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

Bids and Awards Committee (BAC) – Infrastructure Project and Consulting Services

INVITATION TO SUBMIT QUOTATION

November 20, 2026

Reference Number: **2026-2151**
Name of the Project: **Construction of the College of Human Kinetics (CHK) Student Lounge**
Project Location: **BSU La Trinidad Campus, Km. 6, Balili, La Trinidad, Benguet**
Approved Budget for the Contract (ABC): **PhP2,000,000.00**
Contract Duration: **62 calendar days**
Source of Fund: **2026 IGF (CHK Fund)**

I. **Introduction:**

A. The Benguet State University, through the Bids and Awards Committee (BAC), will undertake *Small Value Procurement* for the above stated project, thus, inviting registered contractors with valid license issued and classified by the Philippine Contractors Accreditation Board (PCAB).

The project aims to provide a comfortable, functional and weather-protected space for students to rest, study and interact. The proposed work shall include the construction of a roofed student lounge with appropriate structural roofing and other necessary improvement in accordance the approved plans and applicable standards.

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

II. **Scope of Work**

Item No.	Scope of Work
I.	*General Requirements.* Permits, Licenses, and Certifications, Safety and Health Program, Temporary Facility, Project billboard/ signboard, and Mobilization-Demobilization- Turnover
II.	*Site Works.* Cleaning-Grubbing-Cleaning-Staking, excavation (embankment & backfill) and Gravel Bedding (w/ base coarse tampering)
III.	*Structural Works.* Reinforced concrete works, Plain/Lean Concrete Works, Roofing Works, and Masonry Works- Rough (load and non-load bearing)
IV.	*Architectural Finishing Works.* Finishing and other specialties
V.	*Plumbing-Sanitary Works & Ancillary Items.* Sanitary and Wastewater Pipe Line
VI.	*Furniture and Fixture.* Others (Fire extinguisher, and Fire Extinguisher Cabinet)

III. **Technical Personnel Required-** Must have at least *three (3) years experience* in construction implementation & supervision of buildings.

a. 1- Site Architect/ Engineer
b. 1- Construction Foreman
c. 1 - Safety Officer (COSH)

IV. **List of Equipment Required**– must be functional, in-good, and safe working condition with updated registration

a. 1 unit Small Excavator, 0.20m³
b. 1 unit Dump Truck (12 yd³)
c. 1 unit One-bagger Concrete Mixer
d. 1 unit Boom Truck 2.5 mt
e. 1 unit Plate Compactor
f. 1 unit Concrete Vibrator
g. 1 unit Bar Bender, mechanical
h. 1 unit Bar Cutter/ speed cutter
i. 1 lot Power Tools
j. 30 sets H-Frames w/ accessories
k. 2 sets Welding Machine, Electric Driven/ DC Output 500 capacity

V. **Eligibility and Technical Requirements** - All eligibility requirements will be used for procurement purposes only.

a. PhilGEPS Organization ID
b. Mayor's Permit
c. PCAB License
d. List of Technical Personnel with their corresponding Curriculum Vitae or equivalent
e. List of Equipment with proof of ownership/lease agreement/affidavit of availability

VI. **Financial Documents**

a. Accomplished and signed Bill of Quantities and Detailed Cost Estimates

VII. **Procurement Activities:**

a. Issuance of bid documents:
Interested bidders/ contractors can get a copy of the plans and designs, bill of quantities of the project starting **November 24, 2026** 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 and technical requirements, and financial documents through *manual submission* on or before **December 1, 2026 at 1:00 PM** at the Procurement Management Office (PMO), 1st Floor, Administration Building, BSU, La Trinidad, Benguet. Quotation submitted after the deadline shall not be accepted by the BAC. The BAC shall record in the minutes of the meeting of the submission and opening of bids, the bidder's name, its representative, and the time the late bid was submitted.

c. Opening of Quotation
December 1, 2026 at 2:00PM at the RDC Conference Hall, 2nd Floor, Administration Building, Benguet State University, Km. 5, La Trinidad, Benguet.

VIII. **Criteria for award**

Lowest Calculated Responsive Quotation (LCRQ).

IX. **For further information**, please refer to:

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

X. You may visit the following websites:
For downloading of Bidding Documents: *https://bsu.edu.ph/request-for-quotation-la-trinidad-campus/*

JANET P. PABLO
Chairperson
Bids and Awards Committee

(Contractor's Letter Head with Logo)

BILL OF QUANTITIES

Project Title: **PROPOSED CHK STUDENT LOUNGE**	Location: **BSU LA TRINIDAD CAMPUS, BENGUET**	Date: **OCTOBER 27, 2026**	
Proponent – End-user: **MARLON S. TABDI**	ABC: **Php 2,000,000.00**	Fund Source: **CHK Fund**	P-Duration: **62 calendar days**

Project Brief: **The project aims to provide a comfortable, functional, and weather-protected space for students to rest, study, and interact. The proposed works shall include the construction of a roofed student lounge with appropriate structural, roofing, and other necessary improvements in accordance with the approved plans and applicable standards.**

ITEM	SCOPE OF WORKS - DESCRIPTION	QTY.	UNIT	REL. WT.	AMOUNT	ITEM COST
I.	**GENERAL REQUIREMENTS**					
a	Permits, Licenses and Certifications	1	lot			
b	Safety and Health Program	1	lot			
c	Temporary Facility	1	lot			
d	Project Billboard	1	lot			
e	Mobilization – Demobilization - Turnover	1	lot			
II.	**SITE WORKS**					
a	Clearing – Grubbing – Cleaning - Staking	1	lot			
b	Excavation – Embankment & (backfill	156.93	cum			
c	Gravel Bedding (w/ base coarse tampering)	3.69	cum			
III.	**STRUCTURAL WORKS**					
a	Reinforced Concrete Works	21.23	cum			
b	Plain/ Lean Concrete Works	2.45	cum			
c	Roofing Works	283.30	sqm			
d	Masonry Works – Rough (load & non-load bearing)	15.72	sqm			
IV.	**ARCHITECTURAL FINISHING WORKS**					
e	Finishing and other specialties	222.56	sqm			
VI.	**PLUMBING – SANITARY WORKS & ANCILLARY ITEMS**					
b	Sanitary and Wastewater Pipeline	67.80	Lm			
X.	**FURNITURES & FIXTURES**					
d	Others	1	set			

BREAKDOWN OF ESTIMATED EXPENDITURES

	Description - Particulars		Relative Weight	Amount	Sub-total
Direct Cost	Materials	General Requirements			
		Supply and Delivery			
		Testing of Materials			
	Labor	Direct Labor			
	Equipment Rental	Rental			
In- Direct Cost	OCM				
	Contractor's Profit				
	Tax				
Total Estimated Project Cost				Php	

MINIMUM TECHNICAL PERSONNEL REQUIRED FOR THE PROJECT			**MINIMUM EQUIPMENT REQUIRED FOR THE PROJECT**					
1	Site Architect OR	Must have atleast three (3) years' experience in construction implementation & supervision of buildings.	1 unit	PC10 Small Excavator, 0.20m³	Must be functional, in-good, safe working condition and with updated registration.	1 lot	Power tools	Must be functional, in- good, safe working condition and with updated registration.
1	Site Engineer (civil)		1 unit	Dump Truck (12 yd3)		-	Scaffoldings w/ clamps	
-	Electrical Engineer		1 unit	One-bagger Concrete		30 sets	H-Frames w/ accessories	
-	Master Electrician		1 unit	Boom Truck 2-5mt				
-	Sanitary Engineer		1 unit	Plate Compactor		2 sets	Welding Machine, Electric Driven/DC Output 500 capacity	
-	Master Plumber		1 unit	Concrete Vibrator				
1	Construction Foreman		1 unit	Bar Bender, mechanical				
1	Safety Officer –		1 unit	Bar Cutter/ speed cutter				

Total Bid Cost (in figures):

Total Bid Cost (in words):

I hereby submit the foregoing; and that I understand the terms, conditions and the content.

Name of Bidder:

Name of Firm:

Date:

Revision Number:	0
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DETAILED COST ESTIMATES

(Contractor's Letter Head with Logo)

Date: **October 27, 2026**
P-Duration: **62 calendar days**

I	**GENERAL REQUIREMENTS**						
a	**Permits, Licenses and Certifications**	1	lot				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	
	Locational/ Zoning Clearance Fee	1	*lot*		*lot*		
	BFP / SEC Fee	1	*lot*		*lot*		
	Building and Ancillary Permits Fee	1	*lot*		*lot*		
4	**Total Direct Cost (1+2+3)**						
5	**OCM** (overhead, contingencies & miscellaneous expense)		**15% of Item 4**				
6	**Contractor's Profit**		**10% of Item 4**				
7	**Tax (vat)**		**5% of Item 4**				
8	**Total In-Direct Cost (5+6+7)**						
9	**Total Unit Cost (4+8)**				**Php**		

b	**Safety and Health Program**	1	lot				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	1	*m-hr*				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	
	PPE						
	Standard Construction Safety Helmet	6	*pc/hr*				
	Standard Construction Safety Shoes	6	*pair/hr*				
	Standard Construction Safety Gloves	6	*pair/hr*				
	Standard Construction High-Visibility Vest	6	*pc/hr*				
	Standard Construction Safety Goggles	6	*pc/hr*				
	Standard Construction Safety Harness and Lanyard	4	*set/hr*				
	Standard Construction Raincoat	6	*set/hr*				
	Standard Construction Safety Rain Boots	6	*pair/hr*				
	Total Material cost						
	ADMINISTRATIVE and ENGINEERING CONTROL						
	Assorted Warning and Safety Signages	1	*lot*		-		
	Construction Safety Net (6m x 15m) 90sqm	1	*pc*		-		
	Canvas Tarpaulin, 8ft x 100m roll	3	*roll*		-		
	Fire extinguisher, 5lbs. (refill)	1	*lot*		-		
	Total Material cost						
	FIRST AID KIT						
	First-aid kit bag (Large 26cmx14cmx14cm)	1	*pc*		*pc*		
	Monitoring logbook for first-aid kit contents	1	*pc*		*pc*		
	Rubbing alcohol, 70%, 500 ml	1	*bottle*		*bottle*		
	Povidone iodine, 10%, 120 ml	1	*bottle*		*bottle*		
	Medical cotton, 100 g	1	*pack*		*pack*		
	Adhesive bandages (Band-Aid type)	1	*box*		*box*		
	Micropore surgical tape, 1" x 10 yd	1	*roll*		*roll*		

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Disposable examination gloves	1	*pair*		*pair*	
First-aid scissors	1	*pc*		*pc*	
Triangular bandage	1	*pc*		*pc*	
Elastic roller bandage, 4" × 5 m	1	*roll*		*roll*	
Ibuprofen, 200 mg	10	*tablet*		*tablet*	
Paracetamol, 500 mg	10	*tablet*		*tablet*	
Loperamide, 2 mg	10	*caps/tabl*		*caps/tabl*	
Cetirizine, 10 mg	10	*tablet*		*tablet*	
Phenylpropanolamine HCl Chlorphenamine Maleate Paracetamol	5	*tablet*		*tablet*	
Dextromethorpan Hbr Phenylephrine HCl Paracetamol	5	*caps/tabl*		*caps/tabl*	
Aluminum Hydroxide Magnesium Hydroxide Simeticone	5	*tablet*		*tablet*	
		Total Material cost			

4	**Total Direct Cost** (1+2+3)				
5	**OCM** (overhead, contingencies & miscellaneous expense)	8% of Item 4			
6	**Contractor's Profit**	10% of Item 4			
7	**Tax** (vat)	5% of Item 4			
8	**Total In-Direct Cost** (5+6+7)				
9	**Total Unit Cost** (4+8)		Php		

c	**Temporary Facility**	1	lot				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	2	*m-hr*				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	
	Assorted Construction Materials	1	*lot*		/lot		
	Assorted CWN	2	*kg*		/kg		
4	**Total Direct Cost** (1+2+3)						
5	**OCM** (overhead, contingencies & miscellaneous expense)	15% of Item 4					
6	**Contractor's Profit**	10% of Item 4					
7	**Tax** (vat)	5% of Item 4					
8	**Total In-Direct Cost** (5+6+7)						
9	**Total Unit Cost** (4+8)		Php				

d	**Project Billboard**	1	lot				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	1	*m-hr*				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	
	Printed Tarpaulin (8ft x 8ft)	64	*sq.ft.*		/sq.ft.		
	Ordinary Plywood	2	*pcs*		/pc		
	Good lumber	40.5	*bd.ft.*		/bd.ft.		
	Assorted CWN	1	*kg*		/kg		

DETAILED COST ESTIMATES

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4	Total Direct Cost (1+2+3)				
5	OCM (overhead, contingencies & miscellaneous expense)	15% of item 4			
6	Contractor's Profit	10% of Item 4			
7	Tax (vat)	5% of item 4			
8	Total In-Direct Cost (5+6+7)				
9	Total Unit Cost (4+8)		Php		

e	Mobilization – Demobilization - Turnover	1	lot				
1	Labor	Qty	Unit	Rate	Hour	Amount	
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
2	Equipment (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Cargo/Service Truck (2-5mt)	1	/hr				
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount	
	-	-	-	-	-		
4	Total Direct Cost (1+2+3)						
5	OCM (overhead, contingencies & miscellaneous expense)		0% of Item 4				
6	Contractor's Profit		0% of Item 4				
7	Tax (vat)		5% of Item 4				
8	Total In-Direct Cost (5+6+7)						
9	Total Unit Cost (4+8)				Php		

f	Engineering Design Validation		lot	

II.	SITE WORKS						
a	Clearing – Grubbing – Clearing – Staking	1	lot				
1	Labor	Qty	Unit	Rate	Hour	Amount	
	*Demolition of existing fence column and wall						
	Leadman	1	m-hr				
	Skilled	1	m-hr				
	Un-skilled	3	m-hr				
	*Site Clearing and Disposal of Removed Materials and Construction Debris						
	Leadman	1	m-hr				
	Skilled	1	m-hr				
	Un-skilled	3	m-hr				
2	Equipment (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Power tools (10% of Labor Cost)	-	-	-	-		
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount	
	-	-	-	-	-		
4	Total Direct Cost (1+2+3)						
5	OCM (overhead, contingencies & miscellaneous expense)		15% of Item 4				
6	Contractor's Profit		10% of Item 4				
7	Tax (vat)		5% of Item 4				
8	Total In-Direct Cost (5+6+7)						
9	Total Unit Cost (4+8)				Php		

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a	**Excavation – Embankment & Backfill**	**156.93**	**cum**				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Structure Foundation	152.10cum					
	Excavation of foundation and embankment						
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	2	*m-hr*				
	Wall Footing	4.83cum					
	Excavation of wall footing and embankment						
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	2	*m-hr*				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Minor tools (10% of Labor Cost)	-	-	-	-	-	
	Plate compactor (0.50hr / 1.20m²)	1	*unit*				
	Small Excavator, 0.20m³	1	*unit*				
	Dump Truck (12 yd3)	1	*unit*				
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	

4	**Total Direct Cost (1+2+3)**				
5	**OCM** (overhead, contingencies & miscellaneous expense)	**15% of item 4**			
6	**Contractor's Profit**	**10% of item 4**			
7	**Tax (vat)**	**5% of item 4**			
8	**Total In-Direct Cost (5+6+7)**				
9	**Total Unit Cost (4+8)**		**Php**		

c	**Gravel Bedding (w/ base coarse tempering)**	**3.68**	**cum**				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Footing	3.08cum					
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	2	*m-hr*				
	Wall Footing	0.60cum					
	Leadman	1	*m-hr*				
	Skilled	1	*m-hr*				
	Un-skilled	2	*m-hr*				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Plate compactor (0.50hr / 1.20m²)	1	*unit*				
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	
	Gravel Bedding - G1	4.05	cum		/cum		

4	**Total Direct Cost (1+2+3)**				
5	**OCM** (overhead, contingencies & miscellaneous expense)	**15% of item 4**			
6	**Contractor's Profit**	**10% of item 4**			
7	**Tax (vat)**	**5% of item 4**			
8	**Total In-Direct Cost (5+6+7)**				
9	**Total Unit Cost (4+8)**		**Php**		

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III.	STRUCTURAL WORKS						
a	Reinforced Concrete Works	21.23	cum				
1	Labor	Qty	Unit	Rate	Hour	Amount	
FOOTING AND PEDESTAL COLUMN: F-1 (16.00cum) and C-1 (3.40cum)		19.40cum					
	*Steel works						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
	*Formworks						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
	*Concrete works						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
	Wall Footing: WF-1 and WF-2	1.83cum					
	*Steel works						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
	*Formworks						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
	*Concrete works						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	3	m-hr				
2	Equipment (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Bar cutter	1	unit				
	Bar bender	1	unit				
	Concrete Vibrator	1	unit				
	One Bagger Mixer	1	unit				
	Minor tools (10% of Labor Cost)	-	-	-	-	-	
3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount	
	Footing and Pedestal Column: F-1 and C-1	19.40cum					
	*Steel works						
	10mm ø reinforcing steel bar (9m) grade 40	296	kg		/kg		
	16mm ø reinforcing steel bar (9m) grade 40	1,137.60	kg		/kg		
	Gauge #16 G.I. tie wire	25	kg		/kg		
	6" Ø GI PIPE SCHEDULE 40 (6m) seamless	5	pcs		/pc		
	STIFFENER PLATE 16mm THK	10	sets		/set		
	Pedestal BASE PLATE 300mmX300mm 20mm THK	10	pcs		/pc		
	Truss BASE PLATE 200mmX300mm 20mm THK	10	pcs		/pc		
	ANCHOR BOLTS: L- TYPE; d: M16 (16mm) w/ accessories	40	pcs		/pc		
	CEMENT GROUT, heavy duty, non shrink 25kg	2	pcs		/pc		
	16mm Ø plain steel bar, 6m	8	pcs		/pc		
	16mm Ø standard turnbuckle	8	pcs		/pc		
	Turnbuckle: Threaded ends, connection fittings and accessories	8	lot		/set		
		Total Material cost					
	Consumables (5% of material cost)	-	-	-	-		

