUUS EXPENSES)			of item 4 of item 4		65, 356	
	Tax				of item 4+5+6			
	Total Unit Cost (4 + 5 + 6 +7)			Php		•		cost per item
٧.	ELECTRICAL WORKS					radio de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de		
a.	Conduits and boxes		pcs.					
1	labor	no.	Ī	dail	ly rate	no of days	amount	
	***Installation of PVC Conduit pipe	4 - 24						
	leadman	production rate			lm/manhour Ideu		days to complete	
	reauman skilled labor				/day /day		•	
	unskilled labor				/day		-	
	Installation of boxes	3	************************************	411400				
		production rate			pc/manhour		days to complete	
	leadman skilled labor				/day		-	
	skned labor unskilled labor				/day /day		-	
2	equipment (rental based on ACEL rates)	unit			ruay rental	no of days	amount	
		output rate			unit/manhour	170 01 0043	days to complete	
	miner tools (10% of Labor Cost)				/day		-	
3	material & description	quantity			unit	cost	amount	
	20mmØ x 3 m PVC Conduit Pipe	3	pcs.			/pc.	-	
	25mmØ x 3 m PVC Conduit Pipe	2	pcs.			/pc.	-	
	Utility Box, deep type Junction box, pvc deep type	4	pes.			/pc.	-	
	Conduit connectors/fittings	1	pcs. łot			/pc. /pc	-	
4	Total Direct Cost (1 + 2 + 3)				·····			
	OCM (OVERHEAD, CONTINGENCIES & MISCELL	ANEOUS EXPENSES)		0%	of item 4	-	***************************************	
	Contractor's Profit	***************************************			of item 4			
	Tax Total Unit Cost (4+5+6+7)			Php	of item 4 + 5 + 6		r	cost per item
	Wires and Wiring Devices	10.20 0 0.10 0.1 6 1 0.00 1 0.00	sets		* - 1.14.04 - 44.	2.12, 1.12		cost per itern
	labor	110.		dail	ly rate	no of days	amount	
	***Instaliation of wires	8			·	il manifer nenerozate Aerua.		
	la adas as	production rate			lm/manhour		days to complete	
	leadman skilled labor				/day		-	
					/desc			
	unckilled labor				/day /day		-	
	unskitled labor ****installation of switches	1			/day /day		-	
	unskilled labor ****installation of switches	1 production rate					days to complete	
,	****Installation of switches leadman	production rate			/day set/manhour /day		days to complete	
,	****Installation of switches leadman skilled labor	production rate			/day set/manhour /day /day		days to complete	
	leadman skilled labor unskilled labor	·			/day set/manhour /day /day /day	; was 25 d	- - -	
2	****Installation of switches leadman skilled labor	unit			/day set/manhour /day /day /day / rental	no of days	amount	
2	leadman skilled labor unskilled labor equipment (rental based on ACEL rates)	·		daily	/day set/manhow /day /day /day rental unit/manhow	no of days	- - -	
	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost)	unit		daily	/day set/manhow iday /day /day rental unit/manhour iday	no of days	amount	
	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire	und output rate	i Im	daily	/day set/manhow iday /day /day rental unit/manhour iday	cost /Im	amount days to complete	
	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire	und output rate	lm	daily	/day set/manhow iday /day /day rental unit/manhour iday	cost /Im /Im	amount days to complete	
	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch eternent	und output rate	lm pes	daily	/day set/manhow iday /day /day rental unit/manhour iday	cost /lm /lm /pc	amount days to complete	
	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch etement Duplex Convenience Outlet, Heavy Duty	unit output rate quantity 5 3 1	lm pcs pcs	daily	/day set/manhow iday /day /day rental unit/manhour iday	cost /lm /lm /pc /pc	amount days to complete	
3	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch eternent Duplex Convenience Outlet, Heavy Duty Electrical tape (big)	und output rate	lm pes	daily	/day set/manhow iday /day /day rental unit/manhour iday	cost /lm /lm /pc	amount days to complete	
3 4 5	leadman skilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch element Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI	unit output rate quantity 5 3 1 2 2	lm pcs pcs	daily	/day set/manhow iday /day /day rental unit/manhour iday	cost /lm /lm /pc /pc	amount days to complete	
3 4 5 6	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch element Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI	unit output rate quantity 5 3 1 2 2	lm pcs pcs	daily 0% 0%	Iday setimanhour Iday Iday Iday Iday Iday Iday Iday Iday	cost /lm /lm /pc /pc	amount days to complete	
3 4 5 6 7	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch eternent Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit	unit output rate quantity 5 3 1 2 2	lm pcs pcs	daily 0% 0% 0%	Jday setimanhour jday Jday Jday Jday Iday Iday Iday Iday Unitimanhour Iday Unit	cost /lm /lm /pc /pc	amount days to complete	
3 4 5 6 7 8	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch element Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit Tax Total Unit Cost (4 + 5 + 6 + 7)	unit output rate quantity 5 3 1 2 2 2 ANEOUS EXPENSES)	lm pcs pcs roll	0% 0% 0% 0% 0%	Jday setimanhow Jday Jday Jday Jday Jrental unitimanhour Iday unit unitimanhour Jday of item 4 of item 4 of item 4 + 5 + 6	cost /lm /lm /pc /pc	amount days to complete	
3 4 5 6 7 8	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch eternent Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit Tax Total Unit Cost (4 + 5 + 6 + 7) Electrical Fixtures	unit output rate quantity 5 3 1 2 2 2 ANEOUS EXPENSES)	lm pcs pcs	0% 0% 0% 0% Php	Jday setimanhow Iday Jday Jday Jday Iday Iday Iday Iday Iday Iday Unit Iday unitimanhour Iday unitimanhour Iday of item 4 of item 4 of item 4	cost /lm /lm /pc /pc /pc /roll	amount days to complete	
3 4 5 6 7 8 C.	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch element Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit Tax Total Unit Cost (4 + 5 + 6 + 7)	unit output rate quantity 5 3 1 2 2 2 ANEOUS EXPENSES)	lm pcs pcs roll	0% 0% 0% 0% Php	Joan Joseph John John John John John John John Joh	cost /lm /lm /pc /pc	amount days to complete	
3 4 5 6 7 8 C.	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch eternent Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit Tax Total Unit Cost (4 + 5 + 6 + 7) Electrical Fixtures	unit output rate quantity 5 3 1 2 2 2 ANEOUS EXPENSES)	lm pcs pcs roll	daily 0% 0% 0% Php dai	Jday setimanhow Iday Jday Jday Jday Iday Iday Iday Iday Iday Iday Unit Iday unitimanhour Iday unitimanhour Iday of item 4 of item 4 of item 4	cost /lm /lm /pc /pc /pc /roll	amount days to complete	
3 4 5 6 7 8 C.	leadman skilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch eterment Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELI Contractor's Profit Tax Total Unit Cost (4 + 5 + 6 + 7) Electrical Fixtures	unit output rate quantity 5 3 1 2 2 2 ANEOUS EXPENSES)	lm pcs pcs roll	daily 0% 0% 0% Php	Iday setimenhour Iday Iday Iday Iday Iday Inental Inental Iday Unit of item 4 of item 4 of item 4+5+6 fy rate setimenhour Iday Iday Iday Iday Iday Iday	cost /lm /lm /pc /pc /pc /roll	amount days to complete	
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3 4 4 5 6 6 7 7 8 C: 1	leadman skilled labor unskilled labor unskilled labor unskilled labor unskilled labor equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) material & description # 14 THHN Stranded Wire # 12 THHN Stranded Wire 1-gang switch element Duplex Convenience Outlet, Heavy Duty Electrical tape (big) Total Direct Cost (1 + 2 + 3) OCM (OVERHEAD, CONTINGENCIES & MISCELL Contractor's Profit Tax Total Unit Cost (4 + 5 + 6 + 7) Electrical Fixtures labor leadman skilled labor unskilled labor	unit output rate quantity 5 3 1 2 2 2 ANEOUS EXPENSES) 1 no. production rate	lm pcs pcs roll	daily 0% 0% 0% Php daily	Iday setimanhour Iday Iday Iday Iday Iday Iday Iday of ilem 4 of ilem 4 + 5 + 6 ly rate setimanhour Iday Iday Iday Iday Iday Iday Iday Iday	cost /im /im /im /pc /pc /roil	amount days to complete amount amount days to complete amount days to complete	

5 OCM (OVERHEAD, CONTINGENCIES	& MISCELL	ANEOUS EXPENSES)		of item 4	-	18/11/14/	
6 Contractor's Profit				of item 4	-		
7 Tax	***************************************			of item 4 + 5 + 6	-		
8 Total Unit Cost (4 + 5 + 6 +7)			Phj)	<u> </u>		cost per item
Panel Board/ Boxes/breakers		3	sets				
1 labor		no.	d	aily rate	no of days	amount	<u> </u>
	londmon	production rate		set/manhour		days to complete	
e e	leadman kiiled labor			/day			
_	killed labor			/day /day			
2 equipment (rental based on ACEL rates)	WIIICU IADOI	unit	ch :	ily rental	no of days	amount	1
L ogaphion (torner adood of France (days)		output rate		unit/manhour	10000000	days to complete	1
minor tools (10% of L	abor Cost)			/day		0.00	
3 material & description	1	quantity		uni	cost	amount	14-5-45-5-5
Circuit breakers element (20 amp, b		2	pcs		/unit	→	
Circuit breaker element (15 amp, b		1	pcs		/unit	-	
consumables (3% of ma	aterial cost)		lot		******************************	-	
4 Total Direct Cost (1 + 2 + 3)		**************************************				<u> </u>	
5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit	& MISCELL	ANEOUS EXPENSES)		of item 4			
7 Tax				of item 4 of item 4+5+6		<u> </u>	
8 Total Unit Cost (4+5+6+7)			Phi				and war itau
ARCHITECTURAL FINISHINGS	SEPERATE GASAS		ЕЩ				cost per iten
Ceiling - 1/4" Plyboard on metal frame		15.05	m²				
1 labor	and difference		The state of the state of the state of the	nike meto			
I KRUUS		ITO.		aily rate	no of days	amount	İ
	leadman	production rate		m¥manhour /day		days to complete	
s	killed labor			/day		-	
	killed labor			/day		_	
2 equipment (rental based on ACEL rates)		unit	da	ily rental	no of days	amount	
11-14/1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		output rate		m 4manhour		days to complete	***************************************
H-Frame 1.7m:		6		/day			
minor tools (10% of L	abor Cost)			/day		=	
3 material & description		quantity		uni	l cost	amount	
1/4" thick x 4' x 8' , Marin	•	5	pc		ĭрс	-	
12 mm x 38 mm x 5 m x 0.8 mm thic	k, Carrying	6	8.4		tno.		
	Channel	O	рє		/pc	-	
19 mm x 50 mm x 5 m x 9.5 mm thi	ick. Double						
	Furring	7	рc		/pc	-	
Double	furring clip	15					
			nce		inc	_	
consumables (5% of ma		10	pcs lot		/pc /lot	-	
consumables (5% of ma 4 Total Direct Cost (1 + 2 + 3)					/pc /lot	-	
4 Total Direct Cost (1 + 2 + 3)	aterial cost)		lot	of item 4		<u>-</u>	
	aterial cost)		lot 0% 0%	of item 4		-	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax	aterial cost)		lot 0% 0%	of item 4 of item 4 + 5 + 6		-	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7)	aterial cost)	ANEOUS EXPENSES)	iot 0% 0% 0% 0% Phi	of item 4 of item 4 + 5 + 6		-	cost per iten
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 +7) Painting Works	aterial cost)	ANEOUS EXPENSES) 65.57	lot 0% 0% 0% Phj	6 of item 4 6 of item 4 + 5 + 6	/lot	-	cost per iten
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4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint s	aterial cost) & MiSCELL application leadman skilled labor	ANEOUS EXPENSES) 65.57 no. production rate	lot	of item 4 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of item	/lot	days to complete amount	cost per iten
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4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor **** surface preparation and paint (1 surface) 2 equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcoat (Semi-g) Thinning Solve Red Ox P 4" 9" roller hand 9" #100 : #120 :	application leadman killed labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) lloss Latex) ent for putty kide Primer aint thinner paint brush lle with pan roller foam sand paper	4 4 4 4 30 60	gals. gals. gals. jter itters gals. pcs pcs pcs	of item 4 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4	no of days no of days no of days cost /gal /gal /gal /gal /iter /iter /gal /pc /pc /pc /pc	days to complete	cost per iten
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4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 surface) 2 equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcost (Semi-g) Thinning Solve Red Ox Primer (P) 9" roller hand 9" 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit	application leadman killed labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) lloss Latex) ent for putty kide Primer aint thinner paint brush lle with pan roller foam sand paper	4 4 4 4 30 60	gals. gals. gals. gals. gals. gals. gals. gals. gals. gals. gals. jacs pacs pacs pacs pacs pacs pacs pacs p	6 of item 4 6 of item 4 + 5 + 6 7 8 ify rate 8 m³/manhour /day /day /day /day /day /day /day /day	no of days no of days no of days cost /gal /gal /gal /gal /iter /iter /gal /pc /pc /pc /pc	days to complete	cost per iten
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 surface) 2 equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcost (Semi-g) Thinning Solve Red Ox P 4" 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit 7 Tax	application leadman killed labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) lloss Latex) ent for putty kide Primer aint thinner paint brush lle with pan roller foam sand paper	4 4 4 4 30 60	gals. gals. gals. gals. gals. gals. gals. pcs pcs pcs pcs pcs pcs pcs pcs pcs pcs	of item 4 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of item 4 of item 4 of item 4	no of days no of days no of days cost /gal /gal /gal /gal /iter /iter /gal /pc /pc /pc /pc	days to complete	cost per iten
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 surface) 2 equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcost (Semi-g) Thinning Solve Red Ox P: 4" 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7)	application leadman killed labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) lloss Latex) ent for putty kide Primer aint thinner paint brush lle with pan roller foam sand paper	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	gals. gals. gals. gals. jiter jiters gals. pcs pcs pcs pcs pcs pcs pcs pcs pcs pcs	of item 4 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of item 4 of item 4 of item 4	no of days no of days no of days cost /gal /gal /gal /gal /iter /iter /gal /pc /pc /pc /pc	days to complete	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 surface) 4 requipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcost (Semi-g) Thinning Solve Red Ox P: 4" 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Tile Works (Unglazed)	application leadman killed labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) lloss Latex) ent for putty kide Primer aint thinner paint brush lle with pan roller foam sand paper	4 4 4 4 30 60	gals. gals. gals. gals. gals. gals. gals. gals. yals. gals. gals. jals.	of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of of item 4 of of item 4	no of days no of days no of days f cost /gal /gal /gal /gal /iter /filter /gal /pc /pc /pc /pc /pc	days to complete	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 surface) 2 equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcost (Semi-g) Thinning Solve Red Ox P: 4" 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7)	application leadman killed labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) lloss Latex) ent for putty kide Primer aint thinner paint brush lle with pan roller foam sand paper	4 quantity quantity and a second s	gals. gals. gals. gals. gals. gals. gals. gals. gals. gals. fiter fiters fiters pcs pcs pcs pcs pcs pcs pcs pcs pcs pc	of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of of item 4 of of item 4 of of item 4 of of item 4	no of days no of days no of days cost /gal /gal /gal /gal /iter /iter /gal /pc /pc /pc /pc	days to complete	
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4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 sequence) 4 Equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L.) 3 material & description Acrylin Primer (F.) Topcost (Semi-g.) Thinning Solve Red Ox P. 4" 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Tile Works (Unglazed) 1 labor	application leadman skilled labor skilled labor (Skimcoat lat Latex) utty (Spot) loss Latex) ent for putty kide Primer aint thinner paint brush le with pan roller foam sand paper & MISCELL leadman	65.57 BO. production rate unit output rate 4 quantity 3 2 5 1 2 1 4 4 4 4 30 60 ANEOUS EXPENSES) 9.61 no. production rate	gals. gals. gals. gals. jiter jiters gals. pcs pcs pcs pcs pcs pcs pcs pcs pcs pcs	of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 of of item 4 + 5 + 6 of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of item 4 of o	no of days no of days no of days t cost /gal /gal /gal /gal /fiter /fiter /fiter /pc /pc /pc /pc /pc /pc /nc /nc /nc /nc /nc /nc /nc /nc /nc /n	amount amount amount amount amount amount amount amount amount amount	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 surface) 4 Frame 1.7m: minor tools (10% of L.) Topcost (Semi-grain Thinning Solve Red Ox Primary (1 surface) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Tile Works (Unglazed) 1 labor	application leadman leadman skilled labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) loss Latex) ent for putty kide Primer aint thinner paint brush le with pan roller foam sand paper & M/SCELL leadman skilled labor	65.57 BO. production rate unit output rate 4 quantity 3 2 5 1 2 1 4 4 4 4 30 60 ANEOUS EXPENSES) 9.61 no. production rate	gals. gals. gals. gals. jiter jiters gals. pcs pcs pcs pcs pcs pcs pcs pcs pcs pcs	of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of item 4 + 5 + 6 of item 4 of of ite	no of days no of days no of days f cost /gal /gal /gal /gal /iter /filter /gal /pc /pc /pc /pc /pc	amount amount amount amount amount amount amount amount amount amount amount	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Painting Works 1 labor *** surface preparation and paint (1 sequence) 2 equipment (rental based on ACEL rates) H-Frame 1.7m: minor tools (10% of L) 3 material & description Acrylin Primer (F) Topcost (Semi-g) Thinning Solve Red Ox Pour (1 + 2 + 3) 9" roller hand 9" #100: #120: 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES) 6 Contractor's Profit 7 Tax 8 Total Unit Cost (4 + 5 + 6 + 7) Tile Works (Unglazed) 1 labor	application leadman skilled labor x 1.2m, set abor Cost) c Skimcoat lat Latex) utty (Spot) loss Latex) ent for putty cide Primer paint thinner paint brush lle with pan roller foam sand paper sand paper 8 M/SCELL leadman skilled labor skilled labor	65.57 BO. production rate unit output rate 4 quantity 3 2 5 1 2 1 4 4 4 4 30 60 ANEOUS EXPENSES) 9.61 no. production rate	gals. gals. gals. gals. jiter jiters gals. pcs pcs pcs pcs pcs pcs pcs pcs pcs pcs	of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 + 5 + 6 of item 4 of of item 4 of of item 4 of of item 4 + 5 + 6 of item 4 of of item 4 + 5 + 6 of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of of item 4 of item 4 of o	no of days no of days no of days t cost /gal /gal /gal /gal /fiter /fiter /fiter /pc /pc /pc /pc /pc /pc /nc /nc /nc /nc /nc /nc /nc /nc /nc /n	amount amount amount amount amount amount amount amount amount amount	cost per iten

