



Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal,  
Kathmandu

**Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.**

**BAGLUNG AND RUKUM EAST, NEPAL**



INNOVATION ENGINEERING ASSOCIATES PVT.LTD.  
Sorakhutte KMC-16, Kathmandu, Nepal

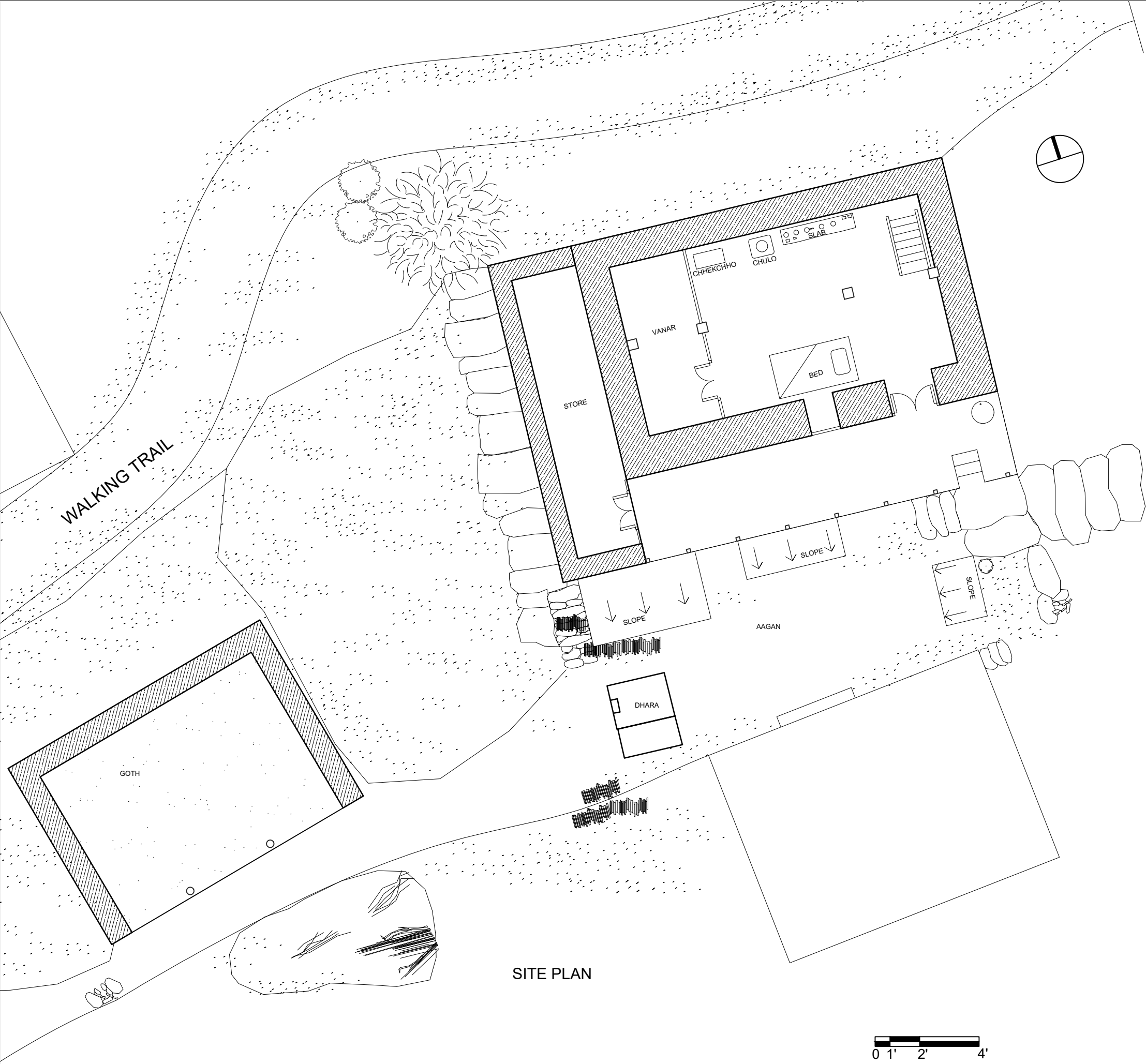
# ARCHITECTURAL DRAWINGS

## TAMAN-I, BAGLUNG

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT1_1
2	GROUND FLOOR PLAN	BT1_2
3	FIRST FLOOR PLAN	BT1_3
4	ATTIC FLOOR PLAN	BT1_4
5	FIRST FLOOR BEAM LAYOUT	BT1_5
6	ROOF DEATAIL	BT1_6
7	ROOF PLAN	BT1_7
8	ELEVATION	BT1_8
9	ELEVATION	BT1_9
10	ELEVATION	BT1_10
11	ELEVATION	BT1_11
12	SECTION	BT1_12
13	3D	BT1_13
14	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT1_14
15	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT1_15

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT.LTD.  
WARD-16, SORAKHUTTE, KATHMANDU





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWING

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT1\_(1)

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

CLIENT:

PROJECT:

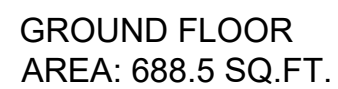
BAGLUNG AND RUKUM EAST, NEPAL

CIVIL ENGINEER:

DRAWN BY:

PAGE NUMBER:

BT1\_(2)



Sorakhutte KMC-16, Kathmandu, Nepal

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

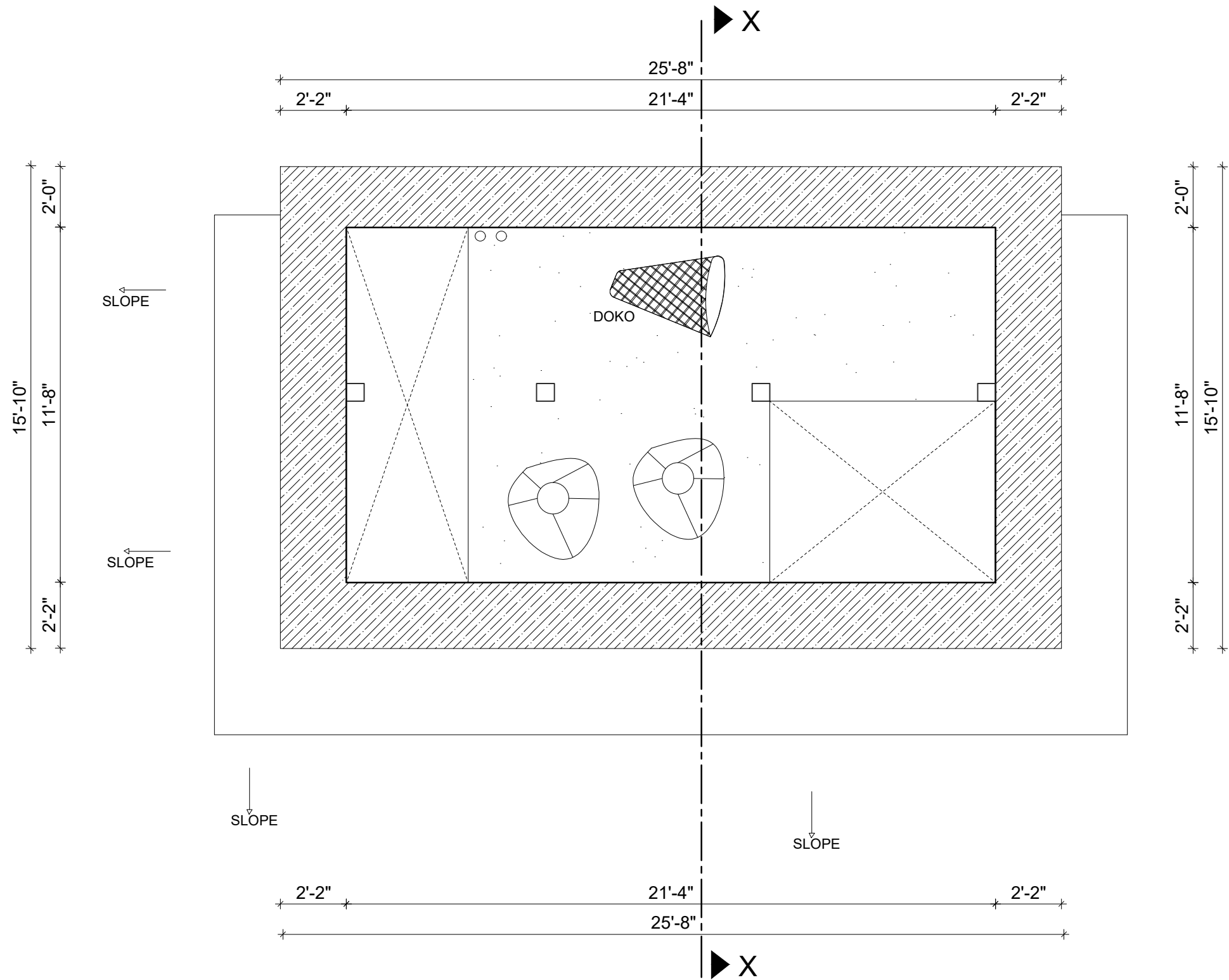
TITLE: ARCHITECTURAL DRAWING

CHECKED BY:

BT1\_(3)







ATTIC FLOOR PLAN  
AREA:406.38 SQ.FT.



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWING

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT1\_(4)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWING

CIVIL ENGINEER:

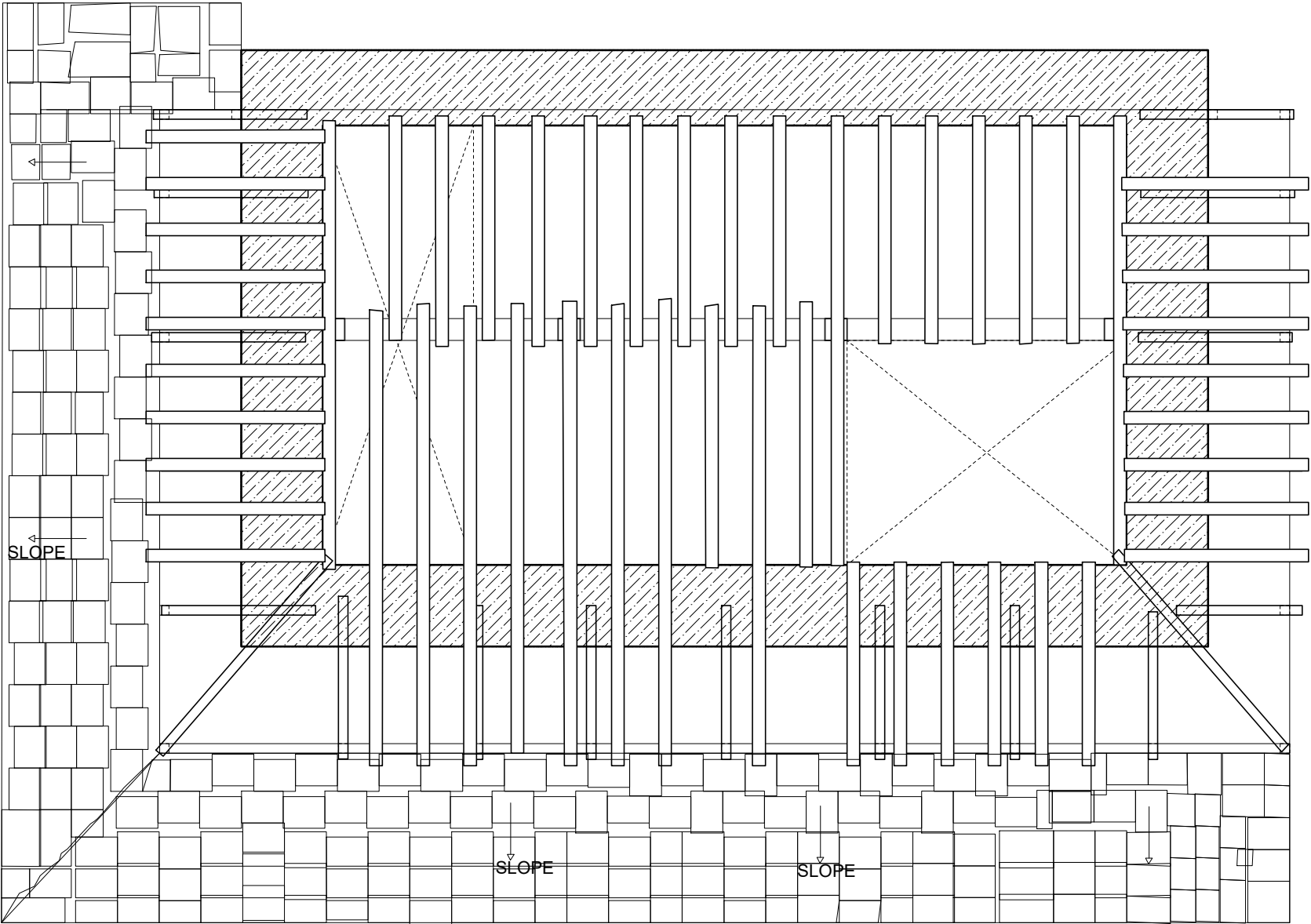
ARCHITECT:

DRAWN BY:

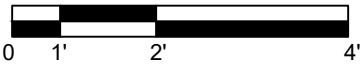
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT1\_(5)



FIRST FLOOR BEAM LAYOUT



INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE:   ARCHITECTURAL DRAWING

CIVIL ENGINEER:

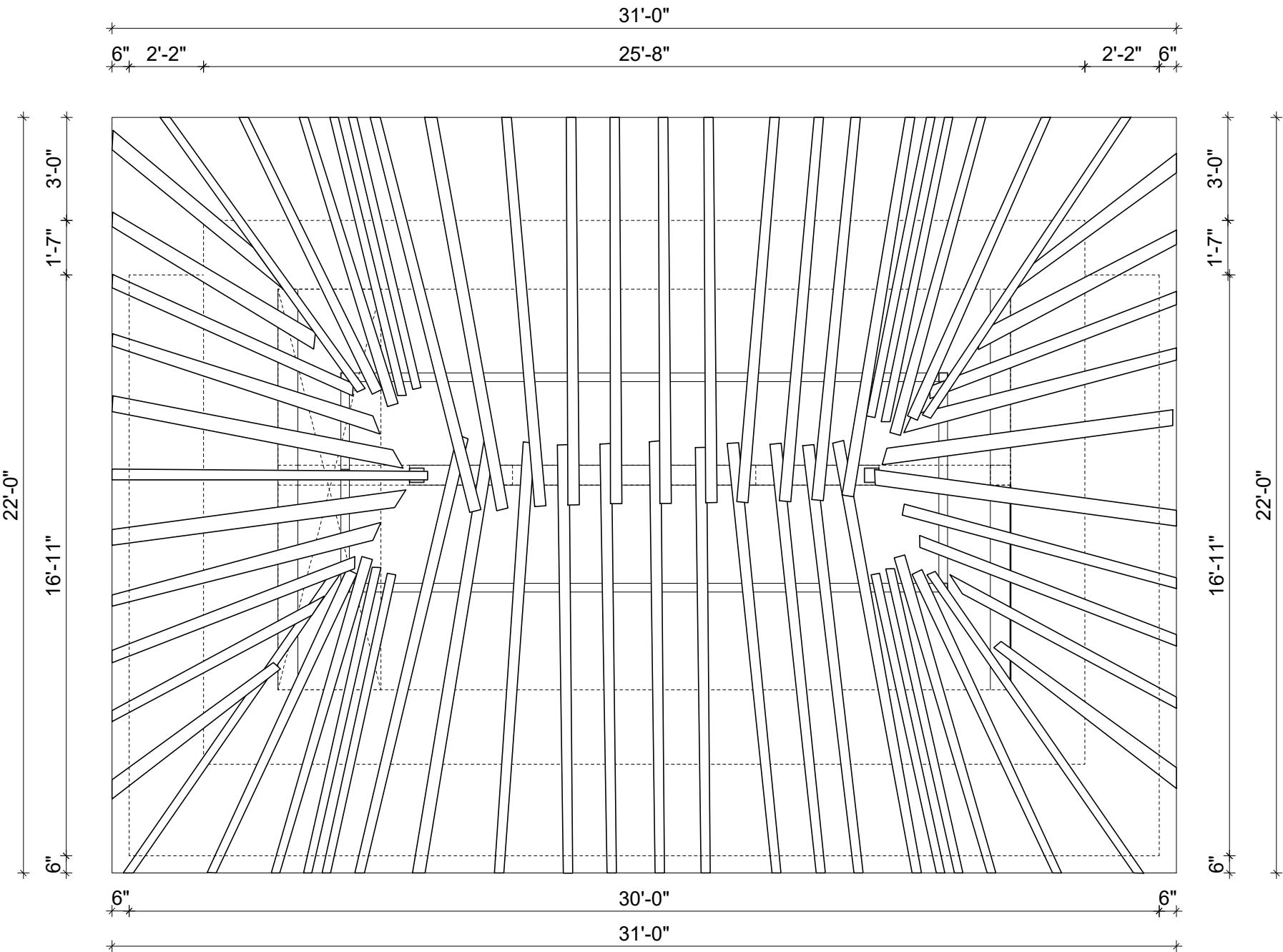
ARCHITECT:

DRAWN BY:

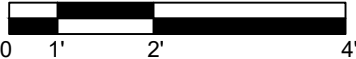
CHECKED BY:

DATE:  
JULY 2025

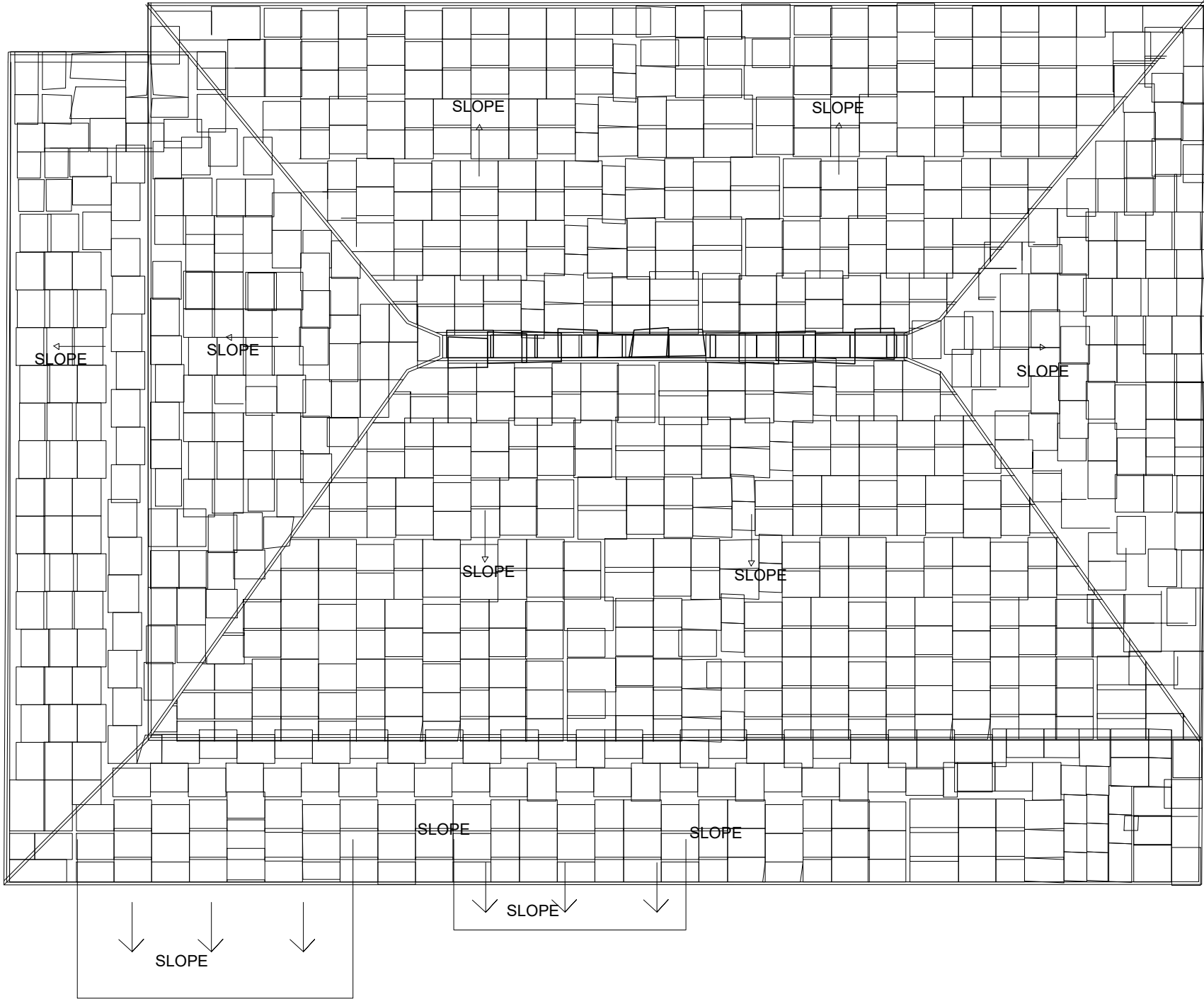
PAGE NUMBER:  
  
BT1\_(6)



ROOF DETAIL







ROOF PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWING

**CIVIL ENGINEER:**

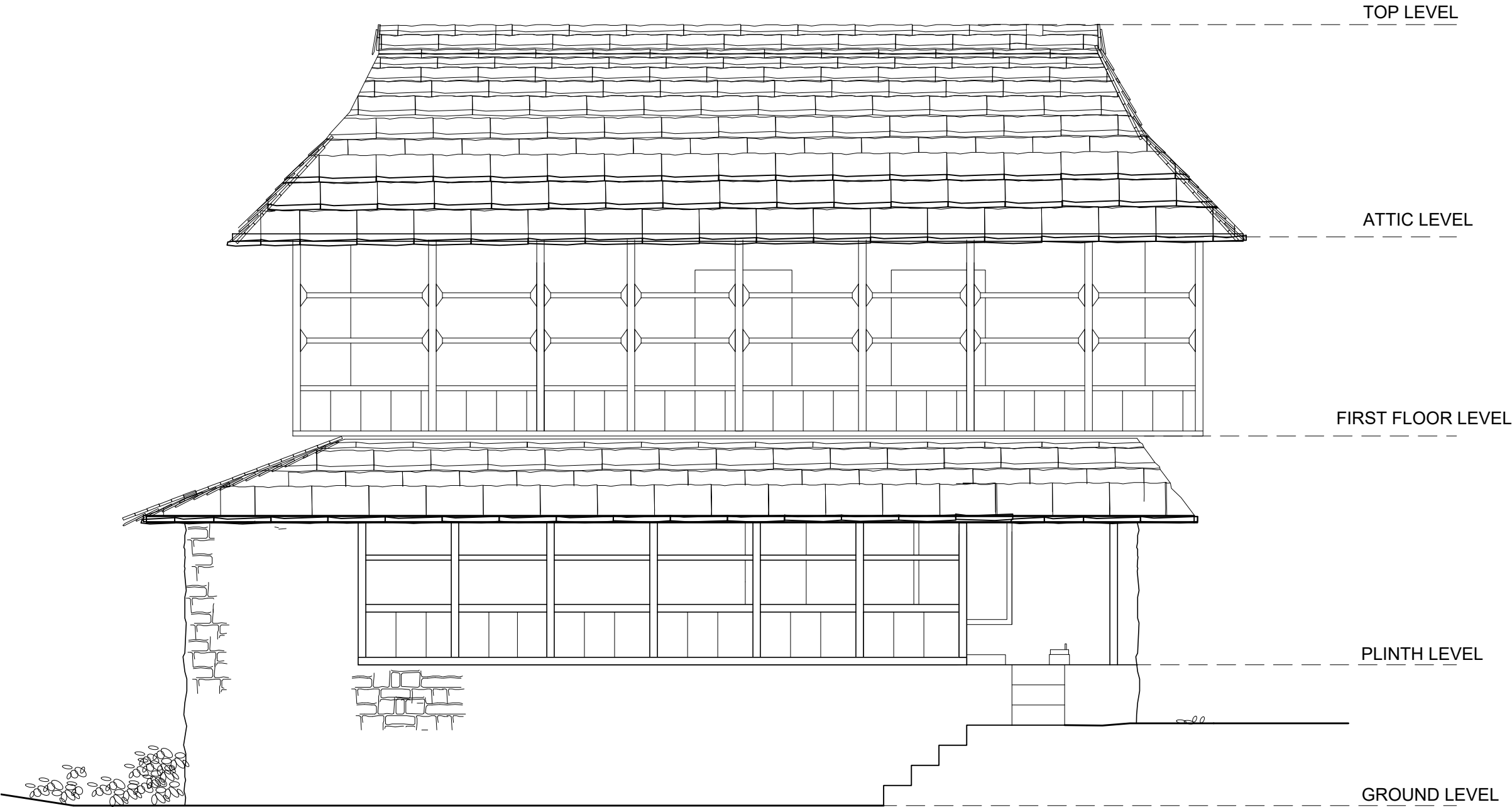
**ARCHITECT:**

**DRAWN BY:**

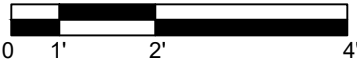
**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT1\_(7)