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*Formworks (6 working area)						
19mm x 1.2m x 2.4m Phenolic Board	18	pc		/pc		
2" x 4" x 12' (8BF)Good Lumber	384	BF		/BF		
1" x 6" x 12' (6BF)Good Lumber	600	BF		/BF		
	Total Material cost					
Consumables (5% of material cost)	-	-	-	-		
*Concrete works (Class A, 1:2:4, 3500psi) and plaster works 12mm thk (1:3)						
Type I Cement 40kg	170	bag		bag		
Coarse Sand	9.5	cum		cum		
Fine Sand	0.3	cum		cum		
3/4" / 20mm gravel	9.5	cum		cum		
	Total Material cost					
Wall Footing: WF-1 and WF-2	1.83cum					
*Steel works						
10mm ø reinforcing steel bar (6m) grade 40	18.48	kg		/kg		
12mm ø reinforcing steel bar (6m) grade 40	74.62	kg		/kg		
Gauge #15 G.I. tie wire	1.00	kg		/kg		
	Total Material cost					
Consumables (5% of material cost)	-	-	-	-		
*Formworks (4 span working areas)						
19mm x 1.2m x 2.4m Phenolic Board	4	pc		/pc		
2" x 4" x 12' (8BF)Good Lumber	96	BF		/BF		
1" x 6" x 12' (6BF)Good Lumber	48	BF		/BF		
	Total Material cost					
Consumables (5% of material cost)	-	-	-	-		
*Concrete works (Class A, 1:2:4, 3500psi)						
Type I Cement	14	bag		bag		
Coarse Sand	0.71	cum		cum		
3/4" / 20mm gravel	1.33	cum		cum		
	Total Material cost					
4 Total Direct Cost (1+2+3)						
5 OCM (overhead, contingencies & miscellaneous expense)	15% of item 4					
6 Contractor's Profit	10% of item 4					
7 Tax (vat)	5% of item 4					
8 Total In-Direct Cost (5+6+7)						
9 Total Unit Cost (4+8)					Php	

b	**Plain/ Lean Concrete Works**	**2.45**	**cum**				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Footing	2.00cum					
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	2	m-hr				
	Wall Footing	0.45cum					
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	2	m-hr				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	One Bagger Mixer	1	unit				
	Minor tools (10% of Labor Cost)	-	-	-	-		

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3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount
	Footing	2.00cum				
	*PCC (Class B, 1:2 1/2: 5, 3000psi)					
	Type I Cement	15	bag		bag	
	Coarse Sand	1	cum		cum	
	3/4" / 20mm gravel	2.00	cum		cum	
		Total Material cost				
	Wall Footing	0.45cum				
	*PCC (Class B, 1:2 1/2: 5, 3000psi)					
	Type I Cement	4	bag		bag	
	Coarse Sand	0.23	cum		cum	
	3/4" / 20mm gravel	0.45	cum		cum	
		Total Material cost				
4	**Total Direct Cost (1+2+3)**					
5	**OCM** (overhead, contingencies & miscellaneous expenses)	15% of Item 4				
6	**Contractor's Profit**	10% of Item 4				
7	**Tax (vat)**	5% of Item 4				
8	**Total In-Direct Cost (5+6+7)**					
9	**Total Unit Cost (4+8)**				Php	

c	Roofing Works	283.39	sqm			
1	Labor	Qty	Unit	Rate	Hour	Amount
	*Installation of H-Frame					
	Leadman	1	*m-hr*			
	Skilled	1	*m-hr*			
	Un-skilled	3	*m-hr*			
	*Fabrication and Installation of Roof Trusses					
	Leadman	1	*m-hr*			
	Skilled	2	*m-hr*			
	Un-skilled	3	*m-hr*			
	*Installation of Roof					
	Leadman	1	*m-hr*			
	Skilled	2	*m-hr*			
	Un-skilled	3	*m-hr*			
2	Equipment (ACEL Rate)	Qty	Unit	Rate	Hour	Amount
	Power tools (15% of Labor Cost)	-	-			
	Minor tools (10% of Labor Cost)	-	-			
	H-Frame 1.7m x 1.2m, set	30	*sets*			
	Welding Machine, Electric Driven/DC Output 300 capacity	2	*units*			
	Boom Truck 2-5mt	1	*unit*			

3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount
	Fabrication and Installation of Roof Trusses					
	*Steel works					
	2"x 2" ANGLE BAR 6mm THK (6m)	2,547.90	kg		/kg	
	10mm THK GUSSET PLATES	241	kg		/kg	
	2" x 4", 3mm THK rectangular tubular steel (6m)	198	kg		/kg	
	16mm Ø plain steel bar, 6m	16	pcs		/pc	
	16mm Ø standard turnbuckle	16	pcs		/pc	
	Turnbuckle: Threaded ends, connection fittings and accessories	16	lot		/lot	
		Total Material cost				
	Consumables (5% of material cost)	-	-	-	-	

CONTRACTOR:	COMPANY:	DATE:

DETAILED COST ESTIMATES

(Contractor's Letter Head with Logo)

Date: **October 27, 2020**

P-Duration:
62 calendar days

Installation of Roof						
*C-purlins, Segrod and fascia board						
C-purlin 2" x 6" PROFILE, 1.0mm THK (6m)	104	pcs		/pc		
ANGLE CLEAT (BRACKET): 3" x 3" ANGLE BAR 6mm THK	179.04	kg		/kg		
SAG ROD: 12mm Ø (6m)	10	pc		/pc		
10" x 8', 12mm THK FIBER CEMENT FASCIA BOARD	36	pc		/pc		
	Total Material cost					
Consumables (5% of material cost)	-	-	-			
*Roof Insulation						
PE Foam Insulation, Double-Sided Foil, 5mm thick, 1m x 50m	7	rolls		/roll		
HEXAGONAL WIRE MESH 1" OPENING, WIRE GAUGE 19 (1.2mm Ø)	10	rolls		/roll		
	Total Material cost					
Consumables (5% of material cost)	-	-	-	-		
*Roofing Sheets and Associated Accessories						
BARCELONA RIB TYPE (5 RIB) ROOFING PROFILE, LONGSPAN METAL COLORED ROOFING 5.5 meters (1m COVERAGE) 0.50mm THK (DOS AGUAS)	253	Lm		/Lm		
BARCELONA RIB TYPE (5 RIB) ROOFING PROFILE, LONGSPAN METAL COLORED ROOFING 2.3 meters (1m COVERAGE) 0.50mm THK (SKILLION)	37.6	Lm		/Lm		
RIDGE CAP: 2.4m; 2.2m effective length 0.5m thk	11	pcs		/pc		
BOX GUTTER w/ SCREEN 2.4m; 2.2m effective length 0.5m thk	32	pcs		/pc		
BOX TYPE END FLASHING (dos aguas) 2.4m; 2.2m effective length 0.5m thk	11	pcs		/pc		
BOX TYPE END FLASHING (skillion) 2.4m; 2.2m effective length 0.5m thk	8	pcs		/pc		
	Total Material cost					
Consumables (5% of material cost)	-	-	-	-		

4	**Total Direct Cost (1+2+3)**				
5	**OCM (overhead, contingencies & miscellaneous expense)**	**15% of item 4**			
6	**Contractor's Profit**	**10% of item 4**			
7	**Tax (vat)**	**5% of item 4**			
8	**Total In-Direct Cost (5+6+7)**				
9	**Total Unit Cost (4+8)**		**Php**		

CONTRACTOR:	COMPANY:	DATE:

DETAILED COST ESTIMATES

(Contractor's Letter Head with Logo)

Date: October 27, 2026

P-Duration: 62 calendar days

d	Masonry Works – Rough (load & non-load bearing)	15.72	sqm			
1	Labor	Qty	Unit	Rate	Hour	Amount
	CHB laying wall footing (elevated ground)	13.12sqm				
	Leadman	1	m-hr			
	Skilled	2	m-hr			
	Un-skilled	2	m-hr			
2	Equipment (ACEL Rate)	Qty	Unit	Rate	Hour	Amount
	Minor tools (10% of Labor Cost)	-	-	-	-	
3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount
	CHB laying wall footing (elevated ground)	15.72sqm				
	*CHB Laying Mortar (Ratio 1:3)					
	Type I Cement	3	bag		bag	
	Coarse Sand	0.20	cum		cum	
	*Concrete Core Filling (Class A, 1:2:4, 3500psi)					
	Type I Cement	7	bag		bag	
	Coarse Sand	0.38	cum		cum	
	3/4" / 20mm gravel	0.76	cum		cum	
	*Plaster Works 12mm thk (Ratio 1:3) 10.46sqm					
	Type I Cement	2	bag		bag	
	Coarse Sand	0.13	cum		cum	
	*CHB laying wall footing					
	6"/150mm thk chb	201	pcs		/pc	
	10mm ø reinforcing steel bar (6m) grade 40	55.45	kg		/kg	
	Gauge #16 G.I. tie wire	0.6	kg		/kg	
		Total Material cost				
4	Total Direct Cost (1+2+3)					
5	OCM (overhead, contingencies & miscellaneous expense)		15% of Item 4			
6	Contractor's Profit		10% of Item 4			
7	Tax (vat)		5% of Item 4			
8	Total In-Direct Cost (5+6+7)					
9	Total Unit Cost (4+8)				Php	

IV.	ARCHITECTURAL FINISHING WORKS			
a	Doors		sqm	
b	Windows		sqm	
c	Ceiling		sqm	
d	Partitions		sqm	

e	Finishing and other specialties	222.36	sqm			
1	Labor	Qty	Unit	Rate	Hour	Amount
	*Paint Finish P-01 (concrete column pedestal)					
	Leadman	1	m-hr			
	Skilled	2	m-hr			
	Un-skilled	2	m-hr			
	*Paint Finish P-02 (steel structures)					
	Leadman	1	m-hr			
	Skilled	2	m-hr			
	Un-skilled	2	m-hr			
2	Equipment (ACEL Rate)	Qty	Unit	Rate	Hour	Amount
	Minor tools (10% of Labor Cost)	-	-	-	-	

CONTRACTOR:	COMPANY:	DATE:

DETAILED COST ESTIMATES

(Contractor's Letter Head with Logo)

Date: **October 27, 2026**
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3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount	
	Paint Finish P-01 (concrete column pedestal)	16.7 sqm					
	BOYSEN PERMACOAT FLAT LATEX B-761 (YELLOW WARE)	4	L		/L		
	BOYSEN PERMACOAT FLAT LATEX B-701 (WHITE)	6	L		/L		
	BOYSEN ACRYTEX CAST B-1711	3	L		/L		
	BOYSEN ACRYTEX REDUCER B-1750	1	L		/L		
	BOYSEN MASONRY NEUTRALIZER B-44	1	L		/L		
		Total Material cost					
	Consumables (10% of material cost)	-	-	-	-		
	Paint Finish P-02 (steel structures)	205.66 sqm					
	BOYSEN QUICK DRYING ENAMEL, QDE B-690 (BLACK)	55	L		/L		
	BOYSEN RED OXIDE METAL PRIMER B-310	33	L		/L		
	BOYSEN PAINT THINNER B-0340	22	L		/L		
		Total Material cost					
	Consumables (10% of material cost)	-	-	-	-		

4	**Total Direct Cost (1+2+3)**				
5	**OCM (overhead, contingencies & miscellaneous expense)**	**15% of Item 4**			
6	**Contractor's Profit**	**10% of Item 4**			
7	**Tax (vat)**	**5% of Item 4**			
8	**Total In-Direct Cost (5+6+7)**				
9	**Total Unit Cost (4+8)**		**Php**		

V.	ELECTRICAL WORKS AND ANCILLARY ITEMS			
a	Rough-in: Boxes and Conduits		sqm	
b	Electrical Wires & Wiring Devices (switches)		sqm	
c	Electrical Fixtures		sqm	
d	Panel Boards/ Panel Boxes & Accessories		sqm	
e	Service Entrance – metering system		sqm	
f	Transformers, fittings and accessories		sqm	
g	Generator Set		sqm	
h	Other Electrical Appliance – water heater, exhaust fan & others		sqm	

VI.	PLUMBING – SANITARY WORKS & ANCILLARY ITEMS			
a	Water Supply & Distribution Pipeline		Lm	

b	**Sanitary and Wastewater Pipeline**	**67.80**	**Lm**				
1	Labor	Qty	Unit	Rate	Hour	Amount	
	*Downspout						
	Leadman	1	m-hr				
	Skilled	2	m-hr				
	Un-skilled	2	m-hr				
2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Power tools (15% of Labor Cost)	-	-	-	-		
	Minor tools (10% of Labor Cost)	-	-	-	-		

CONTRACTOR:	COMPANY:	DATE:

DETAILED COST ESTIMATES

(Contractor's Letter Head with Logo)

Date: **October 27, 2026**

P-Duration: **62 calendar days**

3	Materials & Description	Qty	Unit	Rate	Unit/hr	Amount
	*Downspout					
	3"ø UPVC Pipe, gray , S-1000 (3m)	*28*	*pcs*		*/pc*	
	Assorted fittings	*1*	*/lot*		*lot*	
			Total Material cost			
	Consumables (5% of material cost)	*-*	*-*	*-*	*-*	
4	**Total Direct Cost (1+2+3)**					
5	**OCM (overhead, contingencies & miscellaneous expense)**		**15% of item 4**			
6	**Contractor's Profit**		**10% of item 4**			
7	**Tax (vat)**		**5% of item 4**			
8	**Total In-Direct Cost (5+6+7)**					
9	**Total Unit Cost (4+8)**				**Php**	

e	Plumbing Fixtures and accessories		sets	

VII.	MECHANICAL & FIRE PROTECTION WORKS			
a	Fire Sprinkler Pipeline, Fittings & Accessories		sqm	
b	Drainage and Catch Basins		sqm	
c	Sewer Treatment Facility – Septic Vault		sqm	
d	Rainwater Harvesting Facility – Cistern		sqm	
e	Overhead Tank and Tower		sqm	
f	Landscape		sqm	
g	Building and Directional Signages		sqm	
h	Materials Recovery Facility		sqm	

VIII.	ELECTRONIC WORKS & ANCILLARY ITEMS			
a	Cables, conduits and Trays		sqm	
b	Public Address		sqm	
c	Smart Hardware, electronic fixtures and monitoring		sqm	

IX.	SITE DEVELOPMENT & OTHER ANCILLARY ITEMS			
a	Parking Pavement, Driveways, Walkways		sqm	
b	Drainage and Catch Basins		Lm	
c	Sewer Treatment Facility – Septic Vault		sqm	
d	Rainwater Harvesting Facility – Cistern		sqm	
e	Overhead Tank and Tower		sqm	
f	Landscape		sqm	
g	Building and Directional Signages		sqm	
h	Materials Recovery Facility		sqm	
i	Generation House/ Cage		sqm	

X.	FURNITURES & FIXTURES			
a	Tables		lot	
b	Chairs		lot	
c	Cabinets		lot	

d	Others	1.00	set				
1	**Labor**	Qty	Unit	Rate	Hour	Amount	
	Installation of Fire Extinguisher and Accessories						
	Leadman	0	m-hr				
	Skilled	1	m-hr				
	Un-skilled	0	m-hr				

CONTRACTOR:	COMPANY:	DATE:

DETAILED COST ESTIMATES

(Contractor's Letter Head with Logo)

Date: **October 27, 2026**
P-Duration: **62 calendar days**

2	**Equipment** (ACEL Rate)	Qty	Unit	Rate	Hour	Amount	
	Power tools (15% of Labor Cost)	-	-	-	-		
	Minor tools (10% of Labor Cost)	-	-	-	-		
3	**Materials & Description**	Qty	Unit	Rate	Unit/hr	Amount	
	Installation of Fire Extinguisher and Accessories						
	10 lbs Refillable ABC dry chemical fire extinguisher, complete with pressure gauge, safety pin, hose/nozzle, and wall-mounting bracket.	1	pc		lpc		
	Fire Extinguisher Cabinet for 10lbs	1	pc		pc		
			Total Material cost				
	Consumables (5% of material cost)	-	-	-	-		
4	**Total Direct Cost (1+2+3)**						
5	**OCM** (overhead, contingencies & miscellaneous expense)			15% of Item 4			
6	**Contractor's Profit**			10% of Item 4			
7	**Tax (vat)**			5% of Item 4			
8	**Total In-Direct Cost (5+6+7)**						
9	**Total Unit Cost (4+8)**				Php		

TOTAL:	Php	
TOTAL PROJECT COST:	**Php**	

CONTRACTOR:	COMPANY:	DATE:



A 1 01 PROPOSED PERSPECTIVE
SCALE NTS



A 2 01 VICINITY MAP
SCALE SEE IMAGE

SITE PICTURES

PROPOSED CHK
STUDENT LOUNGE







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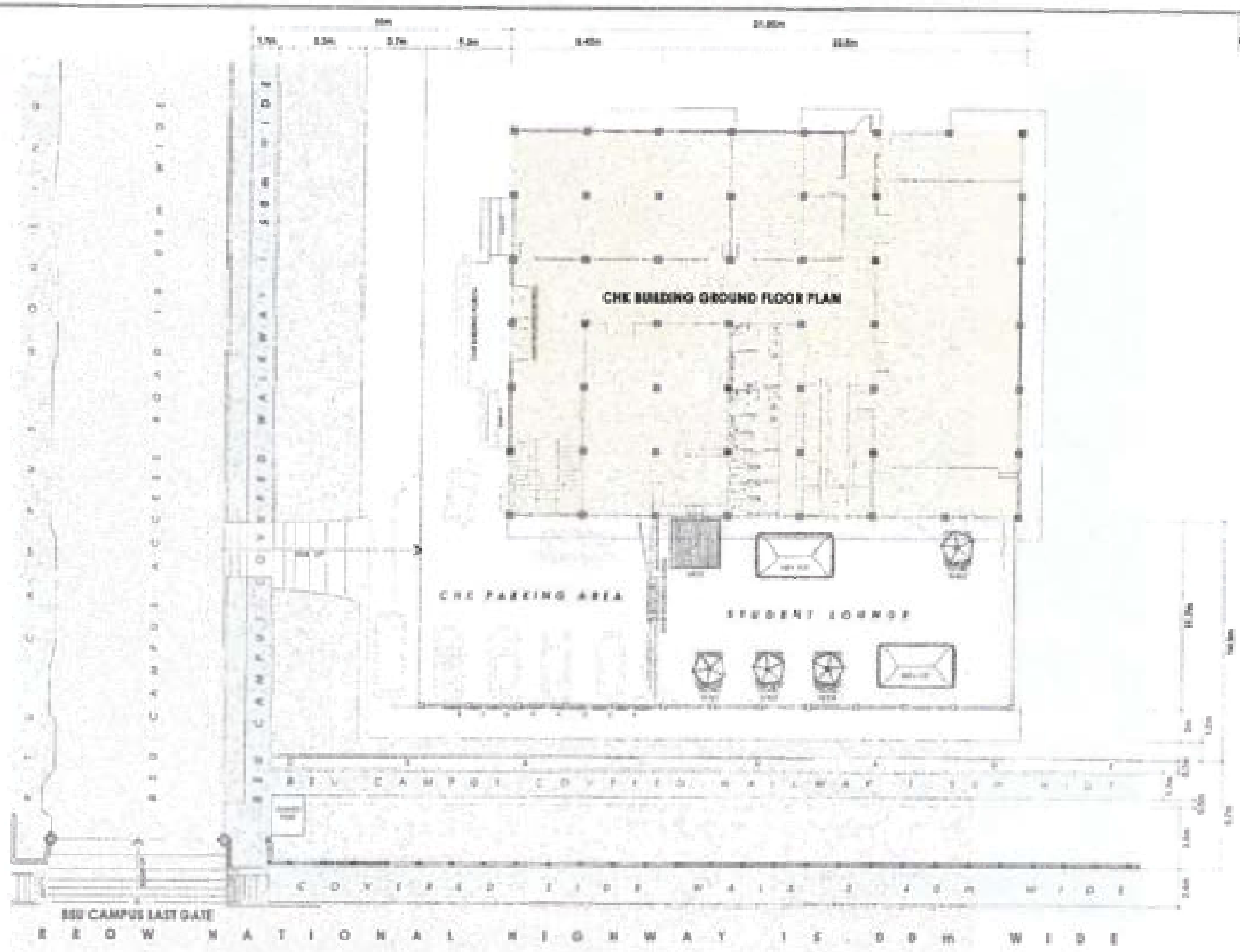
ARCHITECTURAL
SITE DEVELOPMENT and OTHERS
STRUCTURAL
ELECTRICAL
PLUMBING and SANITARY
FIRE PROTECTION
FURNITURES and FIXTURES

Republic of the Philippines
Department of Public Works and Highways
OFFICE OF THE MUNICIPAL BUILDING OFFICIAL
La Trinidad, Benguet, 2601

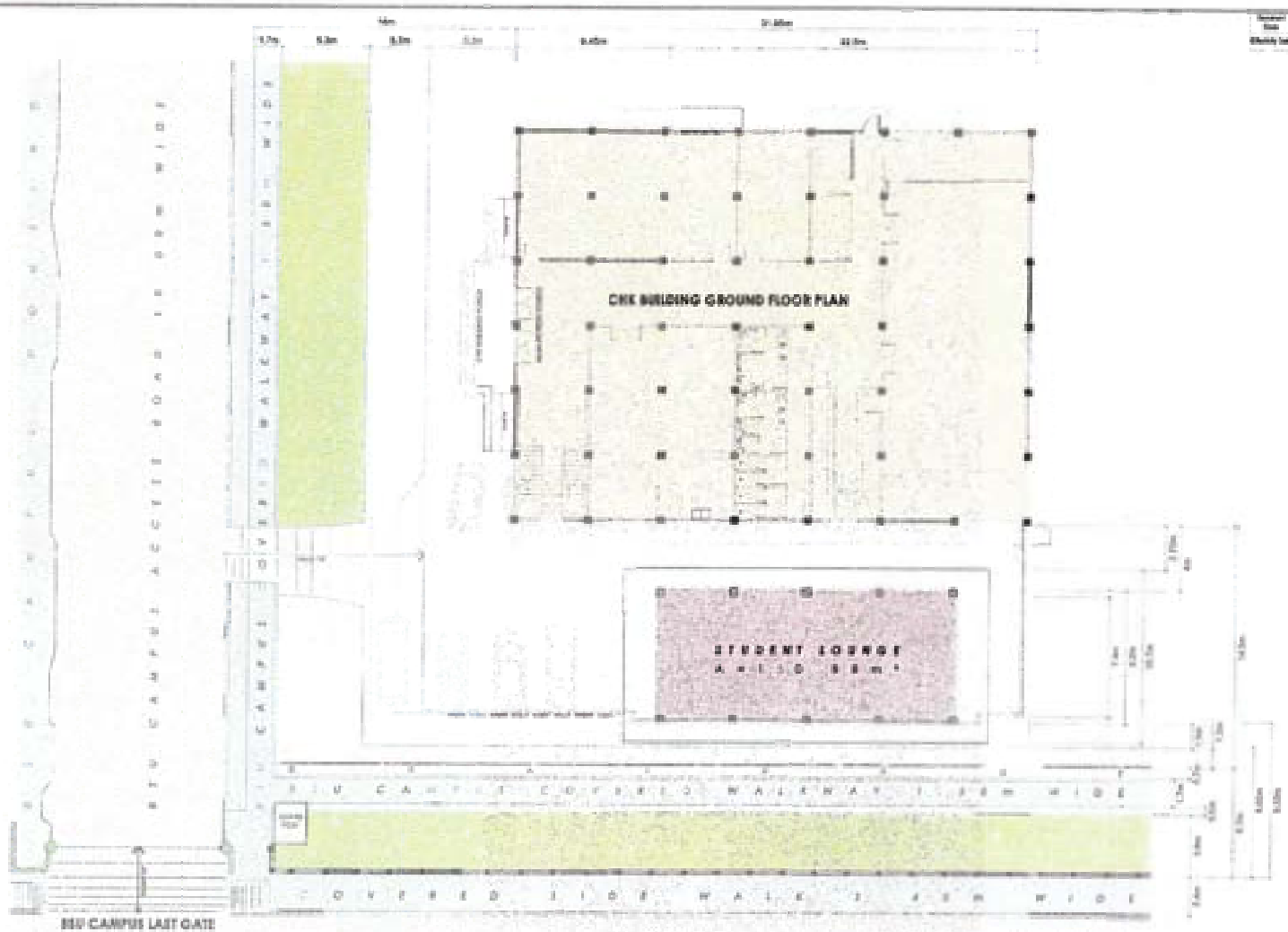
ARCHITECTURAL
ELECTRICAL
and SANITARY
PROTECTION

AR. HAZELINE N. TIBANGAY, CMO PRC REG. NO. 0[illegible]-NOV 18, 2017 PTR NO. _____ LA TRINIDAD _____		OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: [illegible] TABOI ENG-MISSU/ DCAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN KIMMUD VICE PRESIDENT	APPROVED: KENNETH A. P. LARUAN PIET	SHEET CONTENT: -PERSPECTIVE -VICINITY MAP -SITE PICTURES -SIGNATURES	SHEET: A 01 A 16



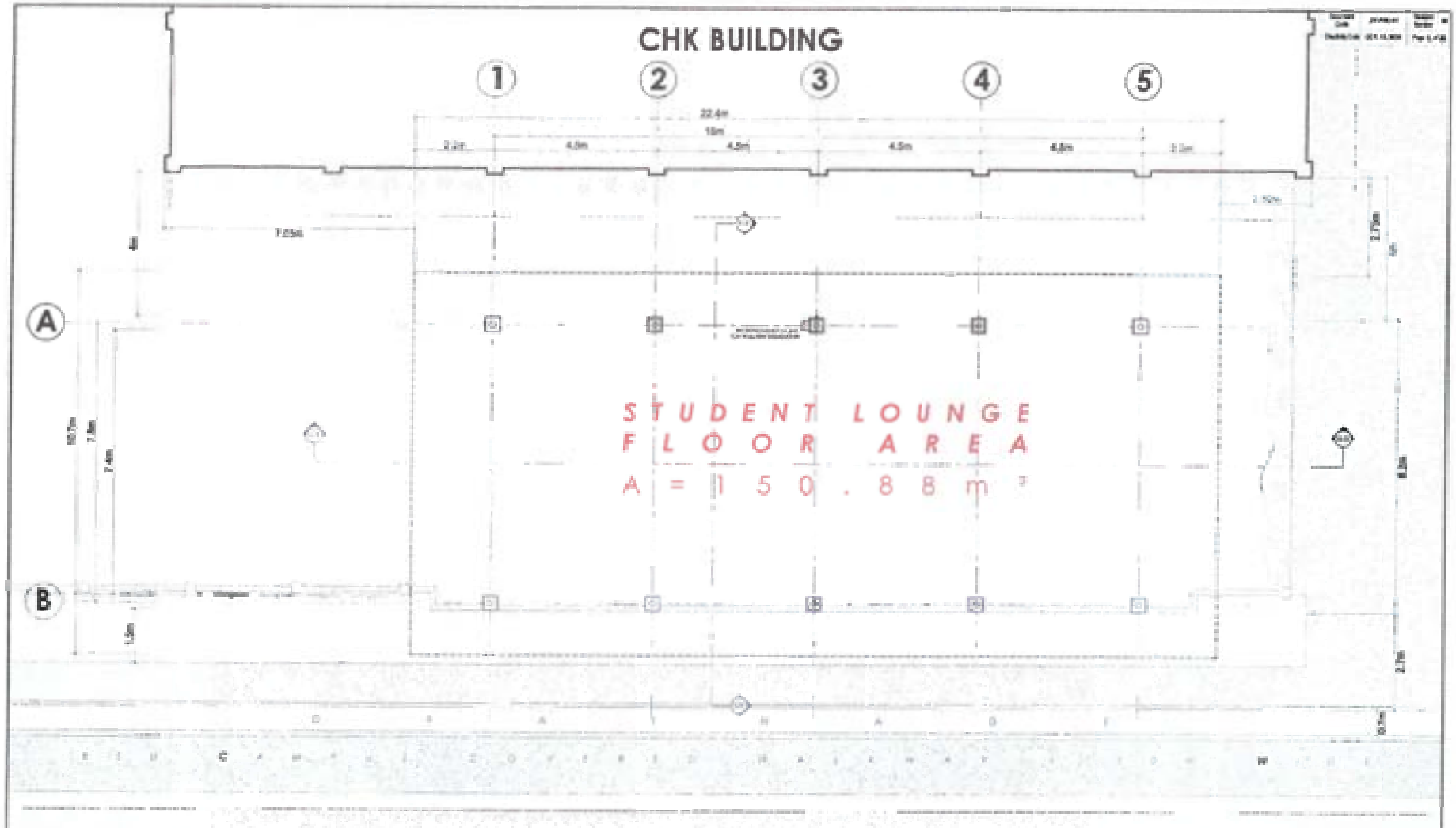
A 1 02 CHK STUDENT LOUNGE AS-FOUND SITE PLAN
SCALE 1:250 m

ARL HAZELINEN TIBANGAY, ARP PRC REG. NO. 0000000 - NOV 16, 2007 PTR NO. ____ LA TRINIDAD ____	FEB	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABOI END-USER	RECOMMENDING APPROVAL: RICHARD MANGBAAN KIMMUD VICE PRESIDENT	APPROVED: KENNETH ALIP LANUAN PRESIDENT	SHEET CONTENT: CHK STUDENT LOUNGE AS-FOUND SITE PLAN	SHEET: A 02 A 16



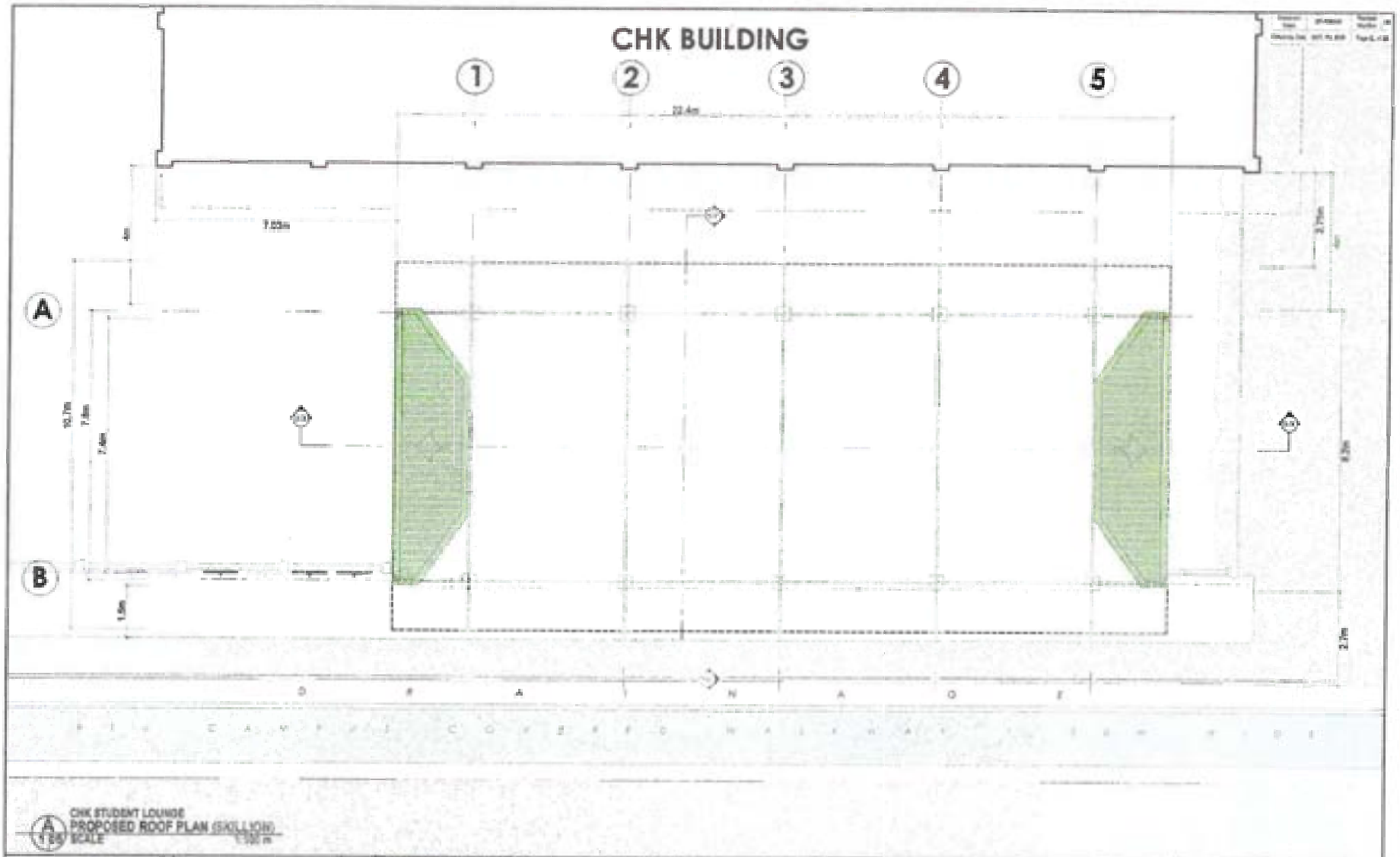
A 1.03 CHK STUDENT LOUNGE PROPOSED SITE PLAN
SCALE 1:250 m

AR. HAZELINE K. TIBANGAY, ASP PROFESSIONAL ARCHITECT PTR NO. ____ LA TRINIDAD ____	ENGINEER	DAMSIN PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABOI DEAN	RECOMMENDING APPROVAL: RICHARD HANSDRAN KIMUD SECTOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: CHK STUDENT LOUNGE PROPOSED FLOOR PLAN	SHEET: A 03 A 16



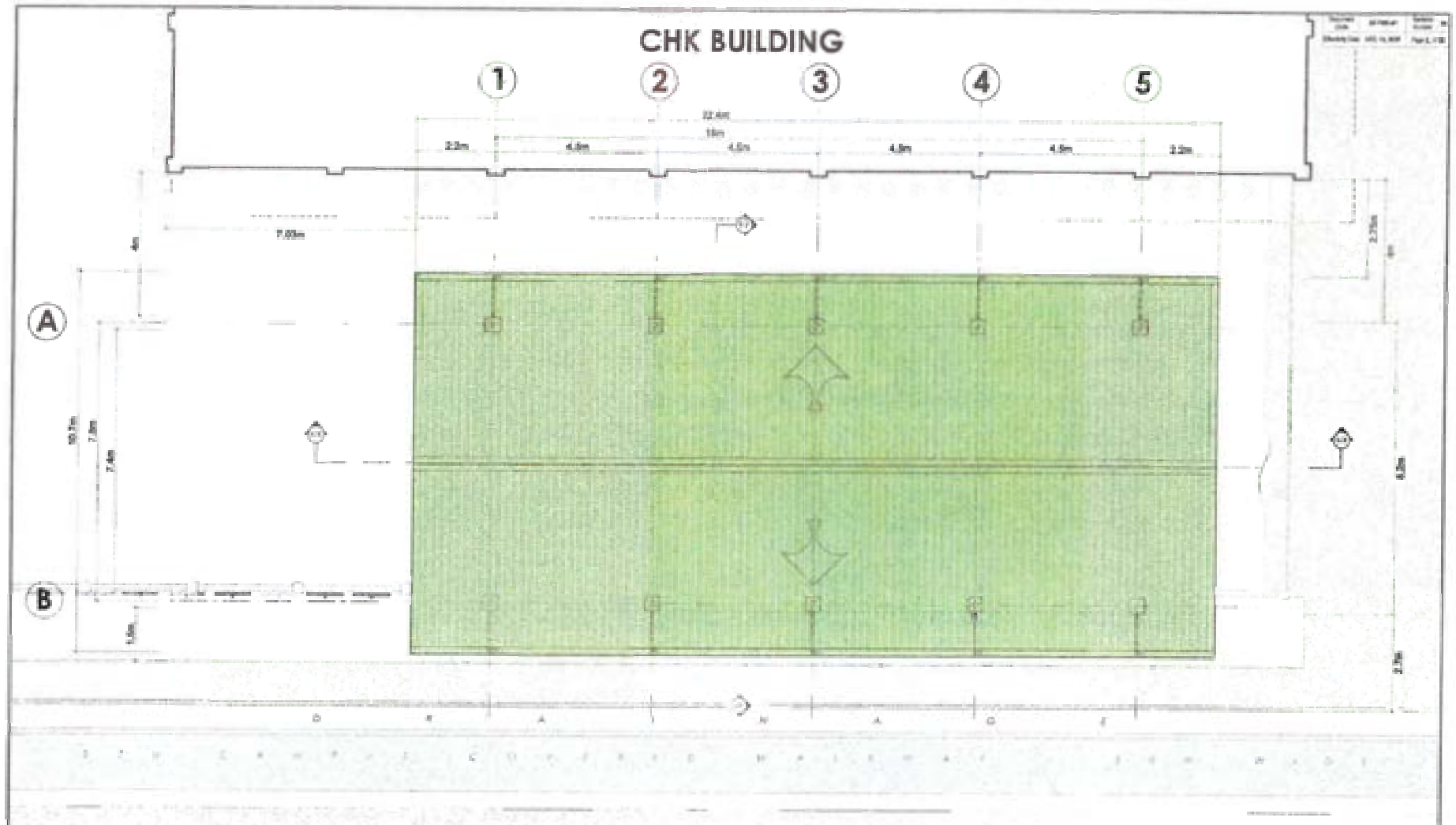
CHK STUDENT LOUNGE
PROPOSED FLOOR PLAN
SCALE 1:100 m