0.40mx 0.40m (unglazed) cement sand	60 3 0.25	pcs bags m³	/pc /bag /m³	-	
tile grout Tile Adhesive (25kg)	1.00 1	bag bag	/bag /baq	-	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit		0% 0%	of item 4 of item 4		
7 Tax 8 Total Unit Cost (4+5+6+7)	·····	0% Php	of item 4 + 5 + 6	-	cost per item
d. Aluminum Windows	2.40	m²			cust per item
1 labor	no.	dai	ly rate no of c		<u> </u>
leadman skilled labor unskilled labor	production rate	d	<i>m³lmanhour</i> /day /day /day	days to complete	
2 equipment (rental based on ACEL rates)	unit output rate	dail	/ rental no of o m²/manhour	lays amount days to complete	
minor tools (10% of Labor Cost) 3 material & description	quantity		/day unit cost	amount	
W1, 1.00m x 1.20 m White Powder Coated Aluminum Framed Window with 6mm thick glass	2	sets	/set		
consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)		lot	/lot		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELI	LANEOUS EXPENSES)	0%	of item 4	•	
6 Contractor's Profit 7 Tax		0%	of item 4	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
8 Total Unit Cost (4+5+6+7)		0% Php	of ilem 4 + 5 + 6	-	cost per item
			TC	TAL AMOUNT	over per terri
E. AC 208 LABORATORY OF CA					
I. SITE WORKS a. Clearing and Grubbing	112.34	m³			
1 labor	no.		fy rate no of c	lays amount	-
***removal of drywall; acoustical panel; vinyl & ceramic tiles	production rate		m³/manhour	days to complete	-
lead man unskilled labor			/day /day	-	
***hauling of debris	production rate		m²/manhour	days to complete	-
lead man unskilled labor			/day /day	•	
2 equipment (rental based on ACEL rates)	unit	dail	rentai no of c	lays amount	
Tend / O E MTV	output rate		m³manhour	days to complete	
Truck (2-5 MT) minor tools (10% of Labor Cost)	1	unit		-	
3 material & description	quantity		una cost	amount	<u> </u>
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit	LANEOUS EXPENSES)	0%	of item 4 of item 4		
7 Tax 8 Total Unit Cost (4+5+6+7)		0% Php	of item 4 + 5 + 6	-	Slaves
II. ELECTRICAL WORKS		rap			cost per item
a. Conduits, Boxes, and Fittings	135	lm.			
1 labor	no.	dai	ly rate no of c	4164 [4.164164161.44	
leadman Skiled laborer Unskiled laborer	production rate		Im/menhour /day /day /day	days to complete - - - -	
2 equipment (rental based on ACEL rates)	unit	dail	y <i>rental</i> no of c	tays amount	
minor tools (10% of Labor Cost)	output rate	3.825	lm/manhour	days to complete	,
THEOR LOUIS (1976 OF LABOU COST)			/day		
3 material & description	quantity		unit cost	amount	
Z5mm x 4" PVC were moulding 20mm x 3m PVC conduit pipe	30 15	pcs. pcs.	/pc. /pc.	-	
25mm x3 m PVC conduit pipe	15	pcs. pcs.	/pc.	-	
Junction box, deep type	10	pcs.	/pc.	-	
PVC utility box,deep type PVC Utility Box, Surface type	11 11	pcs. pcs.	/pc. /pc.	•	
conduit fittings	1	lot	/fot	-	
consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)	1	lot	/lot		
5 OCM (OVERHEAD, CONTINGENCIES & MISCEL 6 Contractor's Profit	LANEOUS EXPENSES)	0%	of item 4 of item 4		
7 Tax 8 Total Cost (4+5+6+7)		0% Php	of item 4 + 5 + 6	_	and san Name
b. Wires and Wiring Devices	350	lm.			cost per item
1 leber	no.		ly rate no of o	lays amount	
leadman	production rate		Intimanhour Idou	days to complete	
Skilled laborer Unskilled laborer	1		/day /day /day	-	
2 equipment (rental based on ACEL rates)	unit	dail	y nental no of c		
minor tools (10% of Labor Cost)	output rate		unit/manhour /day	days to complete	
3 material & description	quantity		ruay unit cost	amount	

#14THHN Stranded Wire #12THHN Stranded Wire One-gang switch, surface type, 10A, 230V	200 150 8	l.m. l.m. set		/In.m. /In.m. /set	- - -	
Duplex universal convenience outlet, flush type, 10A, 230V	16	set		/set	-	
consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)	1	lot		/lot	-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit	ANEOUS EXPENSES)		of item 4		·····	
7 Tax		0%	of Rem 4 + 5 + 6			
8 Total Cost (4+5+6+7) c. Electrical Fixtures	8	Php				
c. Electrical Fixtures 1 labor	no.	sets	ily rate	no of days	amount	_
leadman Skilled laborer Unskilled laborer	production rate		1set/manhour /day /day /day		days to complete	
2 equipment (rental based on ACEL rates)	unit output rate	dail	y rental unit/manhour	no of days	amount days to complete	-
minor tools (10% of Labor Cost) 3 material & description			/day			,
2 -T8 LED tubes with housing and diffuser consumables (5% of material cost)	quantity 8 1	sets lot	CARDI	cost /set lot	i amount	i
4 Total Direct Cost (1 + 2 + 3)	ANEOUS EVOENOES			=		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL 6 Contractor's Profit	ANEOUS EXPENSES)	0% n%	of item 4 of item 4	-		
7 Tax		0%	of item 4 + 5 + 6		/	
8 Total Unit Cost (4+5+6+7)	-	Php		-		cost per item
d. Panel Board/ Boxes/ Breaker 1 labor	no.	sets da	ily rate	no of days	amount	
5.50hrs/ panel board leadman Skilled laborer	production rate 1 1		circull/manhour /day /day	no or days	days to complete	<u> </u>
Unskilled laborer	1		/day		-	
2 equipment (rental based on ACEL rates)	unit output rate	dai	ly rental unitmanhour	no of days	amount	-
minor tools (10% of Labor Cost)	оцерия гаче		/day		days to complete -	
3 material & description	quantity		uni	cost	amount	-
Panel Box with Main Breaker 8 holes and 6	1	set		/set	_	
Branches ,2 poles						
Circuit Breaker, plug-in, 60A/230V <i>(main)</i> Circuit Breaker, plug-in, 15A/230V	1	set set		/set /set	-	
Circuit Breaker, plug-in, 20A/230V	4	set		/set	-	
consumables (5% of material cost)	1	lot		iot	_	
4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	AMEOLIS EYPENSES)	09%	of item 4			
6 Contractor's Profit			of item 4	-	<u> </u>	
7 Tax 8 Total Cost (4+5+6+7)			of item 4 + 5 + 6			
III. PLUMBING WORKS		Php				cost per item
a. Plumbing Fixtures	1	unit				
1 labor	no.	da	ily rate	no of days	amount	-
leadman skilled labor	production rate		enil/manhour /day /day		days to complete - -	
unskilled labor 2 equipment (rental based on ACEL rates)	unit	dei	iday Iy rentai	no of days	amount	
WWW.WW.W.	output rate	1	unitimanhour	0.13	days to complete	i
minor tools (10% of Labor Cost)			/day	·	-	
3 material & description 0.45m x 0.55m Stainless steel Pantry sink with	quantity		j um	t cost	amount	initia di Paranta di Paranta di Paranta di Paranta di Paranta di Paranta di Paranta di Paranta di Paranta di P
faucet and complete accessories 4 Total Direct Cost (1 + 2 + 3)	1	set		/set	-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELL	ANEOUS EXPENSES)		of item 4			
6 Contractor's Profit 7 Tax			of item 4 of item 4+5+6	-		
8 Total Unit Cost (4+5+6+7)		Php		<u>-</u>		cost per item
IV. ARCHITECTURAL FINISHINGS						
a. Ceiling Works		m²	ike moto		1	
1 labor ****Hauling of Materials	110. production rate	<u>da</u>	ily rate m4manhour	no of days	amount days to complete	
Unskilled laborer			/day		*	
****Installation leadman skilled laborer	production rate	,	m Ymanhour /day /day	***************************************	days to complete - -	-1
Unskilled laborer	semi	; da	/day k/ rente/	: no of door	-	
2 equipment (rental based on ACEL rates)	unit output rate	1.365	ly rental m²unithour	no of days	amount days to complete	<u> , </u>
minor tools (10% of Labor Cost)		v-कचर	/day			
3 material & description 4.5 mm thick Fiber Cement Board	quantity	985	uni	t cost	amount	
4.5 mm thick Fiber Gement Board 25mm x 3000mm x .5 mm thick Wall Angle	37 32	pcs. pcs.		/pc. /pc.	-	
12mm x 38mm x 5000mm x .6mm thick Carrying		'			_	
Channel	42	pcs.		/pc.	-	

19mm x 50m	nm x 5000mm x .42mm thick Double							
TOTALL A SALE	Metal Furring	42	pcs.			/pc.	-	
5.	pre formed wire clip		pcs.			/pc.	-	
	ension hanger with adjustment spring s (5% of material cost) (hardawares-	204	pes.			/pc.	-	
consumantes	expansion bolts and others)	1	iot			/iot	-	
4 Total Direct Cos	t (1 + 2 + 3)						·	184 had 1 ad 1 ad ann han 1 a 1 hann an ann ann an
	AD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)			of item 4	-		
6 Contractor's Pro	iii.				of item 4 of item 4 + 5 + 6			
8 Total Cost (4+				Php	Ur Reni 4 + 3 + 0			cost per item
 b. Vinyl Tileworks 		101.76	m ²					
1 labor	Withfilm, Know of Edut. 2016.	no.	<u>]</u>	dail	y rate	no of days	amount	
	***Hauling of Materials Unskilled taborer	production rate			m³/manhour /dav		days to complete	
	***Instaliation leadman	production rate			m²/manhour /day		days to complete	_
	skilled laborer				lday		-	
	Unskilled Laborer	,			/day		_	
2 equipment (renta	ni based on ACEL rates)	unit	<u> </u>	daily	rental	no of days	amount	-
	minor tools (10% of Labor Cost)	output rate			kgs/unithour /day		days to complete	
3 material & descri	iption	quantity			•	cost	amount	Pask State
910mm x 1	50mm waterproof, best quality, vinyl	746	nre			Ina		
	planks		pcs.			/pc.	•	
	Vinyl Tile Adhesive for vinyls Consumables(5% of Material Cost)	4.20	gal.			/gal.	-	
4 Total Direct Cost		1	lot					
5 OCM (OVERHE	AD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)			of item 4			
6 Contractor's Proi	Tit.				of item 4			
8 Total Cost (4+	5+6+7)			Php	of item 4+5+6	<u>.</u>		cost per item
c. Dry Wall Partiti		75.24	m²	p				COSE per Rem
1 labor		no.		dail	y rate	no of days	amount	
	"hauling of materials	production rate			m³/manhour		days to complete	-
	Unskilled laborer			1	/day		-	
	***installation	production rate			m 4manhow		days to complete	-
	leadman				/day		_	
	skilled laborer Unskilled laborer				/day /day		-	
	CHORIECG IDEDIG			1	ruaj		-	
2 equipment (renta	il based on ACEL rates)	unit		daily	rental	no of days	amount	-
	minor tools (10% of Labor Cost)	output rate			m²/manhour /day		days to complete	
3 material & descri	iption	quantity		i		cost	amount	<u> </u>
	4.5 mm thick Fiber Cement Board	52	pcs.			/pc.	-	e-Perinaminan mitamanian matana
	Bmm thick x 2" x 3" x 3m metal track 5mm thick x 2" x 3" x 3m metal stud	20 150	pcs.			/pc.	-	
	s (5% of material cost) (hardawares-	1	pes. lot			/pc. /lot	-	
4 Total Direct Cost	t (1 + 2 + 3)					-		
	AD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)			of item 4	-		
6 Contractor's Prof	RE				of item 4 of item 4 + 5 + 6			
8 Total Cost (4+	5+6+7)			Php	or least 4 + 2 + 12	-		cost per item
d. Aluminum Wind		3.2	m²					
1 fabor	***************************************	no.	<u> </u>	dail	y rate	no of days	amount	
	***hauling of materials unskilled laborer	production rate			m³/manhour /day		days to complete	
					, alay			
	****fabricated and installation	production rate			m³/manhour		days to complete	-
	leadman skilled laborer				/day /day		•	
	unskilled laborer				/day		-	
2 equipment (renta	il based on ACEL rates)	unit			rental		amount	<u> </u>
	minortagle (400) of table 0 - 4	output rate			m²/manhour		days to complete	
3 material & descri	minor tools (10% of Labor Cost)	quantity			/day unii	cost	amount	T.
	60m x 2.0 m White Powder Coated	- gaussey		i	L4776		; arrivurit	.1
	m Framed Window with 6mm glass	1	set			/set	_	
	(3.2 sqm)							
	consumables (5% of material cost)	1	lot			lot	-	
4 Total Direct Cost	((1+2+3)) 227PATE POPUL		867				
5 OCM (OVERHE 6 Contractor's Prof	AD, CONTINGENCIES & MISCEL	LANEOUS EXPENSES)			of item 4 of item 4	_		
7 Tax					of item 4+5+6			
8 Total Unit Cost		bb 1 bb 1 bb 1 bb 1 bb 1 bb 1 bb 1 bb		Php		-		cost per item
e. Hollow Core Flo	ush Door	11.25	m²		· · ·			
1 labor	***Hauling of materials	NO. production rate	<u> </u>	dail	y rate m∜manhour	no of days	amount	-
	unskilled laborer	procession rate			<i>m≒mannour</i> /day		days to complete	-
	***Installation	production rate			m²/manhour		days to complete	-
	leadman				/day		-	
	skilled laborer				/day		-	