SOUTH ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWING

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

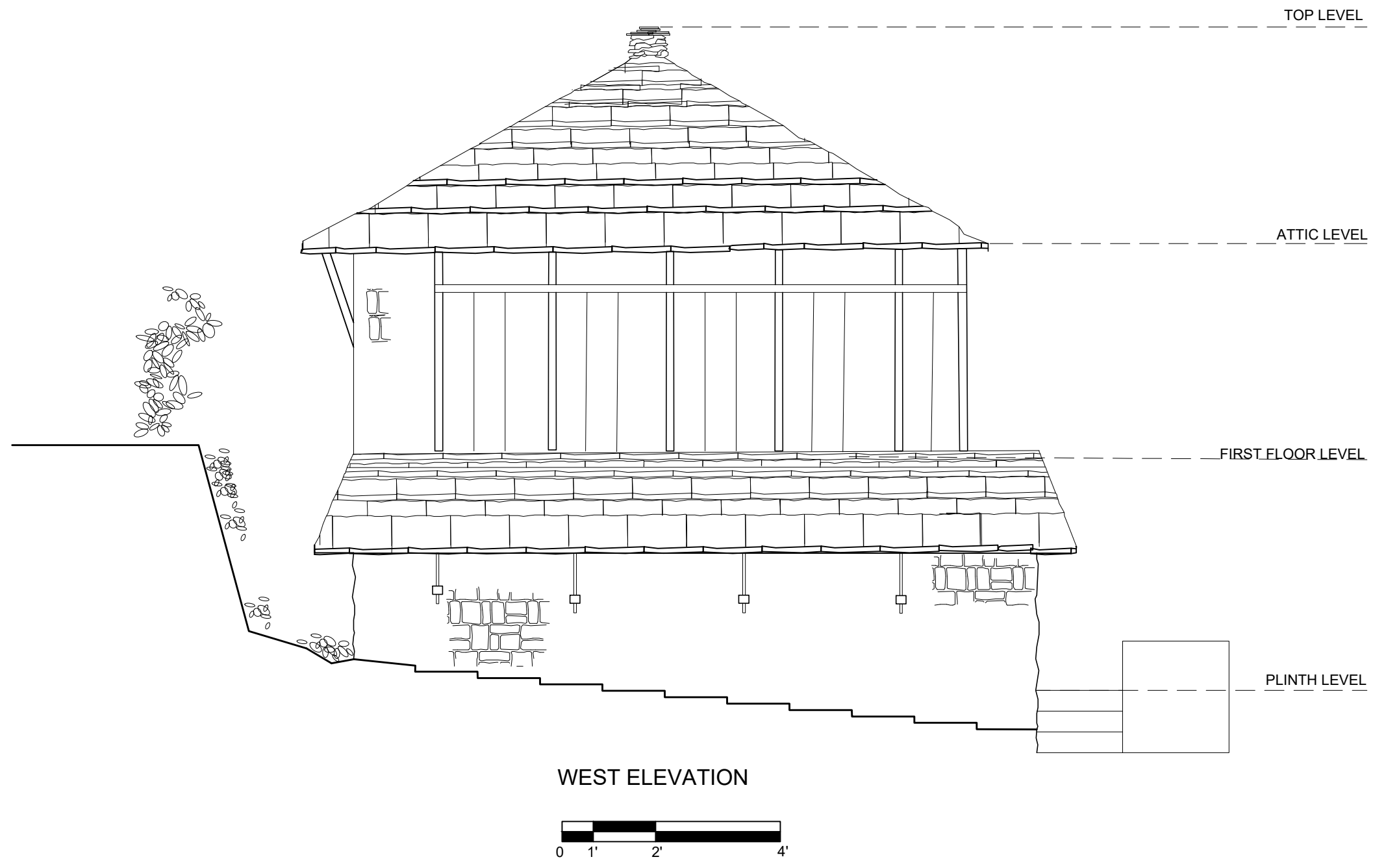
PAGE NUMBER:  
  
BT1\_(8)

<div><div>INNOVATION ENGINEERING ASSOCIATES PVT.LTD.</div><div>Sorakhutte KMC-16, Kathmandu, Nepal</div></div>	
<div>CLIENT:<div>Ministry of urban development urban infrastructure technology research and training centre, Babarmahal, Kathmandu</div></div>	
<div>PROJECT:<div>Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.</div><div>BAGLUNG AND RUKUM EAST, NEPAL</div></div>	
<div>TITLE: ARCHITECTURAL DRAWING</div>	
<div>CIVIL ENGINEER:</div>	
<div>ARCHITECT:</div>	
<div>DRAWN BY:</div>	
<div>CHECKED BY:</div>	
<div>DATE: JULY 2025</div>	<div>PAGE NUMBER: BT1_(9)</div>

EAST ELEVATION

0 1' 2' 4'





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWING

CIVIL ENGINEER:

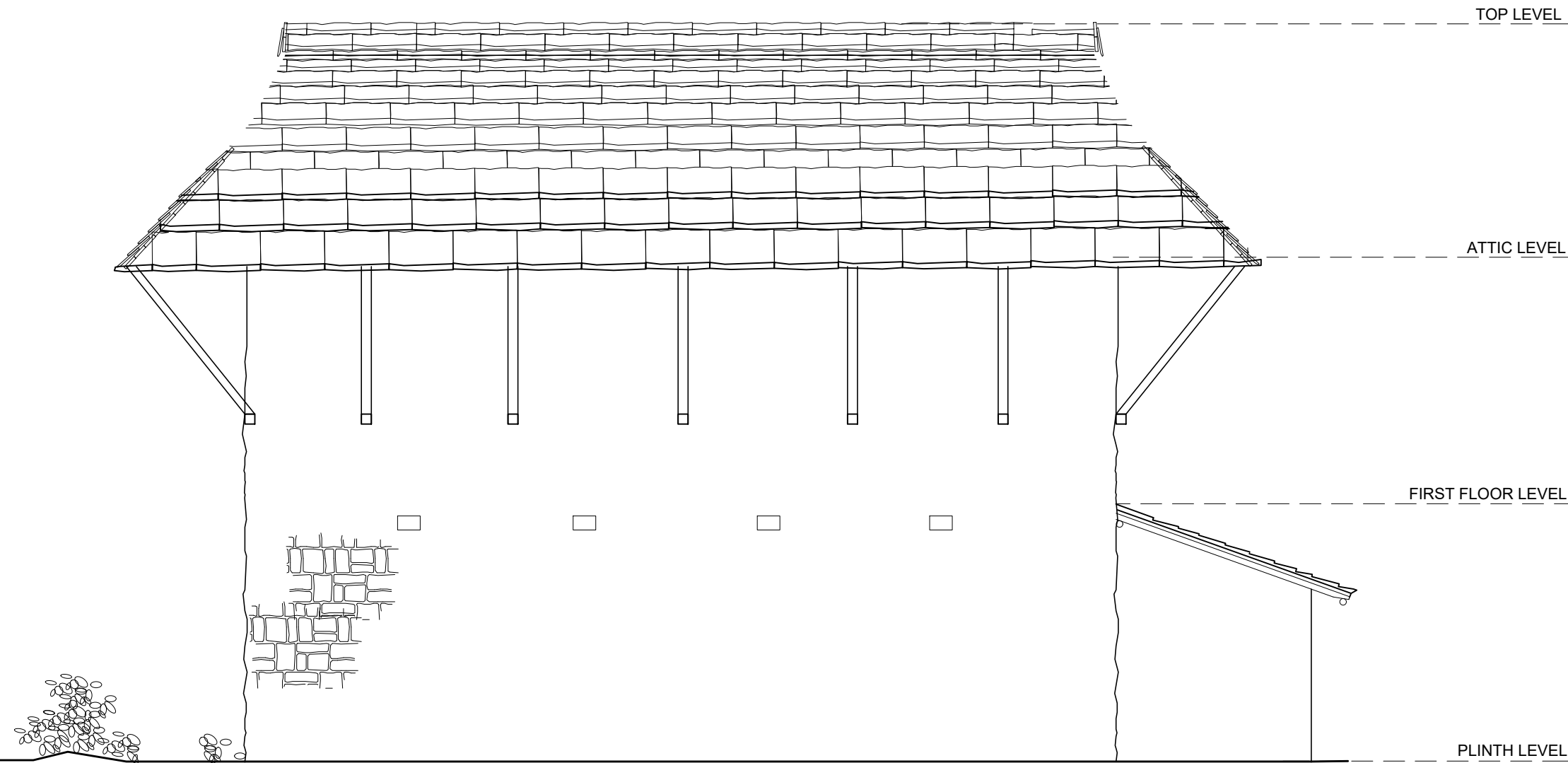
ARCHITECT:

DRAWN BY:

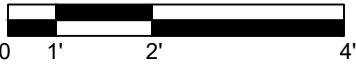
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT1\_(10)



NORTH ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWING

**CIVIL ENGINEER:**

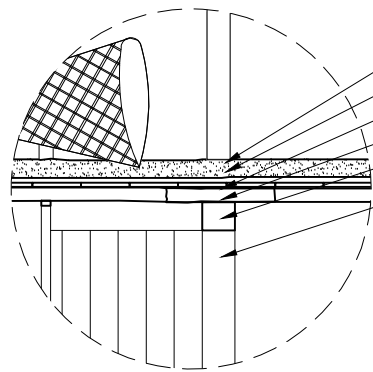
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

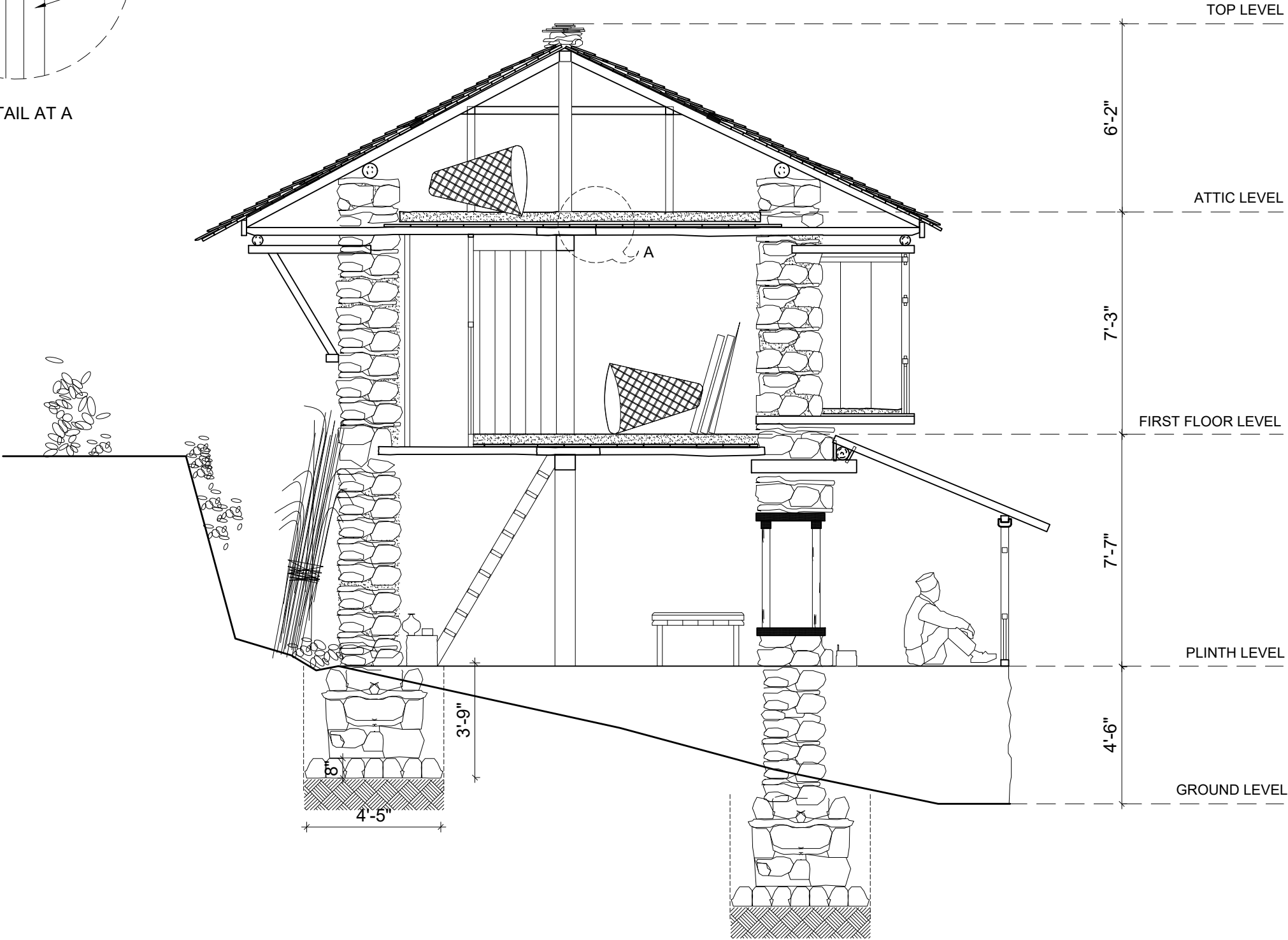
**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT1\_(11)

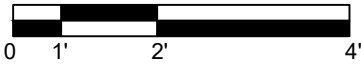


MUD MORTAR (कमेरो माटो)  
MUD SLAB  
BATTENS (भरेई)  
JOIST  
Beam (बीमा)  
POST (थाम)

DETAIL AT A



SECTION AT X-X



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWING

**CIVIL ENGINEER:**

**ARCHITECT:**

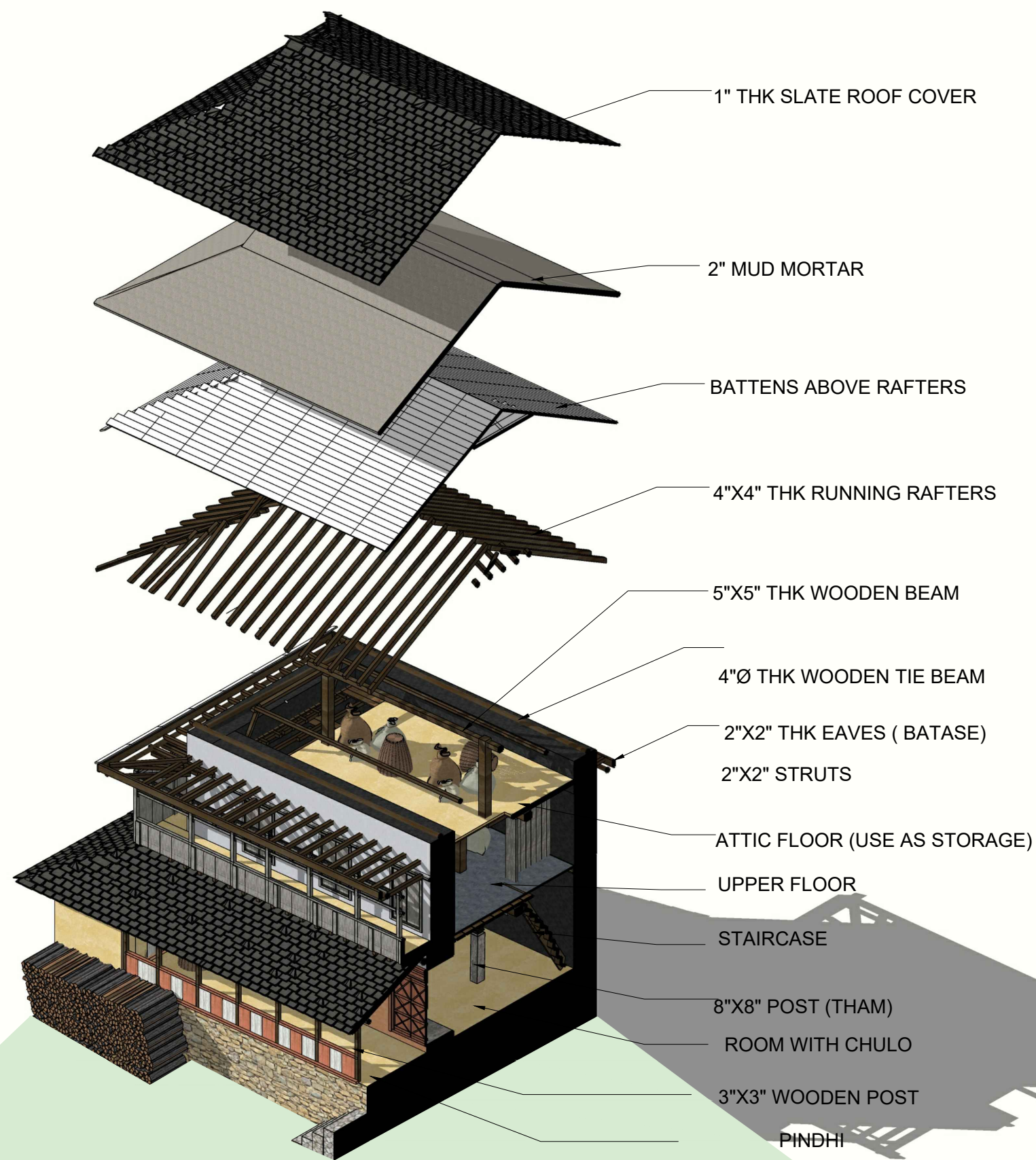
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT1\_(12)





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: 3D

CIVIL ENGINEER:

ARCHITECT:

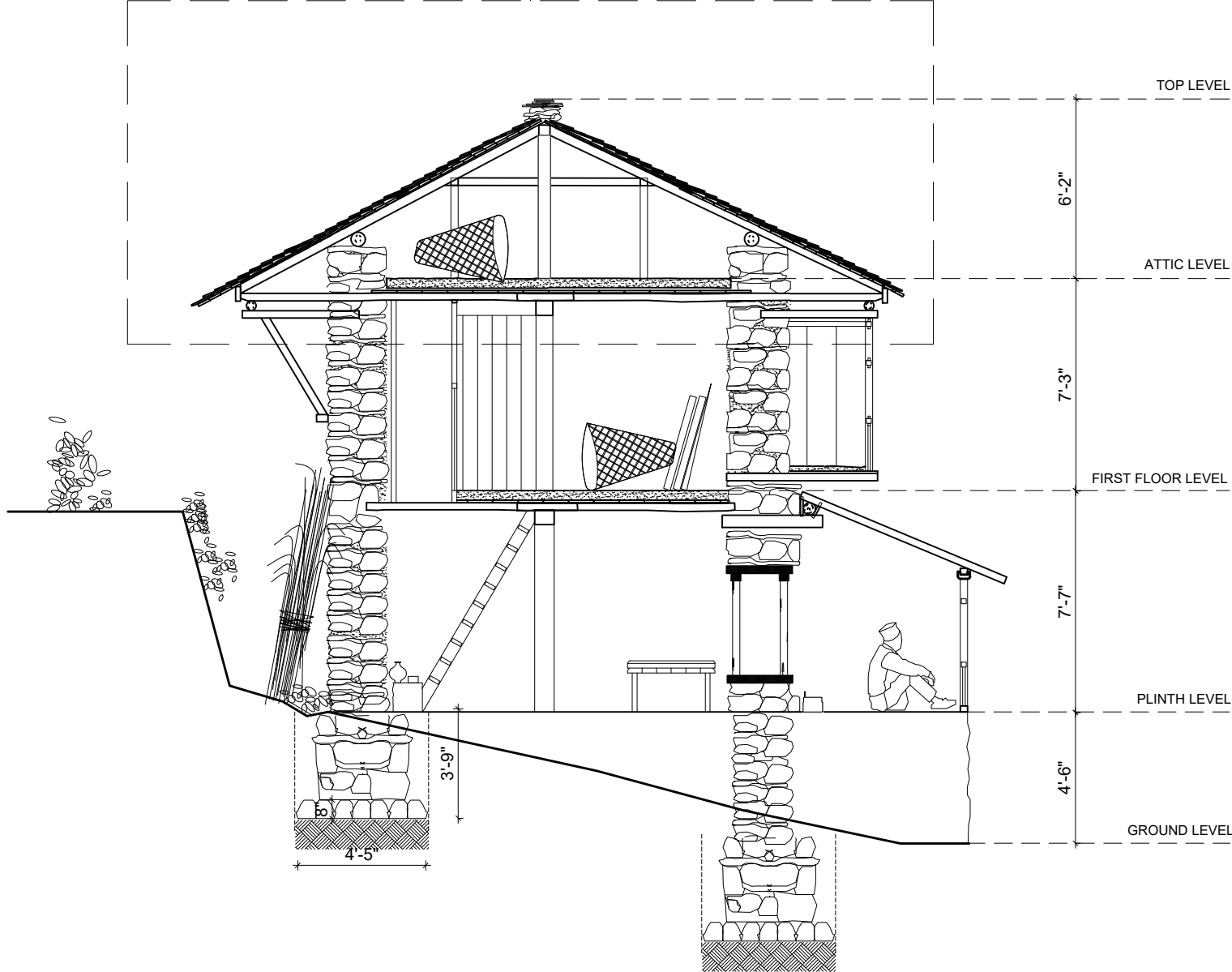
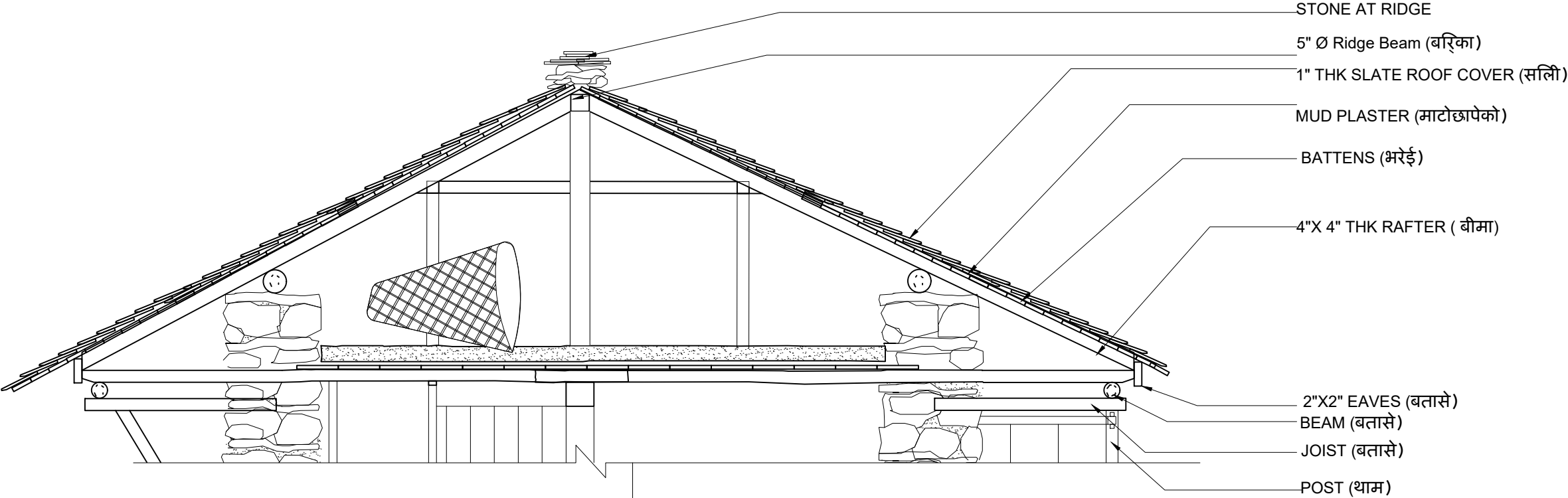
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT1\_(13)