AR. HAZELINE VIBANGAY, MAP PRC REG. NO. 0087 - NOV. 16, 2017 PTR NO. _____ LA TRINIDAD _____ ARCHITECT	ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABDI AVP - USER	RECOMMENDING APPROVAL: RICHARD HANGDAAN KINNUD SECTOR PRESIDENT	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: CHK STUDENT LOUNGE PROPOSED FLOOR PLAN	SHEET: A 04 A 16



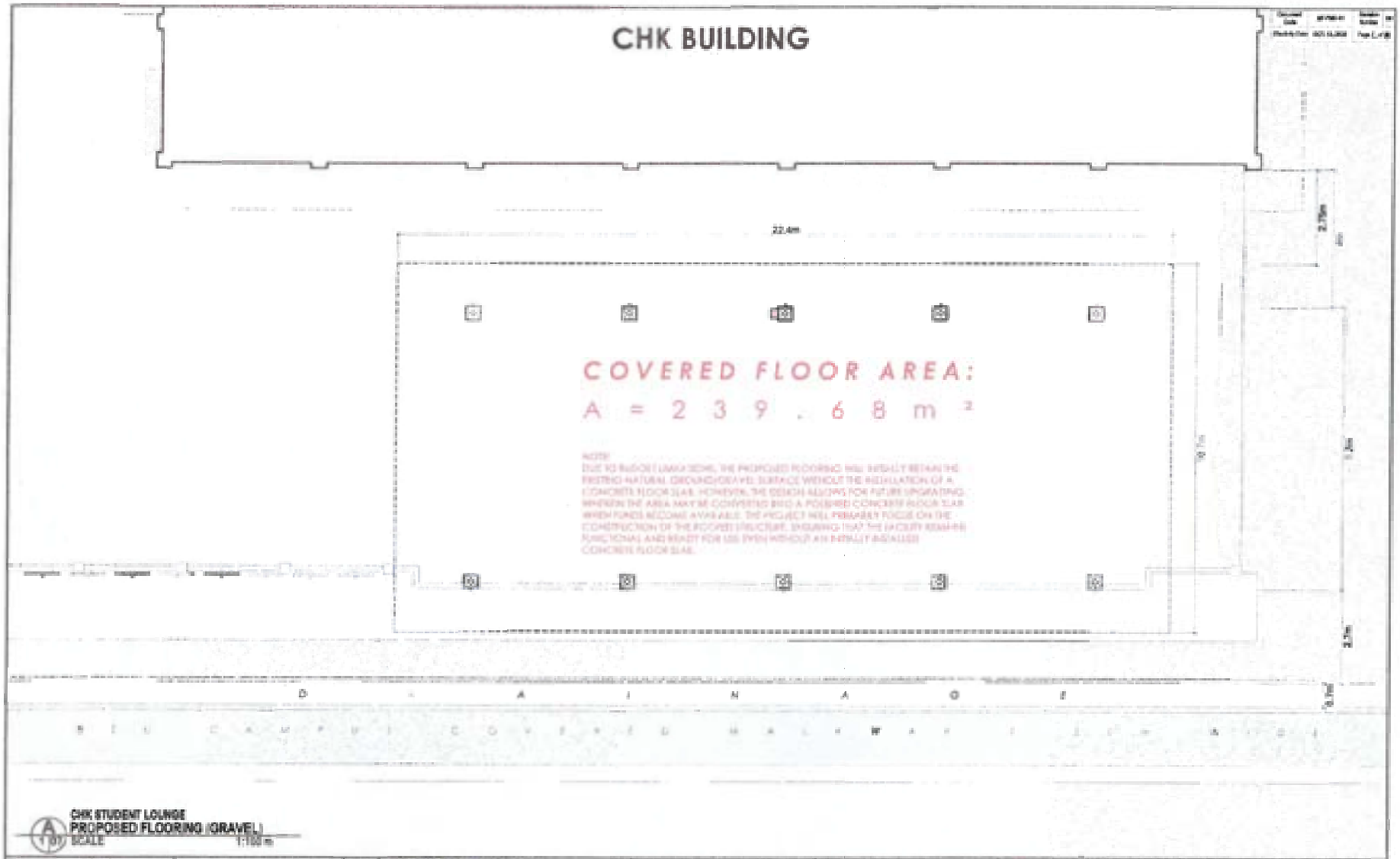
CHK STUDENT LOUNGE
PROPOSED ROOF PLAN (SKILLION)
SCALE 1:100 m

ARL HAZELINE B. TIBAMGAY, ARCHITECT	DRAFTER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABOI, END-USER / DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN KIWAUD, SECTOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN, PRESIDENT	SHEET CONTENT: CHK STUDENT LOUNGE PROPOSED ROOF PLAN (SKILLION)	SHEET: A 05 / A 16



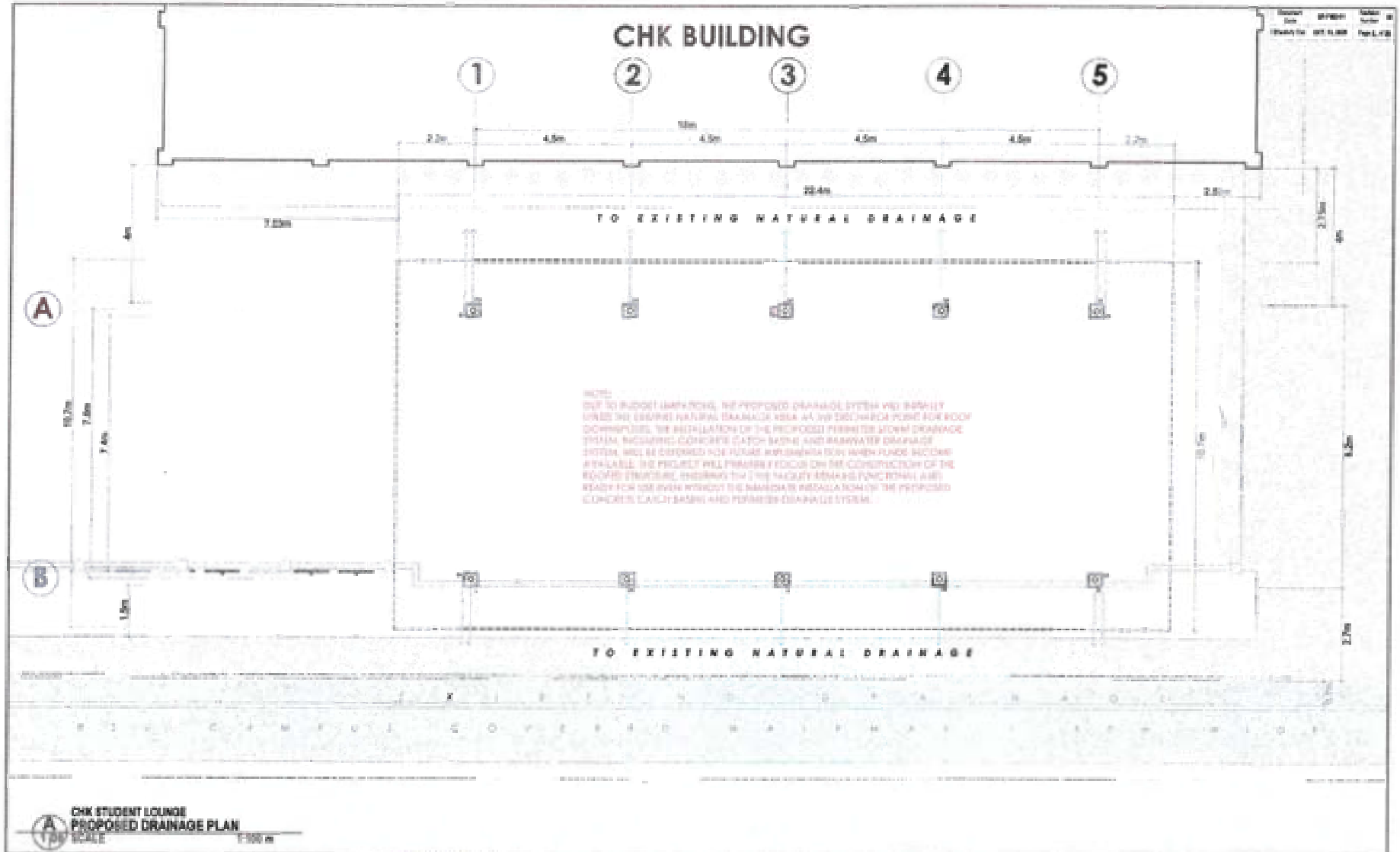
CHK STUDENT LOUNGE
A PROPOSED ROOF PLAN (DOS AGUAS)
1:100 SCALE 1:100 m

AR. HAZELINE N. TIRANDAY, ARB PRC REG. NO. [illegible] - NOV. 10, 2007 PTR NO. _____ LA TRINIDAD - _____	ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: [illegible] C. TARDI END-USER / DEAN	RECOMMENDING APPROVAL: RICHARD NANGDAAN KIWAUD VICE	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: CHK STUDENT LOUNGE PROPOSED ROOF PLAN (DOS AGUAS)	SHEET: A 06 A 16



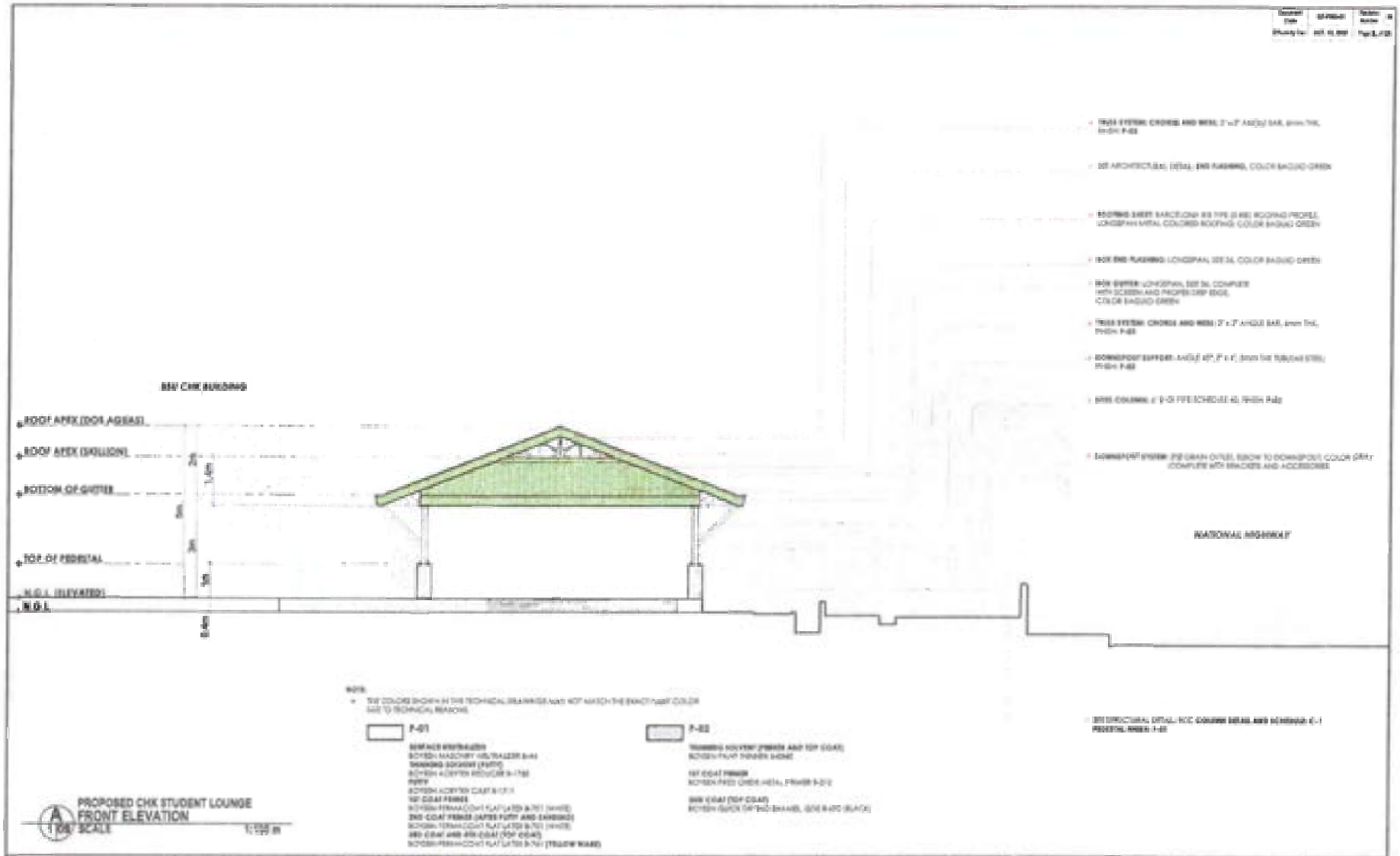
CHK STUDENT LOUNGE
PROPOSED FLOORING (GRAVEL)
SCALE 1:100 m

AR. HAZELINE S. TIBANDAY, uap PRC REG. NO. [illegible] NOV. 16, 2027 PTR NO. _____ LA TRINIDAD _____ ARCHITECT	ENGINEER	DRAWN: PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLEN S. TABOI END-USER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAR KINNUD SECTOR MGT. PRESIDENT	APPROVED: KENNETH ALIP LARUAN CEO/ CHIEF	SHEET CONTENT: CHK STUDENT LOUNGE PROPOSED FLOORING (GRAVEL)	SHEET A 07 A 16

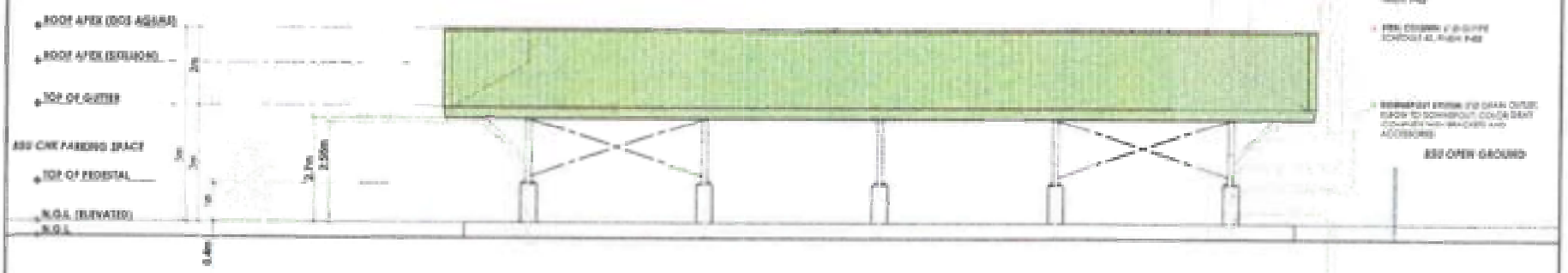


CHK STUDENT LOUNGE
PROPOSED DRAINAGE PLAN
SCALE 1:100 m

AR. HAZELINE N. TRIBINGAY, uap PRC REG. NO. 0[illegible] - NOV 18, 2017 PTR NO. _____ LA TRINIDAD _____ PROJECT	ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON B. TABDI END-USER, DEAN	RECOMMENDING APPROVAL: RICHARD HANDOJAAN UNNUD SECTOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN	SHEET CONTENT: CHK STUDENT LOUNGE PROPOSED DRAINAGE PLAN	SHEET: A 08 A 16



AR. HAZELINE A. TIBANGAY, JMP PRC REG. NO. 0[illegible] - NOV. 16, 2017 PTR NO. _____ LA TRINIDAD _____		OWNER/ PROJECT TITLE/ LOCATION: **PROPOSED CHK STUDENT LOUNGE** BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABOI ENGINEER / GCNR	RECOMMENDING APPROVAL: RICHARD HANGDAAN KINNUD PRESIDENT	APPROVED: KENNETH ALIP LARUAN DEPUTY	SHEET CONTENT: -PROPOSED CHK STUDENT LOUNGE FRONT ELEVATION	SHEET: A 09 A 16



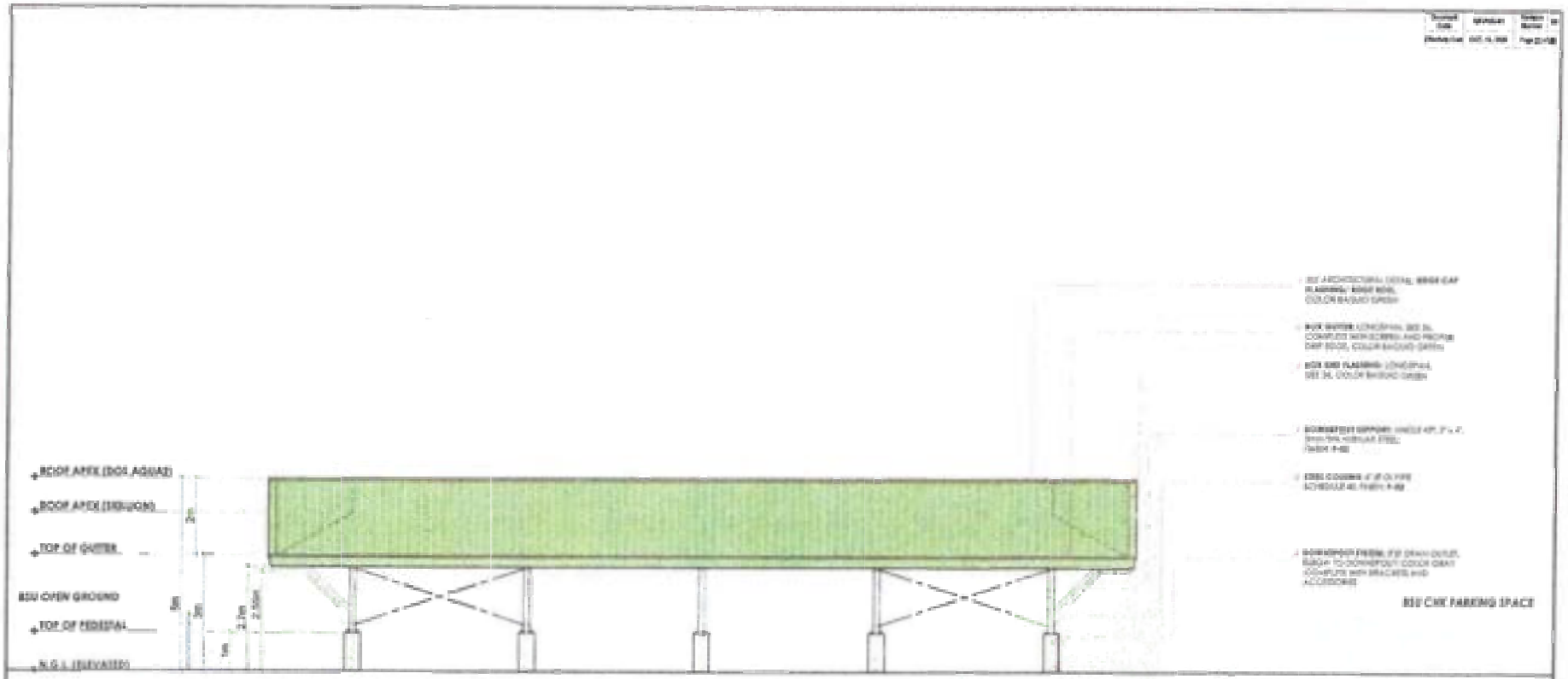
PROPOSED CHK STUDENT LOUNGE
LEFT SIDE ELEVATION
SCALE 1:100 m

NOTE:
- THE COLORS SHOWN IN THIS TECHNICAL DRAWINGS MAY NOT MATCH THE EXACT PAINT COLOR DUE TO TECHNICAL REASONS.