unskilled laborer			fo	day		-	
2 equipment (rental based on ACEL rates)	unit		daily r		no of days	amount]
minor tools (10% of Labor Cost)	output rate			m 4manhour		days to complete	
3 material & description	quantity			day	t cost	_	7
	циани			cun	i COSt	<u>amount</u>	<u> </u>
D90- 0.90m x 2.10m Hollow Core Flush door with							
6mm thick clear glass plate view panel and 0.40m x	5	sets			/set		
0.90m transom (including jamb, frame, accessories	J	3613			/561	•	
and lockset)							
consumables (5% of material cost)	4	lot			1-4		
4 Total Direct Cost (1 + 2 + 3)	I	ЮL			lot		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	MEOUS EYPENSES		0% a	Filam d			
6 Contractor's Profit	MEGOG EXT ENGLG	·	0% o				
7 Tax			0%	filem 4 + 5 + 6			
8 Total Cost (4+5+6+7)			Php	1 1010 4 1 0 1 0			cost per item
f. Fabricated Foldable Partition with Sound Proofir	9.57	m²	SAN POSTO				COSE (FG) RGIII
1 labor	no.	1	daily	rate	no of days	amount	
***hauling of materials	production rate			m²/manhour		days to complete	
Unskilled laborer			/c	lay		-	
***installation	production rate			m 4manhour		days to complete	
leadman				lay		-	
skilled laborer				lay		-	
material & description				lay		-	
2 equipment (rental based on ACEL rates)	unit		daily n		no of days	amount	<u> </u>
miner tools (10% of Labor Cost)	output rate		,	m²/manhour		days to complete	
3 material & description	quantity			lay	t cost	-	· · · · · · · · · · · · · · · · · · ·
4.5 mm thick Marine Plywood	quantity 8	p.c.	l	uni		amount	l=
2" x 2" x 10' (3000mm) s4s Lumber	=	pcs.			/pc.	-	
The state of the s	14	pcs.			/pc.	-	
600mm x 1.2mm x 50mm thick Mineral wool	14	pcs.			Inc		
insulation (board type)	57	pos.			/pc.	-	
27mm x 2000mm Aluminum Door track for heavy							
•	2	pcs.			/pc.	-	
duty rollers							
Sliding door roller set with stopper and guides	8	set			/set	-	
consumables (5% of material cost)	1	lot			/lot		
4 Total Direct Cost (1 + 2 + 3)	M1M1-41-4				*		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	NEOUS EXPENSES)		0% o			·	
6 Contractor's Profit 7 Tax			0% of				1:-11P1P1P1 1 1 1 1 1 1 1 1
				item 4+5+6			
8 Total Cost (4+5+6+7)	400.67	(0.50776-T30.2-	Php				cost per item
g. Painting Works ***Ceiling	186.57		n²				
**Dry wall	101.76 75.24	SQIII					
***Foldable Partition	9.57	sam sam					
1 labor	no.	SQIII	daily i	rote	no of days	Amanciné	· · · · · · · · · · · · · · · · · · ·
***hauling of materials	production rate			m 4manhour	110 Or Gays	amount days to complete	l
unskilled laborer				lay		-	
***surface preparation and paint application	production rate			m³/manhour		days to complete	
leadman			/d	lay		-	
skilled laborer				lavý		_	
unskilled laborer			/0	. *			
				lay		-	
2 equipment (rental based on ACEL rates)	unit				no of days	amount	Y
2 equipment (rental based on ACEL rates)	Unit output rate	1	/d daily n		no of days	amount days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set		<u> I</u>	/d daily n	ental m²/manhour lay	no of days)
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost)	output rate	<u> </u>	/d daily n	ental m²/manhour ay ay			
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description	output rafe 4 quantity		/d daily n	ental m²/manhour ay ay	cost		
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex)	output rate 4 quantity 8	gal.	/d daily n	ental m²/manhour ay ay	t cost /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only)	output rate 4 quantity 8 12	gal.	/d daily n	ental m²/manhour ay ay	cost /gal. /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well)	output rate 4 quantity 8	gal. gal.	/d daily n	ental m²/manhour ay ay	t cost /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost)	output rate 4 quantity 8 12	gal.	/d daily n	ental m²/manhour ay ay	cost /gal. /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3)	output rate 4 quantity 8 12 4	gal. gal.	/d daily n /d /d	erital m "Imanhour lay lay uni	cost /gal. /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA	output rate 4 quantity 8 12 4	gal. gal.	/d daily n /d /d	erital m "Imanhour lay lay uni filem 4	cost /gal. /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit	output rate 4 quantity 8 12 4	gal. gal.	/daily n /daily n /d /d /d /d /d /d /d /d /d /d /d /d /d	erital m "Imanhour lay lay uni litem 4	cost /gal. /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex	output rate 4 quantity 8 12 4	gal. gal.	/d daily in /d /d /d /d /d /d /d /d /d /d /d /d /d	erital m "Imanhour lay lay uni filem 4	cost /gal. /gal.	days to complete	
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7)	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES)	gal. gal. lot	/daily n /daily n /d /d /d /d /d /d /d /d /d /d /d /d /d	erital m "Imanhour lay lay uni litem 4	cost /gal. /gal.	days to complete	cost per item
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter)	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES)	gal. gal.	/d daily in /d /d /d /d /d /d /d /d /d /d /d /d /d	ental m³/manhour ay ay unil filem 4 filem 4 filem 4 filem 4	f cost /gal. /gal. /gal.	amount	cost per item
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES) 6.48 no.	gal. gal. lot	daily n do do do do do do do do do d	erital m³/manhour lay lay unil litem 4 fitem 4 fitem 4 fitem 4 + 5 + 6	cost /gal. /gal.	amount	cost per item
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES)	gal. gal. lot	daily n daily n dd dd dd 0% oi 0% oi 0% of Php daily n	ental m³/manhour ay ay unii fitem 4 fitem 4 fitem 4 fitem 4 fitem 4 fitem 4 fitem 4 fitem 4 fitem 4	f cost /gal. /gal. /gal.	amount	cost per item
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES) 6.48 no.	gal. gal. lot	daily n daily n dd dd dd 0% oi 0% oi 0% of Php daily n	erital m³/manhour lay lay unil litem 4 fitem 4 fitem 4 fitem 4 + 5 + 6	f cost /gal. /gal. /gal.	amount	cost per item
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2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats onty) Glazing Putty (Dry wall) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor ****installation	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES) 6.48 no. production rate	gal. gal. lot	O% of Php daily i	ental m³/manhour lay lay unil filem 4 filem 4 ilem 4 ilem 4 ilem 4 ilem 4 ay m³/manhour ay m³/manhour	f cost /gal. /gal. /gal. /gal	emount emount emount emount days to complete	cost per item
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2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry wall) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor ""hauling of materials unskilled laborer ***"installation leadman skilled laborer	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES) 6.48 no. production rate	gal. gal. lot	O% of O% of Php	ental m*/manhour lay lay unil filem 4 filem 4 filem 4 + 5 + 6 m*/manhour ay m*/manhour ay ay	f cost /gal. /gal. /gal. /gal	amount amount amount days to complete days to complete	cost per hem
2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry wall) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tex 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor ""hauling of materials unskilled laborer winstallation leadman skilled laborer unskilled laborer 2 equipment (rental based on ACEL rates)	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES) 6.48 no. production rate	gal. gal. lot	O% of O% of Php Id	ental m*/manhour lay lay unil filem 4 filem 4 filem 4 + 5 + 6 m*/manhour ay m*/manhour ay ay	cost /gal. /gal. /gal	emount days to complete emount days to complete days to complete	cost per hem
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2 equipment (rental based on ACEL rates) H-Frame 1.7m x 1.2m, set minor tools (10% of Labor Cost) 3 material & description Primer(Flat Latex) Semi-glosslatex (two coats only) Glazing Putty (Dry well) consumables (5% of material cost) 4 Total Direct Cost (1 + 2 + 3) 5 OCM (OVERHEAD, CONTINGENCIES & MISCELLA 6 Contractor's Profit 7 Tax 8 Total Cost (4 + 5 + 6 + 7) h. Pantry Sink w/ cabinetry (including counter) 1 labor ""hauting of materials unskilled laborer unskilled laborer 2 equipment (rental based on ACEL rates) minor tools (10% of Labor Cost) 3 material & description	output rate 4 quantity 8 12 4 1 NEOUS EXPENSES) 6.48 no. production rate	gal. gal. lot	O% of O% of Php Id	ental m³/manhour ay ay unii filem 4 filem 4 filem 4 filem 4 filem 4 filem ay m²/manhour ay ay ay ay ay antal m²/manhour ay	f cost /gal. /gal. /gal. /gal	emount days to complete emount days to complete days to complete	cost per item
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1-	Welding rod	2	kgs		/ka	-		1
	Hardwares, accessories and Handles	1	let		/lot	-		
	consumables (5% of material cost)	1	lot		lot			
	4 Total Direct Cost (1 + 2 + 3)							
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	CONTRACTOR							
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Omnibus Sworn Statement

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

AFFIDAVIT

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 d	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]

Republic of the Philippines BENGUET STATE UNIVERSITY



La Trinidad, 2601, Benguet Province Tel (074) 422-2401 Telefax (074) 422-2176

TECHNICAL SPECIFICATIONS

"REPAIR AND UPGRADING OF VARIOUS ACADEMIC LABORATORIES"

BENGUET STATE UNIVERSITY, LA TRINIDAD, BENGUET
NOVEMBER 2023

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 General Conditions Section II Section III Mobilization Concrete and Masonry Carpentry and Lumber Section IV Section V Section VI Tinsmith Works Section VII Doors and Windows Section VIII Painting Works Plumbing and Water Service System Section IX 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 location of the proposed repair of academic laboratories 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 snapes 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 subgrade 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:

Footing, Columns, Bearing Walls
 Slab of fill
 5,000 psi
 5,500 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:

- 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 AA" mixture, Ready mix concrete 3000 psi, 21MPA); with the necessary reinforcing bars as indicated in the structural plan.
- 2. Columns Reinforced Concrete ("Class A" mixture, Ready mix concrete 4000 psi, 27.58MPA); with the necessary reinforcing bars as indicated in the structural plan.
- 3. Beams Reinforced Concrete ("Class A" mixture, Ready mix concrete 4000 psi, 27.58MPA); with The necessary reinforcing bars as indicated in the structural plan.
- 4. Floor Slabs

4.1 All Floor Slab	Reinforced Concrete ("Class B" mixture, Ready mix concrete
	3000 psi, 21MPA); with the necessary reinforcing bars as
	indicated in the structural plan.
4.1.a Finishing	Granite Floor Tiles

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 side unless otherwise specified.
5.1.a Finishing	Semi-Gloss Latex by Boysen/Davies or equivalent
J.I.a I IIIISMING	Semi-Gross caces by boysen/bavies of equivarent
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.
- Pouring of concrete for foundations shall be done after 850 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 rement 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

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 sask 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 %" 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 %" thick plywood on 2"x 2" ceiling joist spaced at 600mm O.C. both ways or as specified on plans.

8. ROOR FRAMING

- a. Lumber shall be well seasoned, dry and free from large, loose and unsound knots, saps, shakes or other imperfections that may impair its strength, durability or appearance.
- b. No part of the roof frame shall be exposed to weather especially moist and rain.

9. 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. 3%" x 3%" 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 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

- a. Use .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 %" 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 0.5mm. 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.

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 windows.

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 3/4" thick 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 VITT - PAINTING WORKS

1. GENERAL

a. The manufacture's painting specification for Davies paints shall be considered 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 Davies Paints Philippines Inc.
- 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 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.
- Manufacture's requirements for preparation of surfaces shall be considered apart of these specifications.

8. PAINTING SCHEDULE

a. Wood (ceiling)

Primer : Boysen/Davies Flat Wall Enamel or equivalent Second Coat : Boysen/Davies Flat Latex, White or equivalent

Third Coat : Boysen/Davies Semi-gloss, Latex, White or equivalent

b. Exterior Wall

Cementitious Waterproofing: Boysen /Davies or equivalent

Skim Coat : Boysen /Davies or equivalent

Primer : Boysen /Davies Acrytex Cast B_5715 or equivalent
Second Coat : Boysen /Davies Wallguard, Semi-gloss Latex or equivalent
Third Coat : Boysen /Davies Wallguard, Semi-gloss Latex or equivalent

c. Interior Wall

Cementitious Waterproofing: Boysen /Davies or equivalent

Skim Coat : Boyson /Davies or equivalent

Primer : Boysen /Davies Flat Latex or equivalent

Second Coat : Boysen /Davies Semi-gloss Latex, White or equivalent Third Coat : Boysen /Davies Semi-gloss Latex, White or equivalent

d. Steel Window

Primer : Boysen /Davies Red Oxide or equivalent

Second Coat : Boysen /Davies Permacoat Gloss Latex Paint or equivalent

e. Other Wood Surfaces

Baseboard : Boysen /Davies Chocolate Brown or equivalent

Door Jamb : Boysen Raw Siena

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 850 Project Architect or Engineer.

4. MATERIALS

a. All plumbing fixtures shall be within the American Standard or equivalent.

5. PLUMBING FIXTURES AND ACCESSURIES

- a. Water Closet and Lavatory and Fittings American Standard or equivalent
- b. Stainless Single Tub Kitchen sink (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 with 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.

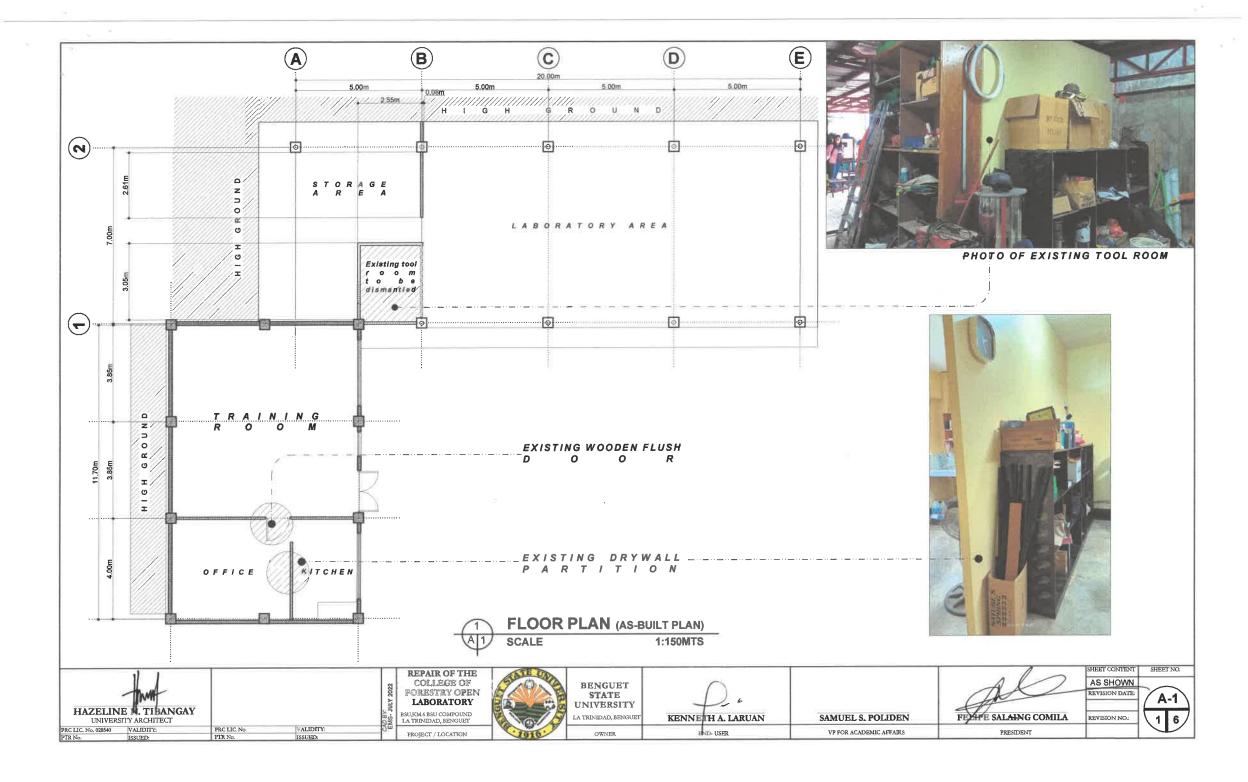
The payment shall be subjected to retention of ten percent (10%) referred to as the "retention money" in accordance with pertinent provisions of RA 9184.

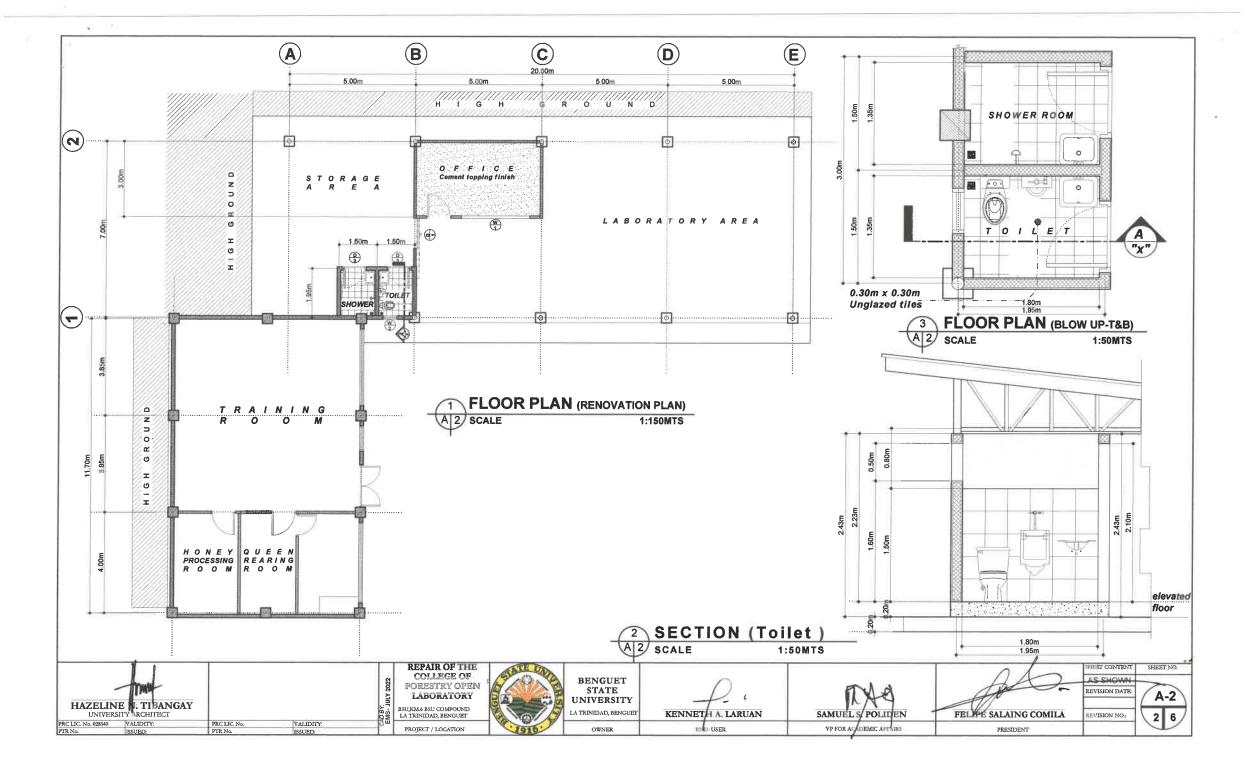
Prepared by:

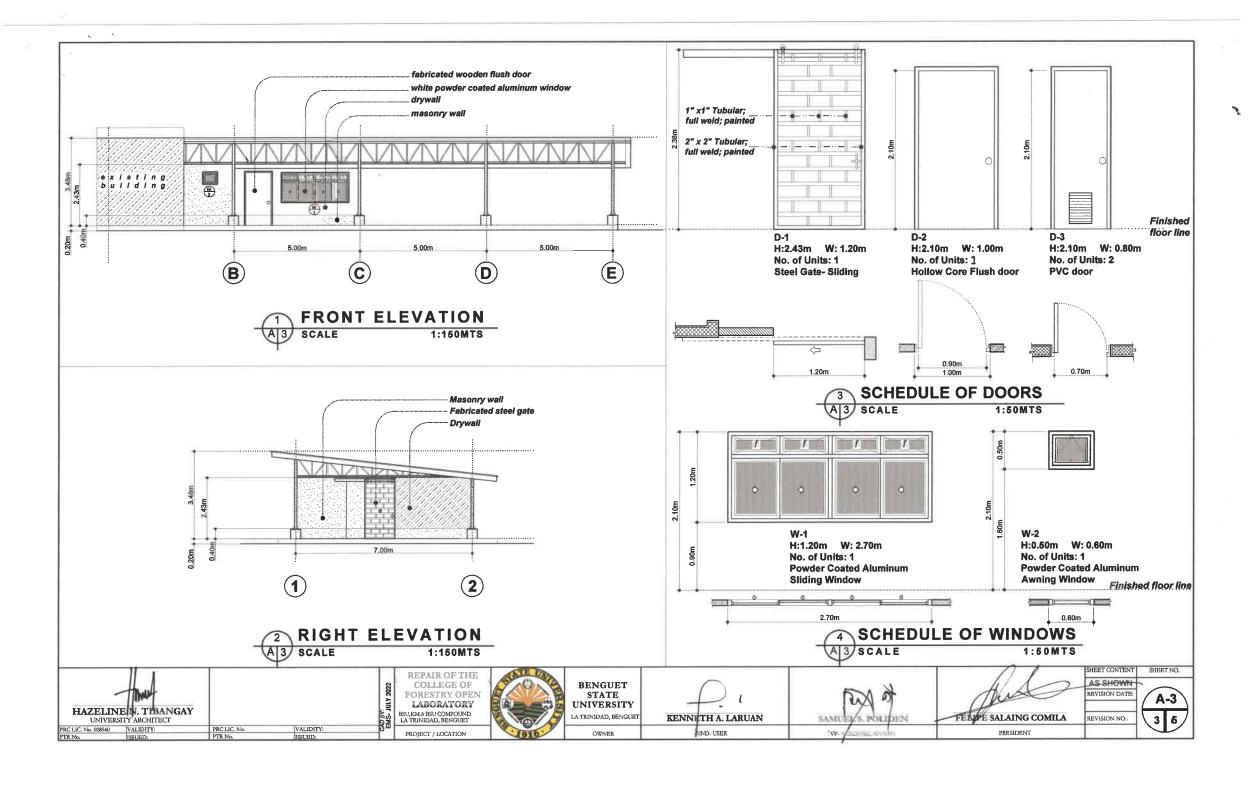
ARCH. HAZELINE N. TIBANGAY

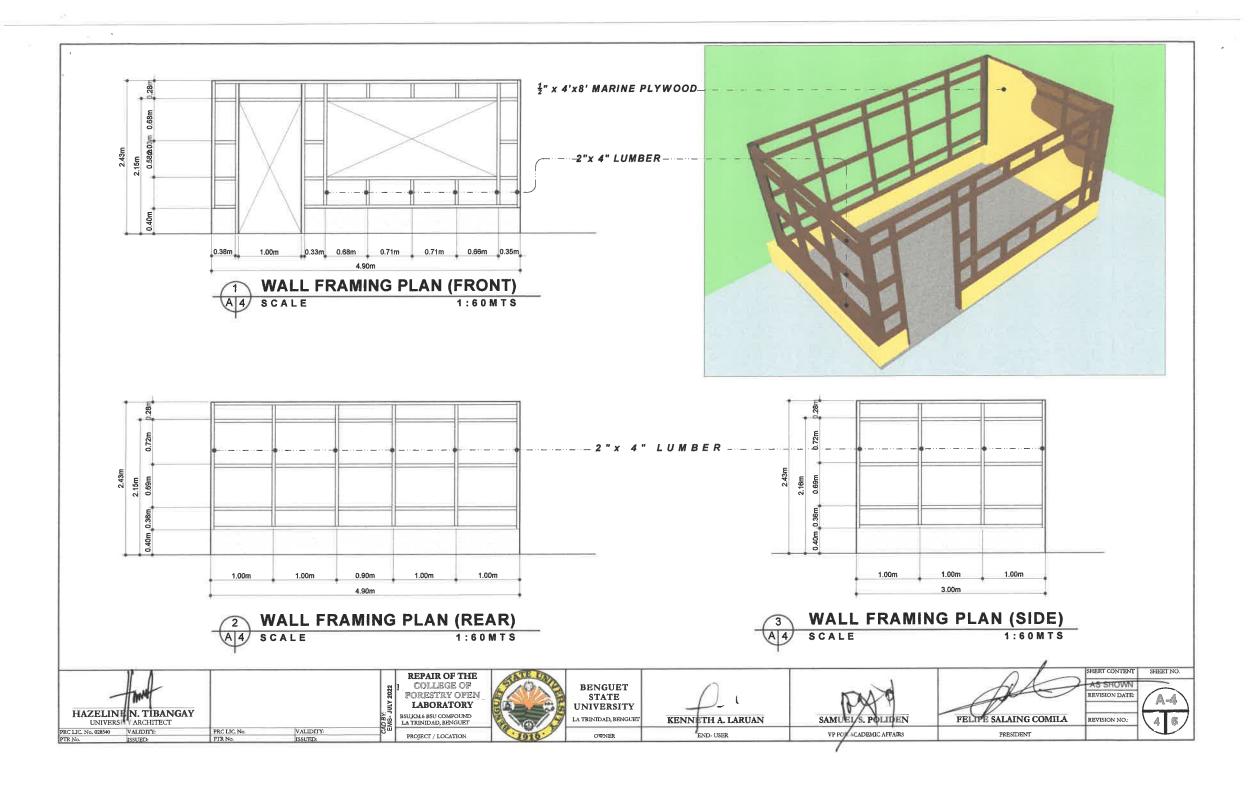
Architect III

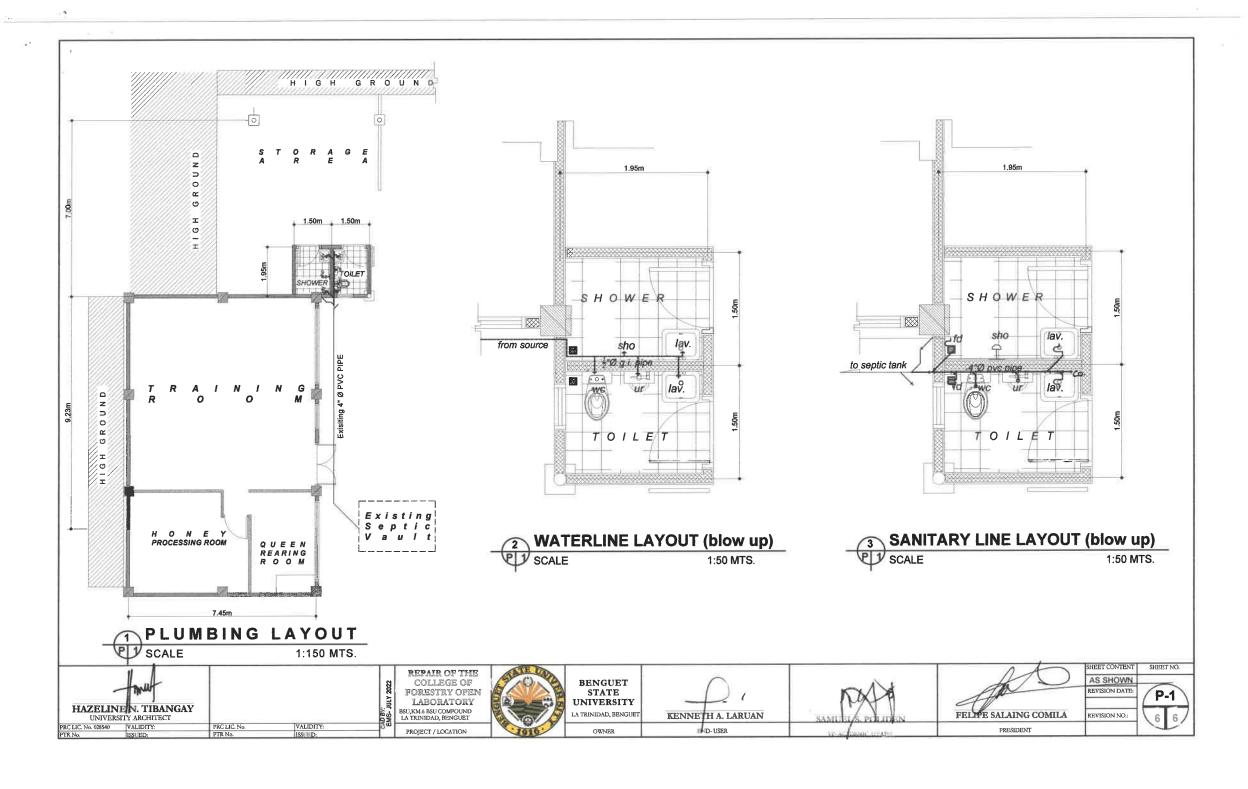
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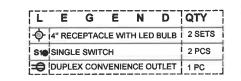


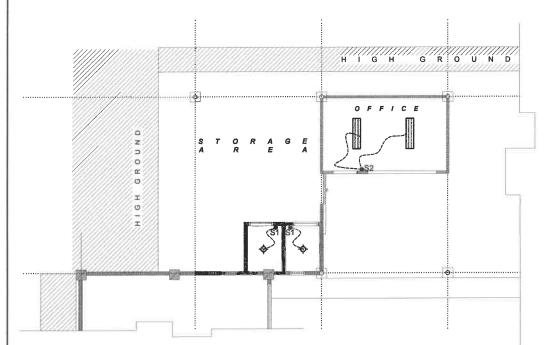


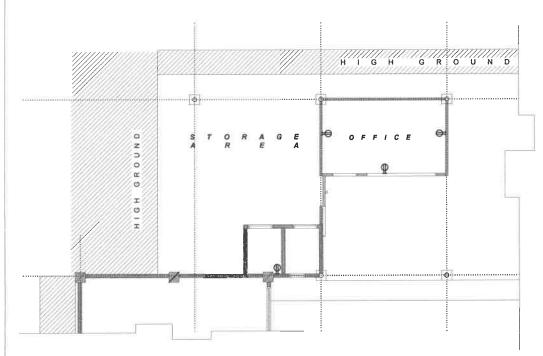












1 ELECTRICAL LIGHTING LAYOUT (RENOVATION)
E 1 SCALE 1:50 MTS

2 ELECTRICAL POWER LAYOUT (RENOVATION)
E 1 SCALE 1:50 MTS



700 A100 September 100 September 100 September

REPAIR OF THE
COLLEGE OF
FORESTRY OPEN
LABORATORY
BEATTHINDAD, BENGUET
PROJECT / LOCATION



BENGUET STATE UNIVERSITY LA TRINIDAD, BENGUET OWNER

KENNETH A. LARUAN

SAMUEL S. POLIDEN

VP. CADEMIC AFFAIRS

FILLIPE SALAING COMILA

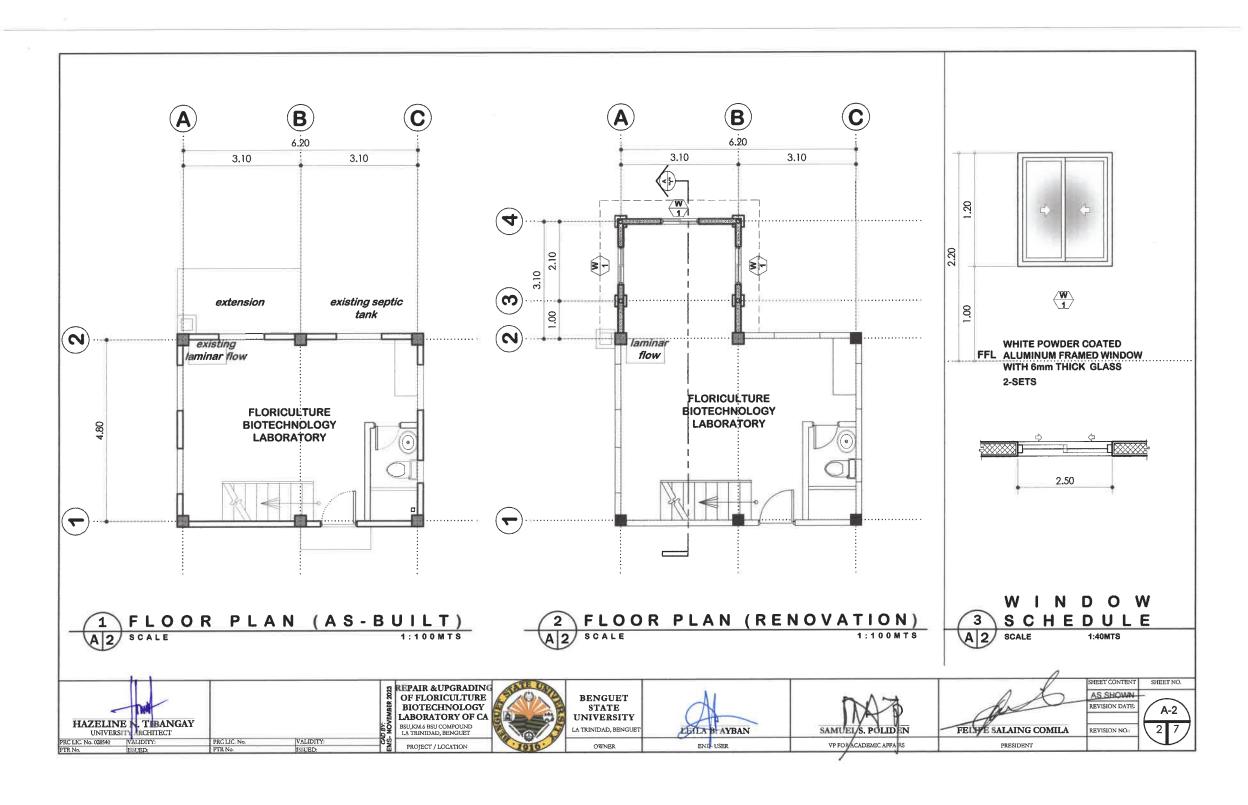
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REVISION DATE:

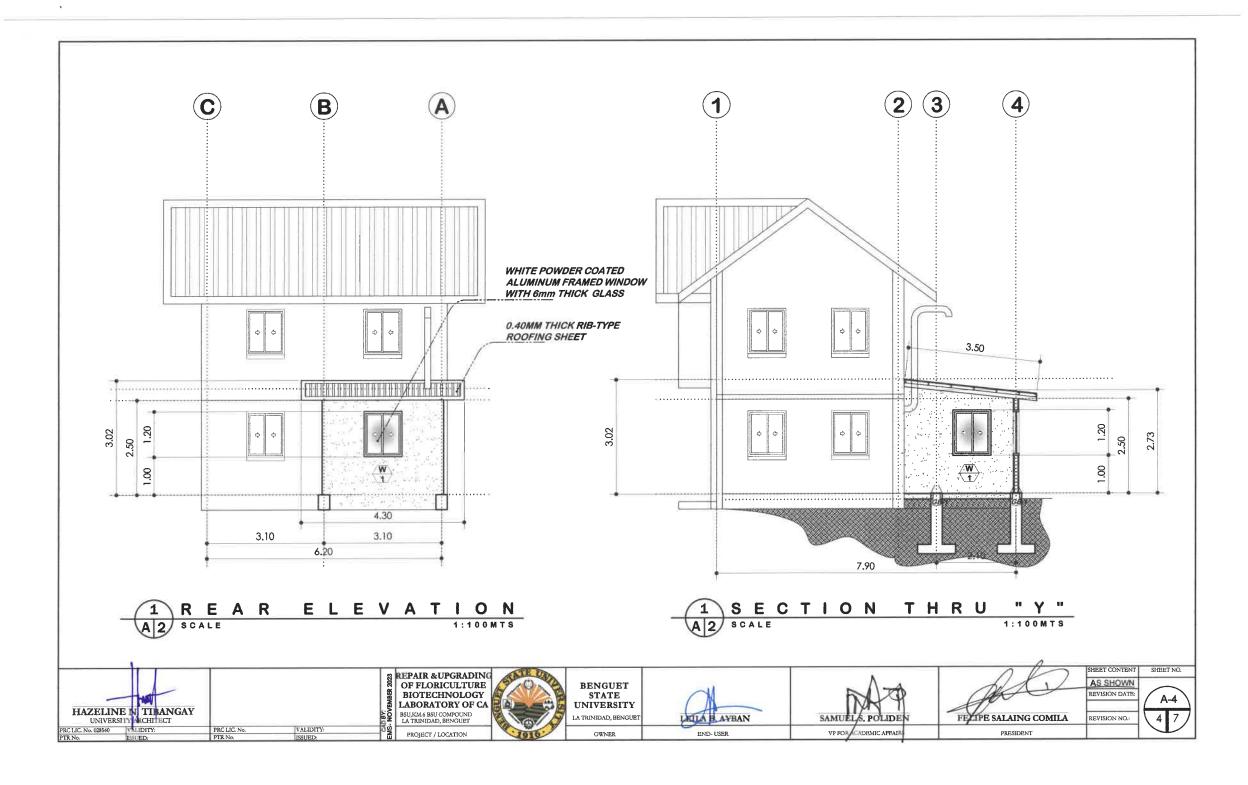
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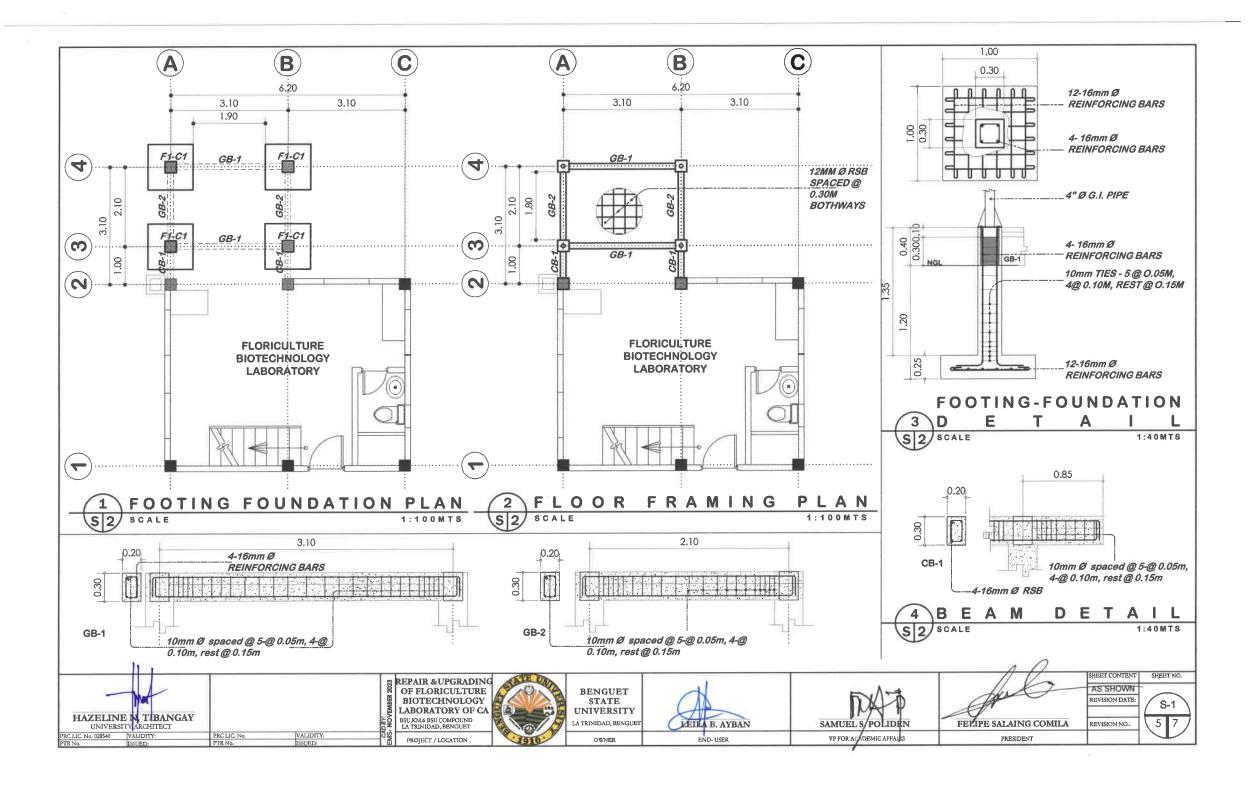
E-1

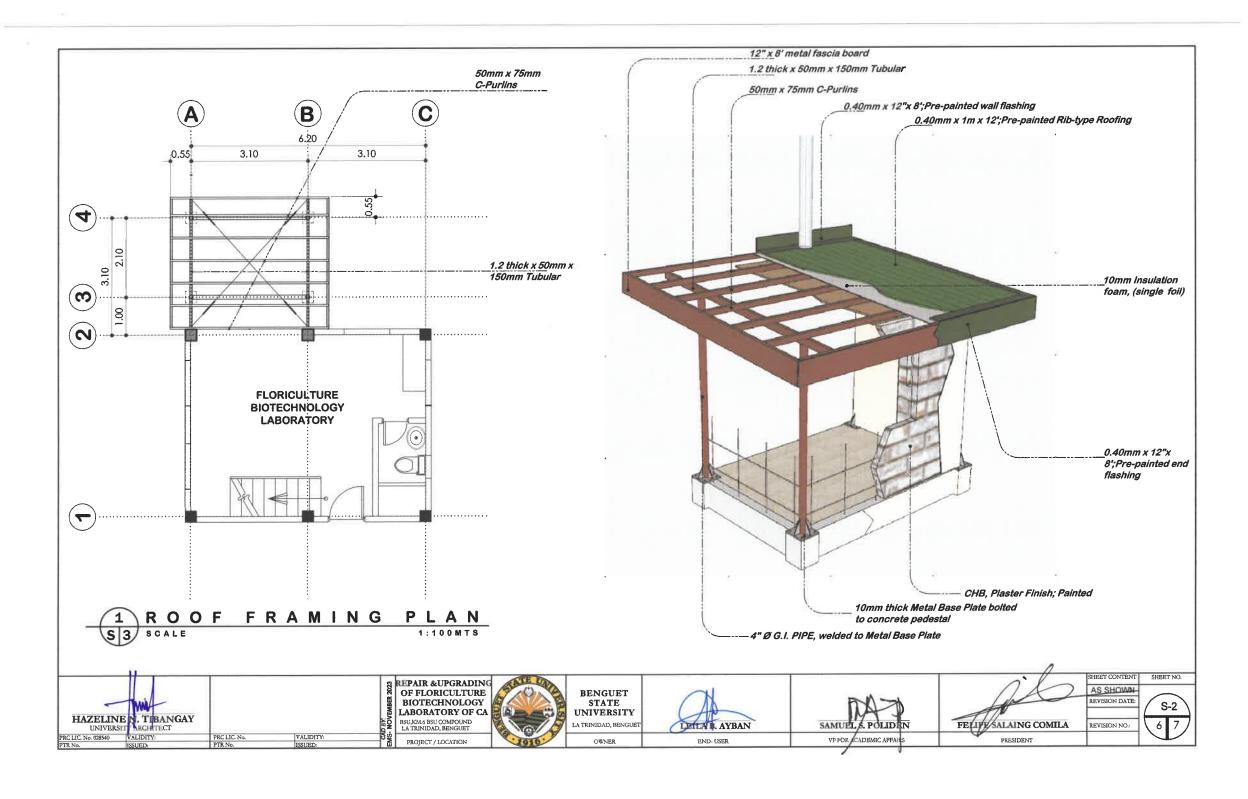


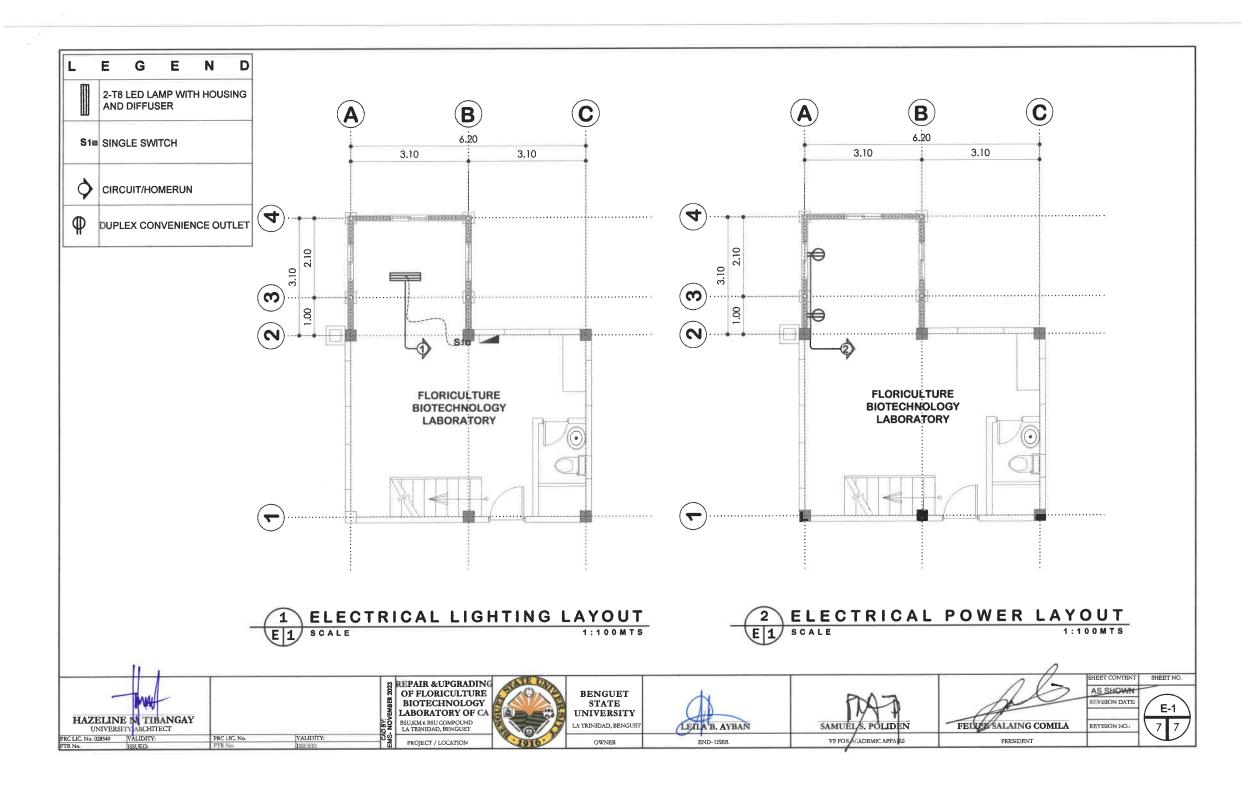


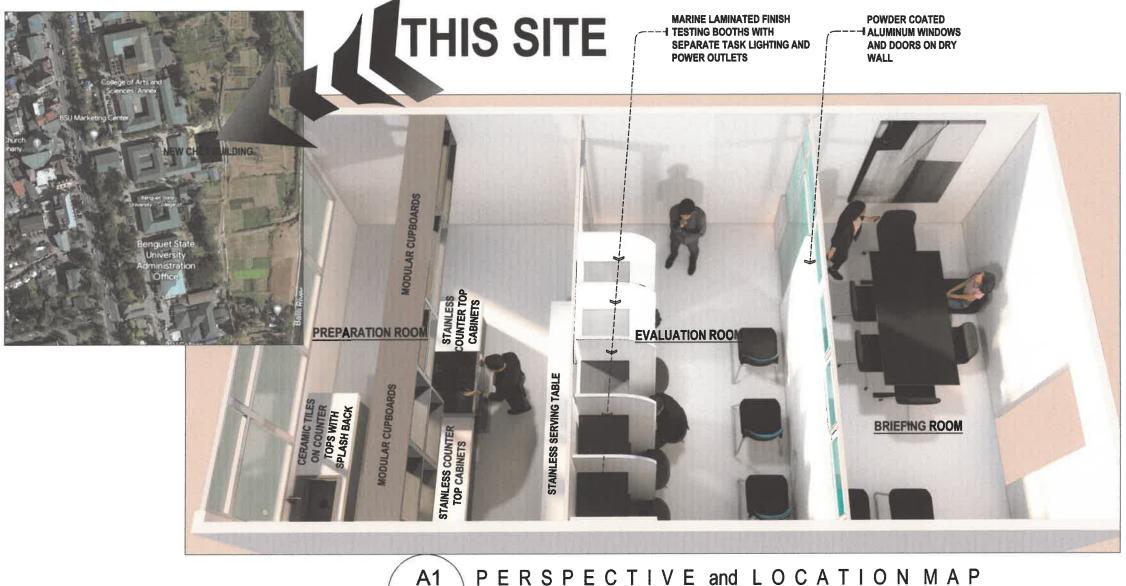










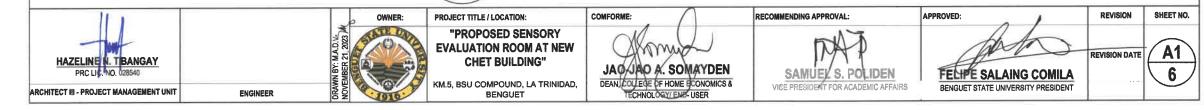


PERSPECTIVE and LOCATION MAP

01 - 02

SCALE

not to scale

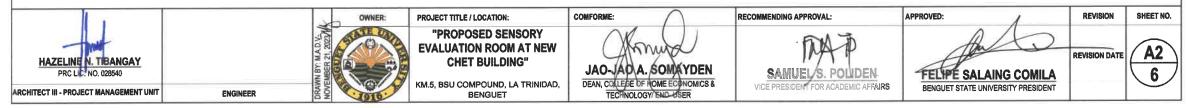


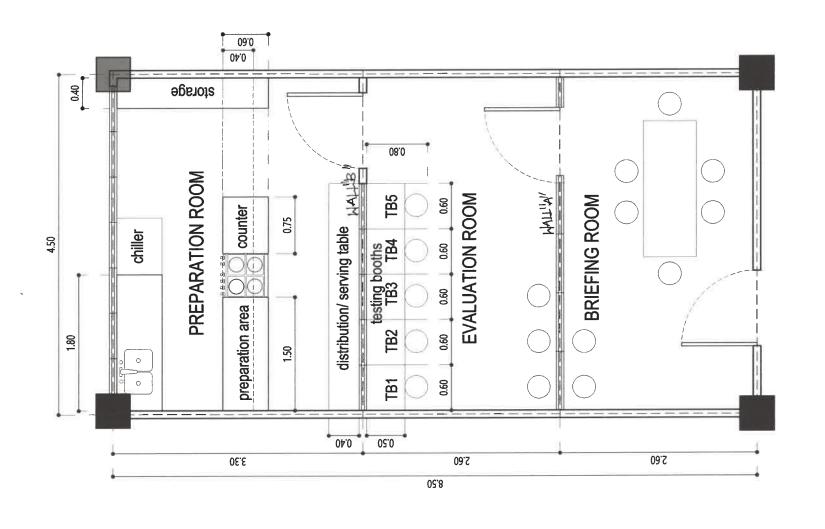






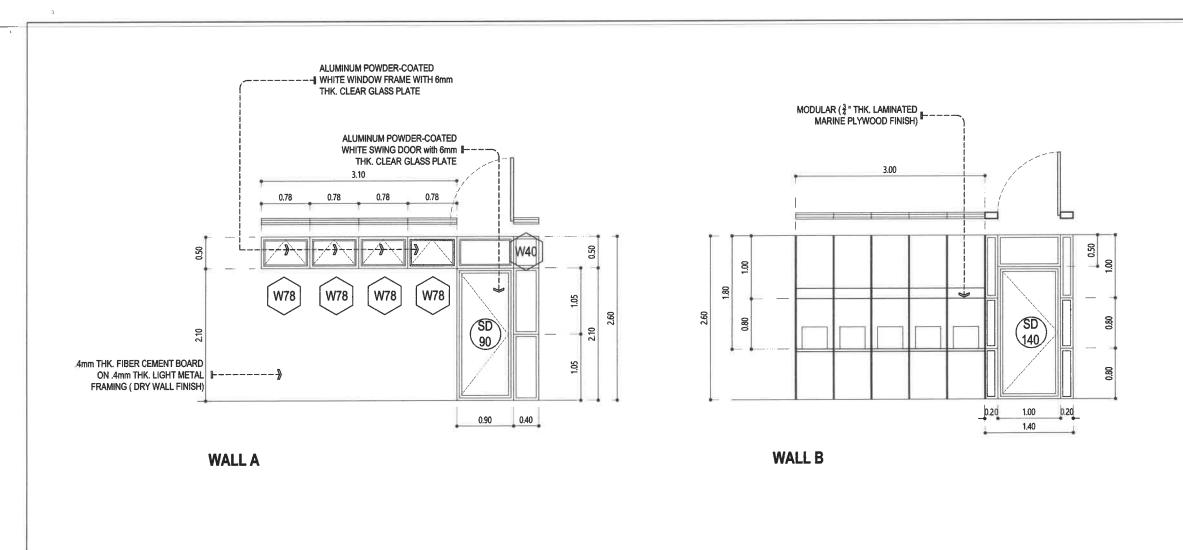
A1 P E R S P E C T I V E S
01 - 02 SCALE not to scale





A1 FLOOR PLAN
01 - 02 SCALE 150 meters

COMFORME: APPROVED: REVISION SHEET NO. RECOMMENDING APPROVAL: PROJECT TITLE / LOCATION: "PROPOSED SENSORY **EVALUATION ROOM AT NEW** PRC LC. NO. 028540 **CHET BUILDING"** JAO AO A SOMAYDEN DEAN, COLLEGE OF HOME ECCHOMICS & ECHNOLOGY END USER FELIPE SALAING COMILA BENGUET STATE UNIVERSITY PRESIDENT SAMUEL S. POLIDEN KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET ARCHITECT III - PROJECT MANAGEMENT UNIT ENGINEER