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS



SECTION AT X-X

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ROOD DETAIL

CIVIL ENGINEER:

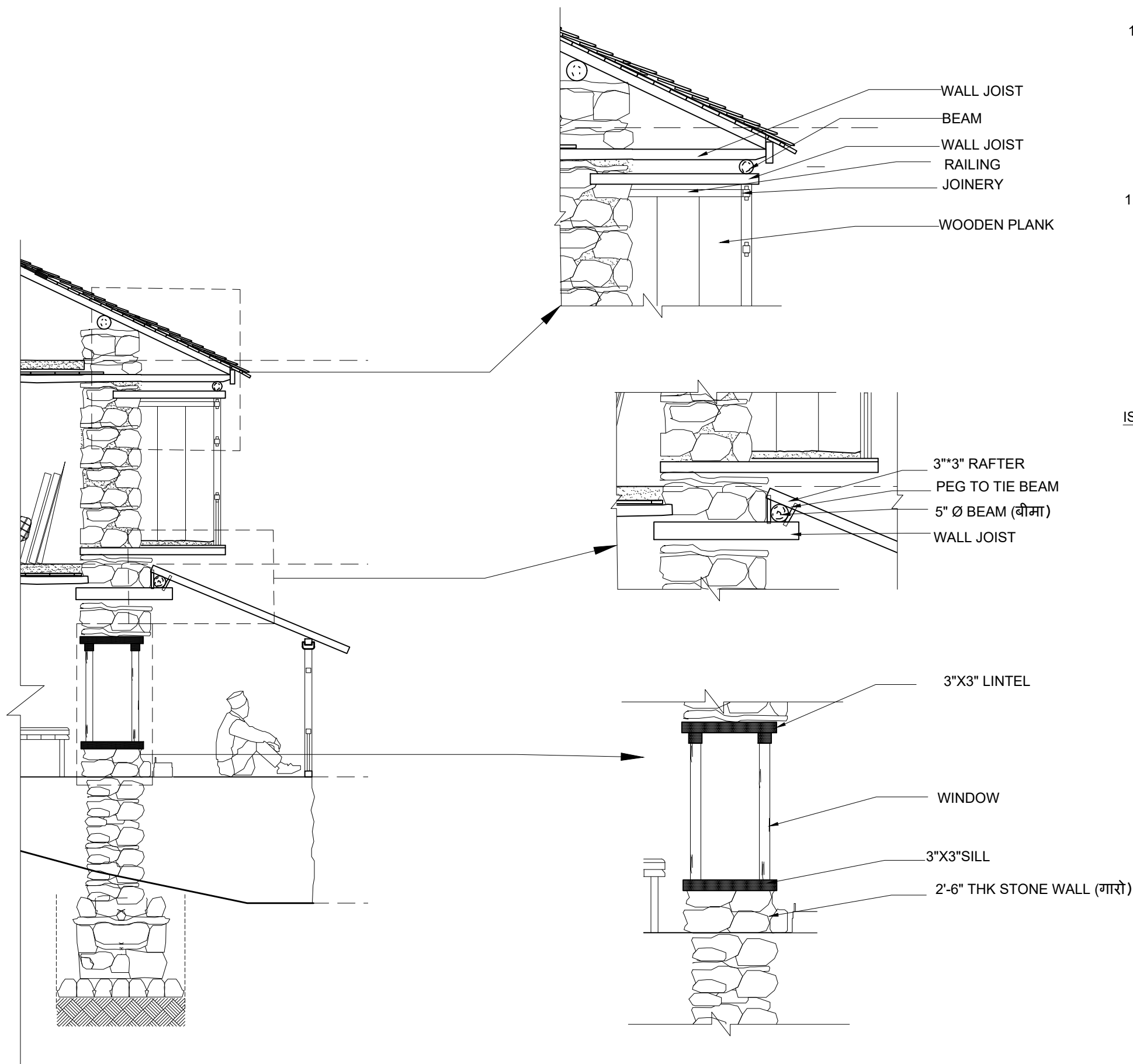
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT1\_(14)



ISSUE IDENTIFICATION ON ROOF:

- 1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material

RECOMMENDATION FOR NEW

- 1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.

ISSUE IDENTIFICATION ON FLOOR:

- 1. High chance of termite infestation (termite attack) in wooden beams, rafters, joists.
- 2. Lack of seasoning in wooden elements.

RECOMMENDATION FOR NEW

- 1. Treatment of all structural timber with appropriate anti-termite chemicals before installation.

INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: WALL SECTION

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

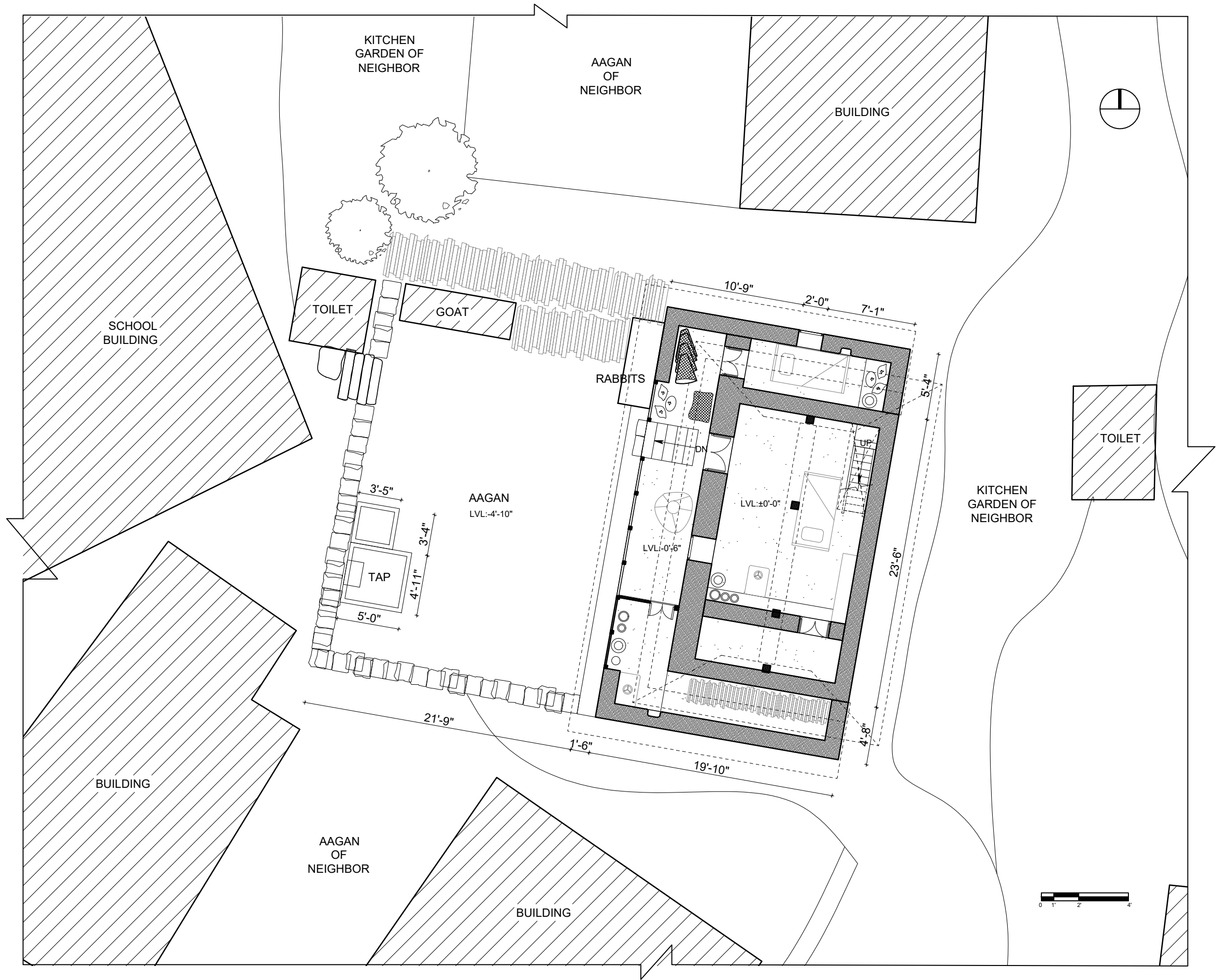
PAGE NUMBER:  
BT1\_(15)

# ARCHITECTURAL DRAWINGS

## TAMAN-II, BAGLUNG

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT2_00
2	GROUND FLOOR PLAN	BT2_1
3	GROUND FLOOR BEAM LAYOUT	BT2_2
4	FIRST FLOOR PLAN	BT2_3
5	FIRST FLOOR BEAM LAYOUT PLAN	BT2_4
6	RAFTER LAYOUT PLAN	BT2_5
7	ROOF PLAN	BT2_6
8	ELEVATION	BT2_7
9	ELEVATION	BT2_8
10	ELEVATION	BT2_9
11	ELEVATION	BT2_10
12	SECTION	BT2_11
13	3D	BT2_12
14	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT2_13
15	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT2_14

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU



SITE PLAN

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

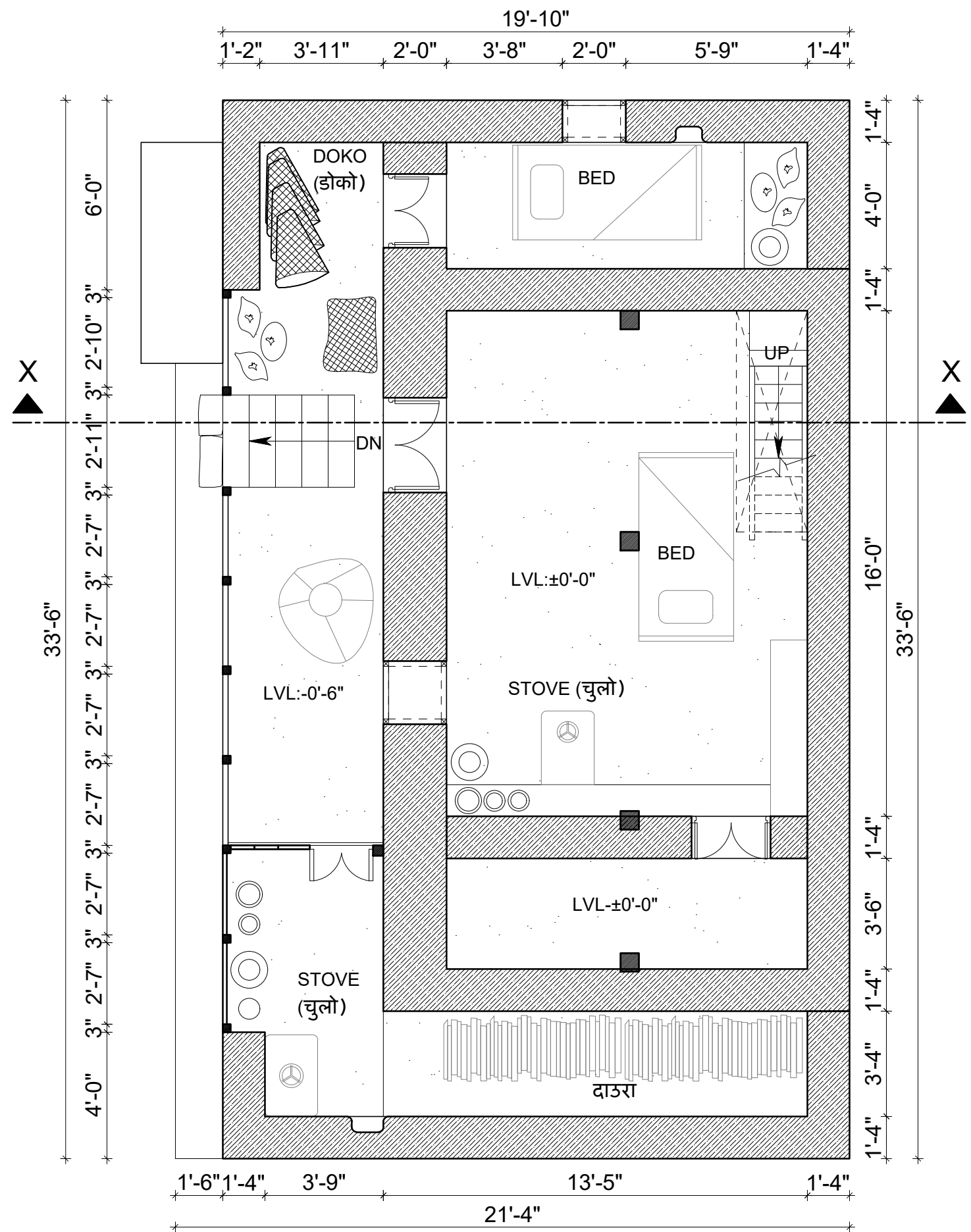
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT2\_00



GROUND FLOOR PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**

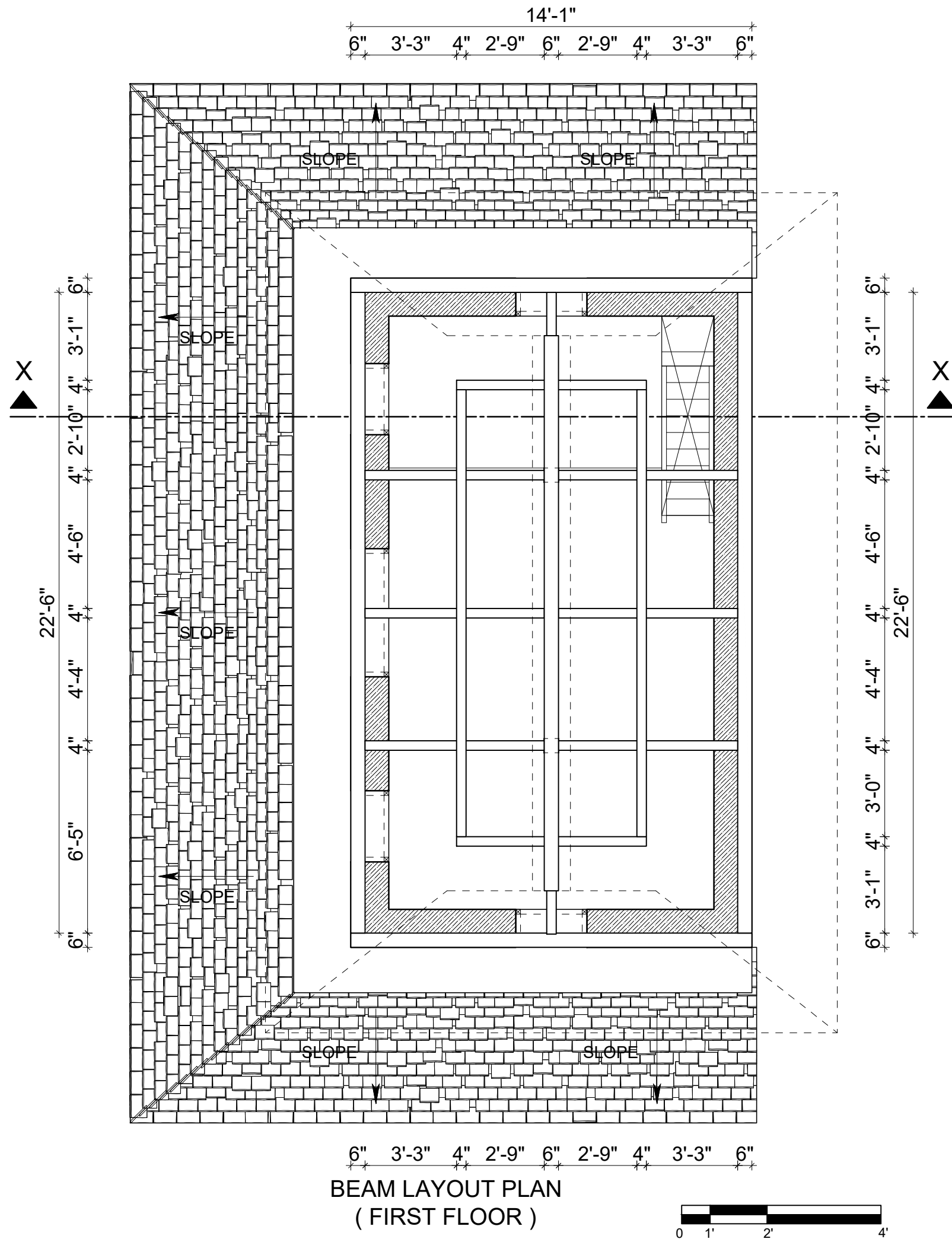
BT2\_A1











**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

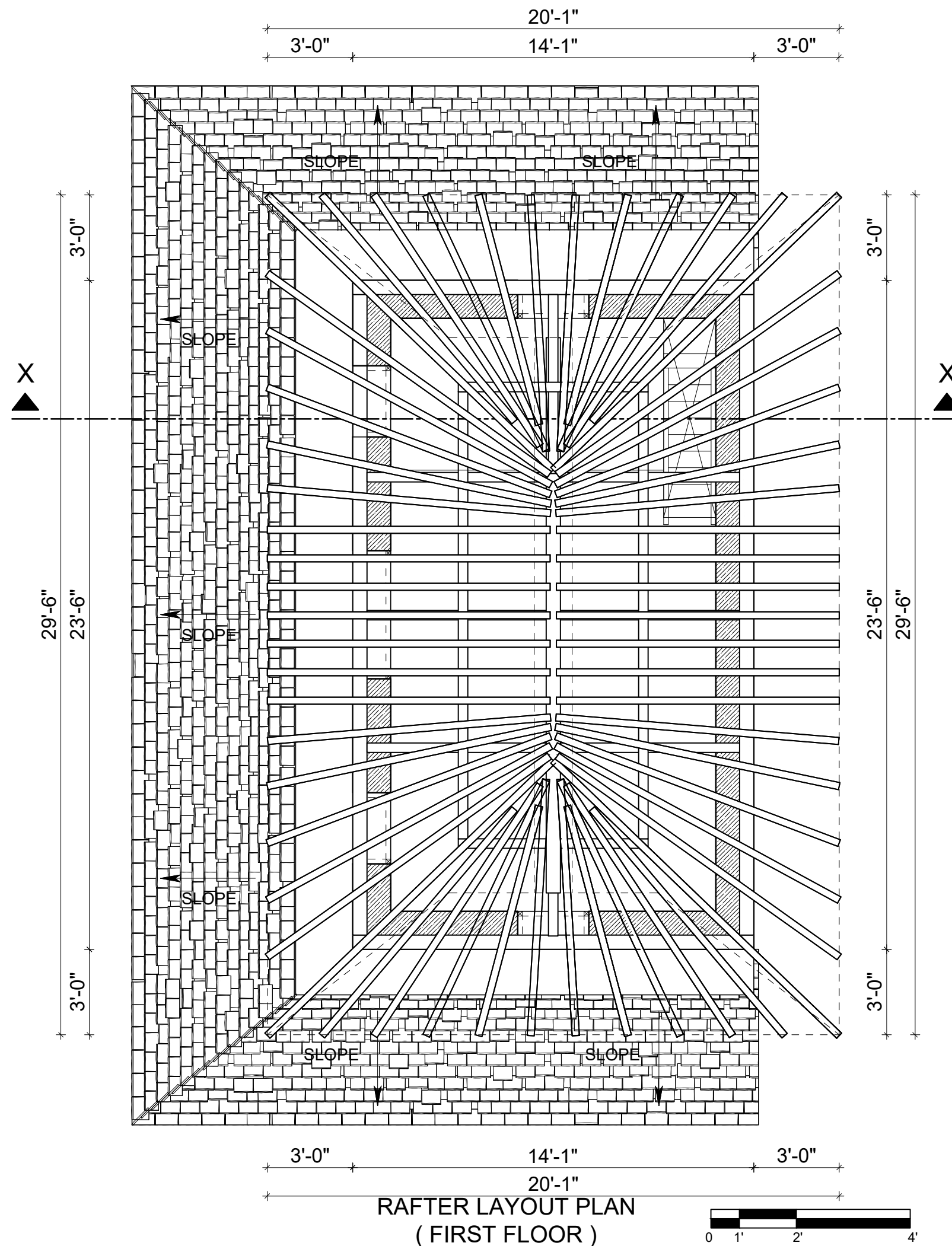
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT2\_A4



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

**Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.**

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

ARCHITECT:

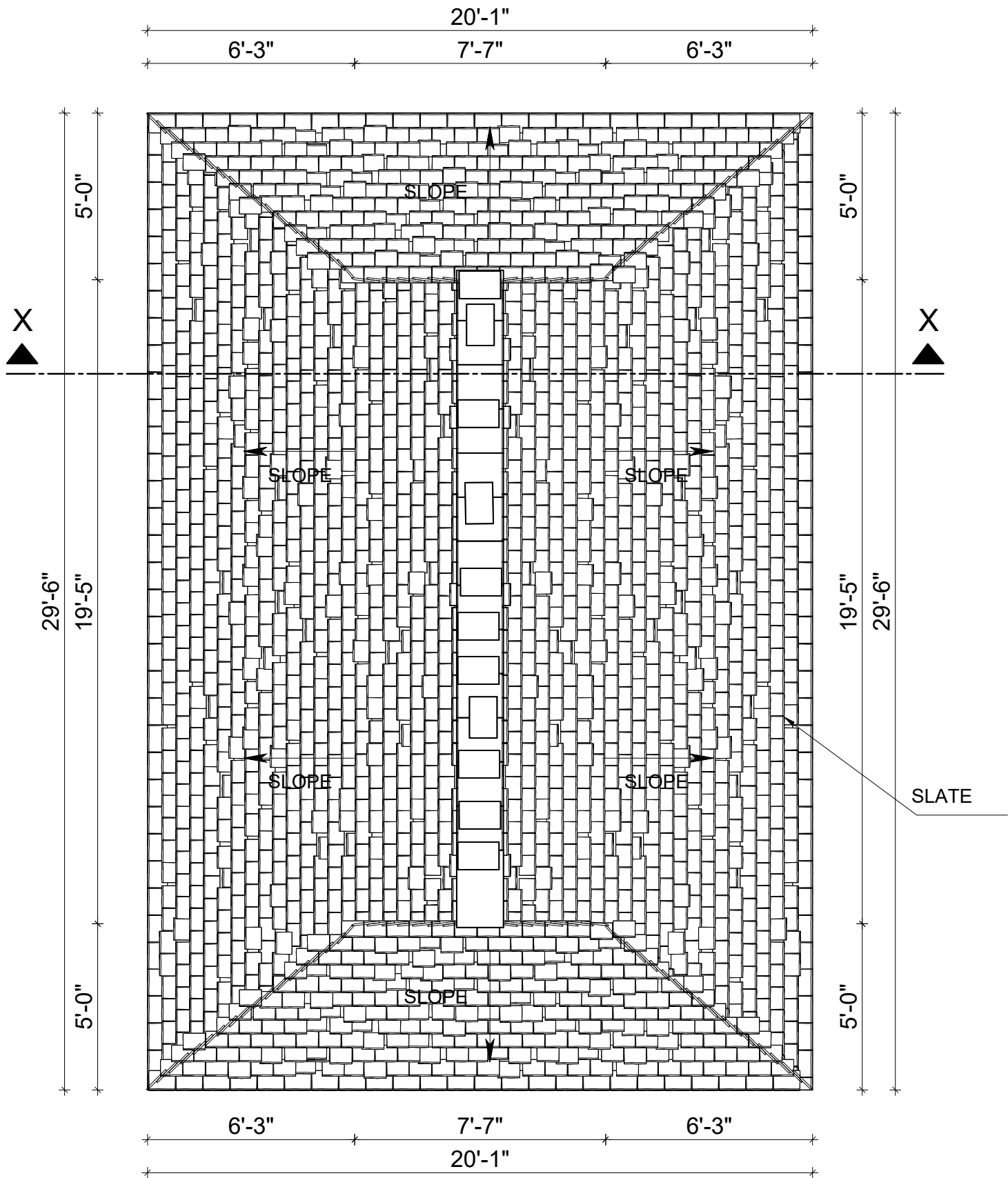
DRAWN BY:

CHECKED BY:

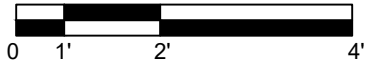
DATE:  
JULY 2025

PAGE NUMBER:

BT2\_A5



ROOF PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

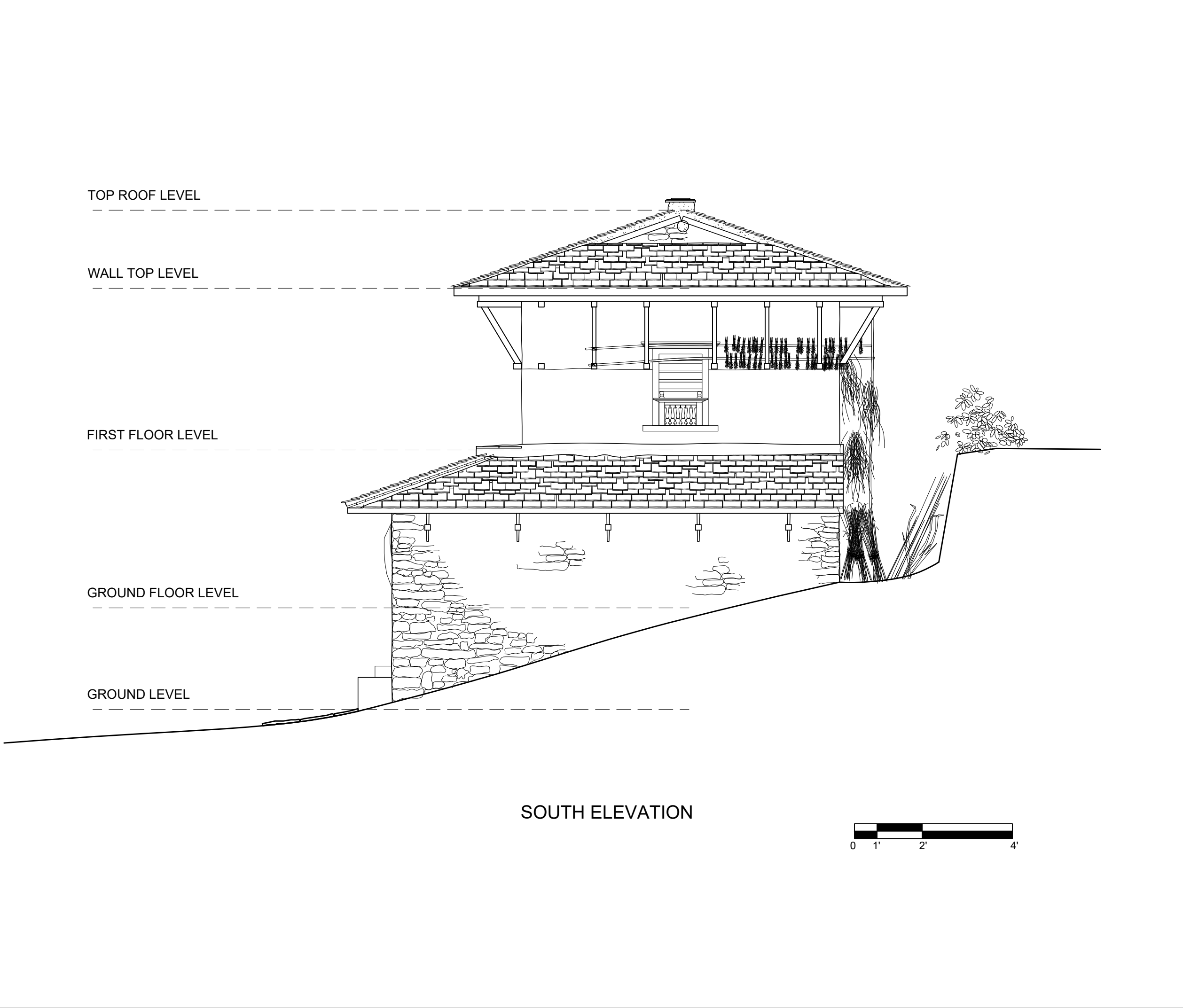
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT2\_A6



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

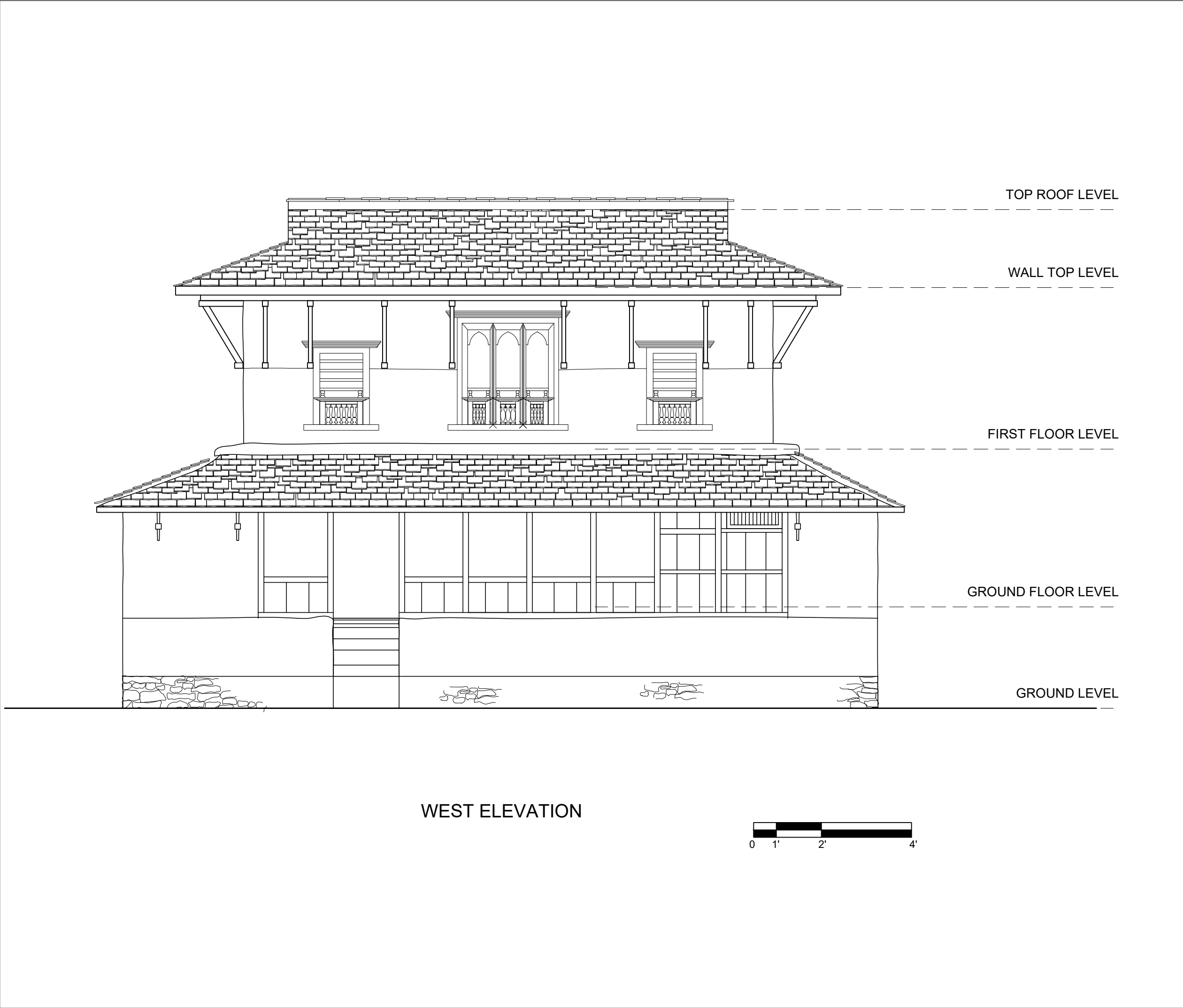
**ARCHITECT:**

**DRAWN BY:**

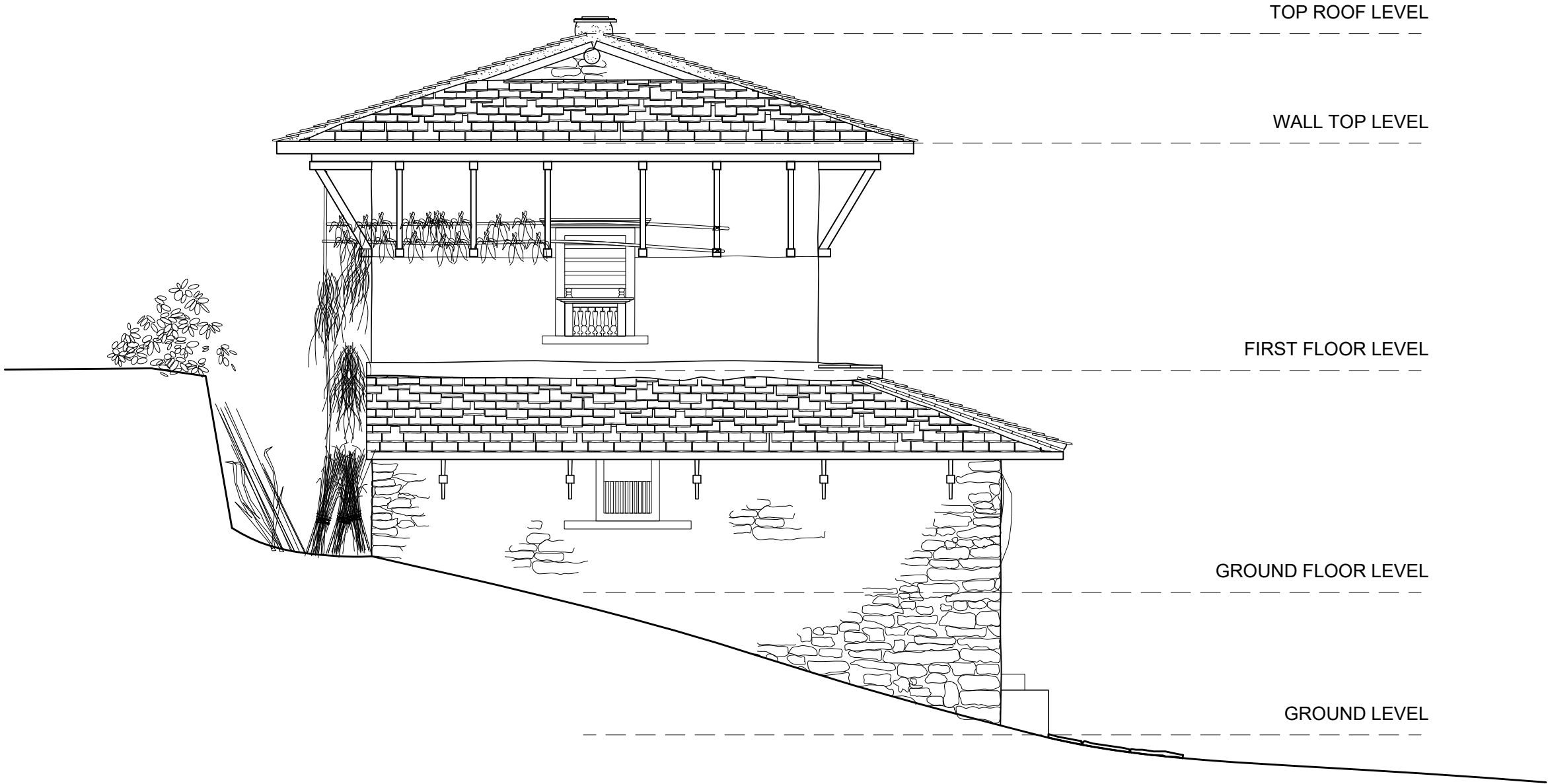
**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT2\_A7



<b>INNOVATION ENGINEERING ASSOCIATES PVT.LTD.</b>	
Sorakhutte KMC-16, Kathmandu, Nepal	
CLIENT: Ministry of urban development urban infrastructure technology research and training centre, Babarmahal, Kathmandu	
PROJECT: Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.	
BAGLUNG AND RUKUM EAST, NEPAL	
TITLE: ARCHITECTURAL DRAWINGS	
CIVIL ENGINEER:	
ARCHITECT:	
DRAWN BY:	
CHECKED BY:	
DATE: JULY 2025	PAGE NUMBER: BT2_A8



NORTH ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

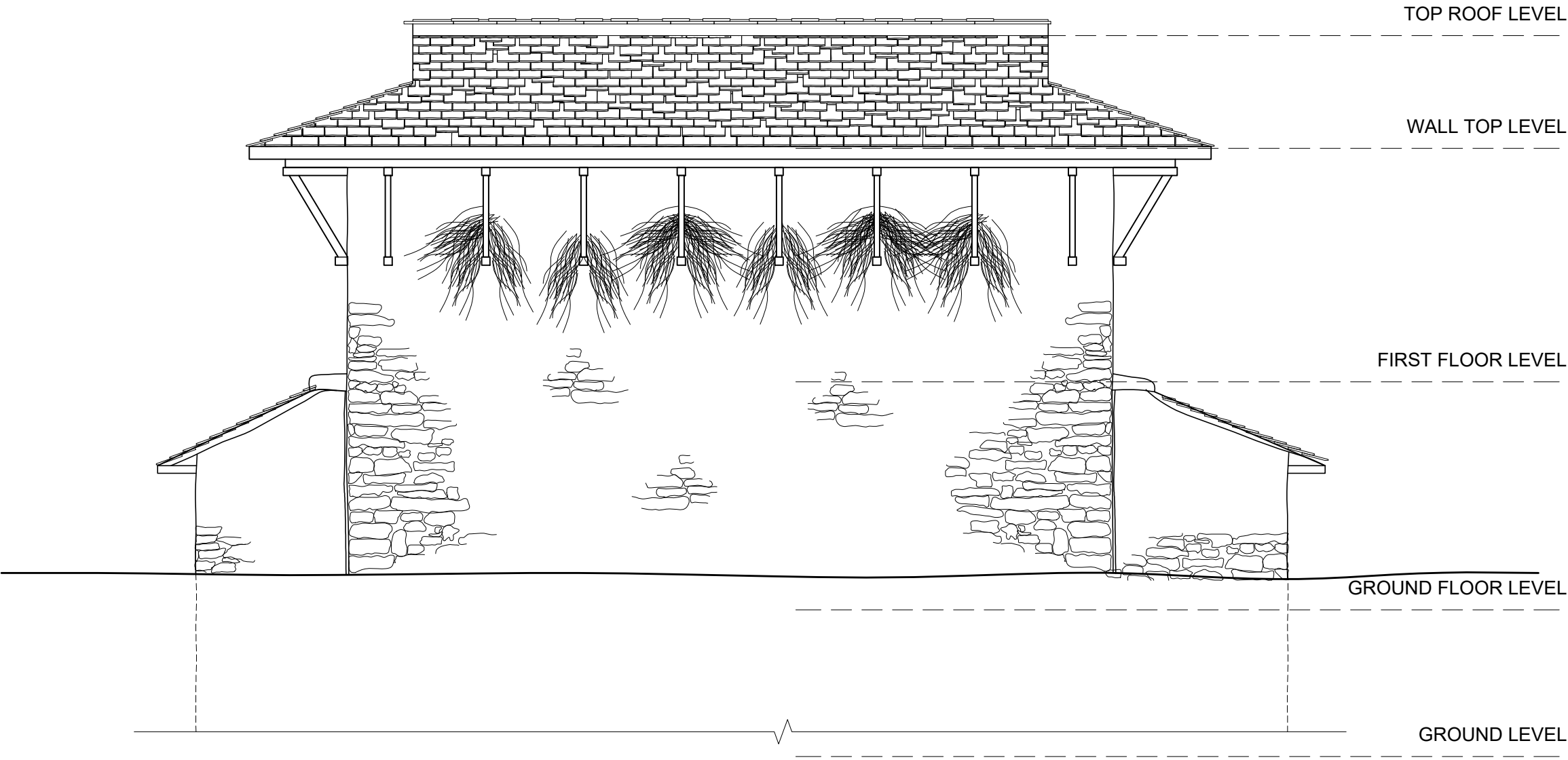
**ARCHITECT:**

**DRAWN BY:**

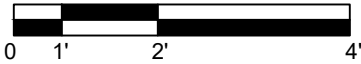
**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT2\_A9



WEST ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

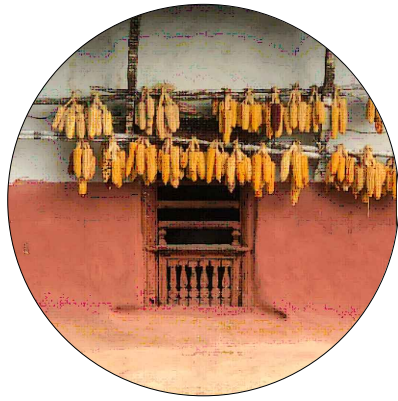
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT2\_A10





TOP ROOF LEVEL

WALL TOP LEVEL

FIRST FLOOR LEVEL

GROUND FLOOR LEVEL

GROUND LEVEL

3'-6"

7'-2"

7'-0"

4'-6"

RAMMED EARTH  
STONE SOLING

SECTION AT X-X



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

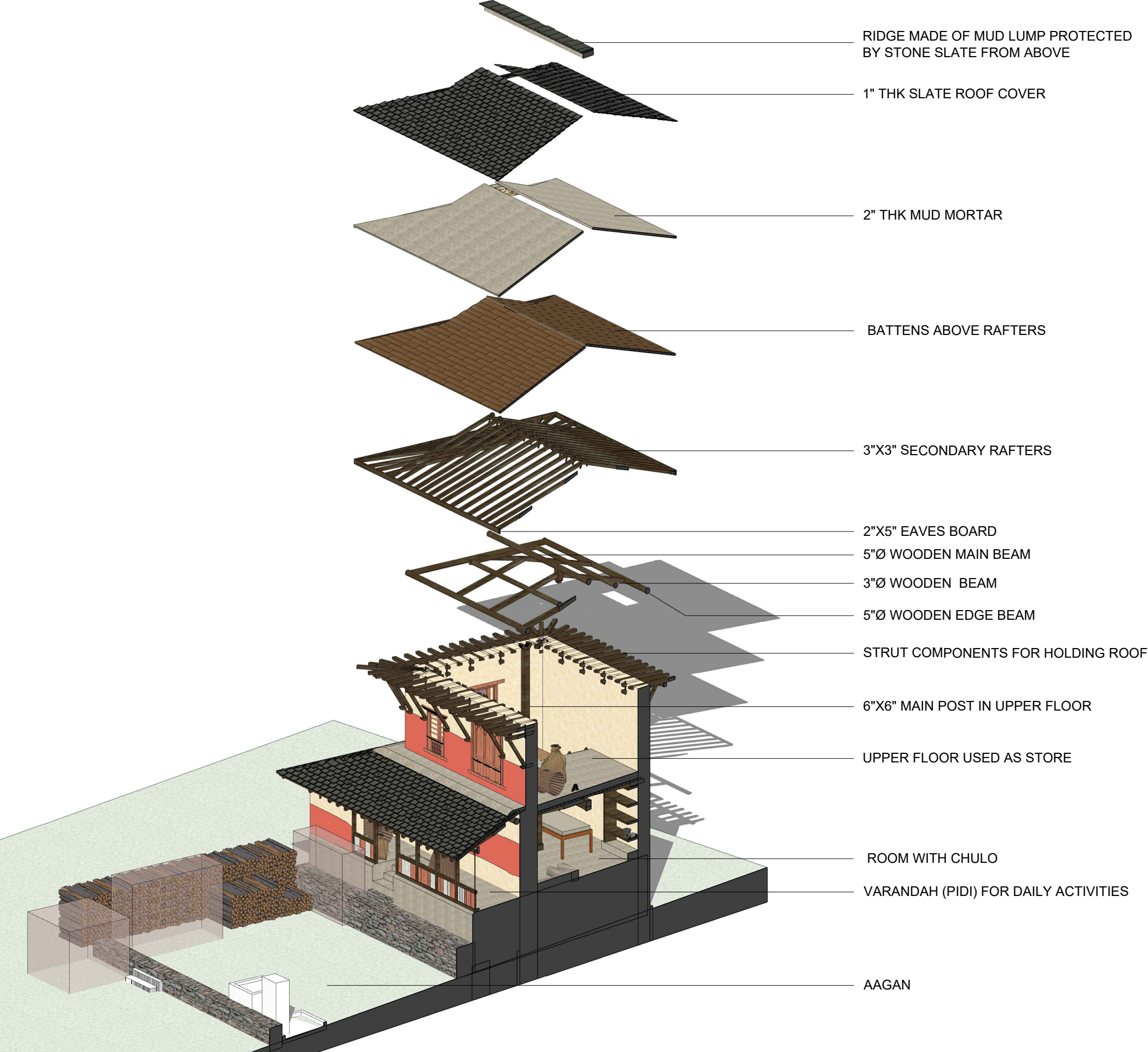
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT2\_A11



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS  
( 3D SECTIONAL DETAILS)