P-01
SURFACE PREPARATION
ROTSEN MASONRY NEUTRALIZER B-61
THINNING SOLVENT (PUTTY)
ROTSEN ACRYTEX REDUCER B-1702
PUTTY
ROTSEN ACRYTEX CAST B-5711
1ST COAT PRIMER
ROTSEN PERMACOAT FLAT LATEX B-707 (WHITE)
2ND COAT PRIMER (AFTER PUTTY AND SANDING)
ROTSEN PERMACOAT FLAT LATEX B-707 (WHITE)
3RD COAT AND 4TH COAT (TOP COAT)
ROTSEN PERMACOAT FLAT LATEX B-741 (YELLOW WARE)

P-02
THINNING SOLVENT (PRIMER AND TOP COAT)
ROTSEN PAINT THINNER B-1040
1ST COAT PRIMER
ROTSEN RED OXIDE METAL PRIMER B-310
2ND COAT (TOP COAT)
ROTSEN QUICK DRYING ENAMEL, GLOSS B-MR (BLACK)

AR. HAZELINA N. TIBANGAY, MAD PRC REG. NO. 0[illegible] – VALID TO 2017 PTR NO. [illegible] – LA TRINIDAD ARCHITECT	ENGINEER		OWNER/ PROJECT TITLE/ LOCATION PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME END-USER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN KINNUD SECTOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN CHAIRMAN	SHEET CONTENT: PROPOSED CHK STUDENT LOUNGE LEFT SIDE ELEVATION	SHEET: A 10 A 16



NOTE:

- THE COLORS SHOWN IN THE TECHNICAL DRAWINGS MAY NOT MATCH THE EXACT PAINT COLOR DUE TO TECHNICAL REASONS.

P-01

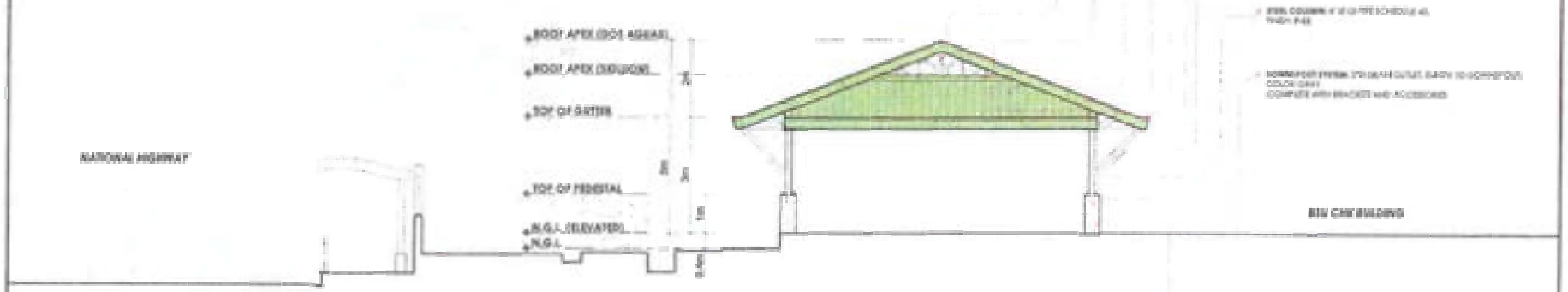
SURFACE NEUTRALIZER
SCHEIN MASCHERY NEUTRALIZER B-44
THINNING EQUIVENT (PUTTY)
SCHEIN ACRYTEX REDUCER B-1700
PUTTY
SCHEIN ACRYTEX CAST B-1711
1ST COAT PRIMER
SCHEIN PERMACOAT FLAT LATEX B-7011 (WHITE)
2ND COAT PRIMER (AFTER PUTTY AND SANDING)
SCHEIN PERMACOAT FLAT LATEX B-7011 (WHITE)
3RD COAT AND 4TH COAT (TOP COAT)
SCHEIN PERMACOAT FLAT LATEX B-7011 (YELLOW WARE)

P-02

THINNING EQUIVENT (PRIMER AND TOP COAT)
SCHEIN PAINT THINNER B-6340
1ST COAT PRIMER
SCHEIN PRED OXIDE METAL PRIMER B-200
2ND COAT (TOP COAT)
SCHEIN QUICK DRYING ENAMEL, QZE B-6P0 (BLACK)

PROPOSED CHK STUDENT LOUNGE
RIGHT SIDE ELEVATION
SCALE 1:100 m

AR. HAZELINE L. TIBANGAY, uap PRC REG. NO. 0840 - NOV. 15, 2027 PTR NO. ____ LA TRINIDAD ____ ARCHITECT	ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON B. TABDI CHD SEAL	RECOMMENDING APPROVAL: RICHARD HANGOLIAN KIMUD SECTOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN	SHEET CONTENT: PROPOSED CHK STUDENT LOUNGE RIGHT SIDE ELEVATION	SHEET: A 11 A 16



- TRUSS SYSTEM: CHORDS AND WEBS, 2" x 2" ANGLE BAR, 4mm THK, FINISH: P-02
- SEE ARCHITECTURAL DETAIL: ROOF END FLASHING, COLOR: BAGUIO GREEN
- ROOFING SHEET: BANCRUSAW PB TYPE (LEVEL) ROOFING PROFILE, LONGSPAN METAL COLORED ROOFING) COLOR: BAGUIO GREEN
- ROOF END FLASHING: LONGSPAN, SEE SA, COLOR: BAGUIO GREEN
- ROOF GUTTER: LONGSPAN, SEE SA, COMPLETE WITH SCREEN AND PROPER DRIP EDGE, COLOR: BAGUIO GREEN
- TRUSS SYSTEM: CHORDS AND WEBS, 2" x 2" ANGLE BAR, 4mm THK, FINISH: P-02
- SIDEWALL GIRT SUPPORT: ANGLE BAR, 2" x 4", 3mm THK TABULAR STEEL, FINISH: P-02
- STEEL COLUMN: 4" Ø SCH TYPE SCHEDULE 40, FINISH: P-02
- DOWNSPOUT SYSTEM: 3"Ø DEAR OUTLET, EARTH TO DOWNSPOUT, COLOR: GRAY, COMPLETE WITH BRACKET AND ACCESSORIES

NOTE:
- THE COLORS SHOWN IN THE TECHNICAL DRAWINGS MAY NOT MATCH THE EXACT PAINT COLOR DUE TO TECHNICAL REASONS.

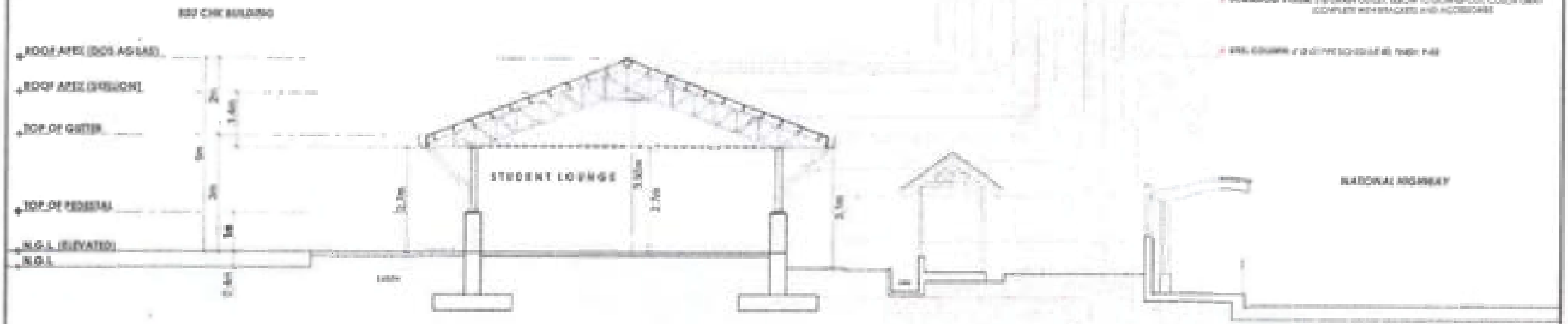
P-01
RUST-OLEUM NEUTRALIZER:
RUSTOLEUM MASONRY NEUTRALIZER 9-44
TRIGLOSS ENDURET (PUTTY):
RUSTOLEUM ACRYLITEX BRUSHCOR 9-1700
PUTTY
RUSTOLEUM ACRYLITEX GRAY 9-1711
1ST COAT PRIMER:
RUSTOLEUM PERMACOAT FLAT LATEX 9-770 (WHITE)
2ND -TOUCH PRIMER (AFTER PUTTY AND SANDING):
RUSTOLEUM PERMACOAT FLAT LATEX 9-770 (WHITE)
3RD COAT AND 4TH COAT (TOP COAT):
RUSTOLEUM PERMACOAT FLAT LATEX 9-711 (YELLOW WAVE)

P-02
TRIGLOSS ENDURET (PRIMER AND TOP COAT):
RUSTOLEUM FLAT THINNER 9-4240
1ST COAT PRIMER:
RUSTOLEUM RED OXIDE METAL PRIMER 9-810
2ND -COAT (TOP COAT):
RUSTOLEUM SILICONE ENAMEL, QUICK-DRY, GLOSS

- SEE STRUCTURAL DETAIL: RCC COLUMN SCHEDULE AND SCHEDULE OF PEDESTAL, FINISH: P-01

A 1/2 PROPOSED STUDENT LOUNGE REAR ELEVATION
SCALE 1:100 m

JR. VALERIO N. TIBANGAY, ARCH PRC REG. NO. 0000000 - ECV 18, 2021 PTR NO. 0000000 - LA TRINIDAD APCHI	ENGINEER		OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: ENGR. S. TABOI END – USER : DEAN	RECOMMENDING APPROVAL: RICHARD HANGDUAN KIMUD SECTION HEAD	APPROVED: KENNETH ALIP LARGUAN	SHEET CONTENT: PROPOSED CHK STUDENT LOUNGE REAR ELEVATION	SHEET: A 12 A 16



PROPOSED STUDENT LOUNGE
CROSS SECTION (Y-Y)
SCALE 1:100 m

NOTE:
- THE COLORS SHOWN IN THE TECHNICAL DRAWINGS MAY NOT MATCH THE EXACT PAINT COLOR DUE TO TECHNICAL REASONS.

P-001
SURFACE PREPARATION
FILLING AND SMOOTHING WITH TOPCOAT
TRIMMING EQUIPMENT (PUTTY)
SCRAPING, ACRYLIC PRIMER (1-1/2)
PUTTY
ACRYLIC ACRYLIC COAT (1-1/2)
1ST COAT PRIMER
ACRYLIC PRIMER/COAT PLAT LATEX (1-1/2) (Red)
2ND COAT PRIMER (LATEX (WHITE AND SANDING)
ACRYLIC PRIMER/COAT PLAT LATEX (1-1/2) (Green)
3RD COAT AND 4TH COAT (TOP COAT)
ACRYLIC PRIMER/COAT PLAT LATEX (1-1/2) (YELLOW WALL)

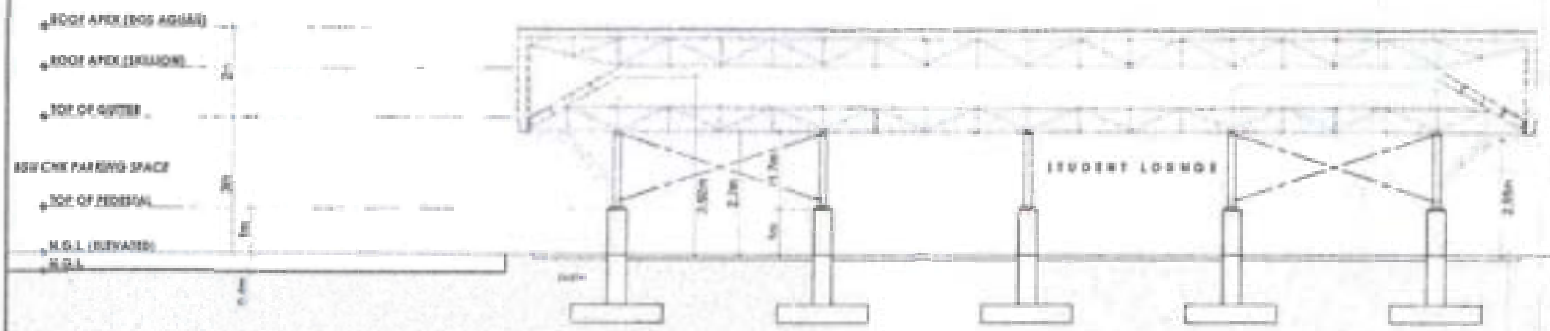
P-002
TRIMMING SOLVENT (PRIMER AND 1ST COAT)
ACRYLIC PAINT THINNER (LACQUE)
1ST COAT PRIMER
ACRYLIC PRIMER (WHITE PRIMER (1-1/2)
2ND COAT (TOP COAT)
ACRYLIC QUICK DRYING ENAMEL (200 LITERS (BLACK)

- SEE ARCHITECTURAL DETAIL **BRIDGE CAT PLASHING/ BRIDGE ROAL**
- **ROOFING SHEET:** BARCELONA .5M TYPE (1.83M) ROOFING PROFILE, LONGSPAN METAL COLORED ROOFING, COLOR BASCLIO GREEN
- **ROOF INSULATION:** PE FOAM INSULATION (DOUBLE SIDED FOIL SUPPORTED AT THE BOTTOM BY HOT-DIPPED GALVANIZED HEXAGONAL WIRE MESH 1" OPENING, WIRE GAUGE 19 (1.2mm Ø) BETWEEN THE ROOF SHEET AND THE C-PURLINS
- **C-PURLIN:** 2" x 3" PROFILE, 1.2mm THK WITH ANGLE CLEAT (BRACKET) 2" x 2" ANGLE BAR 6mm THK (FASTENER) / CONNECTION: (SECURE THE CLEAT TO THE 50mm TRUSS CHORD) USE WELDING MACHINE 4mm (RELIEF WELD) AND (WELD THE PURLIN TO THE MEDIUM SIZE OF THE CLEAT USING APPROPRIATE TEK SCREW OR BOLTS)
- **SAG RODS:** 12mm Ø
- **CENTER BRACE:** 2" x 2" ANGLE BAR, 6mm THK, finish: P-002
- **TRUSS SYSTEM, CHORDS AND WEBS:** 3" x 3" ANGLE BAR, 6mm THK, FINISH: P-002
- **FASCIA BOARD:** 12" x 8'-0", 12mm THK FIBER CEMENT, FLUSH WITH THE BOTTOM OF THE GUTTER, COLOR: BLACK/ GRAY
- **MISC GUTTER:** LONGSPAN SIZE 5A, COMPLETE WITH SCREEN AND FRONTER END CAP, COLOR: BASCLIO GREEN
- **DOWNSPOUT SUPPORT:** ANGLE 40", 2" x 4", 2mm THK TUBULAR STEEL, FINISH: P-002
- **DOWNSPOUT SYSTEM:** 75Ø DRAIN OUTLET, ELBOW TO DOWNSPOUT, COLOR: GRAY (COMPLETE WITH BRACKETS AND ACCESSORIES)
- **STEEL COLUMNS:** 6" Ø (0.17 PIPE SCH 80 (5.6" Ø)) FINISH: P-002

- SEE STRUCTURAL DETAIL W.C.C. **COLUMN DETAIL AND FOOTINGS: C-1**

- SEE STRUCTURAL DETAIL **ROOFING DETAIL AND SCHEDULE: A-1**

AR. HAZELINE N. TRANDAY, MAD PRC REG. NO. 0[illegible] PTR NO. _____ LA TRINIDAD _____ ARCHITECT		LOCAL MAP	OWNER/ PROJECT TITLE/ LOCATION: **PROPOSED CHK STUDENT LOUNGE** BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: [illegible] DIR.—USER/ DEAN	RECOMMENDING APPROVAL: RICHARD KINGSLAAN KANAUD SECTION HEAD, PRESIDENT	APPROVED: KENNETH ALEP LARUAN PRESIDENT	SHEET CONTENT: PROPOSED CHK STUDENT LOUNGE CROSS SECTION (Y-Y)	SHEET: A 13 A 16



NOTE:

- THE COLORS SHOWN IN THE TECHNICAL DRAWINGS MAY NOT MATCH THE EXACT PAINT COLOR DUE TO TECHNICAL REASONS.