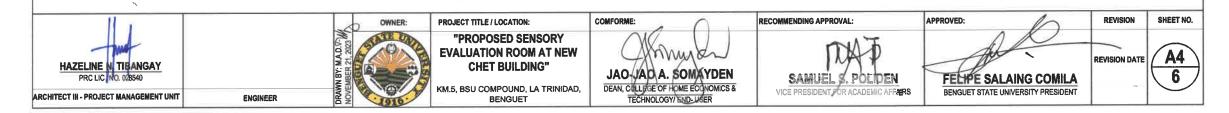


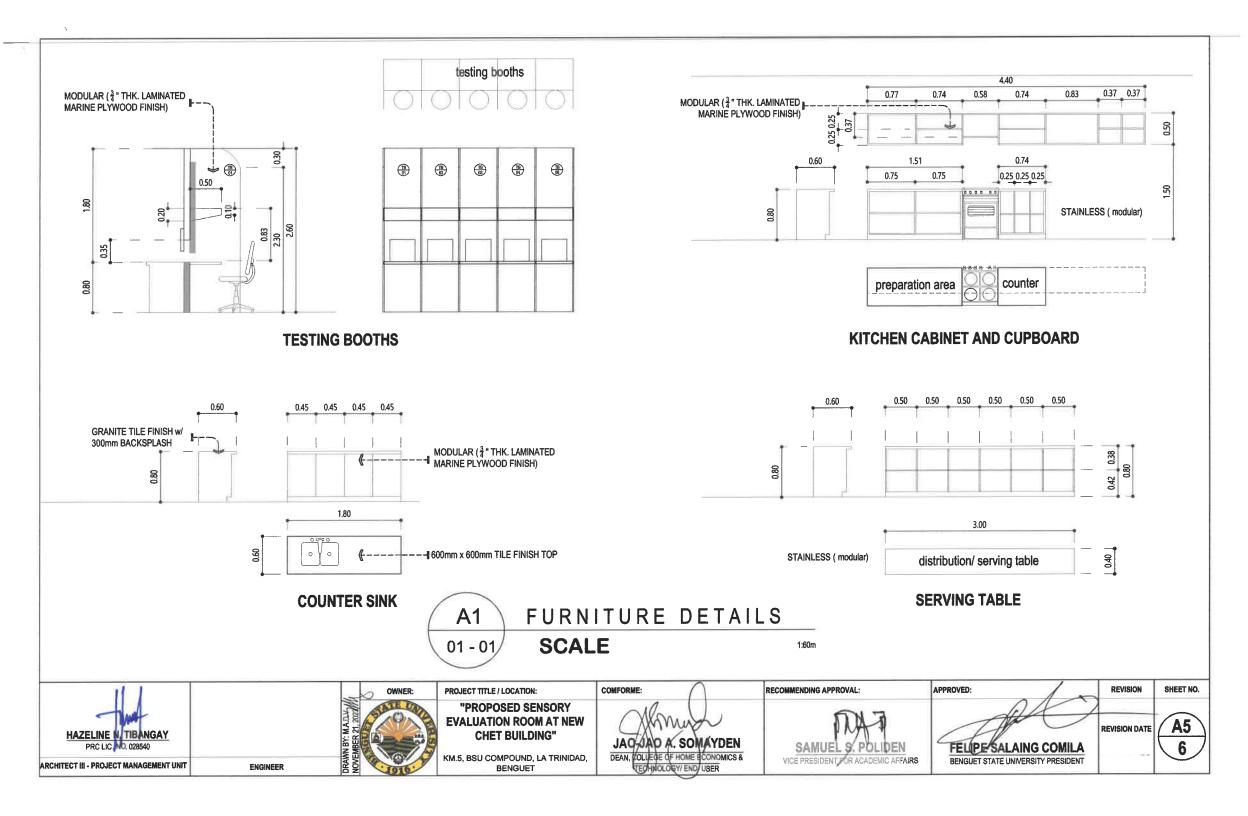


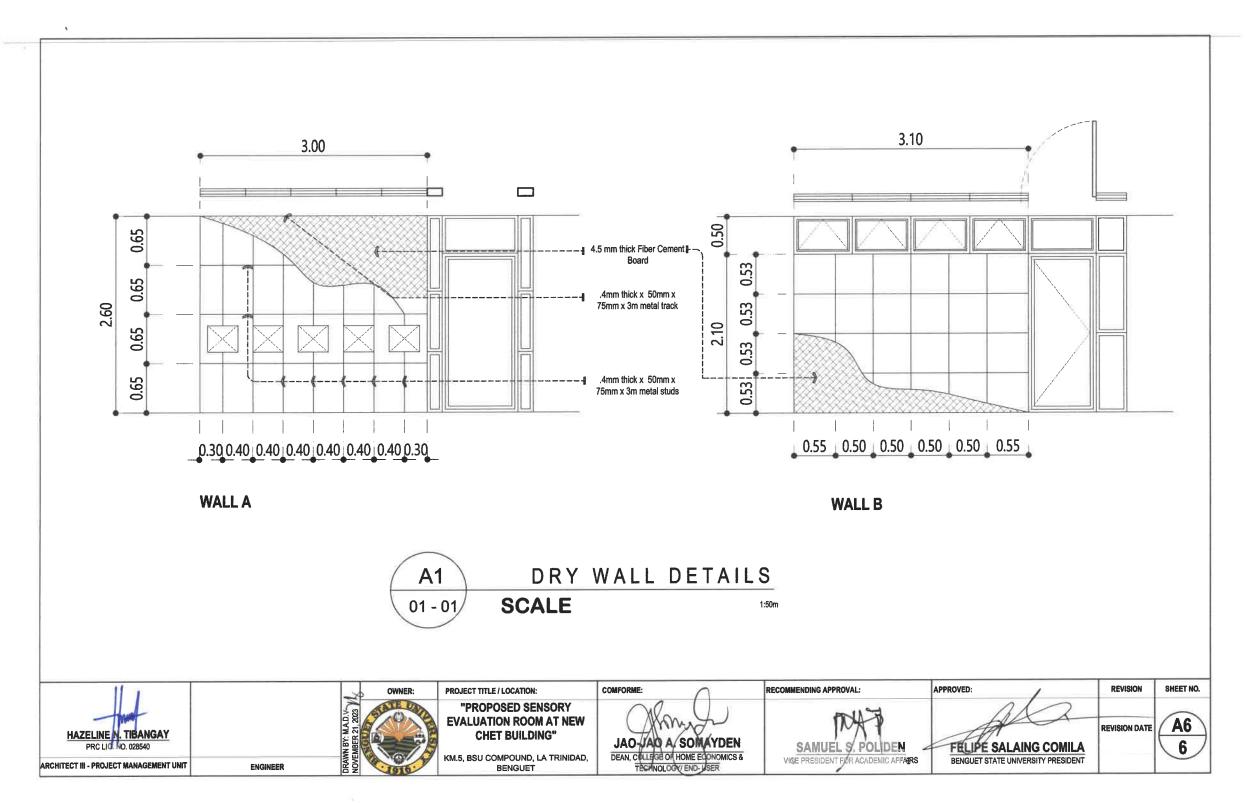
DOORS, WINDOWS AND PARTITION DETAILS

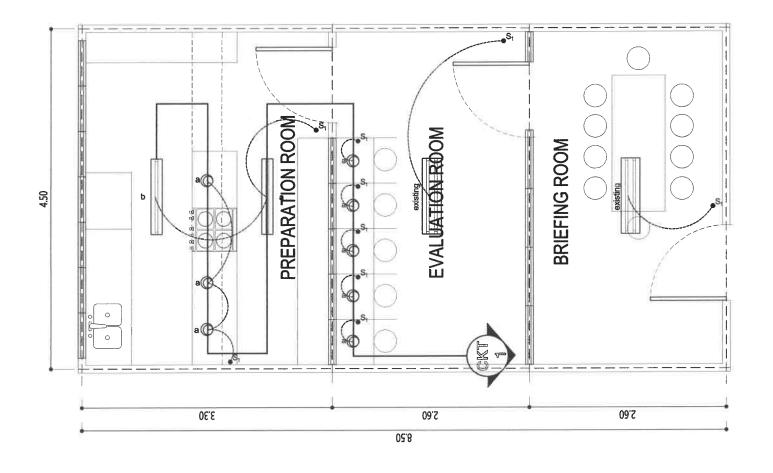
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1:60m



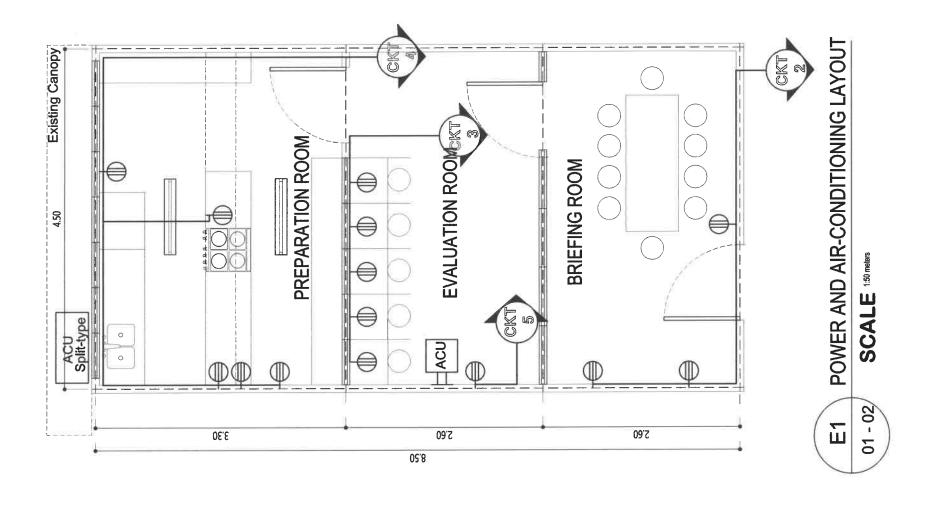


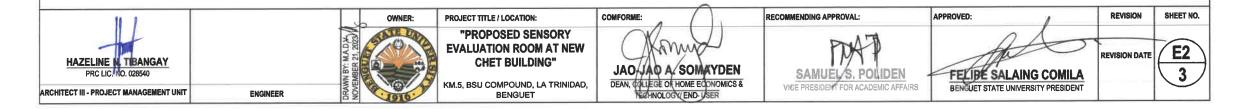


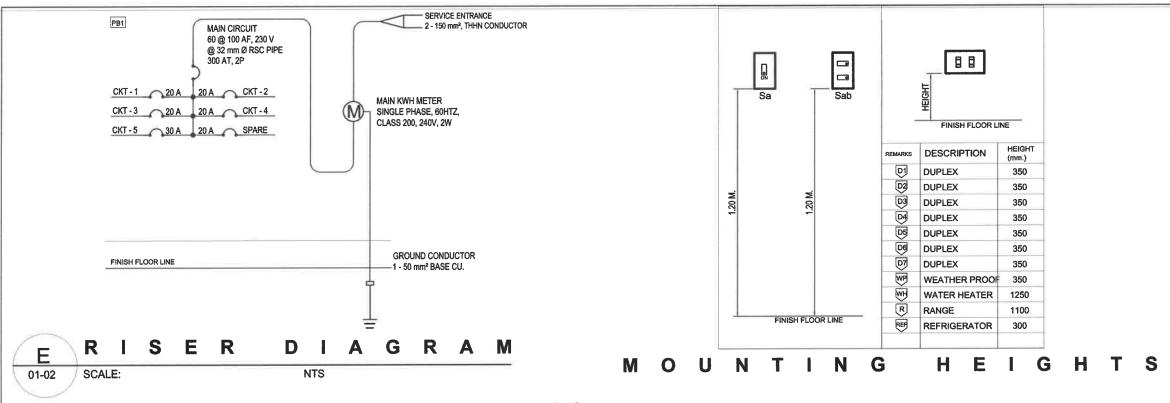


E1 LIGHTING LAYOUT
01 - 02 SCALE 150 meles

1/ 4			OWNER:	PROJECT TITLE / LOCATION:	COMFORME:	RECOMMENDING APPROVAL:	APPROVED:	REVISION	SHEET NO.
HAZELINE N TIBANGAY PRC LIC NO. 028540		BP: MA.B-W		"PROPOSED SENSORY EVALUATION ROOM AT NEW CHET BUILDING"	JAOJAQ A. SOMAYDEN	SAMIEL & POUDEN -	FELLE SALAING COMILA	REVISION DATE	E1 3
ARCHITECT III - PROJECT MANAGEMENT UNIT	ENGINEER	DRAWN	1919	KM.5, BSU COMPOUND, LA TRINIDAD, BENGUET	DEAN, COLLEGE OF HOME ECONOMICS & TECHNOLOGY END-USER	VICE PRESIDENT OR ACADE IC AFFAIRS	BENGUET STATE UNIVERSITY PRESIDENT		<u> </u>







LOAD SCHEDULES

PB1 (GROUND FLO	OOR)								
CIRCUIT NO.	LIGHTING OUTLET	CONVENIENCE OUTLET	WATTS / OUTLET	WATTS / CIRCUIT	VOLTS	V.A.	FUSE RATING	WIRE SIZE	CONDUIT SIZE
CKT1	10		100	1000	230	4.34	20 A 2P	2 - 2.5 mm THHN	20 mm FLEXIBLE CONDUIT
CKT2		3	100	300	230	1,30	20 A 2P	2 - 2.5 mm THHN	20 mm FLEXIBLE CONDUIT
CKT3		6	100	600	230	2.61	20 A 2P	2 - 2.5 mm THHN	20 mm FLEXIBLE CONDUIT
CKT4		5	100	500	230	2.17	30 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT
CKT5 (SPO)		1	740	740	230	3.22	30 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT
SPARE			200	200	230	0.87	30 A 2P	2 - 3.5 mm THHN	20 mm FLEXIBLE CONDUIT
TOTAL				3340	230	14.51			

COMPUTED LOAD ANALYSIS:

PANEL BOX 1 = 3340W

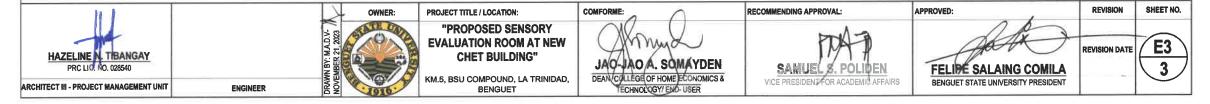
3340 W

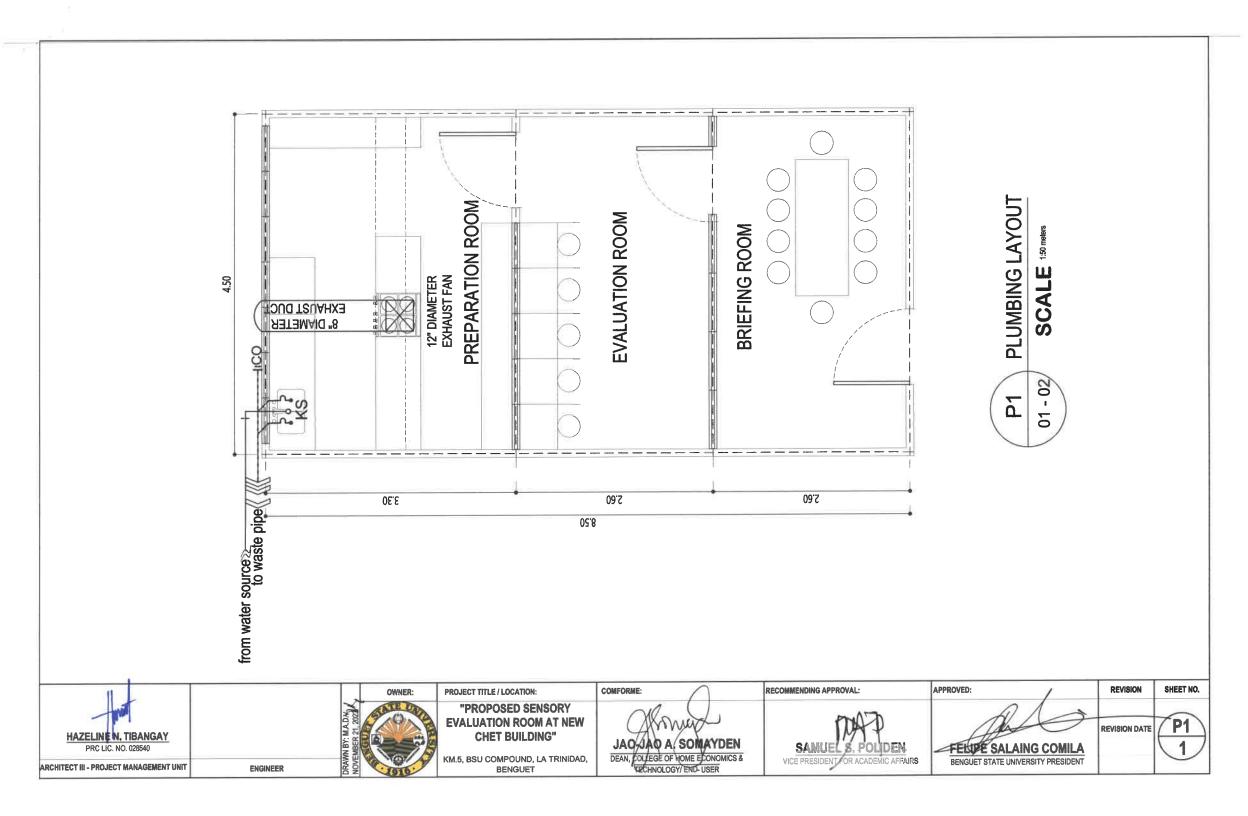
230 VOLTS = 14.51 AMPERES

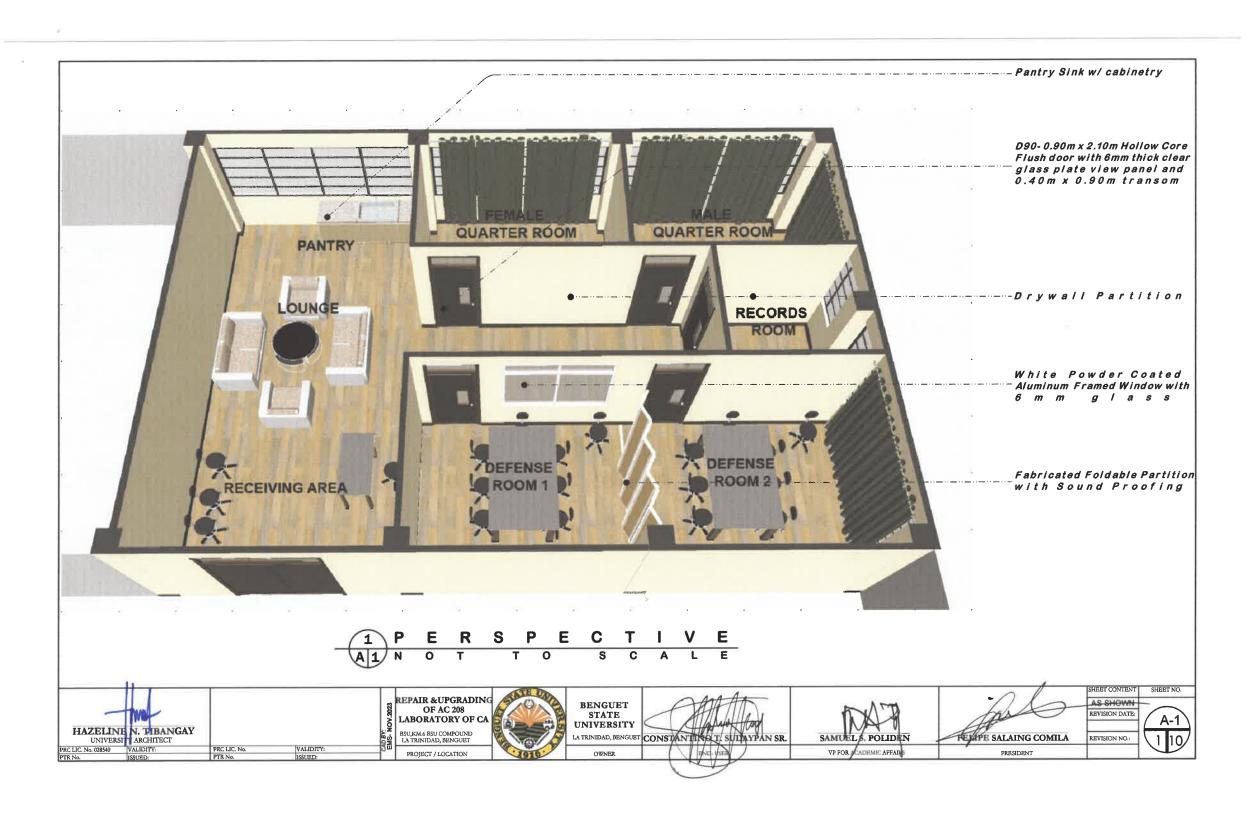
14.51AMP @ 80% DEMAND FACTOR = 11.608 AMP USE 2- NO. 150 mm² THHN AWG IN 50 RIGID STEEL CONDUIT FOR MAIN