**CIVIL ENGINEER:**

**ARCHITECT:**

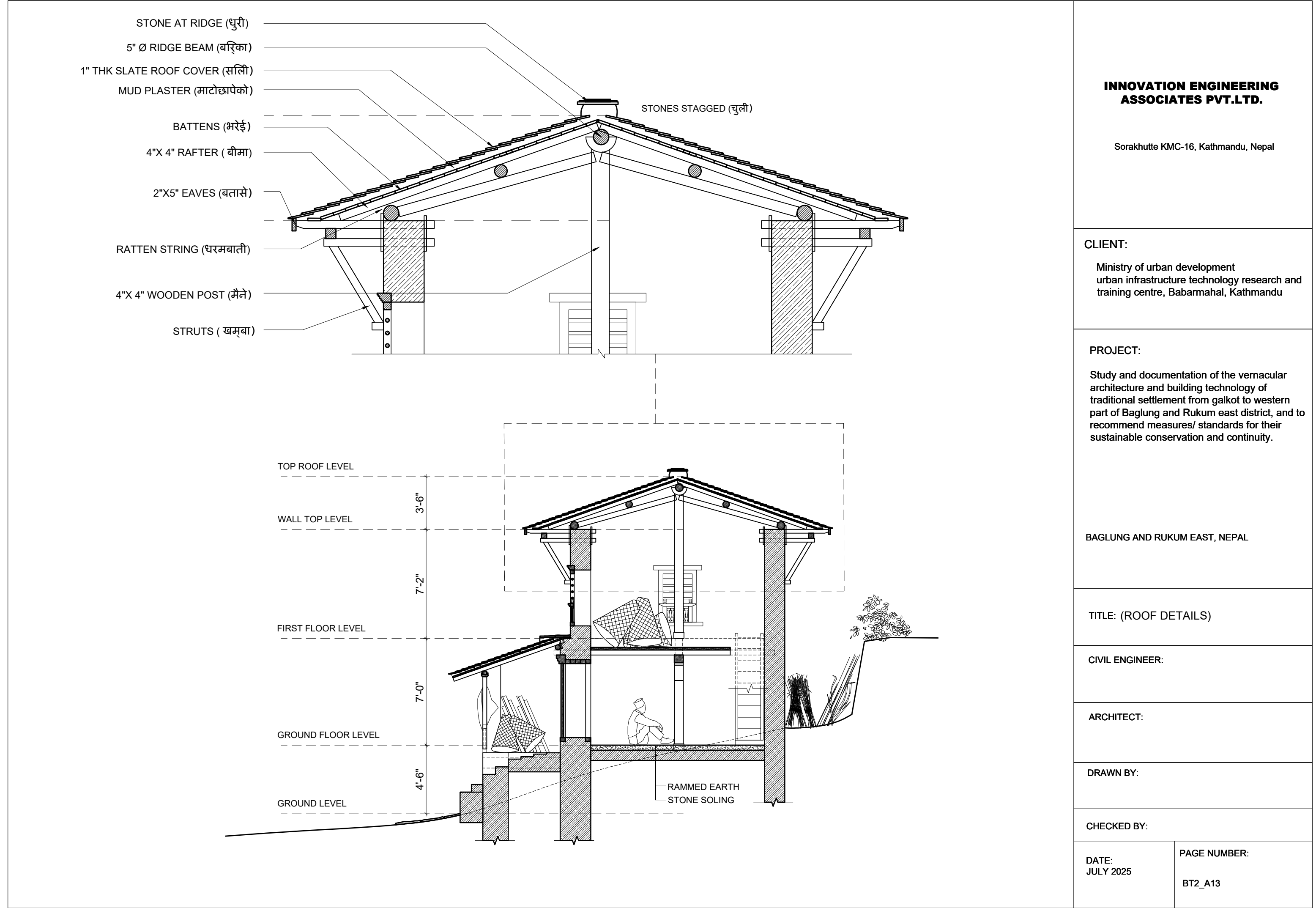
**DRAWN BY:**

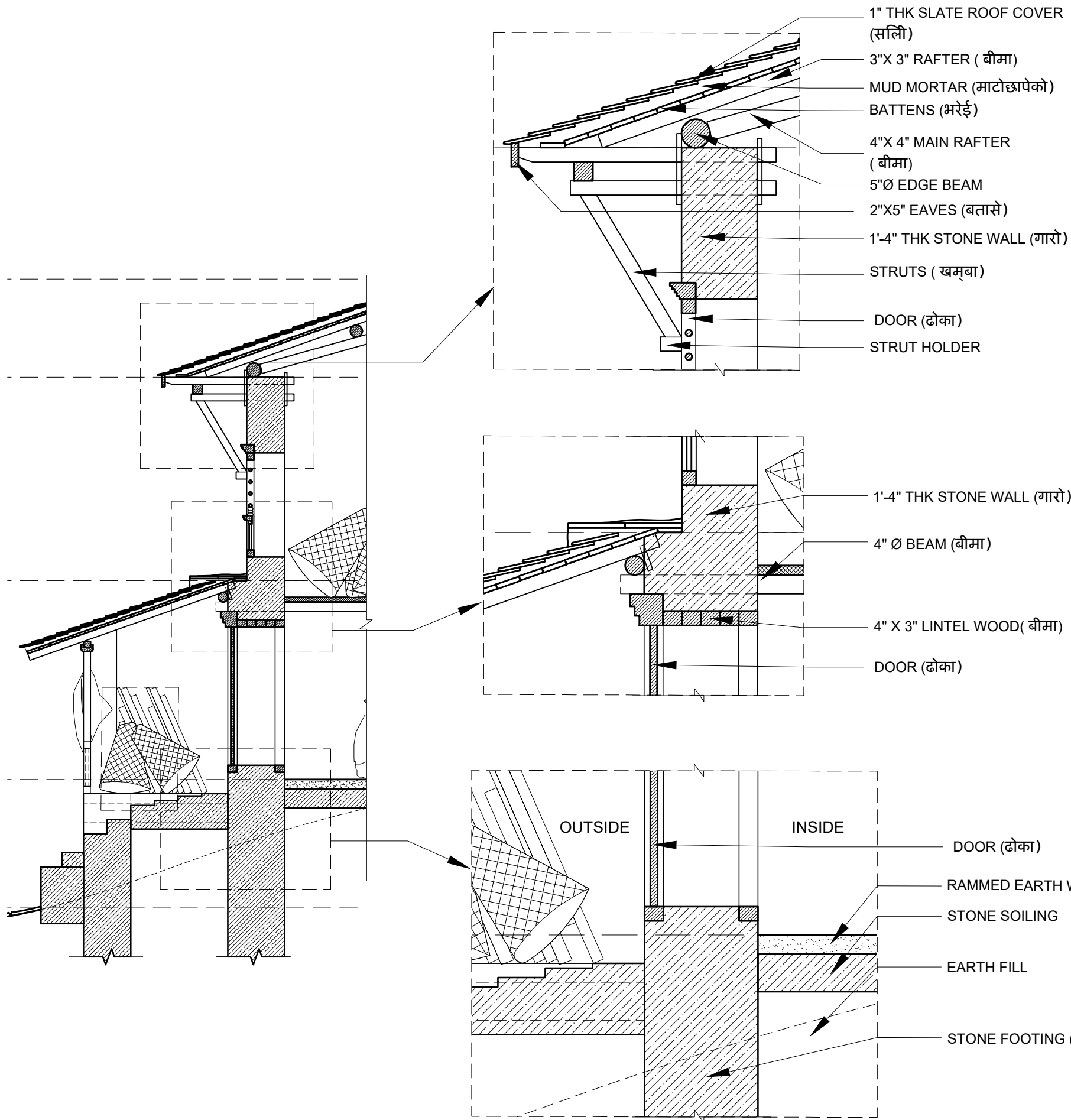
**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT2\_A12

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS





ISSUE IDENTIFICATION ON ROOF:

1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material

RECOMMENDATION FOR NEW

1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.

ISSUE IDENTIFICATION ON FIRST FLOOR:

1. Dust and dirt issues.
2. Floor vibrating issue during human movements.

RECOMMENDATION FOR NEW

1. Use of wooden planks on upper floor will reduce the regular maintenance like that of mud flooring.
2. Placing wooden joists closer and uniformly will help in reduce the vibration of the upper floor structure.

INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: (WALL DETAILS)

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT2\_A14

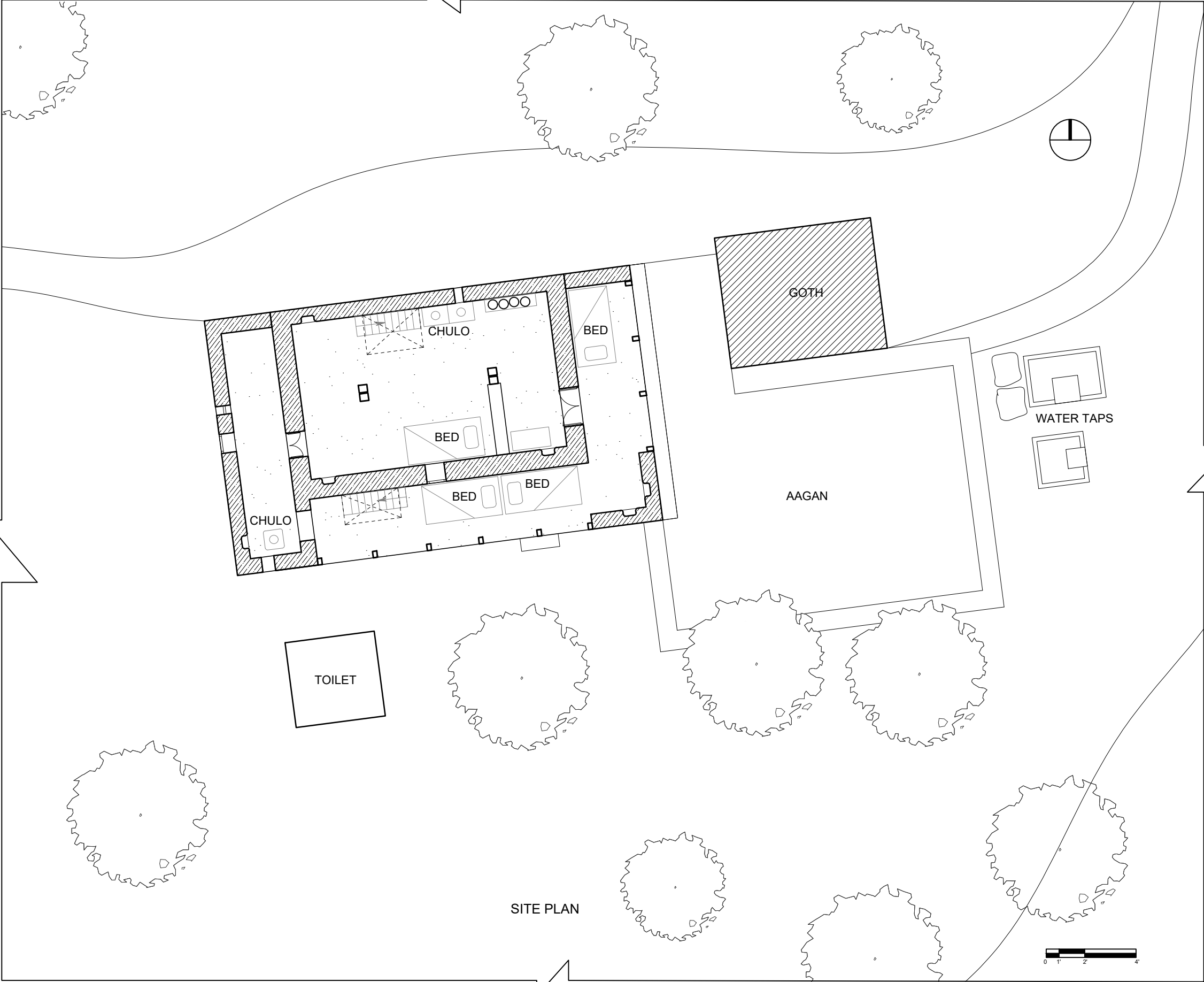
# ARCHITECTURAL DRAWINGS

## TALLOBENGRI, BAGLUNG

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT3_00
2	GROUND FLOOR PLAN	BT3_1
3	GROUND FLOOR BEAM LAYOUT PLAN	BT3_2
4	FIRST FLOOR PLAN	BT3_3
5	FIRST FLOOR BEAM LAYOUT PLAN	BT3_4
6	ROOF PLAN	BT3_5
7	ELEVATION	BT3_6
8	ELEVATION	BT3_7
9	ELEVATION	BT3_8
10	ELEVATION	BT3_9
11	SECTION	BT3_10
12	3D	BT3_11
13	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT3_12
14	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT3_13

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU





SITE PLAN

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

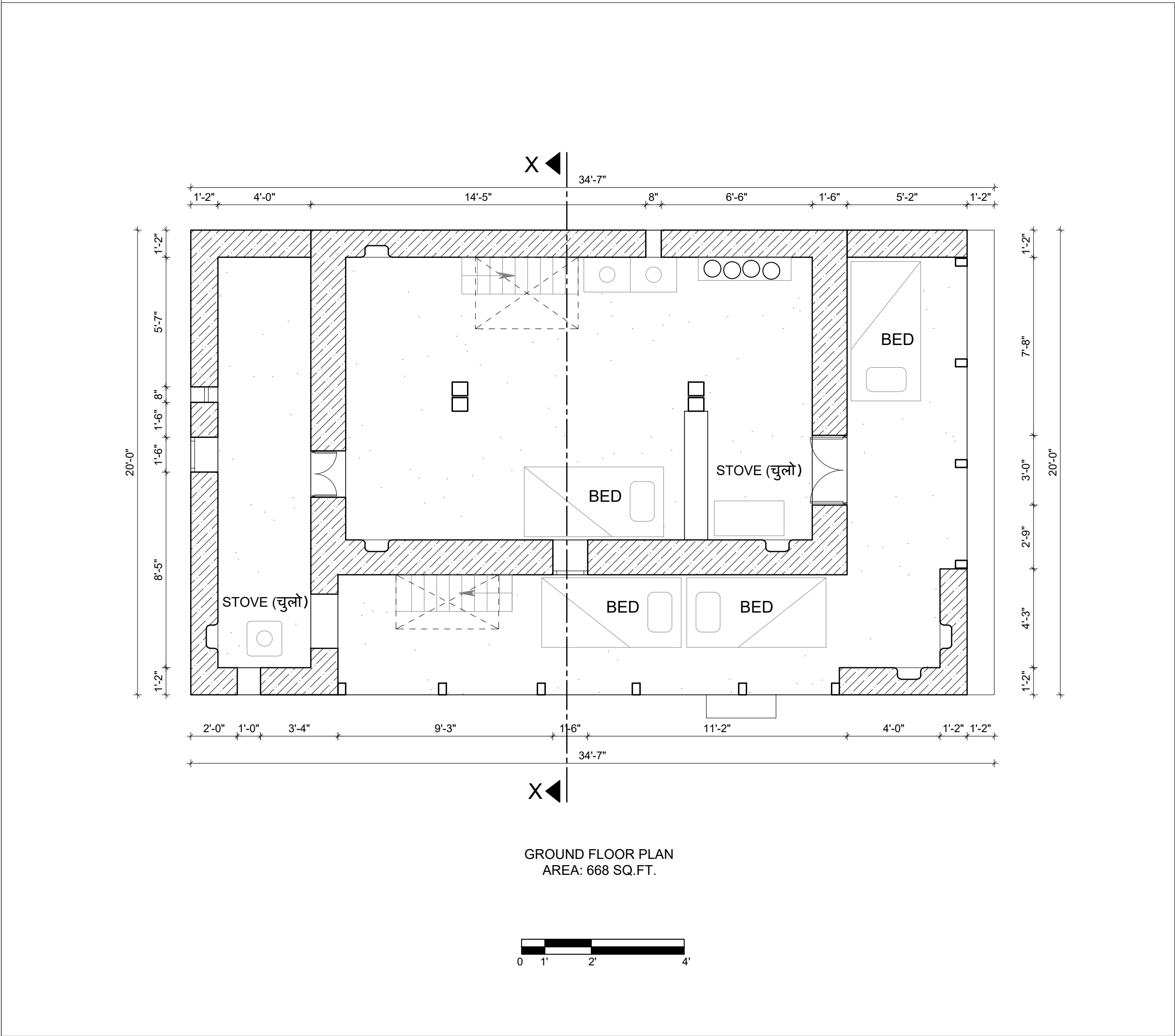
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_00



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

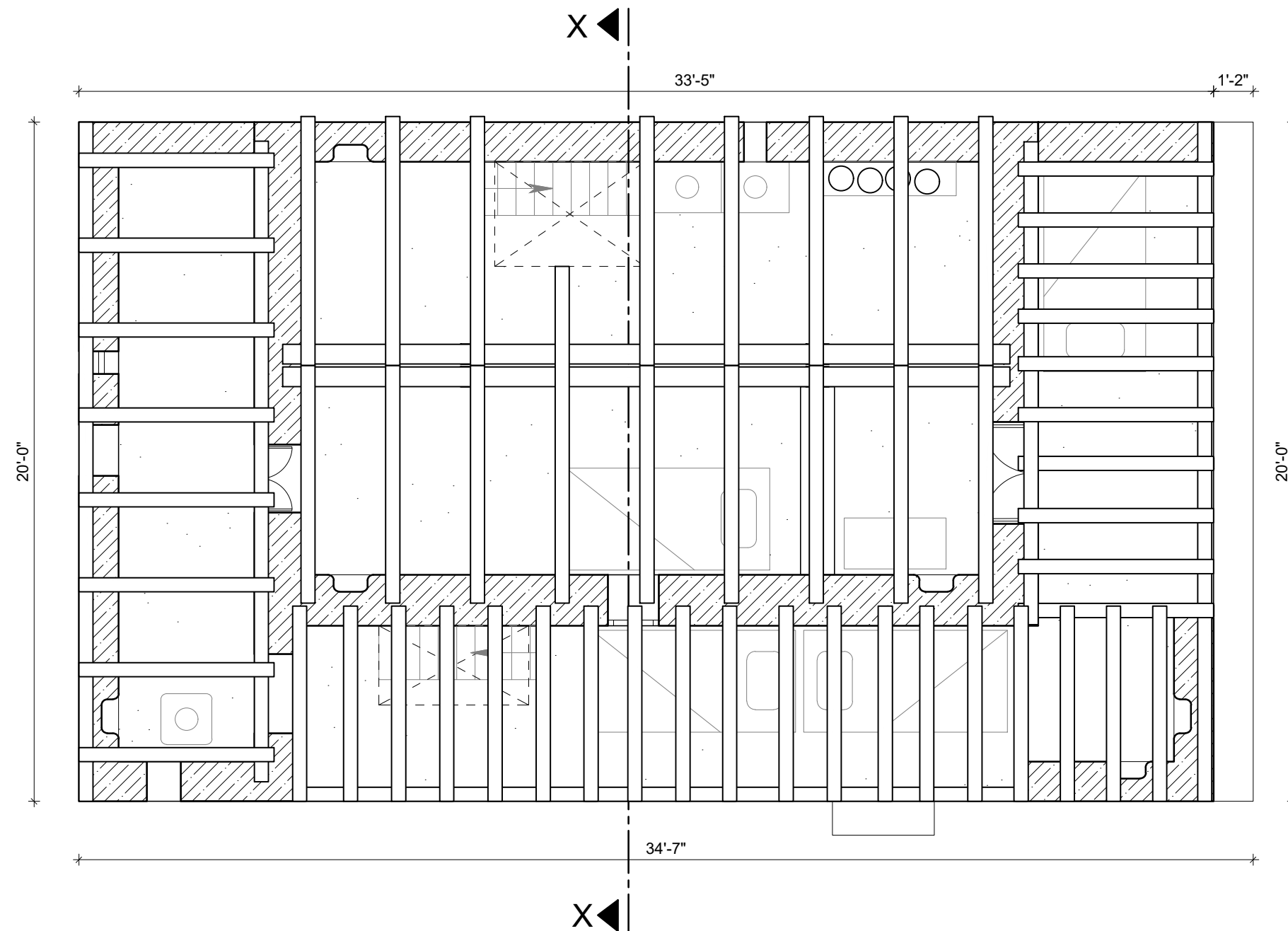
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT3\_1





BEAM LAYOUT PLAN  
(GROUND FLOOR)



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

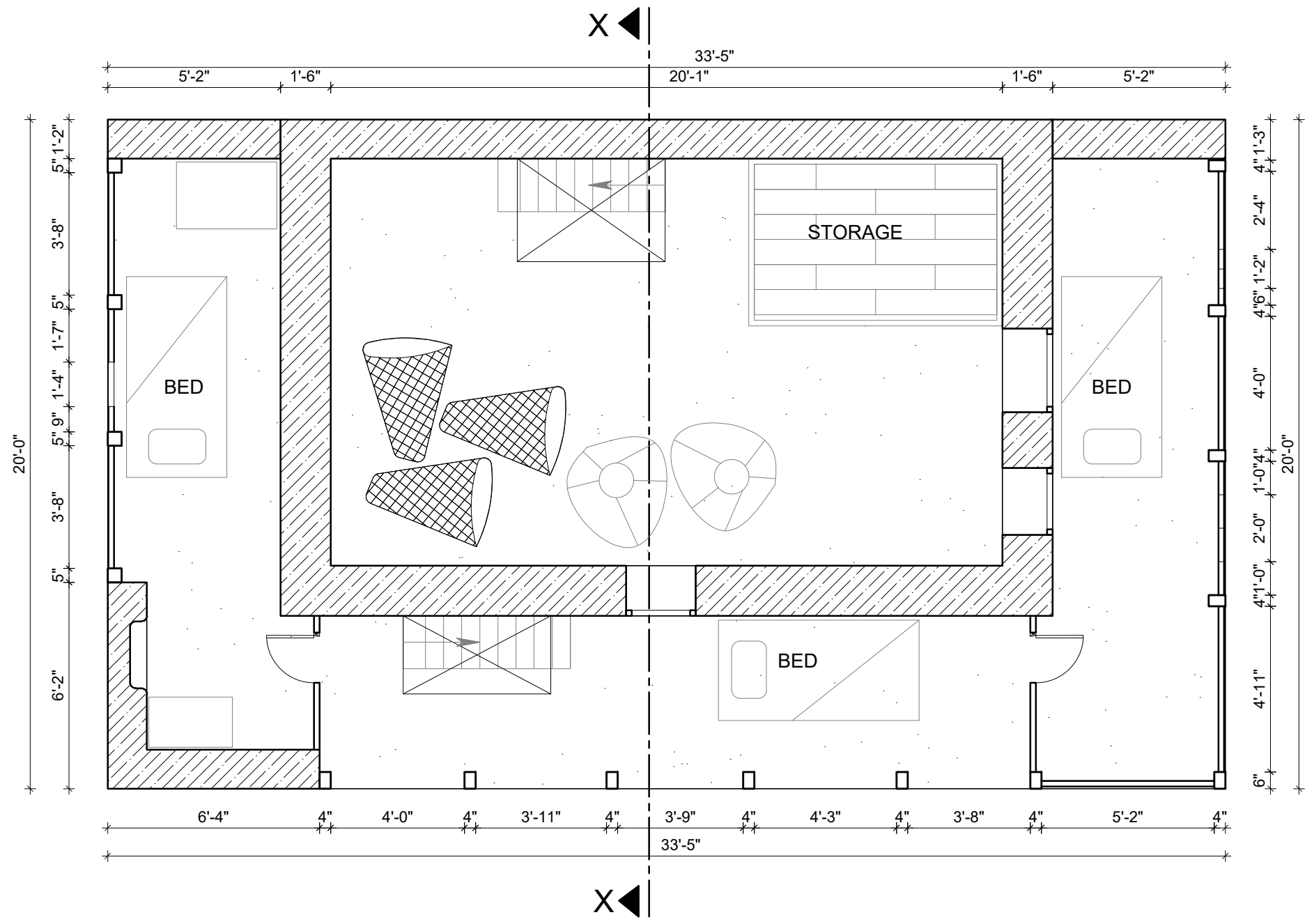
**ARCHITECT:**

**DRAWN BY:**

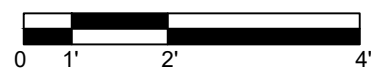
**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_2



FIRST FLOOR PLAN  
AREA: 668 SQ.FT.