F-01

SURFACE RESTRAINER
BOYSEN MASONRY NEUTRALIZER B-44
SIGNMING AQUAMIX (PUTTY)
BOYSEN ACRYTEX REDUCER B-1730
PUTTY
BOYSEN ACRYTEX CAST B-1711
1ST COAT PRIMER
BOYSEN PERMACOAT FLAT LATEX B-701 (WHITE)
2ND COAT PRIMER (AFTER PUTTY AND SANDING)
BOYSEN PERMACOAT FLAT LATEX B-701 (WHITE)
3RD COAT AND 4TH COAT (TOP COAT)
BOYSEN PERMACOAT FLAT LATEX B-741 (YELLOW WASH)

F-02

SIGNMING AQUAMIX (PRIMER AND TOP COAT)
BOYSEN PAINT TRAINER B-2040
1ST COAT PRIMER
BOYSEN PRED CHEM METAL PRIMER B-310
2ND COAT (TOP COAT)
BOYSEN QUICK DRYING ENAMEL, QDE B-800 (BLACK)

PROPOSED STUDENT LOUNGE
LONGITUDINAL SECTION (X-X)
A 1:14 SCALE 1:100 m

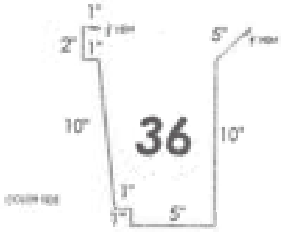
AR. HAZELIMAE TIYAMGAY, ARP PRC REG. NO. [illegible] PTR NO. _____ N TRINIDAD _____		OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: HARLOR S. TABDI	RECOMMENDING APPROVAL: RICHARD HANGDAAN KIMUD SECTOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN	SHEET CONTENT: PROPOSED CHK STUDENT LOUNGE LONGITUDINAL SECTION (X-X)	SHEET: A 14 A 16



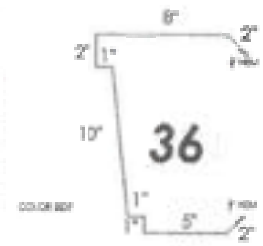


RIDGE CAP/ROLL

RIDGE CAP/ ROLL:
COLOR BAGUIO GREEN



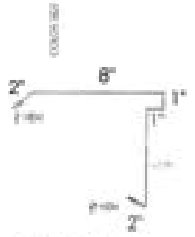
BOX GUTTER



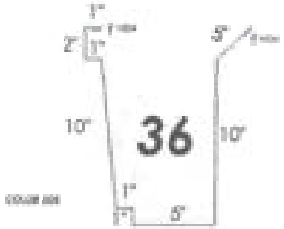
BOX END FLASHING

BOX GUTTER:
LONGSPAN, SIZE 36,
COMPLETE WITH SCREEN AND
PROPER DRIP EDGE,
COLOR BAGUIO GREEN

BOX END FLASHING:
LONGSPAN, SIZE 36,
SAME PROFILE AS THE
SPANISH GUTTER, COLOR
BAGUIO GREEN



BOX END FLASHING



BOX GUTTER

BOX END FLASHING:
END FLASHING TO COVER AND PROTECT THE
EXPOSED CUT EDGE OF THE ROOFING SHEET,
EXTENDING UP TO THE C-PURLINE,
COLOR BAGUIO GREEN

BOX GUTTER:
LONGSPAN, SIZE 36, COMPLETE WITH SCREEN AND
PROPER DRIP EDGE, COLOR BAGUIO GREEN

NOTE:
ALL DIMENSIONS AND MEASUREMENTS SHALL BE FIELD-VERIFIED AND DOUBLE-CHECKED
ON SITE TO ENSURE ACCURATE AND PRECISE EXECUTION OF THE WORKS.

A 1/16 PROPOSED STUDENT LOUNGE
ARCHITECTURAL DETAILS
SCALE MTS

AR. HAZELINE N. TABAGAY, Jap PRC REG. NO. [illegible] - NOV 14, 2017 PTR NO. _____ - LA TRINIDAD - _____ ARCHITECT	ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. YABOI DEAN	RECOMMENDING APPROVAL: RICHARD HANGOHAN KIMUS COLOR VICE PRESIDENT	APPROVED: KENNETH ALIP LAR UAN RESIDENT	SHEET CONTENT: PROPOSED STUDENT LOUNGE ARCHITECTURAL DETAILS	SHEET: A 15 A 16

FRONT VIEW PERSPECTIVE



BERIAL VIEW



LEFT SIDE VIEW PERSPECTIVE



INTERIOR VIEW



A 1/16 PROPOSED STUDENT LOUNGE PERSPECTIVES
SCALE NTS

AR. HAZELINE L. TIBANDAY, asp PRC REG. NO. [illegible] PTR NO. _____ TRINIDAD _____ APCHI	ENGINEER		OWNER/ PROJECT TITLE/ LOCATION PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: [illegible] TABOI DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN KAINUD SECTOR VICE	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: PROPOSED STUDENT LOUNGE PERSPECTIVES	SHEET: A 16 A 16

STRUCTURAL

A. GENERAL NOTES

1. GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED.
2. FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT FOR SIMILAR CONDITIONS. WORK IS TYPICAL DETAILS AS REQUIRED TO MEET SPECIAL CONDITIONS.
3. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK OR DURING CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTIONS.
5. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST APPLICABLE STANDARDS OR SPECIFICATIONS. ALL WORKS SHALL CONFORM WITH THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES.
6. INSPECTION - ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER/ARCHITECT. THE ENGINEER/ARCHITECT SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.
7. UNLESS SPECIFICALLY DETAILED ELSEWHERE CONTRACTOR SHALL FOLLOW TYPICAL DETAILS AS SHOWN IN THESE DRAWINGS.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO ENSURE THE INSTALLATION OF ALL WORK WITHIN THE AVAILABLE SPACE.
9. DISTRICT SCALE DRAWINGS, EARLIER DIMENSIONING AND ETHERWISE CODE REQUIREMENTS SHALL GOVERN OVER UN-SCALED DRAWINGS.
10. SPECIAL NOTE: DIMENSIONS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS SHALL BE USED TO VERIFY BEAM CONFIGURATIONS, OPENINGS, JOINTS, SLOPES, ETC.
11. THE CONTRACTOR SHALL HAVE THE OPTION TO UTILIZE ALTERNATIVE METHODS OF DESIGN AND ALTERNATIVES METHOD OF CONSTRUCTION AS DEEMED SUITABLE PROVIDED THAT SUCH OPTION IS IN CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND IS COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS.

B. REINFORCED CONCRETE NOTES

SCHEDULE OF STRUCTURAL CONCRETE 28-DAY COMPRESSIVE STRENGTH AND TYPES

LOCATION	STRUCTURAL ELEMENTS	28-DAY COMPRESSIVE STRENGTH	DENSITY	MAX SLUMP
FOUNDATION	PILE CAPS FOOTING *SEE BELOW	20MPa min	150 PCF	4" (100mm)
GROUND TO ROOF	SLAB SUSPENDED, T.S. WALLS, COLUMNS, RAMPS, RETAINING WALL	20MPa min	150 PCF	4" (100mm)

1. ENGINEER/ARCHITECT/OWNERS OF OTHER MATERIALS/CONCRETE STRUCTURAL ELEMENTS NOT SHOWN ABOVE TO DETERMINE THEIR RESPECTIVE COMPRESSIVE STRENGTHS.

SCHEDULE OF CONCRETE AGGREGATES

ITEMS	AGGREGATE SIZE
FOOTING TIE BEAM	3/4" (19mm)
SLABS, BEAMS, COLUMNS, R.C. WALLS, PIER NG WALL	3/4" (19mm)
OVERALL AVERAGE CONCRETE	1" (25mm)

2. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION CODE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-95).
3. LOCATION OF ALL CONSTRUCTION OR COLD JOINTS MUST BE APPROVED BY THE ENGINEER/ARCHITECT.
4. PIPE OR DUCTS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
5. REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURELY IN PLACE BEFORE PLACING CONCRETE. BAR ALIGNMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE.
6. IN GENERAL, THE LATEST EDITION OF I MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES ACI 315, SHALL BE ADHERED TO, UNLESS SHOWN OTHERWISE.
7. USE OF ADMIXTURES IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO THE ENGINEER'S APPROVAL. ADDITION OF WATER TO CONCRETE AT JOBSITE IS NOT ALLOWED.

C. REINFORCING STEEL

SCHEDULE OF REINFORCING BARS

DIAMETER OF BARS	GRADE (Fy)	USES
3/8 AND SMALLER	GRADE 40 (280MPa)	ARTEMPERATURE REINFORCING
3/8 AND LARGER	GRADE 60 (420MPa)	ARTEMPERATURE REINFORCING

1. BARS SHALL BE FREE OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
2. ALL SPLICES IN REINFORCING BARS EITHER SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REBAR STEEL IF CONSTRUCTABILITY ON SITE.
3. IN GENERAL BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER, STAGGER SPACES AT 24 DIA. 600 MM, WHENEVER POSSIBLE IN BEAM BEARS AND SLABS SPLICE TOP BARS AT MIDSPAN AND BOTTOM BARS NEAR SUPPORT. SPLICE OF REINFORCEMENT SHALL BE MADE ONLY AS INDICATED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY THE ACI CODE OR AS AUTHORIZED BY THE ENGINEER.
4. BARS NOTED AS "CONT." SHALL HAVE A MINIMUM SPLICE LENGTH OF 40 BAR DIAMETERS BUT NOT LESS THAN 600 MM, UNLESS OTHERWISE NOTED.
5. REINFORCING SHALL BE SPLICED ONLY AS INDICATED ON THE DRAWINGS.
6. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE:

ITEM	COVER
CONCRETE CAST AGAINST EARTH	75mm
EXPOSED TO EXTERIOR OF WEATHER	38mm
FORMED ELEMENTS BELOW GRADE	50mm
SLAB TOP GRADE	25mm
COLUMNS & BEAMS	38mm
STRUCTURAL SLABS TOP & BOT INTERIOR	25mm

7. ANY WELDING TO BE REINFORCED MUST HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
8. WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4/D1.4M STRUCTURAL WELDING CODE - REINFORCEMENT/STEEL OF THE AMERICAN WELDING SOCIETY. REINFORCING STEEL WHICH IS WELDED SHALL CONFORM TO ASTM A 706 REINFORCING STEEL NOT CONFORMING TO ASTM A 706 MAY BE USED IF MATERIAL PROPERTIES OF THE REINFORCING STEEL CONFORM TO AWS D1.4 (E).
9. SHOP DRAWINGS - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL, PREPARED IN ACCORDANCE WITH ACI 315, DETAILING MANUAL, ASSEMBLY DRAWINGS, BAR LISTS AND DIAGRAMS OF BENDS AND SPACERS SHALL BE USED AS SHOWN AND DETAILS FOR REINFORCING BARS.
10. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

D. STRUCTURAL STEEL

1. ALL STRUCTURAL MILL SECTIONS BUILT UP PLATES/SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC'S LATEST "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. DESIGN LOADS FOR BUILDINGS SHALL MEET THE REQUIRED STRUCTURAL DESIGN CRITERIA.
3. STEEL PLATES, SHAPES, BARS AND MISC. FABRICATIONS ASTM A-36.
4. STRUCTURAL BOLTS AND NUTS
   ASTM A-325, GALVANIZED, TYPE-B AND ISO 2/3
   A-490 1" Ø AND ABOVE.
5. ELECTRODES FOR SMS SMAW: ASTM A233 E_70XX SERIES COMPLY WITH AWS D1.1-2000 REQUIREMENTS.
6. FLARE BEVEL FITTINGS AND WELDING SHALL BE DONE IN ACCORDANCE WITH LATEST STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY.
7. ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS AND SHALL BE PROPERLY BACKGOUGED OR WELDED. BACK-UP PLATES SHALL BE PROVIDED AS REQUIRED.
8. SHOP FABRICATION: STRUCTURAL STEEL SHALL BE PLIST WINDOW PRIMER WITH MINIMUM D.F.T. OF 2.0 MILS.
9. TOUCH-UP PAINTING: APPLY PAINT TO EXPOSED AREAS IN MANNER SATISFACTORY TO THE ENGINEER WITH SAME MATERIAL AS SHOP PAINT.
10. COMPLY WITH AISC CODE AND SPECIFICATIONS FOR BEARING, ADEQUACY OF TEMPORARY CONNECTIONS AND ACCESSORIES.
11. CONTRACTOR SHALL FURNISH COMPLETE ERECTION DRAWINGS FOR THE PROPER IDENTIFICATION AND ASSEMBLY OF ALL BUILDING COMPONENTS. THESE DRAWINGS WILL SHOW ANCHOR BOLT SETTING, PRIMARY SECONDARY, AND ROOF FRAMING, AND NECESSARY INSTALLATION DETAILS. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.

E. FORMWORKS

1. FORMS SHALL BE PROVIDED FOR ALL CONCRETE INDICATED UNLESS SPECIFIED OTHERWISE. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND MADE AS RIGID AS TO ENSURE COMPLETED WORK WITHIN THE ALLOWABLE TOLERANCES SPECIFIED AND SHALL BE MORTAR TIGHT.
2. FORMS AND THEIR SUPPORTS SHALL BE DESIGNED SO AS NOT TO CHANGE PREVIOUSLY PLACED STRUCTURE.
3. NO CONSTRUCTION LOAD SHALL BE SUPPORTED ON, NOR MAY BRACING REMOVED FROM ANY PART OF STRUCTURE UNDER CONSTRUCTION EXCEPT WHEN THAT PORTION OF THE STRUCTURE IS CONSTRUCTION WITH THE REMAINING FORMING AND BRACING SYSTEM HAS SUFFICIENT STRENGTH TO SUPPORT SAFELY ITS WEIGHT AND THE ADDITIONAL IMPOSED LOADS.
4. FORMS SHALL BE REMOVED IN SUCH MANNER AS NOT TO IMPAIR SAFETY AND SERVICEABILITY OF THE STRUCTURE.
5. SCHEDULE OF STRIPPING OF FORMS OF SHORES:

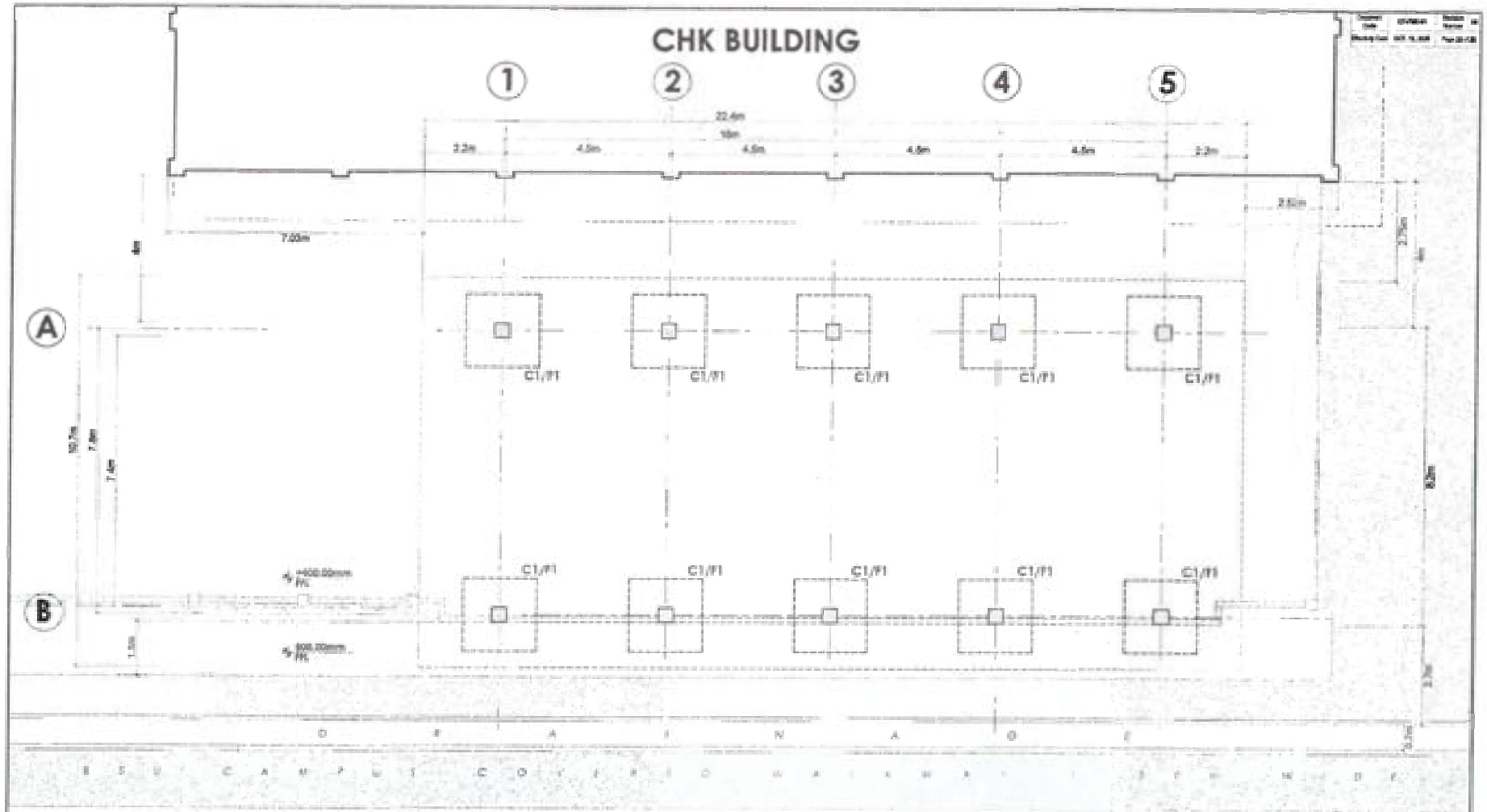
ITEM	TIME
FOUNDATION	24 HRS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	10 DAYS
COLUMN WALLS	3 DAYS
BEAMS	10 DAYS