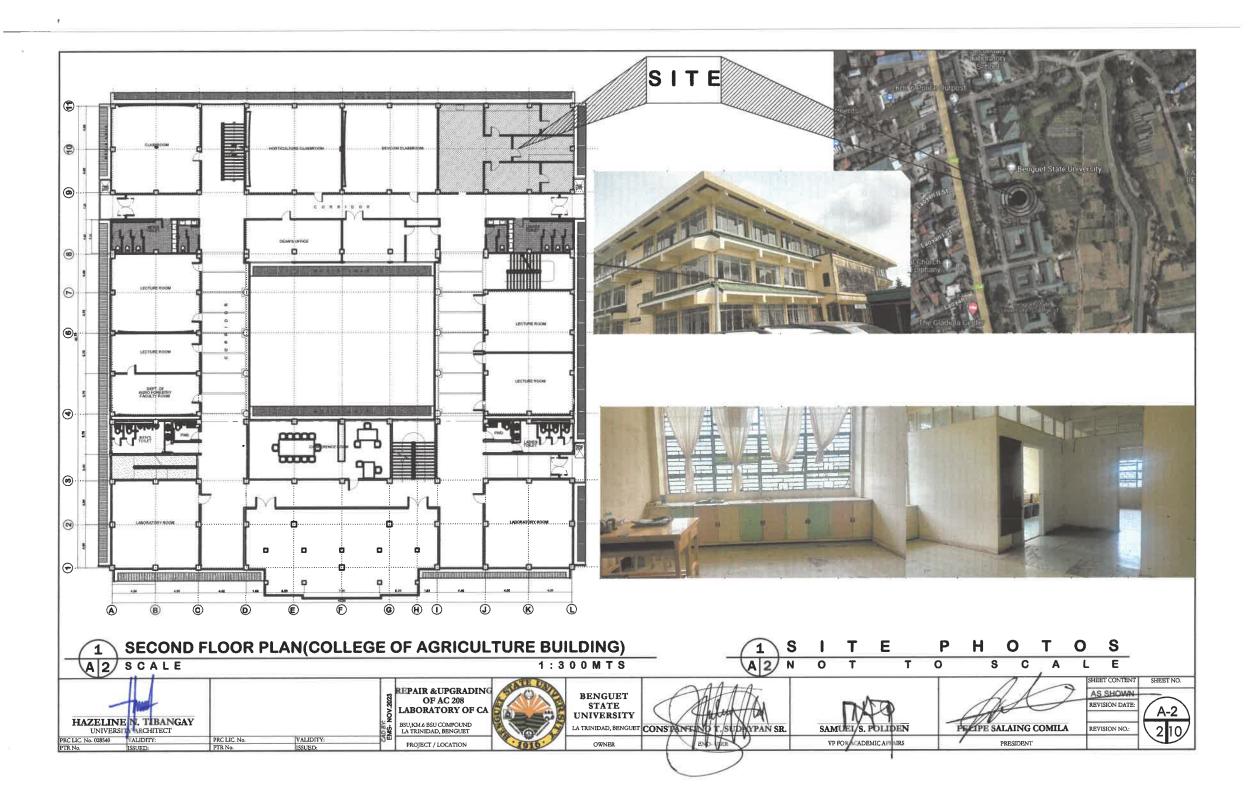
USE 60 A 2P FOR MAIN CIRCUIT BREAKER

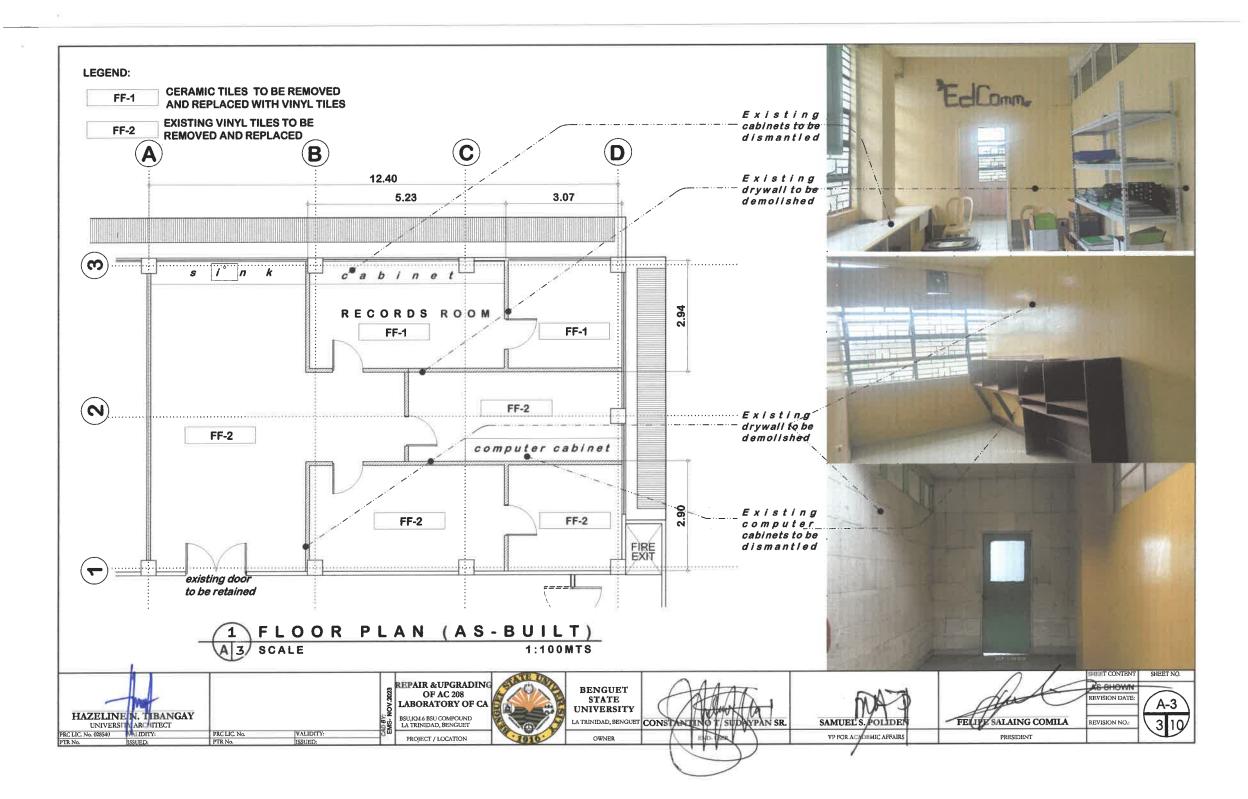


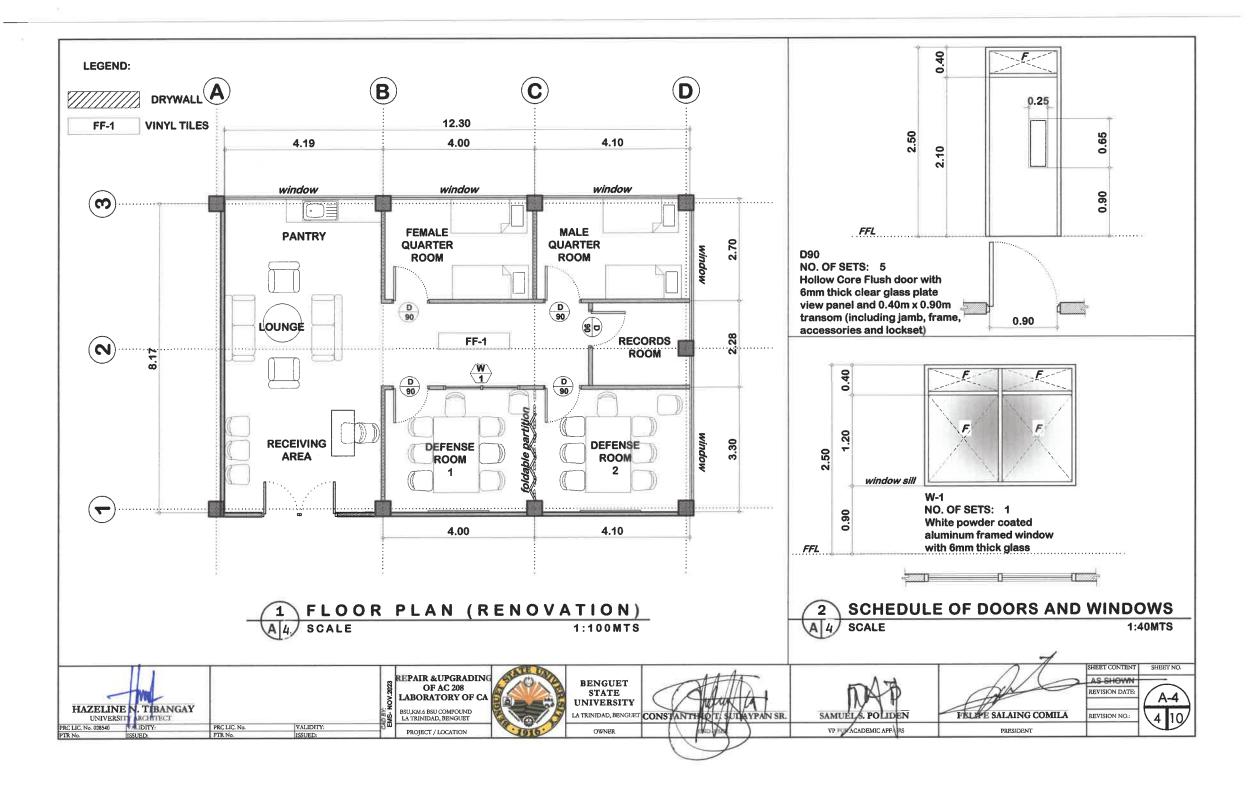


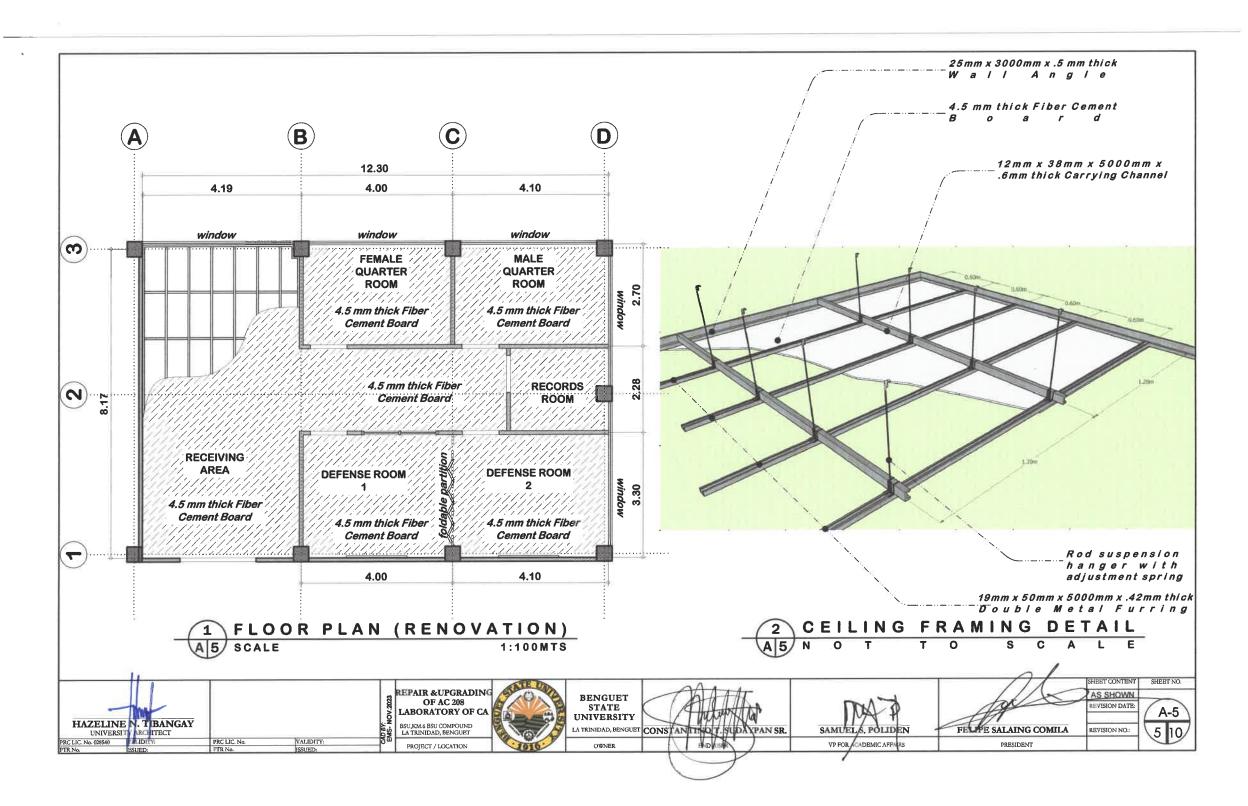


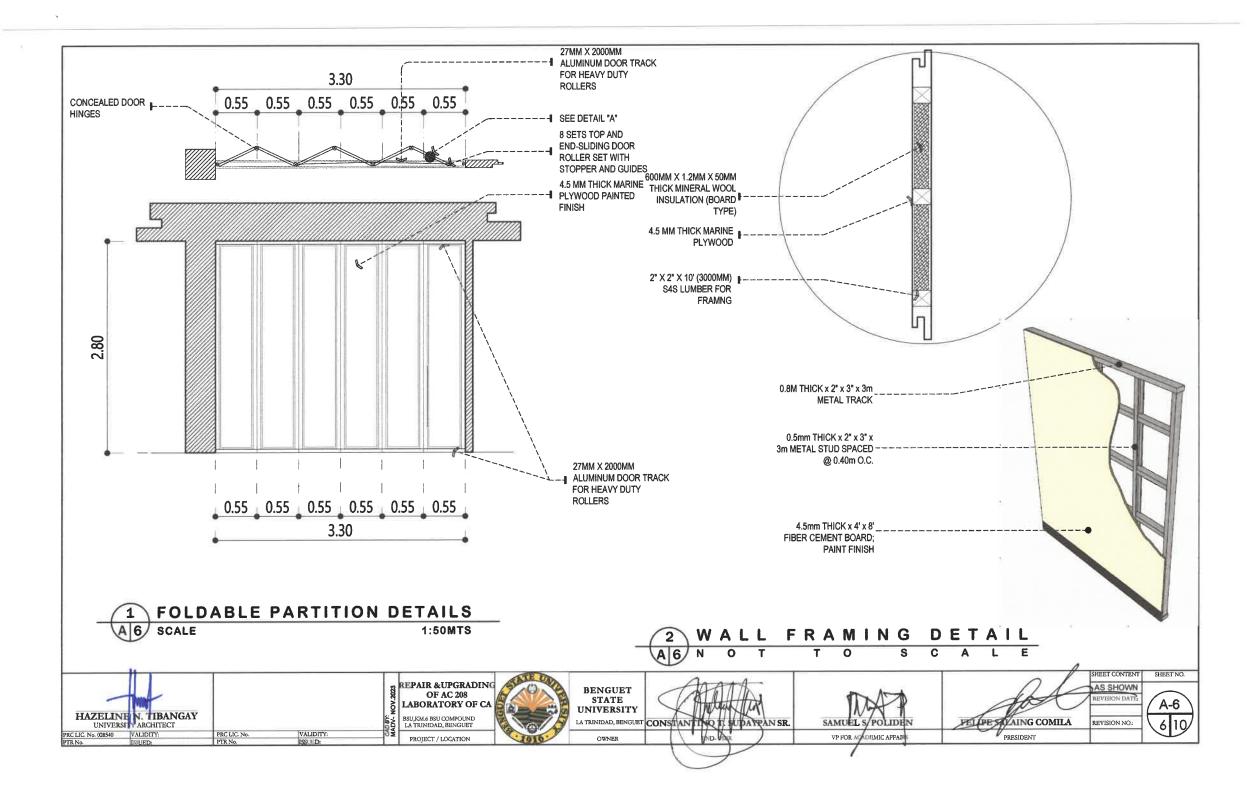


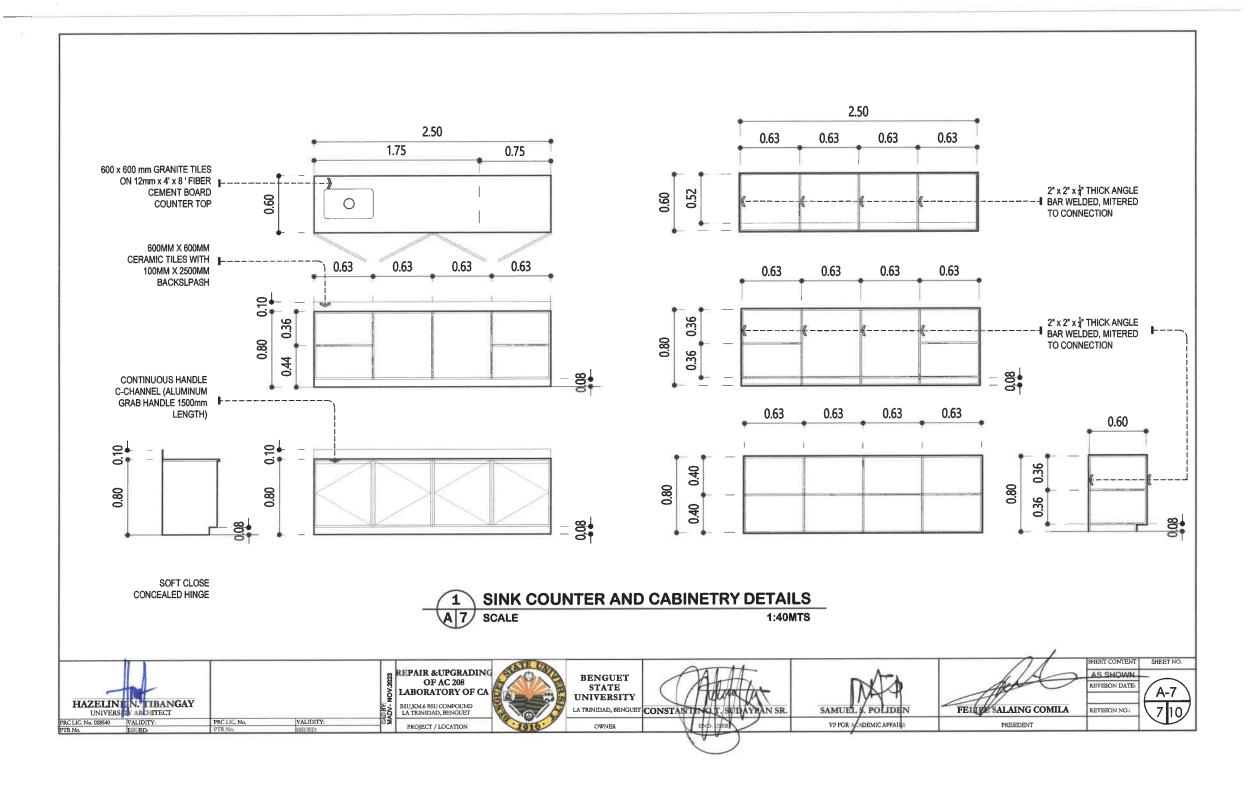


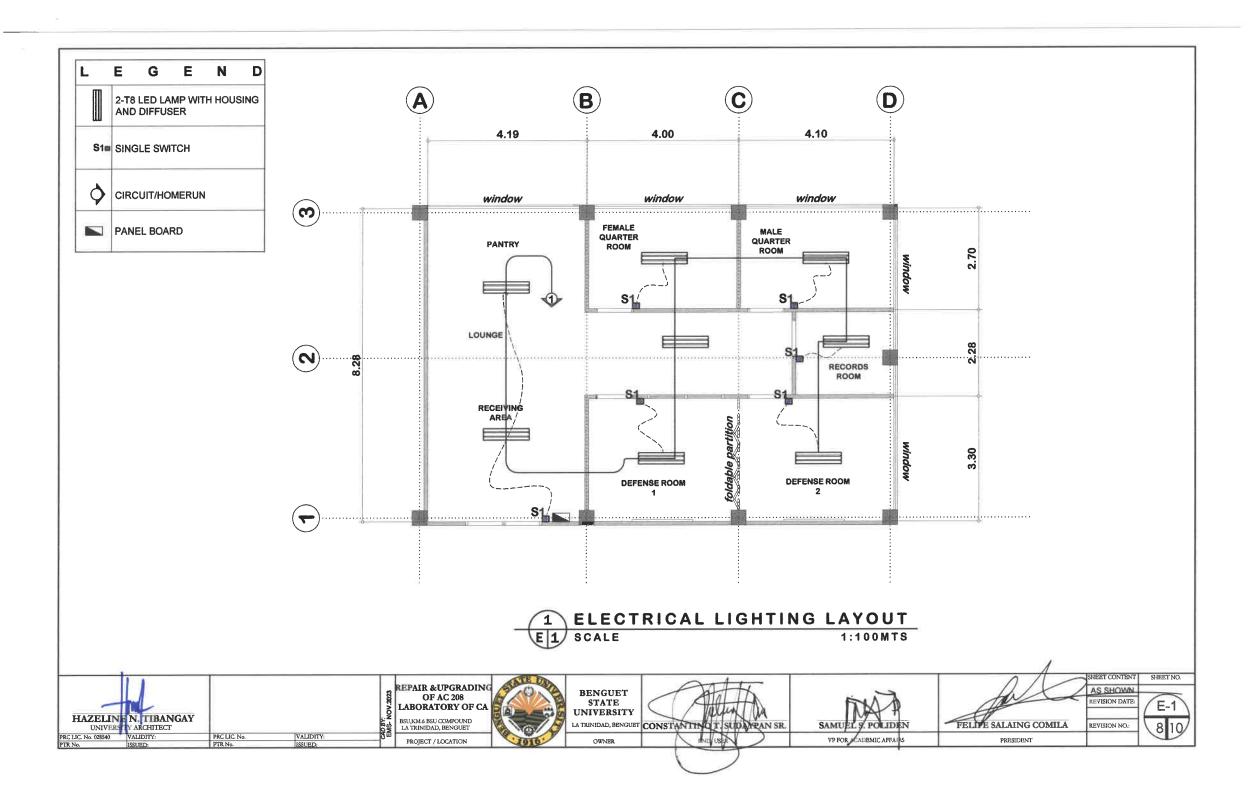


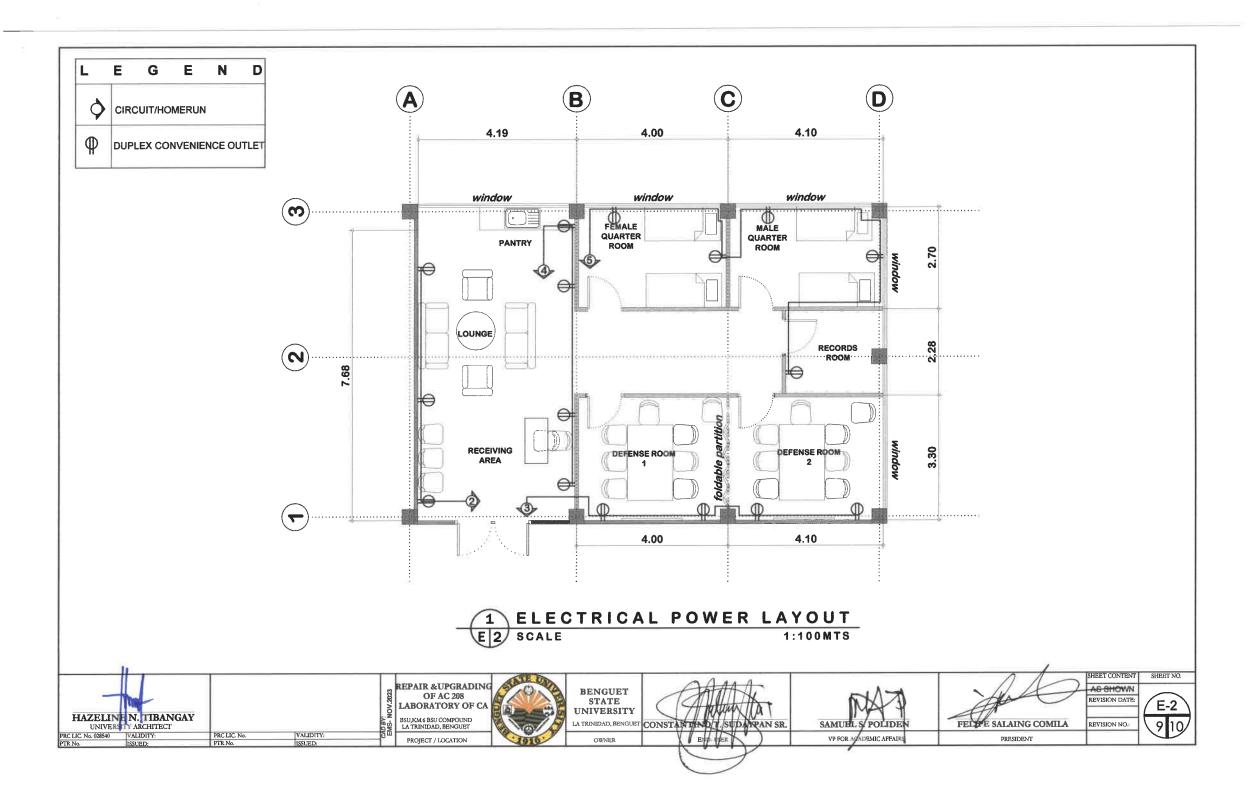












					TABULATED LO	AD COM	PUTATION				
	CKT NO	DESCRIPTION	QUANTITY	WATTS/OUTLET	WATTS/CIRCUIT	VOLTS	AMPERAGE	AF	AT	P	SIZE OF WIRE AND CONDUIT
PANEL BOX 1	1	LIGHTING FIXTURES	1	100	100	230	0.43	50	15	2	2-2.0mm² THHN in 20mm CONDUIT
	2	CONVENIENCE OUTLET	3	180	540	230	2.35	50	15	2	2-3.5mm² THHN in 20mm CONDUIT
	3	CONVENIENCE OUTLET	4	180	720	230	3.13	50	15	2	2-3,5mm² THHN in 20mm CONDUIT
	4	CONVENIENCE OUTLET	4	180	720	230	3.13	50	15	2	2-3.5mm² THHN in 20mm CONDUIT
	5	CONVENIENCE OUTLET	5	180	900	230	3.91	50	15	2	2-3.5mm² THHN in 20mm CONDUIT
Ī	TOTAL				2980	230	12.96				

LOAD COMPUTATION

TOTAL CURRENT LOAD 1 = 2980 w

WORKING CURRENT

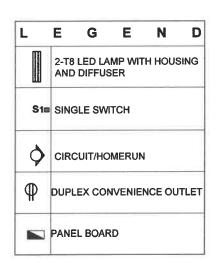
I = w/v = 2980 / 230 w = 12.96 amps

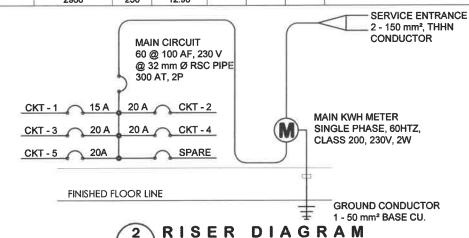
SAFETY DEMAND FACTOR 12.96 amps x 80% = 23.328 amps

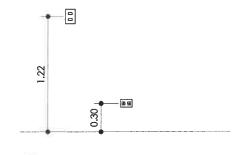
USE:

60 AMPS. MAIN SERVICE EQUIPMENT, 2 POLES, 230 VOLTS

2 - 150mm2. THHN FOR SERVICE ENTRANCE CONDUCTOR









GENERAL ELECTRICAL NOTES

- 1. ALL ELECTRICAL WORKS AND INSTALLATION SHALL CONFORM WITH THE PROVISIONS OF THE PHILIPPINE ELECTRICAL CODE OF THE NATIONAL AND LOCAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL CODES WITH RULES AND REGULATIONS OF THE UTILITY COMPANIES.
- 2. SERVICE UTILITY TO THE BUILDING SHALL BE 220 VOLTS, 60 HRTZ. SINGLE PHASE THREE WIRE SYSTEM.
- 3. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF THE CONCRETE TERMINAL POST FOR CONNECTION TO THE POWER SUPPLY AND OR THE TELEPHONE SERVICE.
- 4. ALL INSTALLATIONS SHALL BE CONCEALED FROM VIEW. WIRING SHALL BE ENCASED IN POLYVINYL CHLORINE (PVC) PIPES SCHEDULED 40 FOR POWER SERVICE ENTRANCE CAP WHICH SHALL BE IN RIGID STEEL CONDUIT (RSC) UNLESS OTHERWISE SPECIFIED.
- 5. MINIMUM CONDUIT WIRE SHALL BE NO. 12 AWG AND ₱ DIAMETER PIPE RESPECTIVELY, UNLESS OTHERWISE SPECIFIED.
- 6. MINIMUM WIRE AND CONDUIT SHALL BE PROVIDED EVEN IF NOT INDICATED IN THE DRAWINGS TO ACCOMMODATE NO. OF SPLICES OR WIRES.
- 7. FLUORESCENT LAMPS SHALL BE PROVIDED WITH POLYESTER FILLED PRE-HEATED THERMALLY PROTECTED HIGH POWER FACTOR BALLAST.
- 8. ALL MATERIALS TO BE LISTED SHALL BE NEW AND OF APPROVED QUALITY FOR BOTH LOCATION AND INTENDED USE.
- 9. LIGHT CONTROL SWITCHES SHALL BE RATED TO A, 250 VOLTS FOR ROUND SLOTS, 220 VOLTS AND PARALLEL SLOTS FOR SPECIAL PURPOSE OUTLETS SHALL BE RATED 15 AMPERE OR 20 AMPERE AS REQUIRED.
- 10. DUPLEX RECEPTACLES SHALL BE RATED 10 AMPERE, 250 VOLTS (ROUND SLOTS) FOR A LOAD NOT GREATER THAN 5.0 AMPS. LIGHT SWITCHES SHALL BE INSTALLED FOR OPERATION WITH VERTICAL MOTION.
- 11. ELECTRICAL INSTALLATION SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR A REGISTERED MASTER ELECTRICIAN.
- 12. ALL CHANGES IN PLANS AND SPECIFICATION SHALL BE DONE, UNLESS OTHERWISE APPROVED BY THE ARCHITECT.



SCALE