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

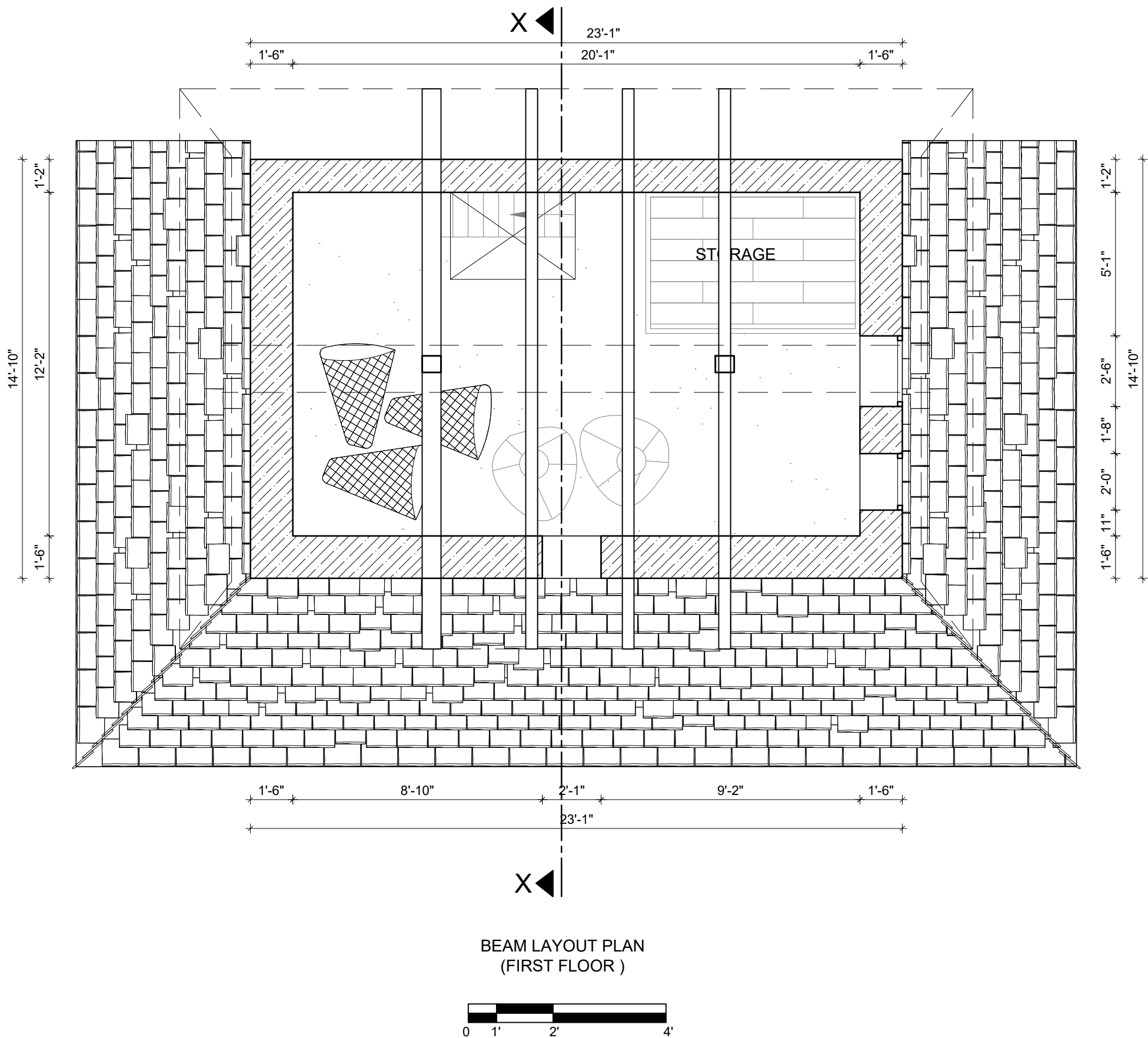
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_3



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

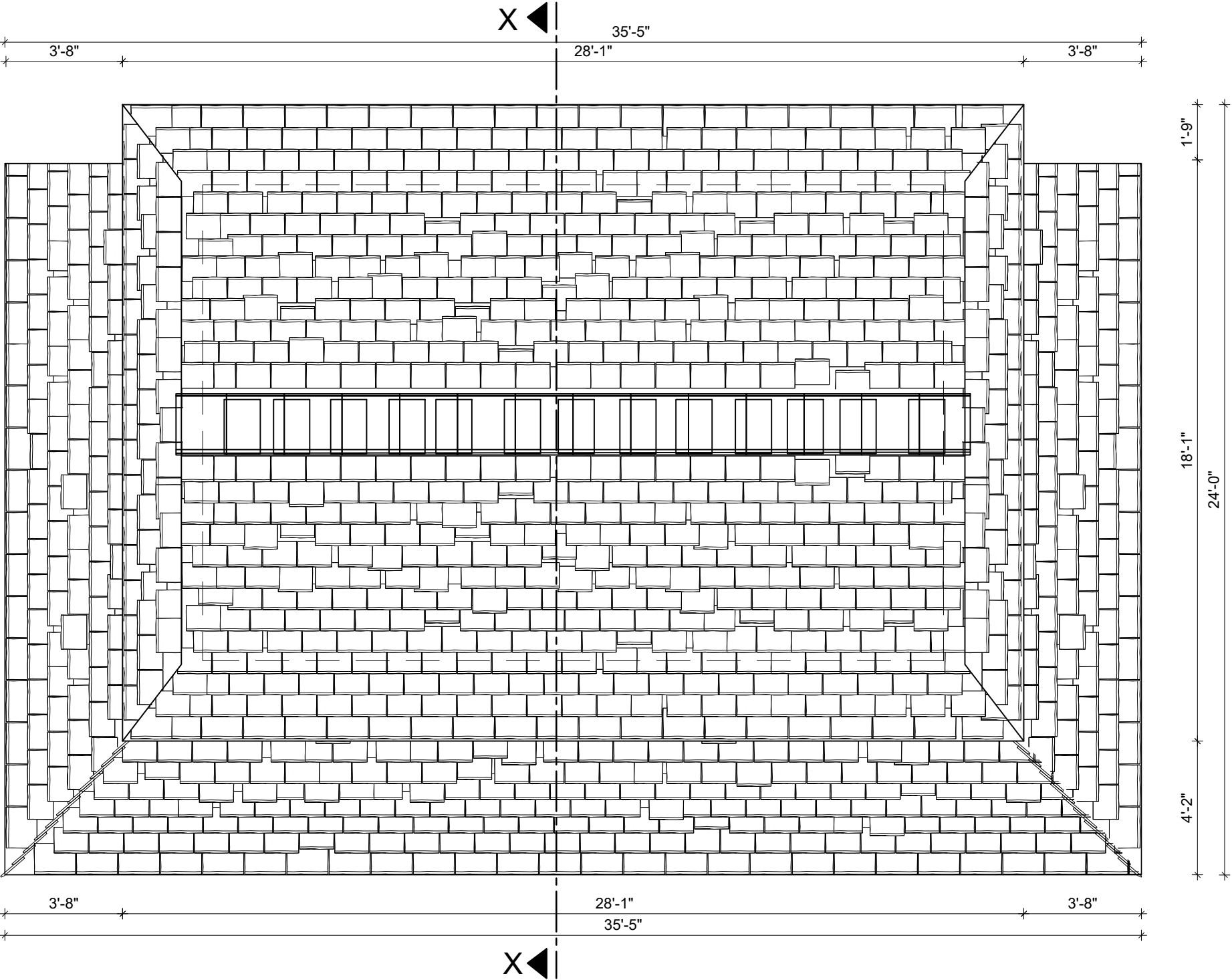
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_4



ROOF PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

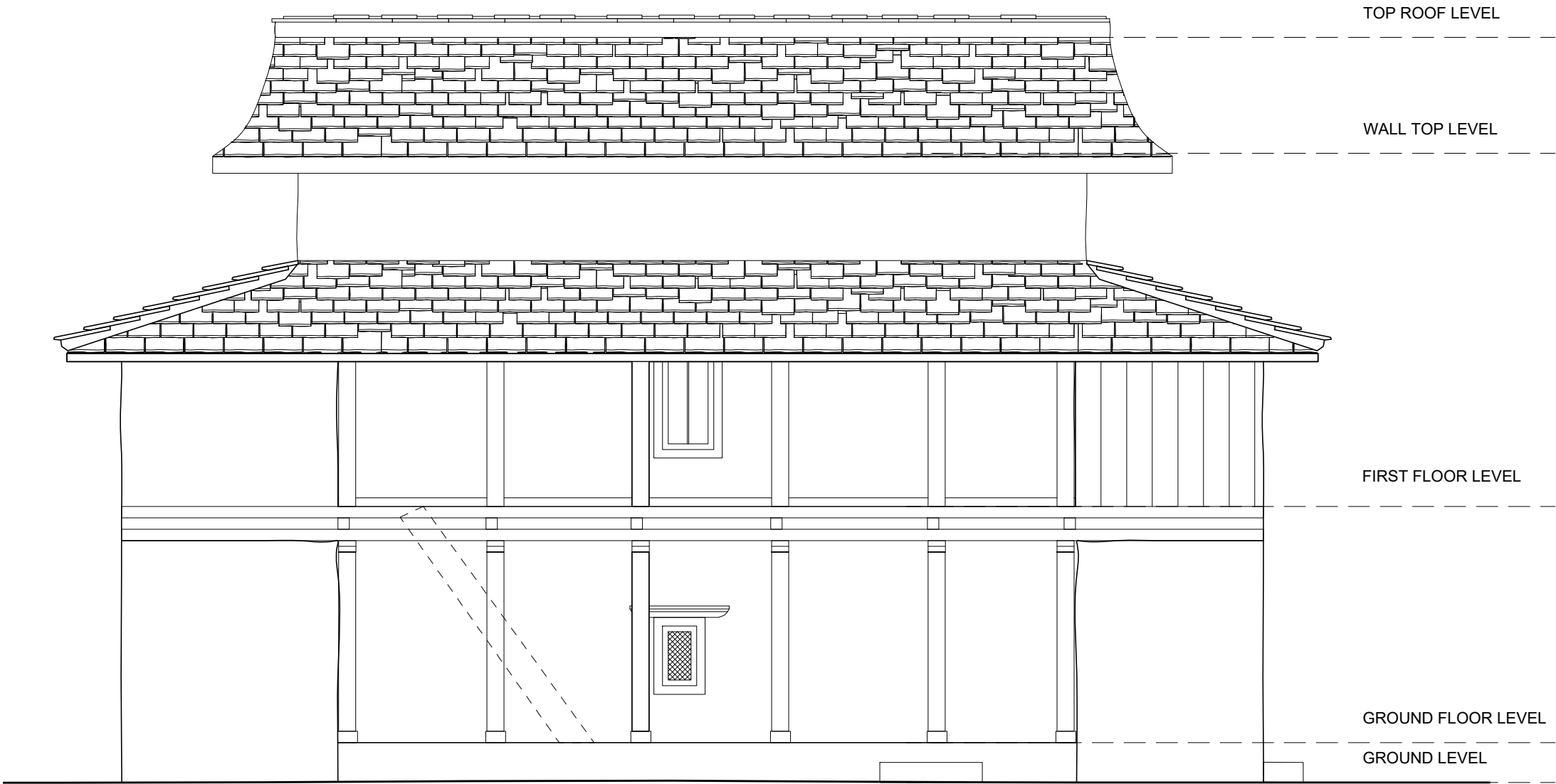
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT3\_5



SOUTH ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

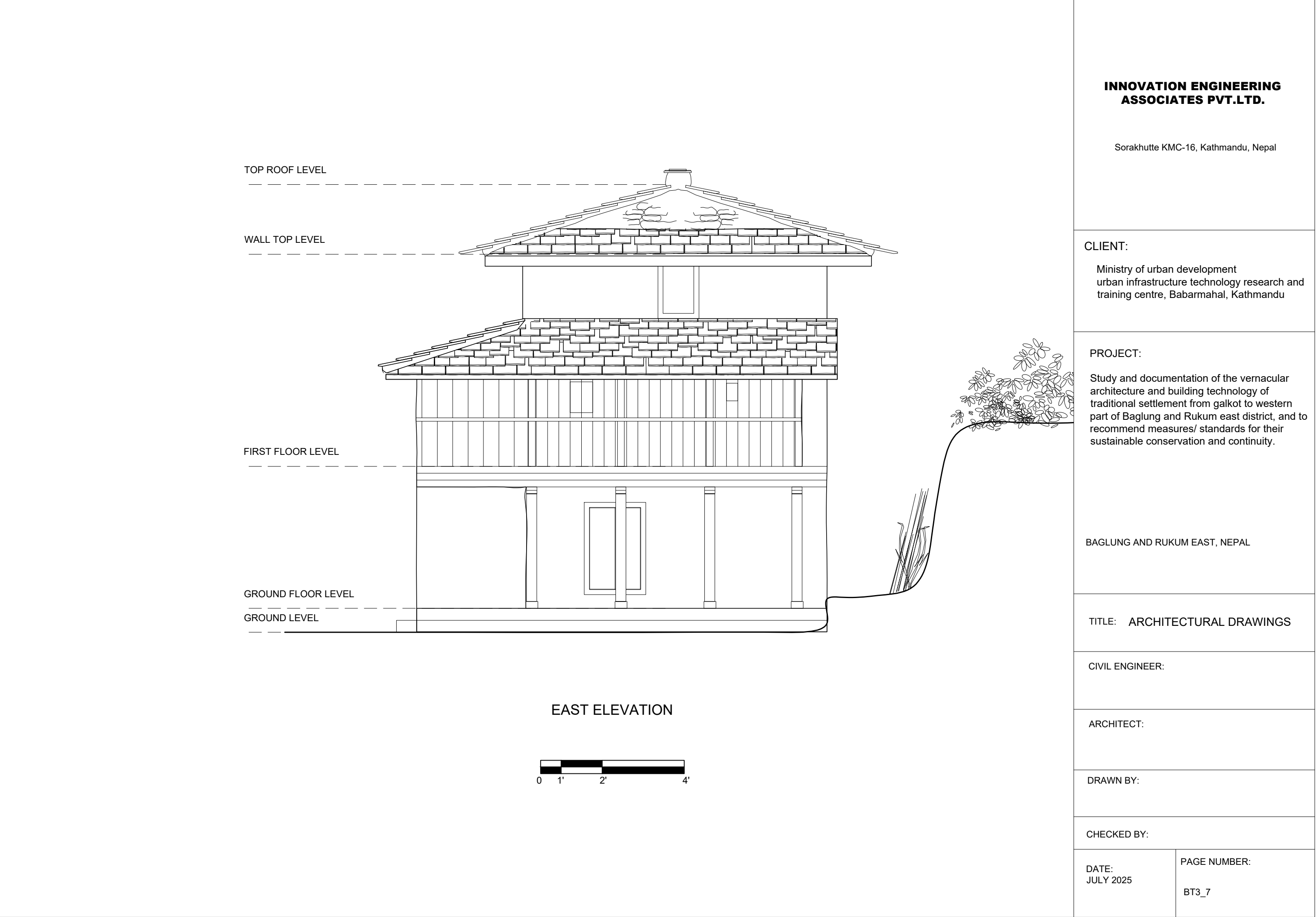
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_6



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

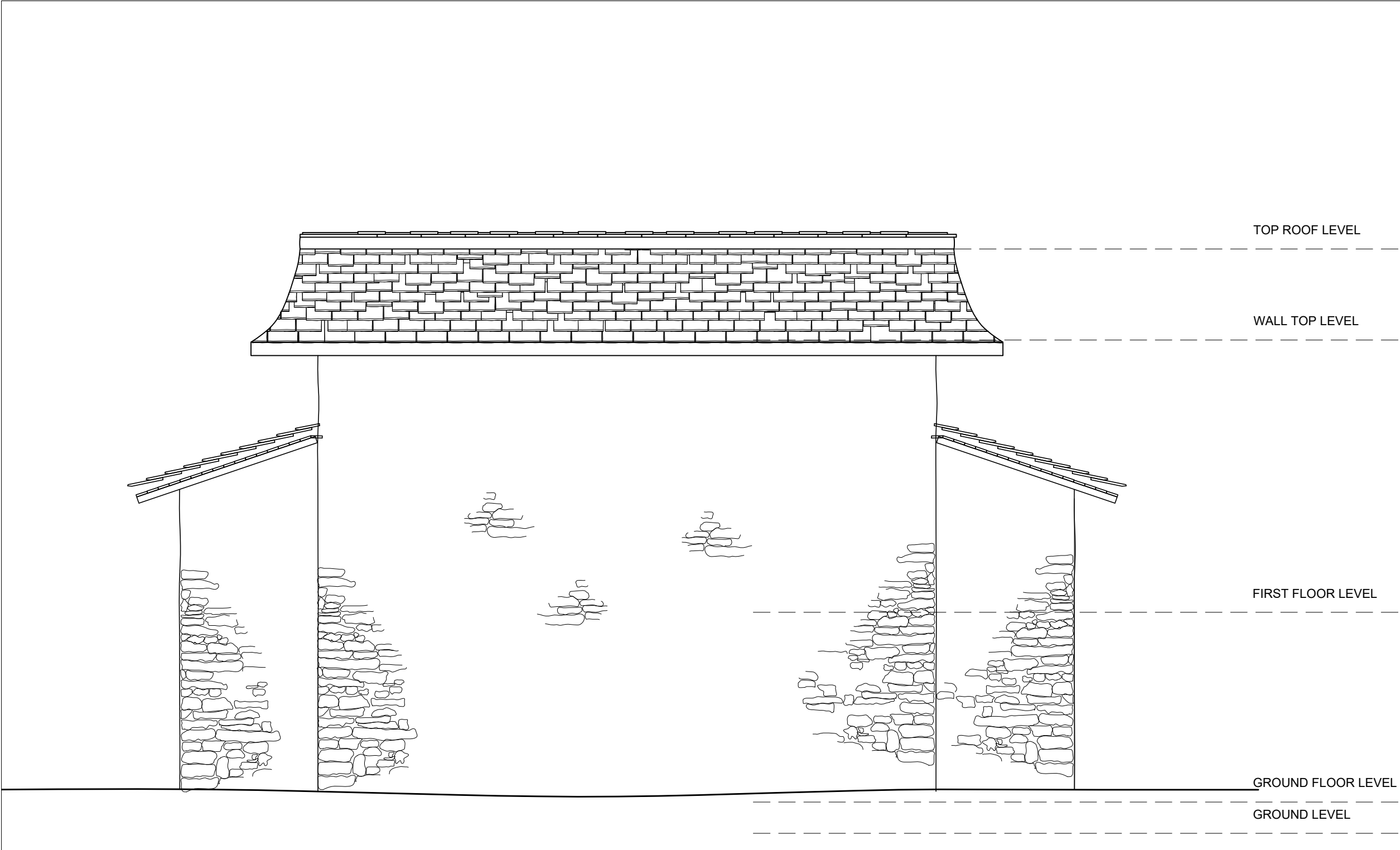
**ARCHITECT:**

**DRAWN BY:**

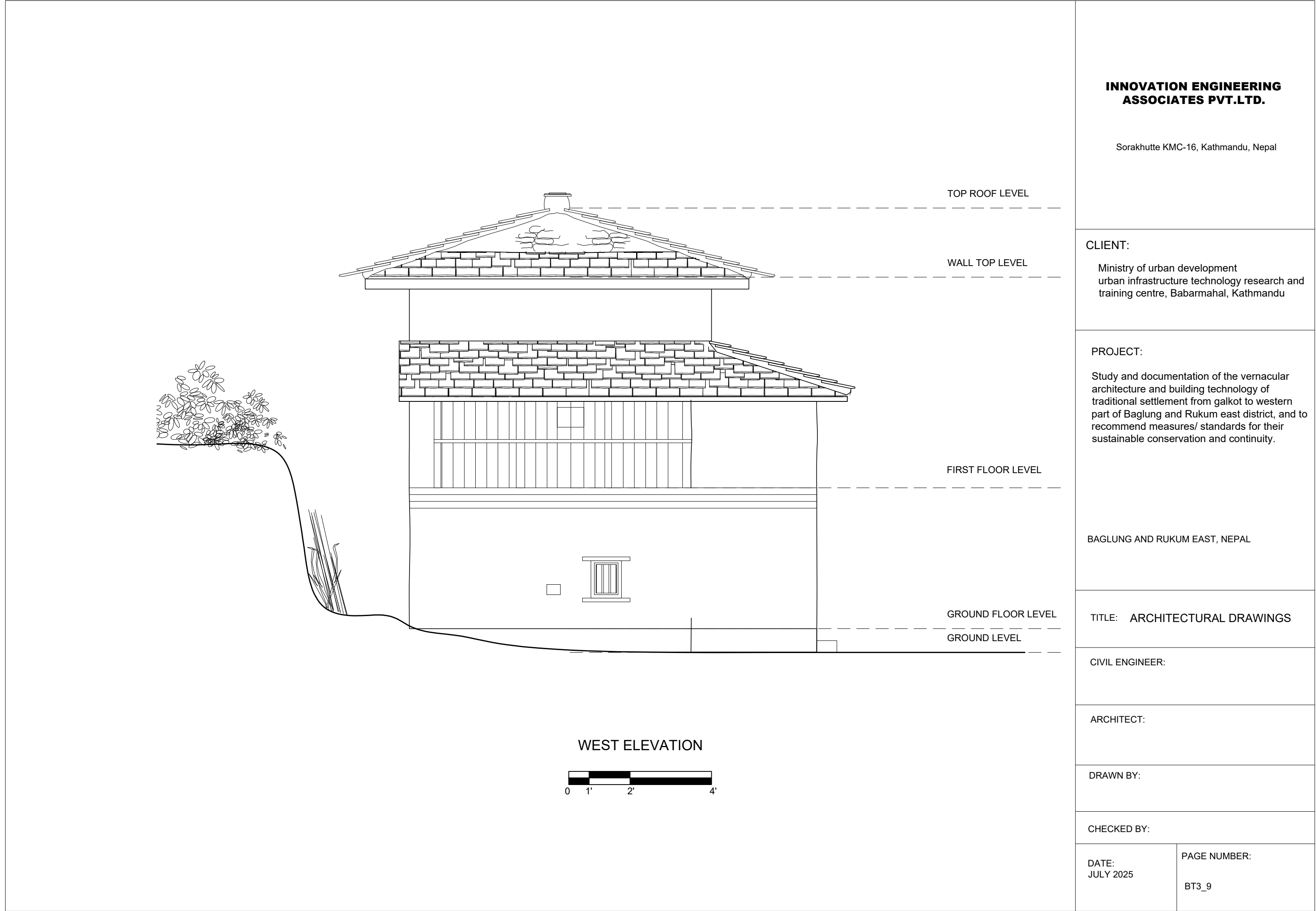
**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT3\_7



<b>INNOVATION ENGINEERING ASSOCIATES PVT.LTD.</b>	
Sorakhutte KMC-16, Kathmandu, Nepal	
CLIENT:  Ministry of urban development urban infrastructure technology research and training centre, Babarmahal, Kathmandu	
PROJECT:  Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.	
BAGLUNG AND RUKUM EAST, NEPAL	
TITLE: ARCHITECTURAL DRAWINGS	
CIVIL ENGINEER:	
ARCHITECT:	
DRAWN BY:	
CHECKED BY:	
DATE: JULY 2025	PAGE NUMBER:  BT3_8