STRUCTURAL LEGEND:

SYMBOL	DESCRIPTION
	FOOTING -VARY DIMENSIONS
	COLUMN -VARY DIMENSIONS
	BEAM -VARY DIMENSIONS
	SLAB -TEMP BARS SPACING AND SPECS
SS	SLAB (SS) -SUSPENDED SLAB AREA
SOF	SLAB (SOF) -SLAB ON FILL AREA
-50mm	SLAB -LOWER SLAB vary(-50mm)
	WALL -VARY DIMENSIONS
T	RAFTER -VARY DIMENSIONS
d	TRUSS -VARY DIMENSIONS
d	PURLINS -VARY DIMENSIONS
	SAG ROD -VARY DIMENSIONS
D DS	GUTTER -VARY DIMENSIONS
xyz	STAIRWELL/ AIRWELL

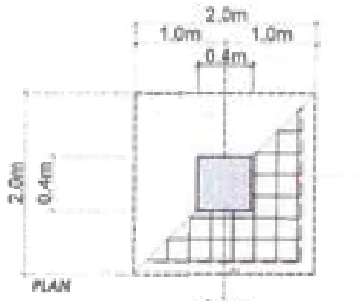
S-1 PROPOSED CHK STUDENT LOUNGE PEDESTAL COLUMN TYPICAL DETAILS
1" = 1'-0" SCALE

ARCHITECT	ENGR. RYERIFF JOHN C. LA MASID PRC REG. NO. 0123456	DISTRICT ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE SSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON B. TABOI EXE-VISER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANGGAAN BANNUD DIRECTOR, BCL Highlight	APPROVED: KENNETH ALIP LABUAN	SHEET CONTENT: -STRUCTURAL GENERAL NOTES -STRUCTURAL LEGENDS	SHEET: S 01 S 10



PROPOSED CHK STUDENT LOUNGE
FOUNDATION AND FRAMING PLAN
SCALE NTS

ENGR. SHERIFF JOHN C. LA MADRID PRC REG. NO. 0 0003 - 011830 PTR NO. ____ ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABDI SUB-USER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN VINNUD SECTOR MCC PRESIDENT	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: -PROPOSED CHK STUDENT LOUNGE FOUNDATION AND FRAMING PLAN	SHEET: S 02 S 10



PLAN



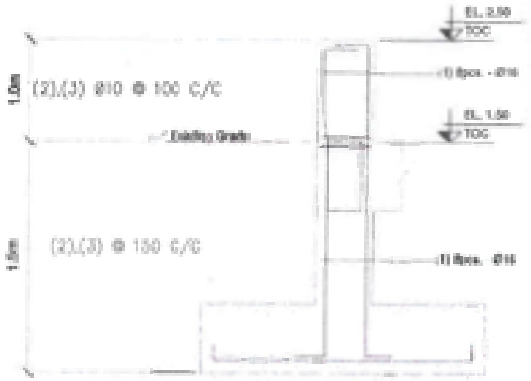
SECTIONAL ELEVATION

- 8 PCS 16mm Ø FOOTING RSB (GRADE 40) SPACED EQUALLY ON-CENTER BOTH WAYS
- COMPACTED FILL
- COLUMN RSB W/ LATERAL TIES (REFER TO COLUMN SCHEDULE)
- 8 PCS 16mm Ø FOOTING RSB (GRADE 40) SPACED EQUALLY ON-CENTER BOTH WAYS
- 75mm CONCRETE COVER
- 50mm PCC BLINDING LAYER
- 75mm THK. COMPACTED GRAVEL

FOOTING MARK	FOUNDATION					REINFORCEMENT	
	L (m)	W (m)	T (m)	D (m)	Cover (m)	AstX(B)	AstZ(B)
F1	2.00	2.00	0.40	1.50	0.075	Ø16 @ 250 mm Equally Spaced Center-to-Center	Ø16 @ 250 mm Equally Spaced Center-to-Center

MATERIAL SPECIFICATION:
CONCRETE ——— P'_c = 3,000 PSI (21 MPA) @ 28 DAYS
REINFORCING STEEL BAR ——— P_y = 40,000 PSI (276 MPA) GRADE 40 DEFORMED

5 M TO 2 M	C27.58 : Fy414 (M) : Fy276 (S) , COVER = 40MM  8pcs.-Ø16
2 M TO 0 M	C27.58 : Fy414 (M) : Fy276 (S) , COVER = 40MM  8pcs.-Ø16
COLUMN MARKED	C1

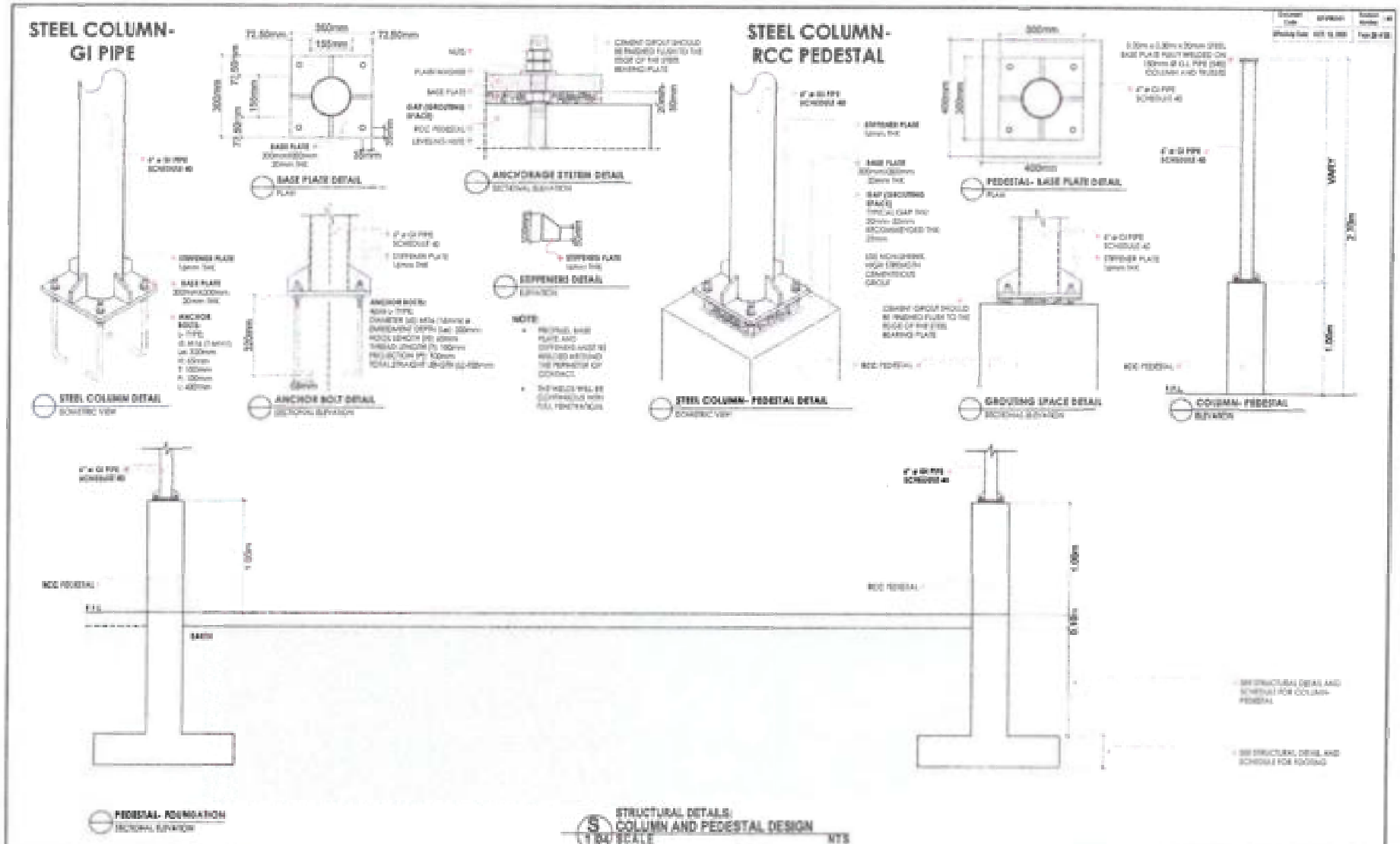


COLUMN ELEVATION

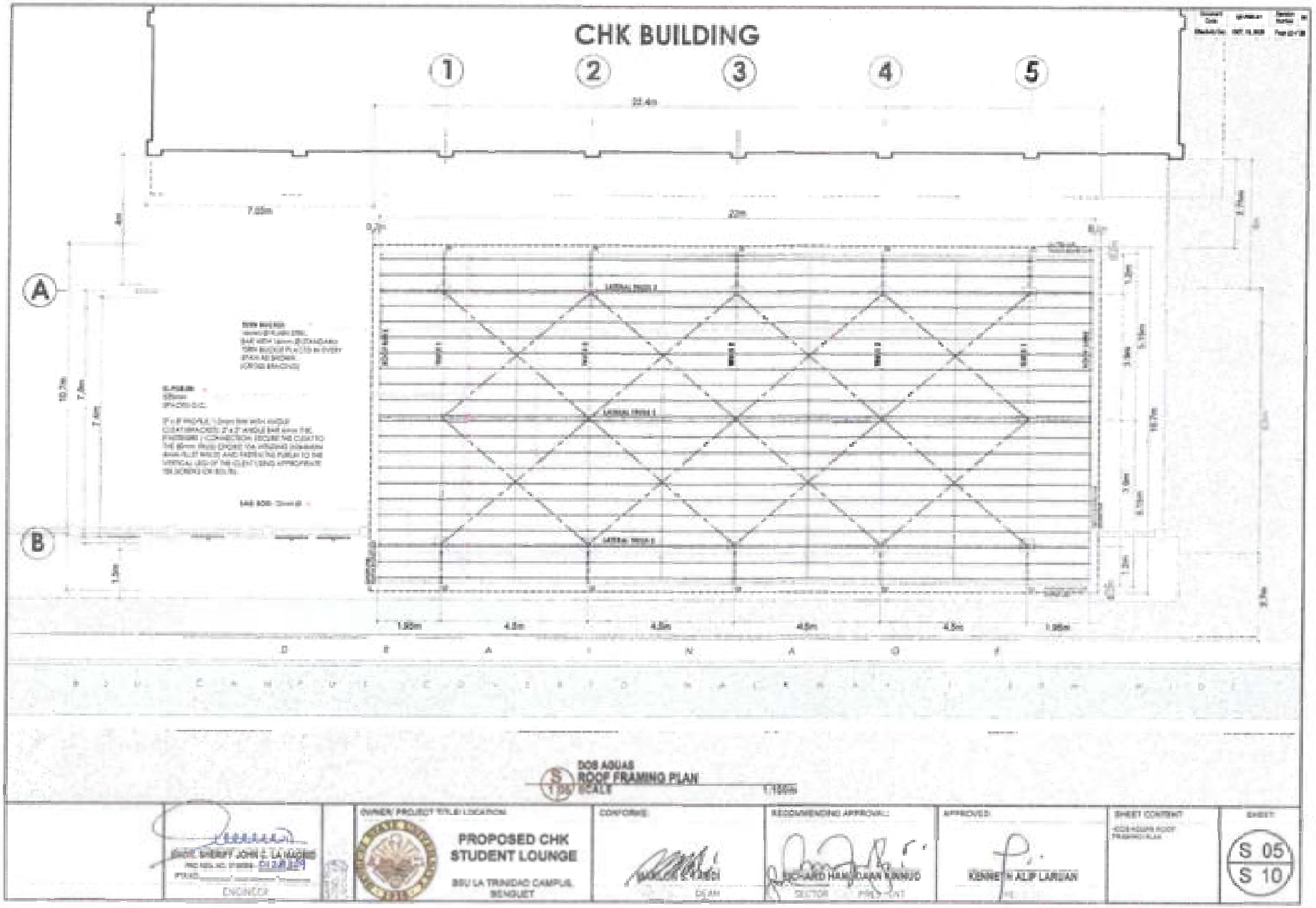
NOTES:
1. BE = BOUNDARY ELEMENT AS PER NSCP C101 - 2015, PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT
2. (1) = SPECIAL CONFINING ZONE AS PER NSCP C101 - 2015, (2) = REMAINING ZONES AS PER NSCP C101 - 2015
3. (M) = STEEL GRADE FOR MAIN REINFORCEMENT
4. (S) = STEEL GRADE FOR SHEAR REINFORCEMENT/LINKS

STRUCTURAL DETAILS AND SCHEDULES:
S BEAM, COLUMN AND FOOTING
1 03 SCALE NTS

ARCHITECT	ENGR. SHERIFF JOHN C. LA MADRID PRC REG. NO. 0108380 - 0108380 PTR NO. ____ / ____ / ____ ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABOI END-USER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANEDAAN KINNUD SUPERVISOR VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN ESDDIT	SHEET CONTENT: STRUCTURAL DETAILS AND SCHEDULES: BEAM, COLUMN AND FOOTING	SHEET: S 03 S 10



ARCH	ENGR. SHERIFF JOHN C. LA MADRID PRC REG. NO. 0 [illegible] PTR NO. _____ ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABDI BSU-USER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN NINNLO SECTOR PRESIDENT	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: STRUCTURAL DETAILS: COLUMN AND PEDESTAL DESIGN	SHEET: S 04 S 10



DOB AGUAS
ROOF FRAMING PLAN
SCALE 1:100

ENGINEER

OWNER/ PROJECT TITLE/ LOCATION:
PROPOSED CHK STUDENT LOUNGE
BSU LA TRINIDAD CAMPUS, BENGUET

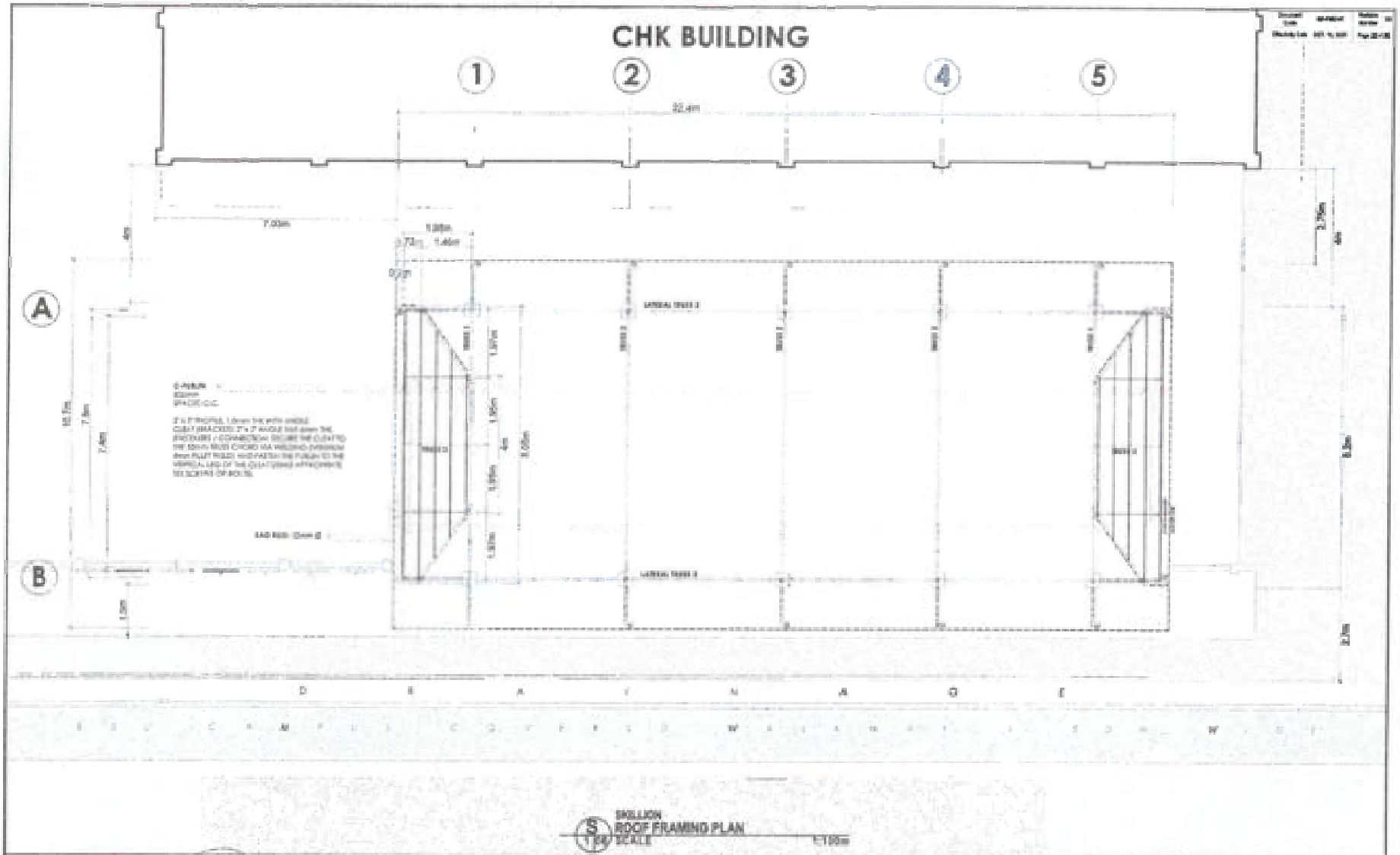
CONFORME:
DEAN

RECOMMENDING APPROVAL:
DIRECTOR, PHYSICAL PLANT

APPROVED:
KENNETH ALIP LARGAY
PE

SHEET CONTENT:
DOB AGUAS ROOF FRAMING PLAN

SHEET:
S 05
S 10



ENGR. JHERIFF JOHN C. LA MADRID

OWNER/ PROJECT TITLE/ LOCATION:

PROPOSED CHK STUDENT LOUNGE

BSU LA TRINIDAD CAMPUS, BENGUET

CONFORME:

RECOMMENDING APPROVAL:

RICHARD NANGDAAN RAMOS

DIRECTOR

APPROVED:

KENNETH ALIP LARUAN

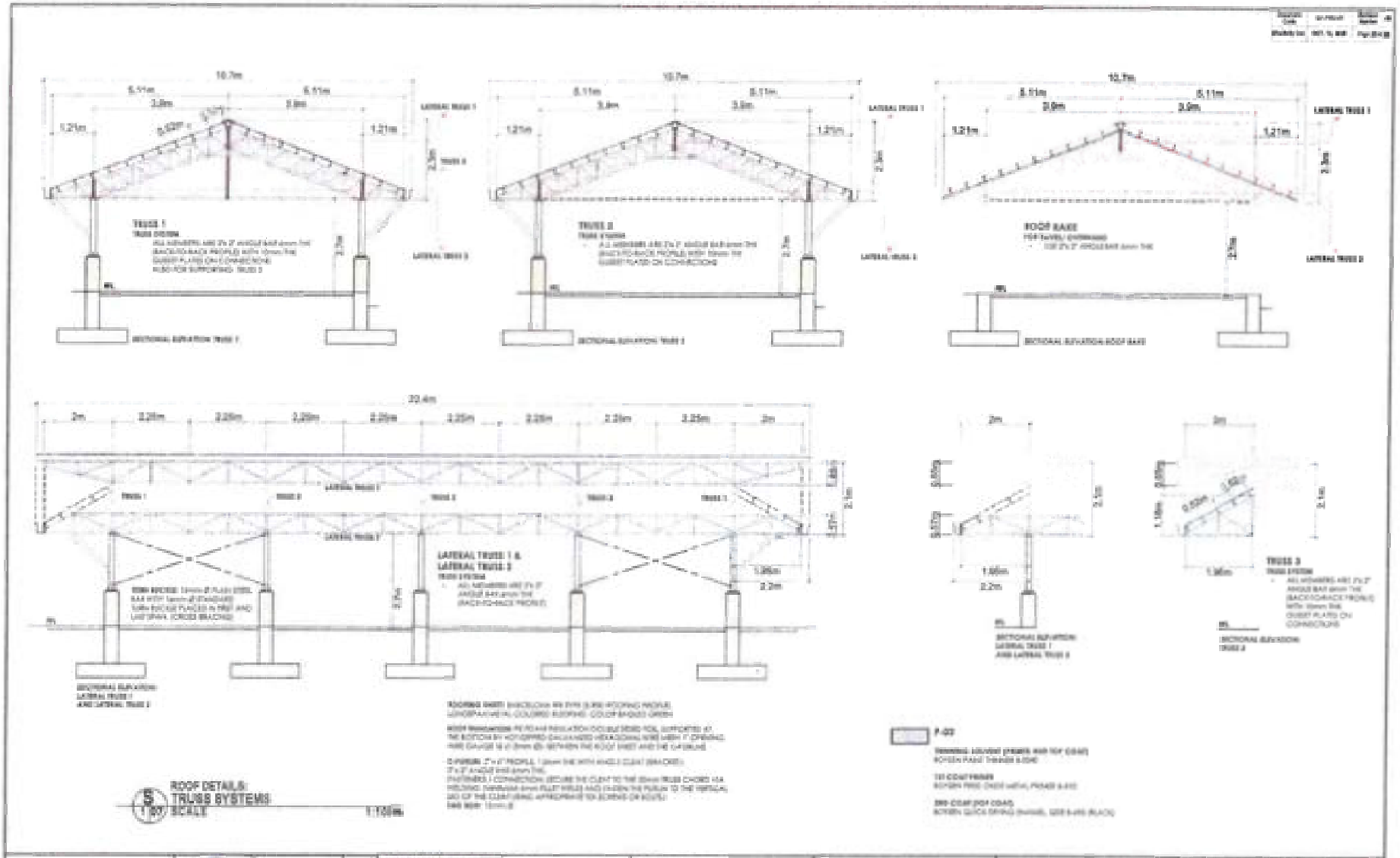
SHEET CONTENT:

SKILLION ROOF FRAMING PLAN

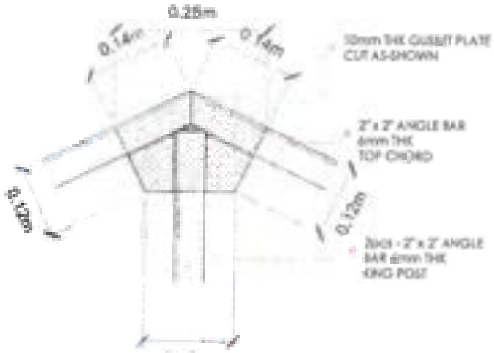
SHEET:

S 06

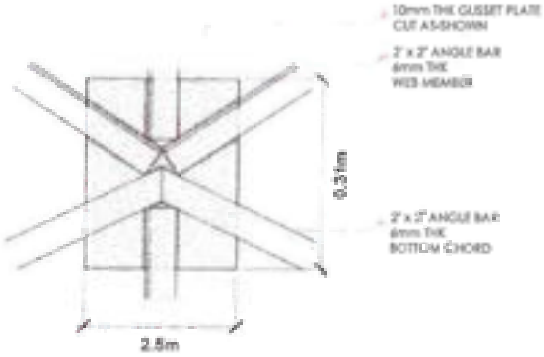
S 10



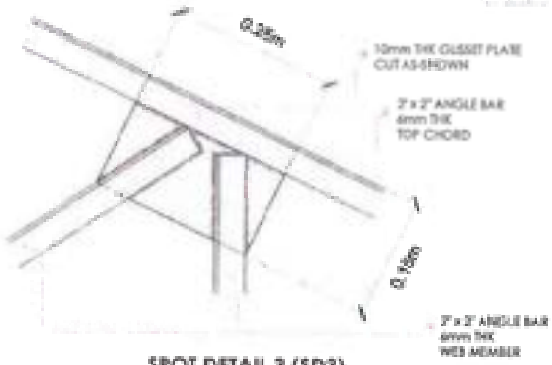
AR. HAZELINE N. TIBANGAY, LAP PRC REG. NO. 0[illegible] - NOV. 16, 2007 PTR NO. _____ - LA TRINIDAD - _____ ARCHITECT	[illegible]		OWNER/ PROJECT TITLE/ LOCATION PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TADDI [illegible] / DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN KINNUD SOLTOR	APPROVED: KENNETH ALIP LARUAN PRESIDENT	SHEET CONTENT: ROOF DETAILS: TRUSS SYSTEM	SHEET: S 07 S 10



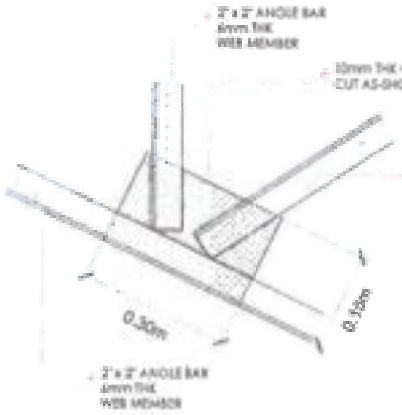
SPOT DETAIL 1 (SD1)



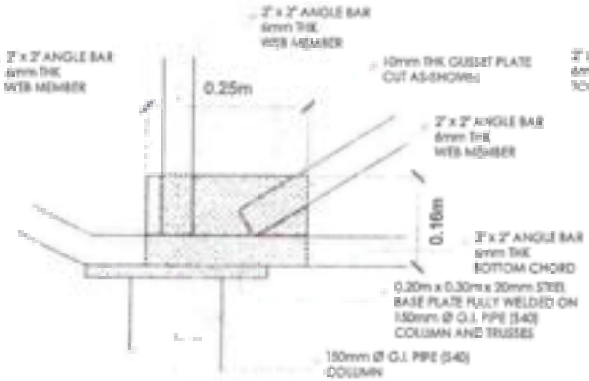
SPOT DETAIL 2 (SD2)



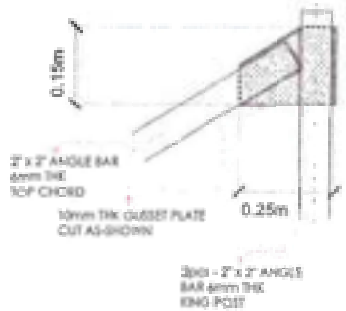
SPOT DETAIL 3 (SD3)



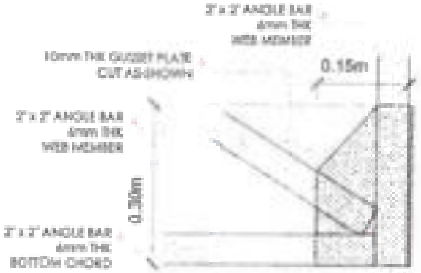
SPOT DETAIL 4 (SD4)



SPOT DETAIL 5 (SD5)



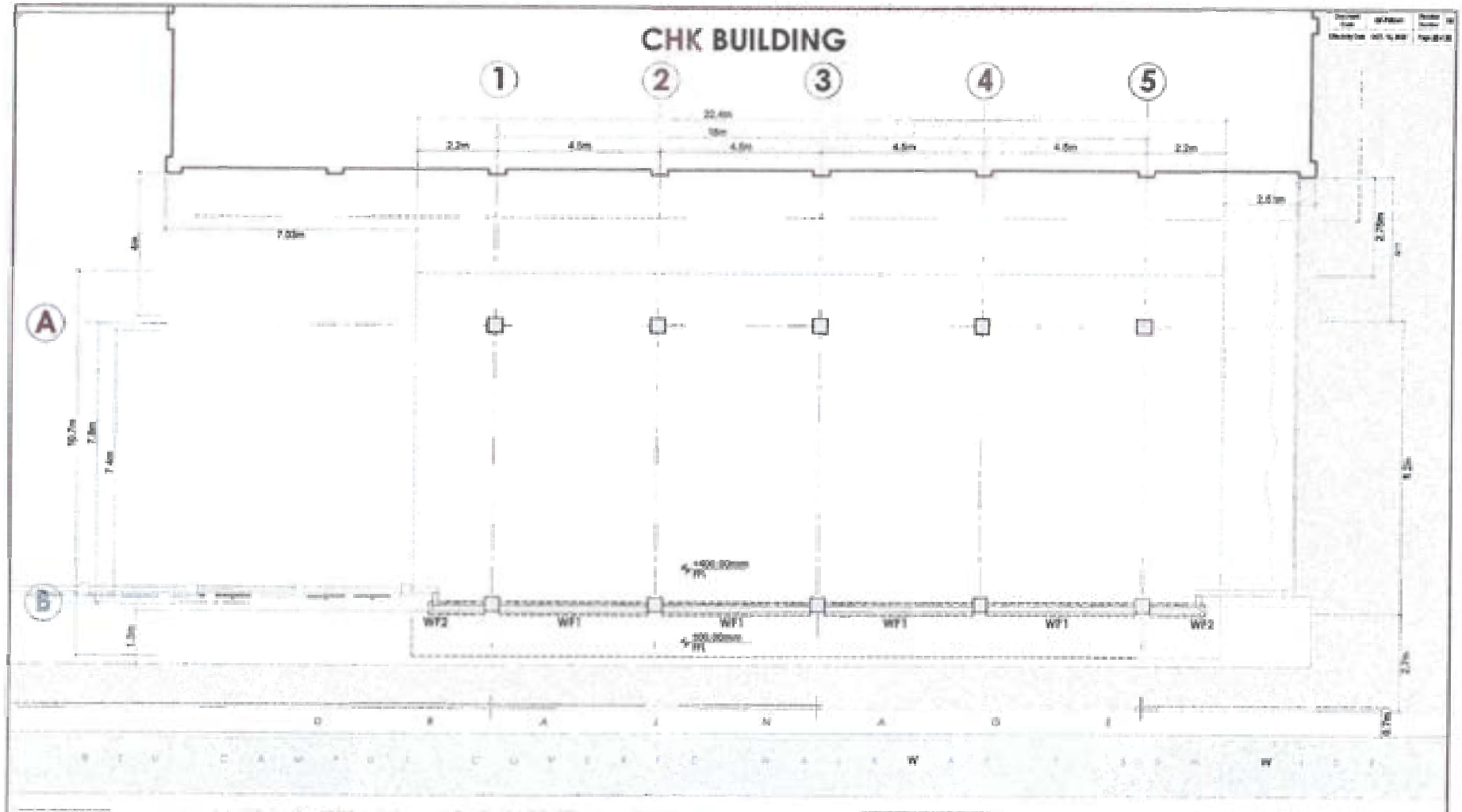
SPOT DETAIL 6 (SD6)



SPOT DETAIL 7 (SD7)

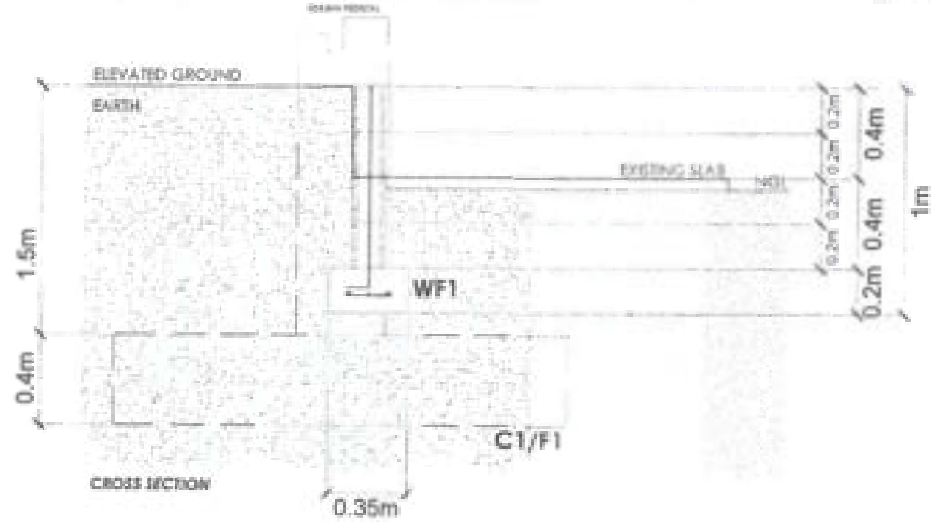
ROOF DETAILS: TRUSS SYSTEMS
SCALE NTS

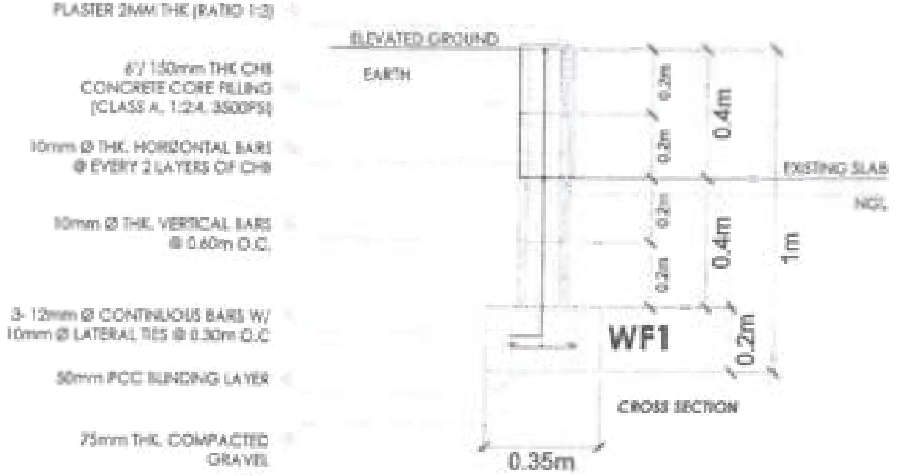
ARCHITECT	ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE, BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: ALLAN S. TABOT	RECOMMENDING APPROVAL: RICHARD RANGDAJAN KIWAD	APPROVED: KENNETH ALIP LARUAN	SHEET CONTENT: -ROOF DETAILS: TRUSS SYSTEM	SHEET: S 08 / S 10



PROPOSED CHK STUDENT LOUNGE
WALL FOOTING PLAN
SCALE 1:100m

ARCHITECT	SHIRL SHERIFF JOHN C. LA MADRID PRC REG. NO. 0120389 - 01/04/2019 PTR NO.		OWNER/ PROJECT TITLE/ LOCATION PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABOT END-USER/ DEAN	RECOMMENDING APPROVAL: RICHARD HANSON-IN KIMUD SECTOR MGR	APPROVED: KENNETH ALIP LARUAN	SHEET CONTENT: PROPOSED CHK STUDENT WALL FOOTING PLAN	SHEET: S 09 S 10





FOOTING MARK	FOUNDATION					REINFORCEMENT	
	L (m)	W (m)	T (m)	D (m)	Cover (m)	CONT. BARS	LATERAL TIES
WF1	4.10	0.35	0.20	1.00	0.075	3- Ø12 Equally Spaced Center-to-Center	Ø10 @ 300 mm Equally Spaced Center-to-Center
WF2	1.55	0.35	0.20	1.00	0.075	3- Ø12 Equally Spaced Center-to-Center	Ø10 @ 300 mm Equally Spaced Center-to-Center

MATERIAL SPECIFICATION:
CONCRETE ———————— F'c = 3,000 PSI (21 MPA) @ 28 DAYS
REINFORCING STEEL BAR: ——— Fy = 40,000 PSI (276 MPA) GRADE 40 DEFORMED

S 1/10 STRUCTURAL DETAILS AND SCHEDULES: WALL FOOTING
SCALE NTS

ARCHI	ENGR. SHERIFF JOHN C. LA MADRID PRC REG. NO. 0108994 - CIVIL 1/10 APPROVED ENGINEER	OWNER/ PROJECT TITLE/ LOCATION: PROPOSED CHK STUDENT LOUNGE BSU LA TRINIDAD CAMPUS, BENGUET	CONFORME: MARLON S. TABBI DEAN	RECOMMENDING APPROVAL: RICHARD HANGDAAN KIMUD SECTION VICE PRESIDENT	APPROVED: KENNETH ALIP LARUAN JEDIT	SHEET CONTENT: STRUCTURAL DETAILS AND SCHEDULES: WALL FOOTING	SHEET: S 10 S 10