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_9





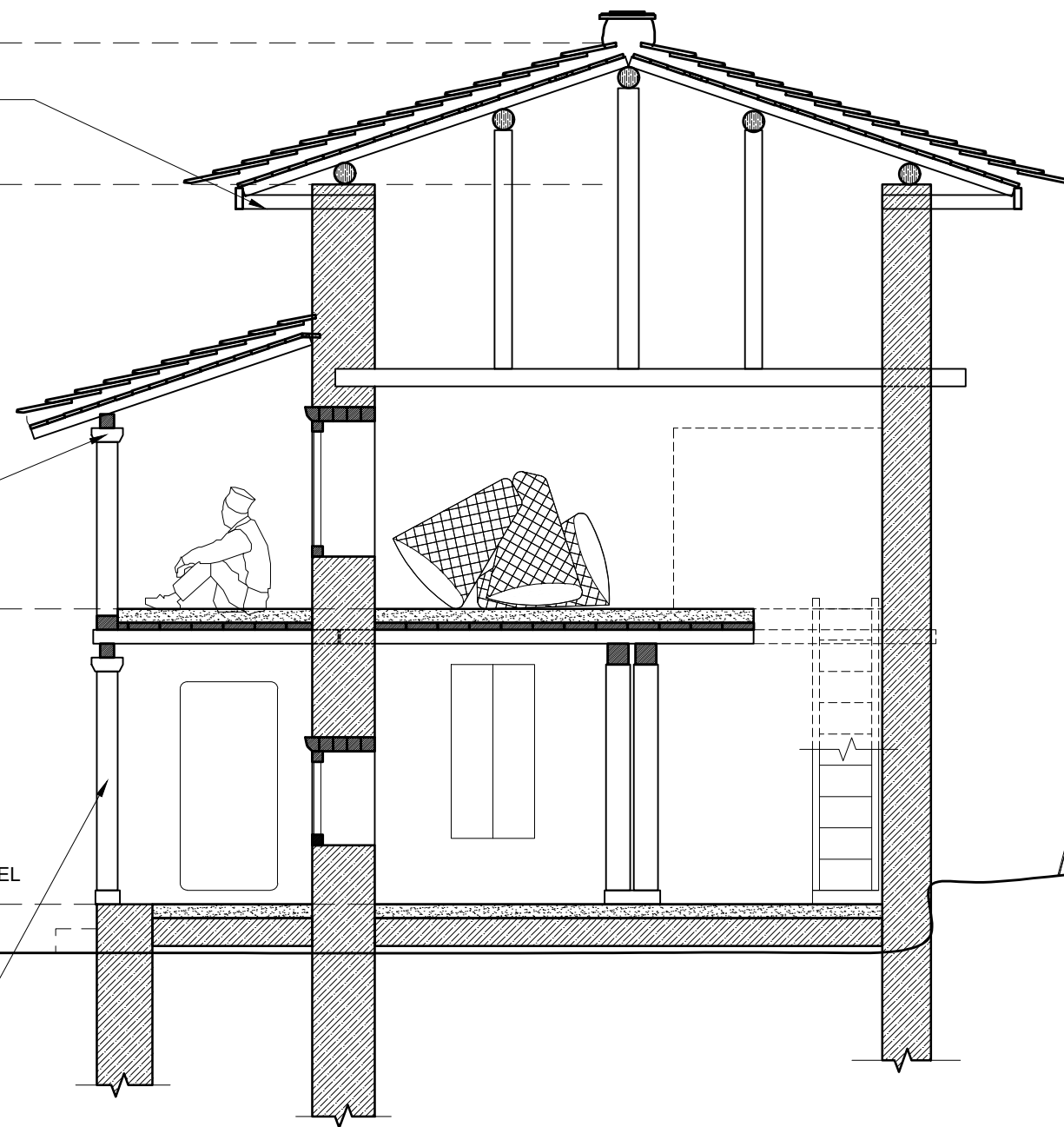
TOP ROOF LEVEL

WALL TOP LEVEL

FIRST FLOOR LEVEL

GROUND FLOOR LEVEL

GROUND LEVEL



SECTION AT X-X



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

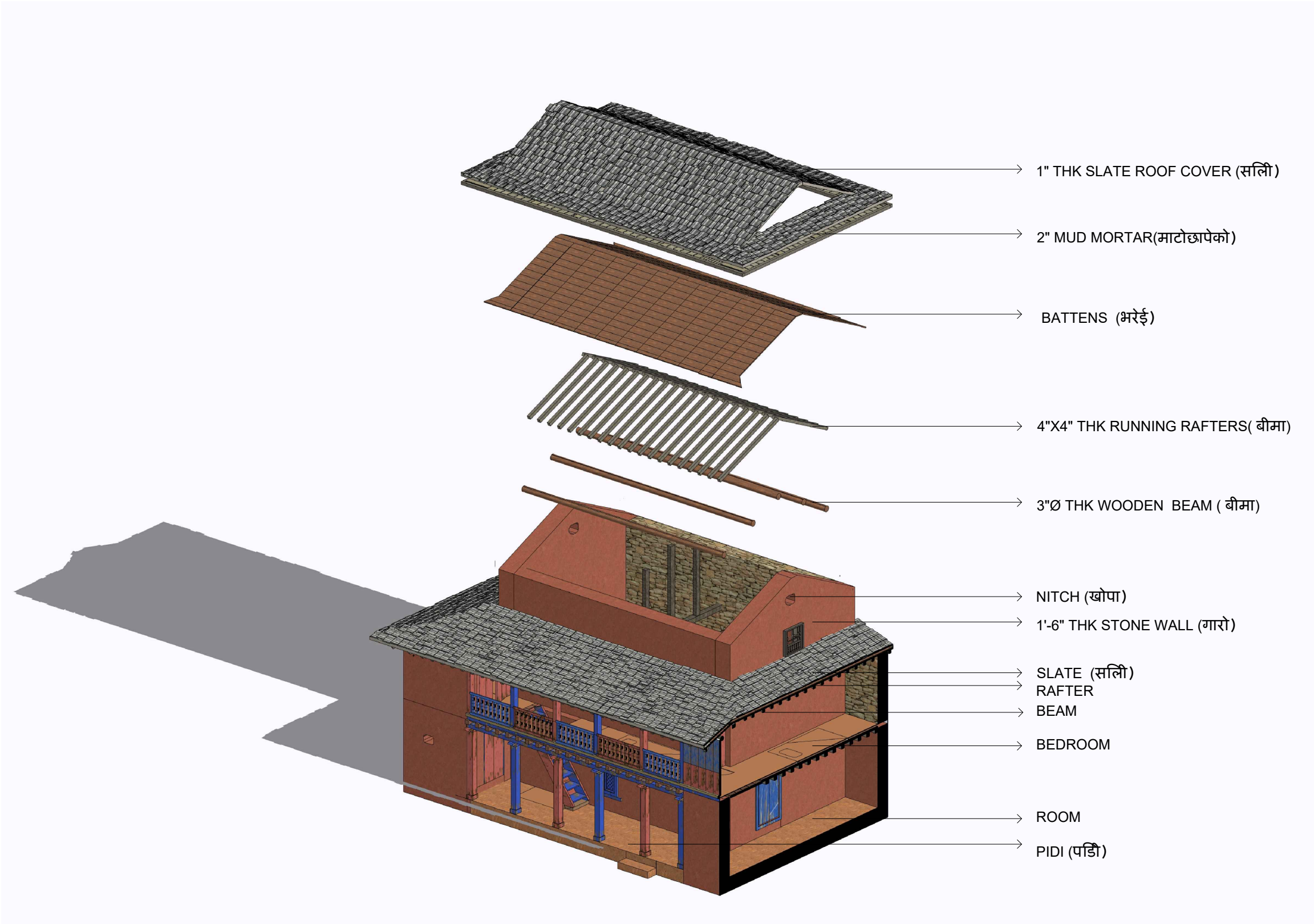
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**

BT3\_10



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: 3D

CIVIL ENGINEER:

ARCHITECT:

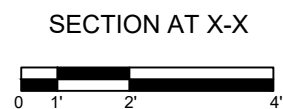
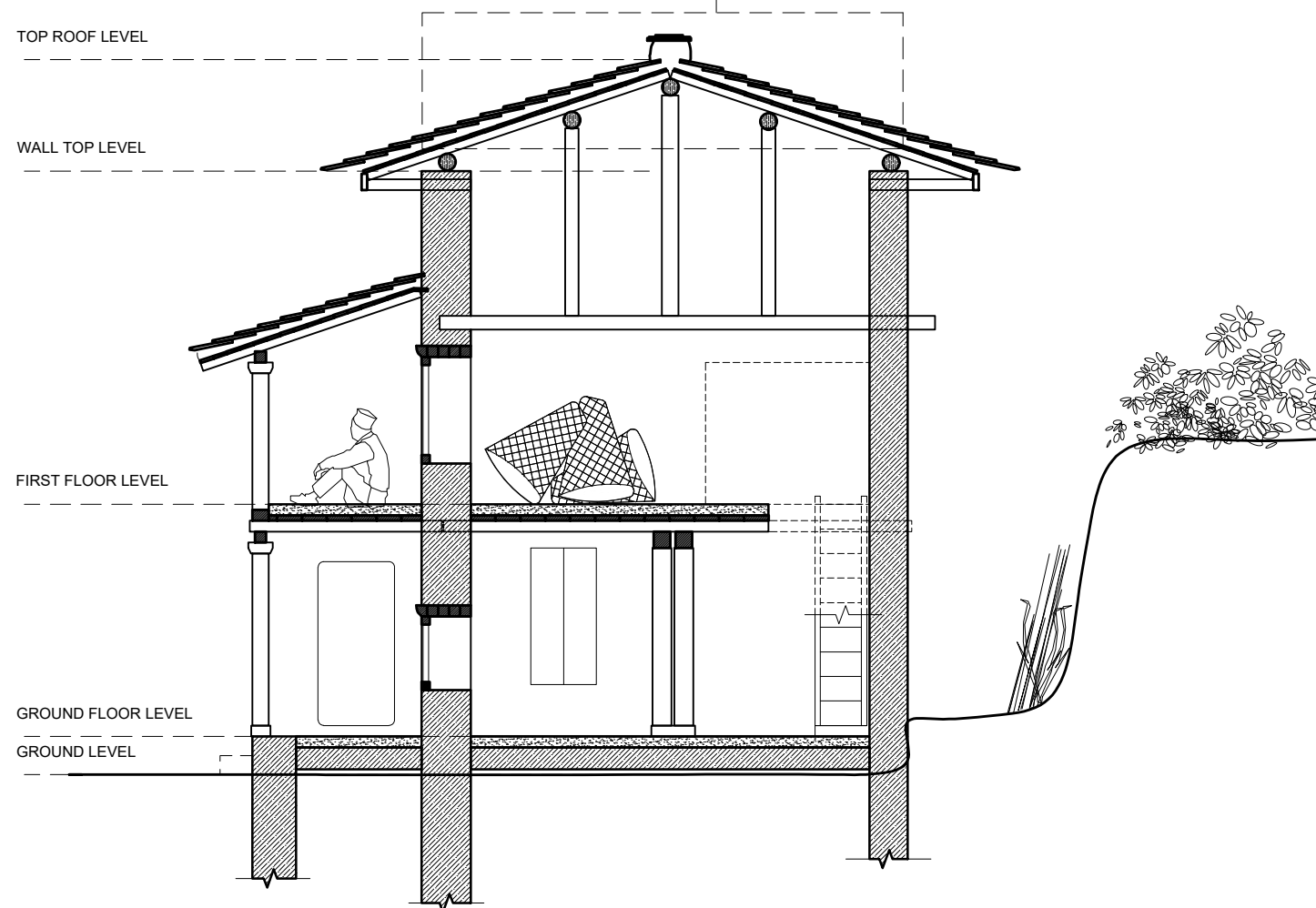
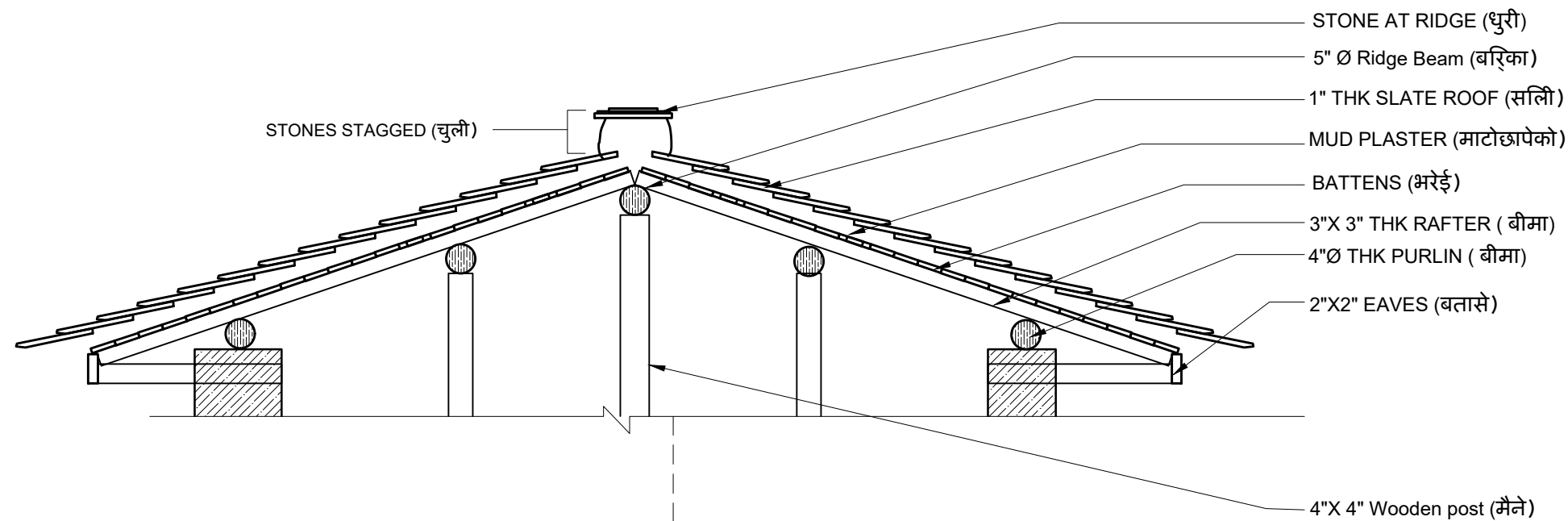
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT3\_11

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ROOF DETAIL**

**CIVIL ENGINEER:**

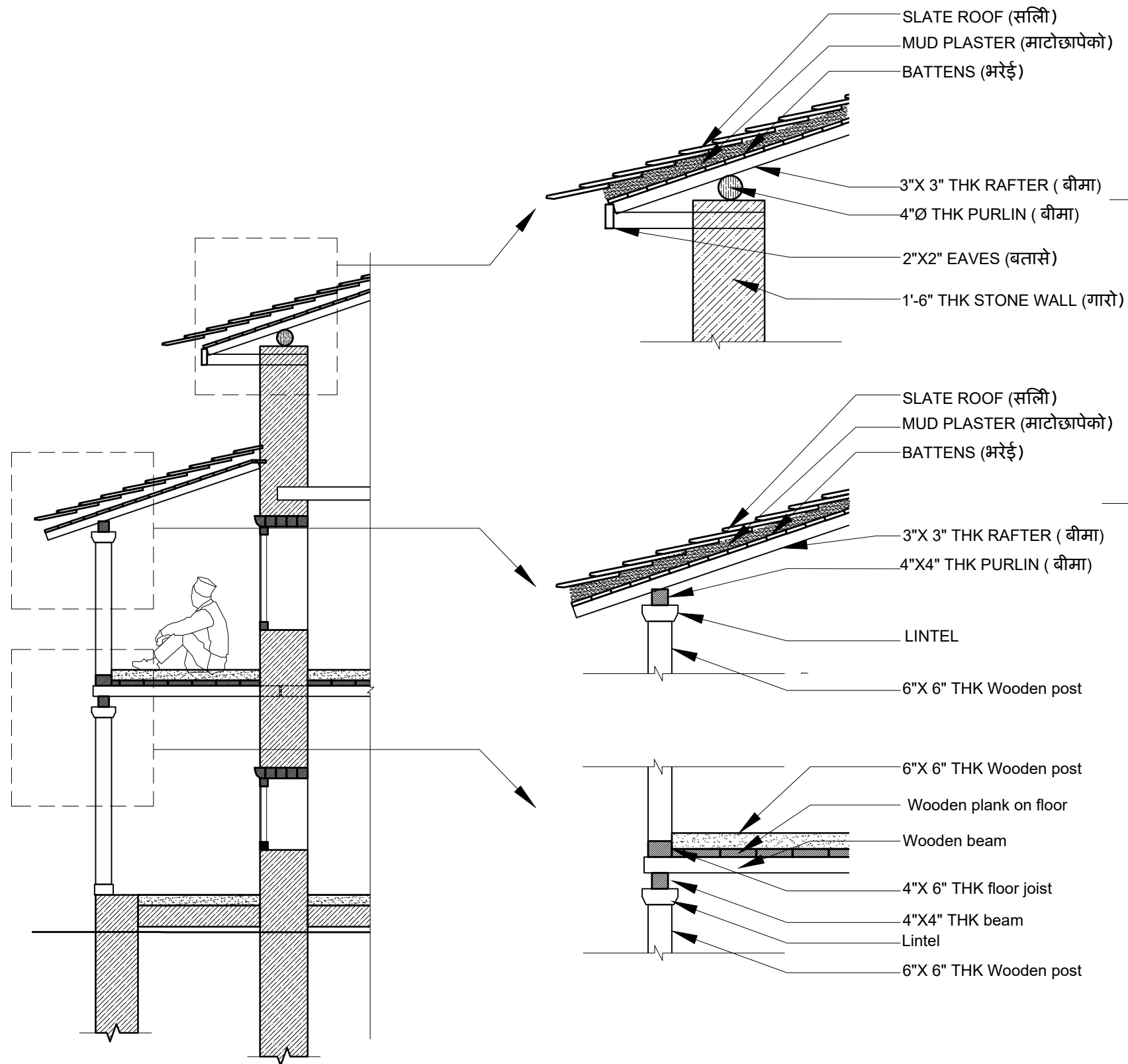
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT3\_12



#### ISSUE IDENTIFICATION ON ROOF:

1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material

#### RECOMMENDATION FOR NEW

1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.

#### ISSUE IDENTIFICATION ON FIRST FLOOR:

1. High chance of termite infestation (termite attack) in wooden beams, rafters, joists.
2. Lack of seasoning in wooden elements.

#### RECOMMENDATION FOR NEW

1. Treatment of all structural timber with appropriate anti-termite chemicals before installation.

### INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

#### CLIENT:

Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

#### PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: WALL SECTION

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

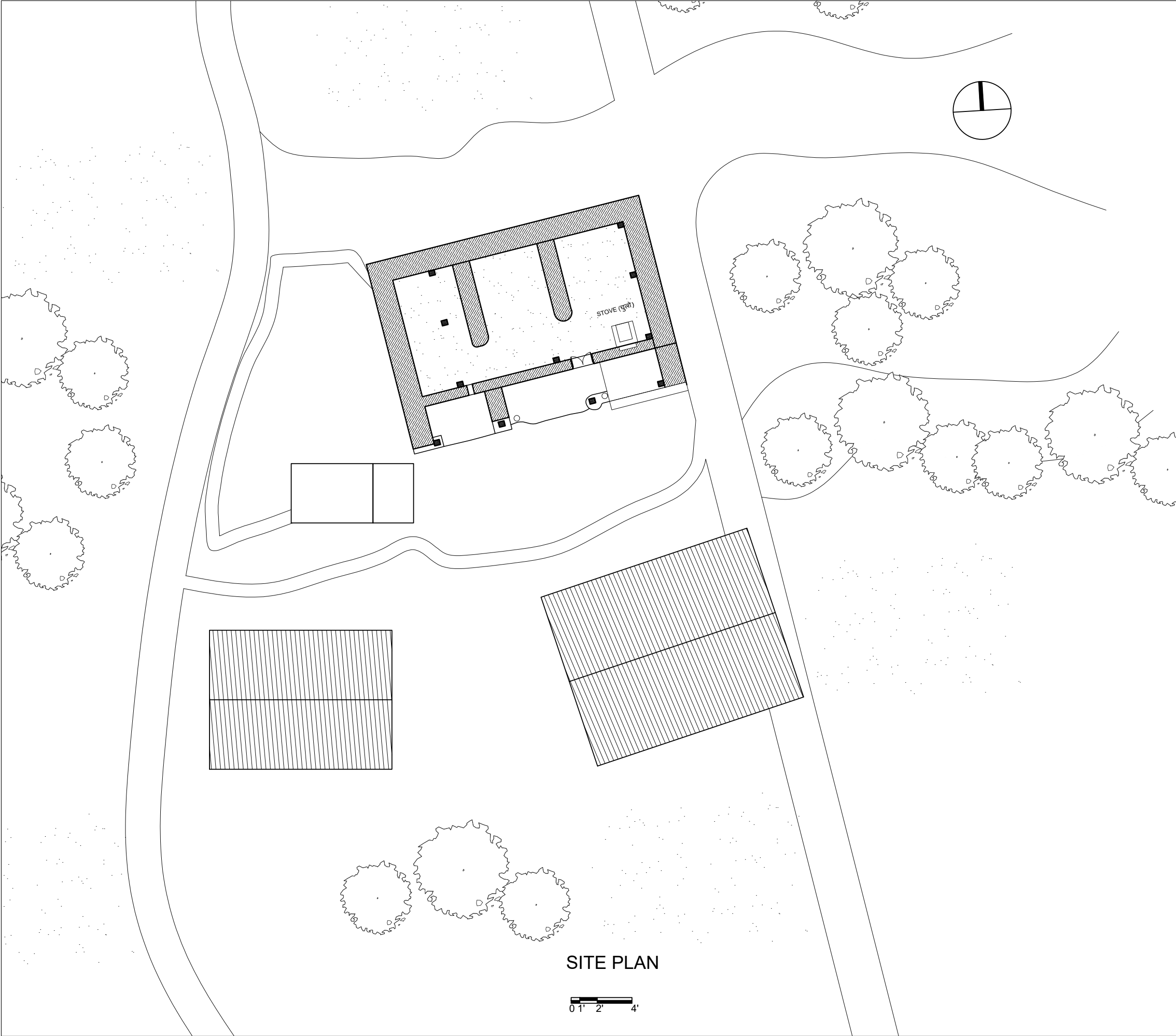
PAGE NUMBER:  
BT3\_13

# ARCHITECTURAL DRAWINGS

## NISI, BAGLUNG

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT4_1
2	GROUND FLOOR PLAN	BT4_2
3	FIRST FLOOR PLAN	BT4_3
4	BEAM LAYOUT PLAN	BT4_4
5	ROOF PLAN	BT4_5
6	ELEVATION	BT4_6
7	ELEVATION	BT4_7
8	SECTION	BT4_8
9	3D	BT4_9
10	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT4_10
11	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT4_11

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

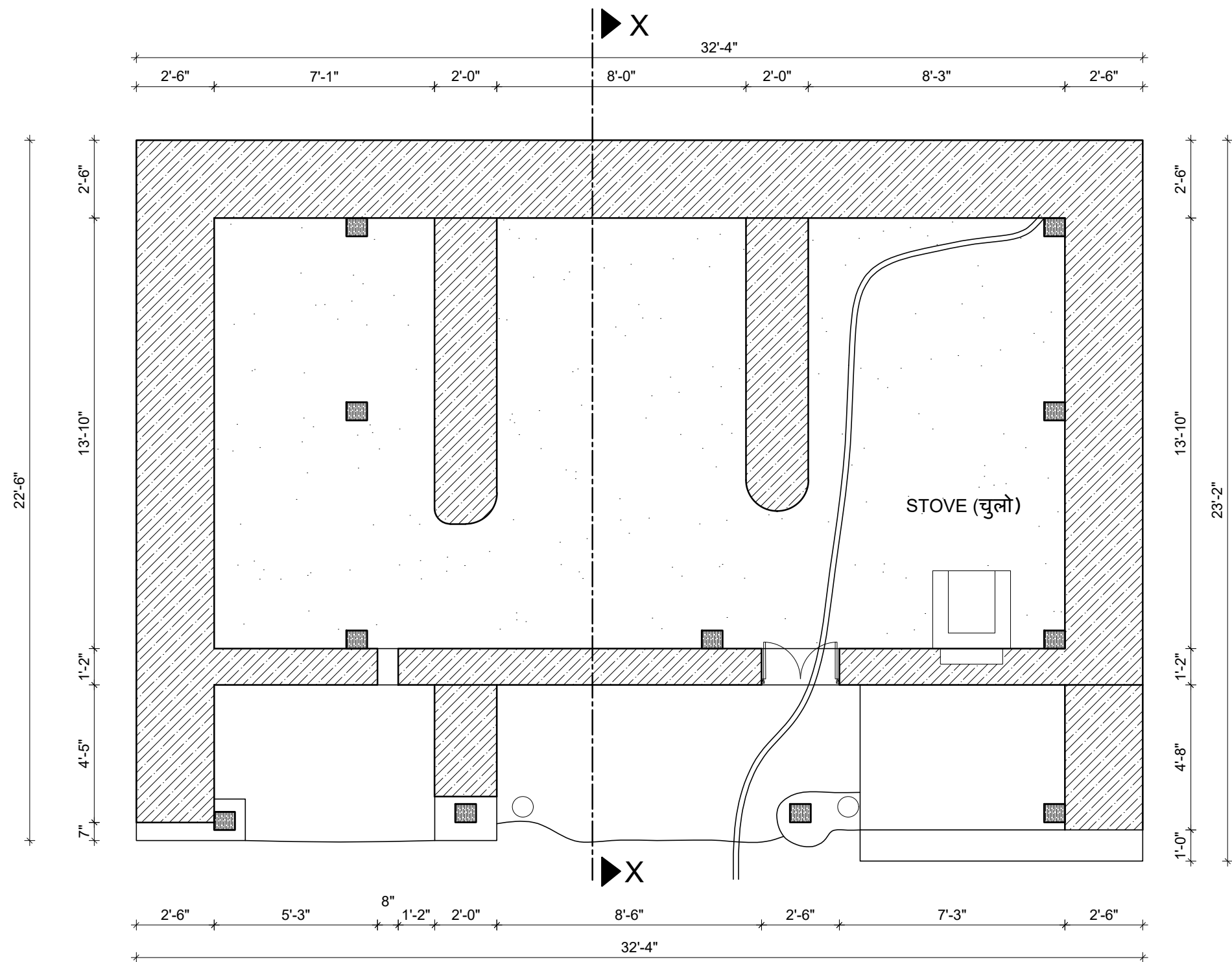
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT4\_(1)





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

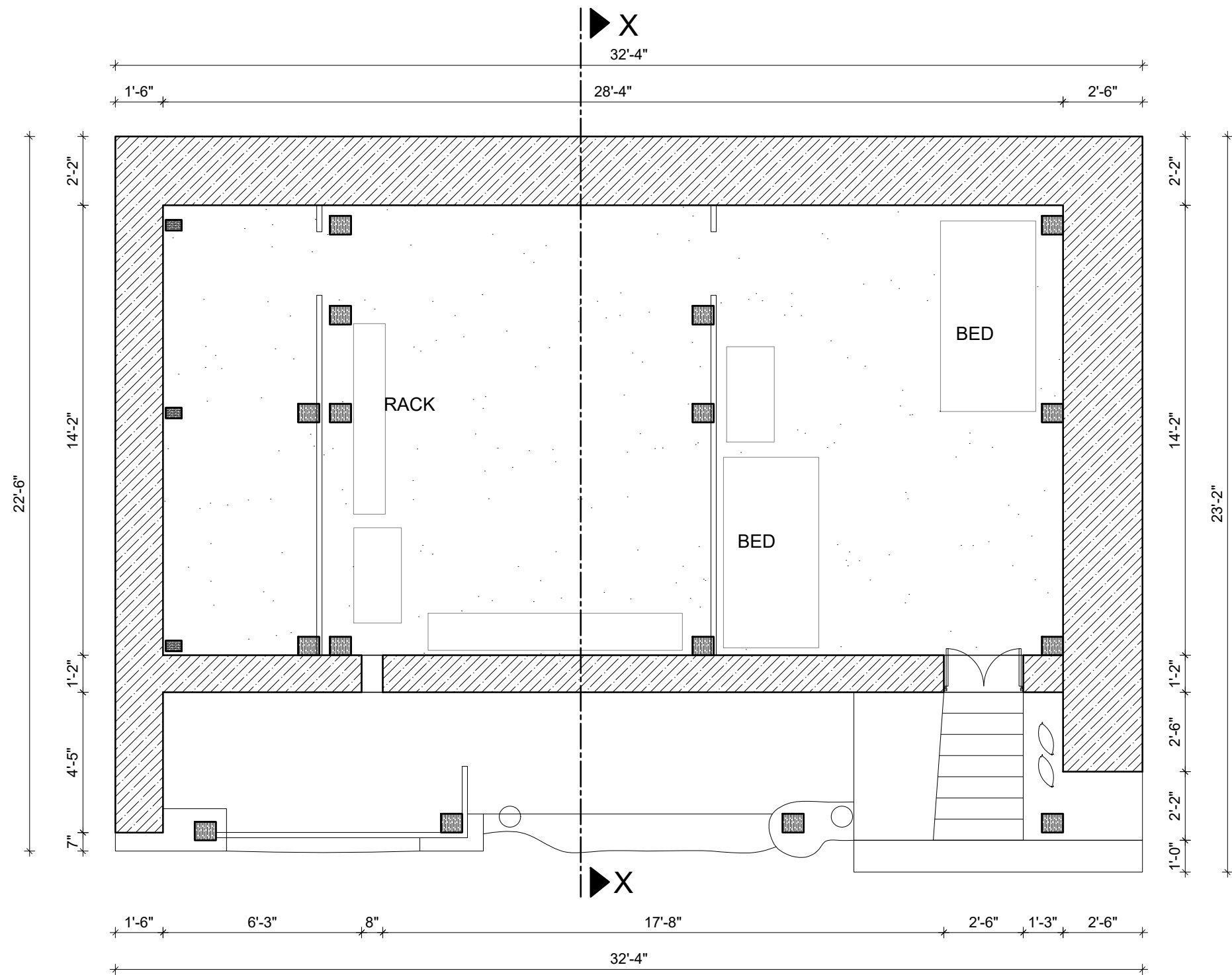
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT4\_(2)





FIRST FLOOR PLAN  
AREA: 717 SQ.FT.



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

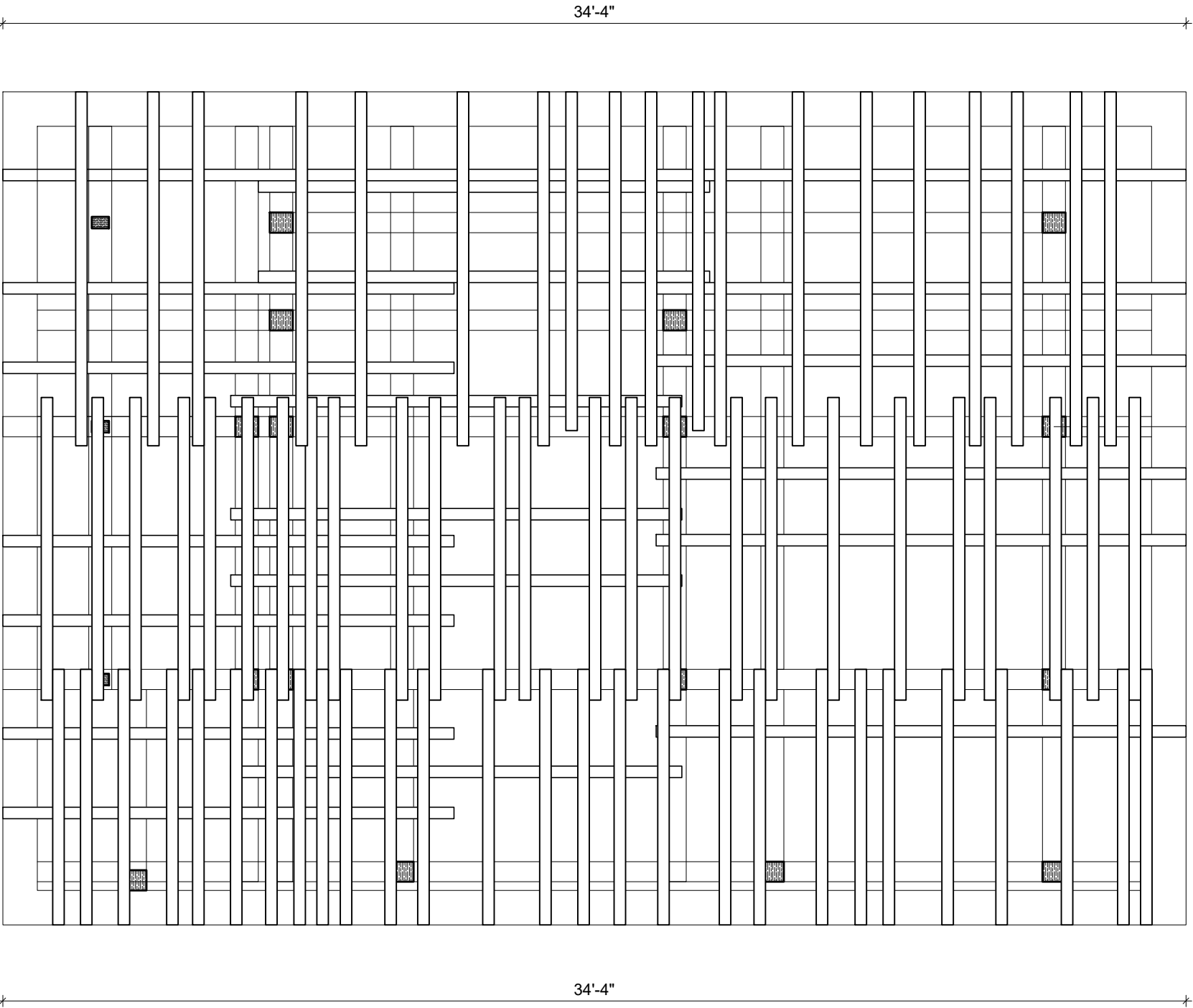
**DRAWN BY:**

**CHECKED BY:**

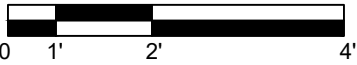
**DATE:**  
JULY 2025

**PAGE NUMBER:**

BT4\_(3)



BEAM LAYOUT OF ATTIC



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

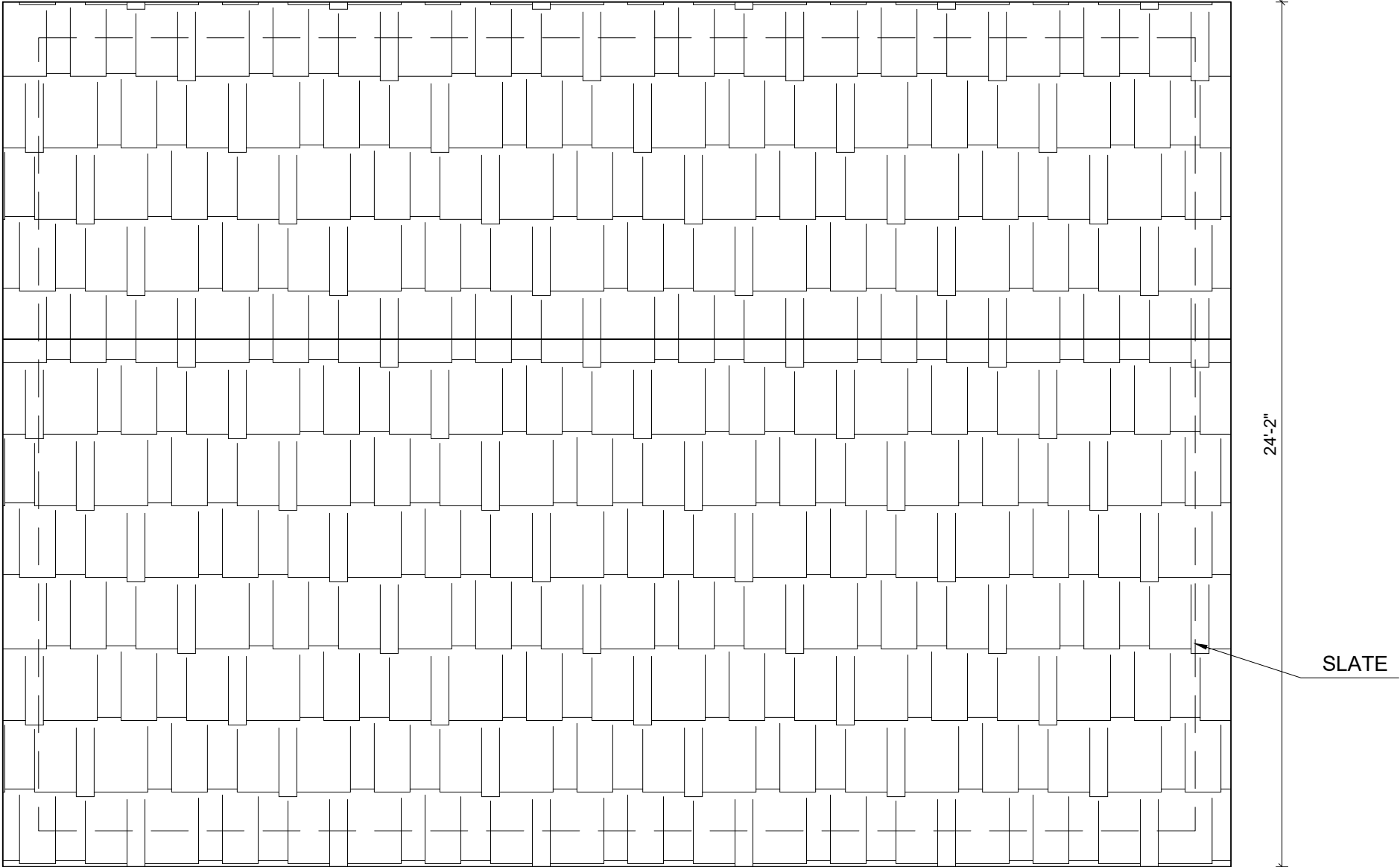
ARCHITECT:

DRAWN BY:

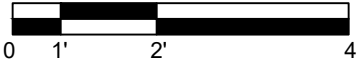
CHECKED BY:

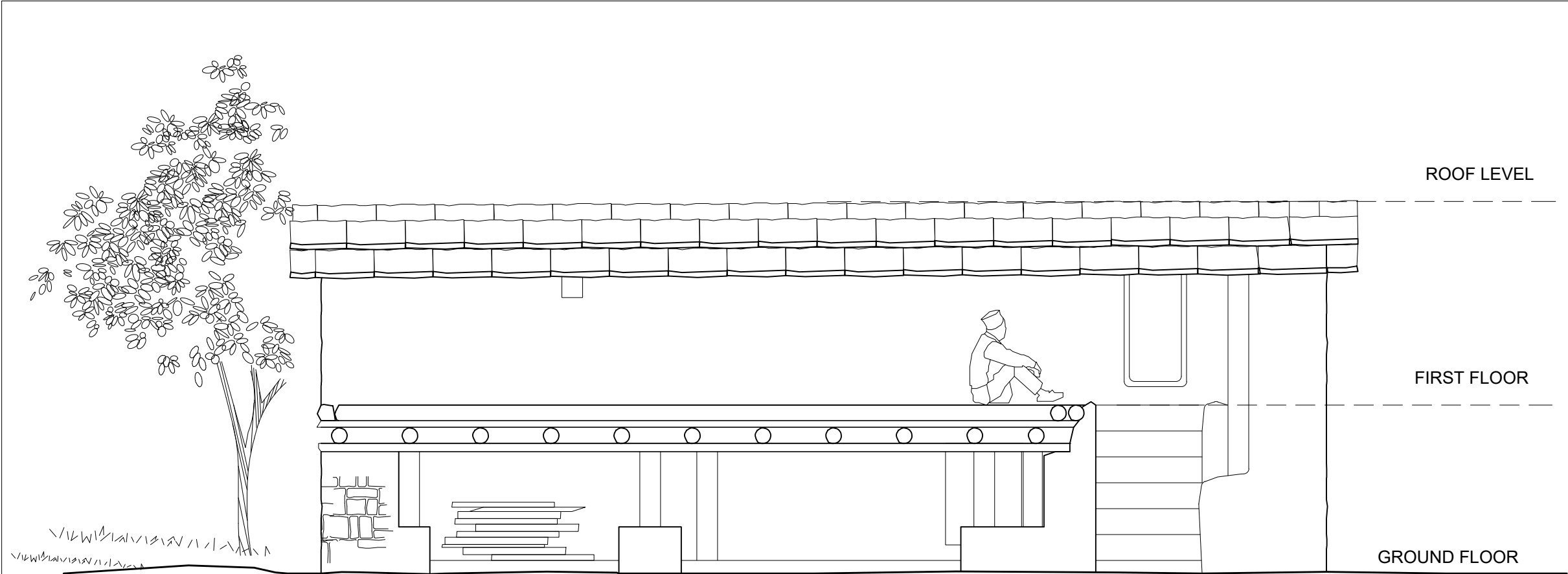
DATE:  
JULY 2025

PAGE NUMBER:  
  
BT4\_(4)

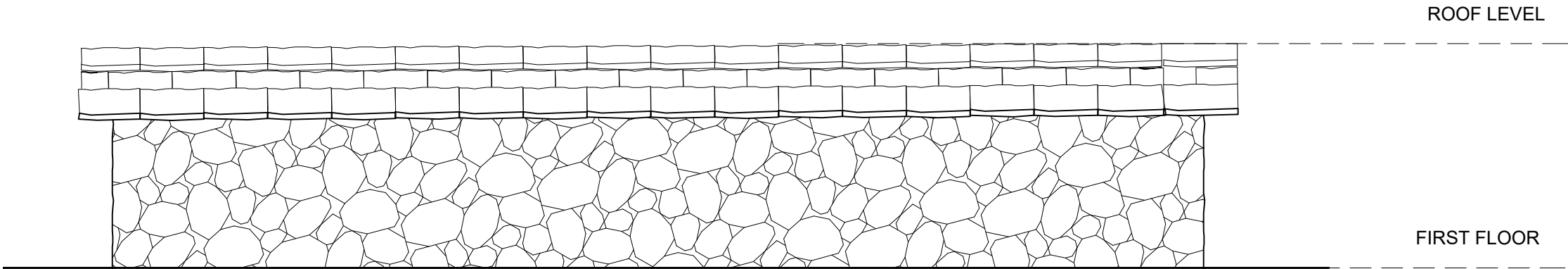
<div><div><div>34'-4"</div><div>24'-2"</div><div>24'-2"</div><div>34'-4"</div></div><div><div>SLATE</div></div></div>		<div><div><div>INNOVATION ENGINEERING ASSOCIATES PVT.LTD.</div><div>Sorakhutte KMC-16, Kathmandu, Nepal</div></div></div>
<div>CLIENT:</div> <div>Ministry of urban development urban infrastructure technology research and training centre, Babarmahal, Kathmandu</div>		
<div>PROJECT:</div> <div>Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.</div>		
		<div>BAGLUNG AND RUKUM EAST, NEPAL</div>
<div>TITLE: ARCHITECTURAL DRAWINGS</div>		
<div>CIVIL ENGINEER:</div>		
<div>ARCHITECT:</div>		
<div>DRAWN BY:</div>		
<div>CHECKED BY:</div>		
<div><div>DATE: JULY 2025</div></div>	<div><div>PAGE NUMBER:</div><div>BT4_(5)</div></div>	

ROOF PLAN

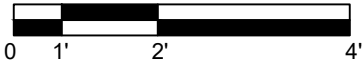




FRONT ELEVATION



BACK ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

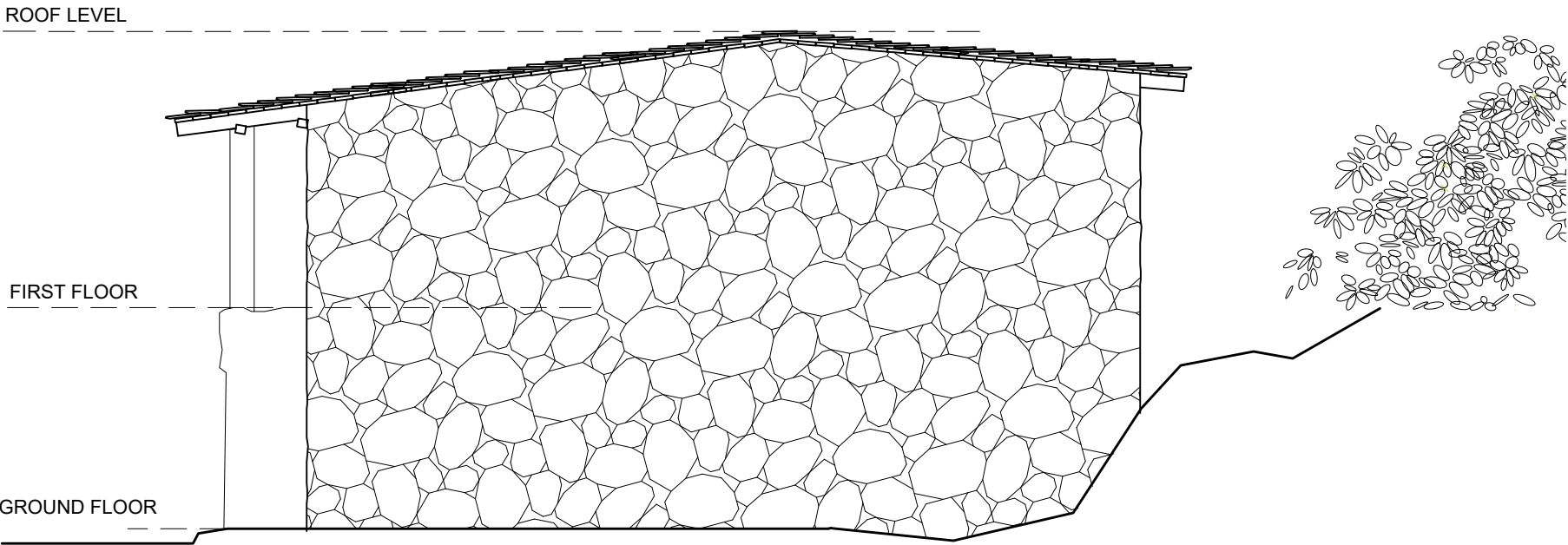
**ARCHITECT:**

**DRAWN BY:**

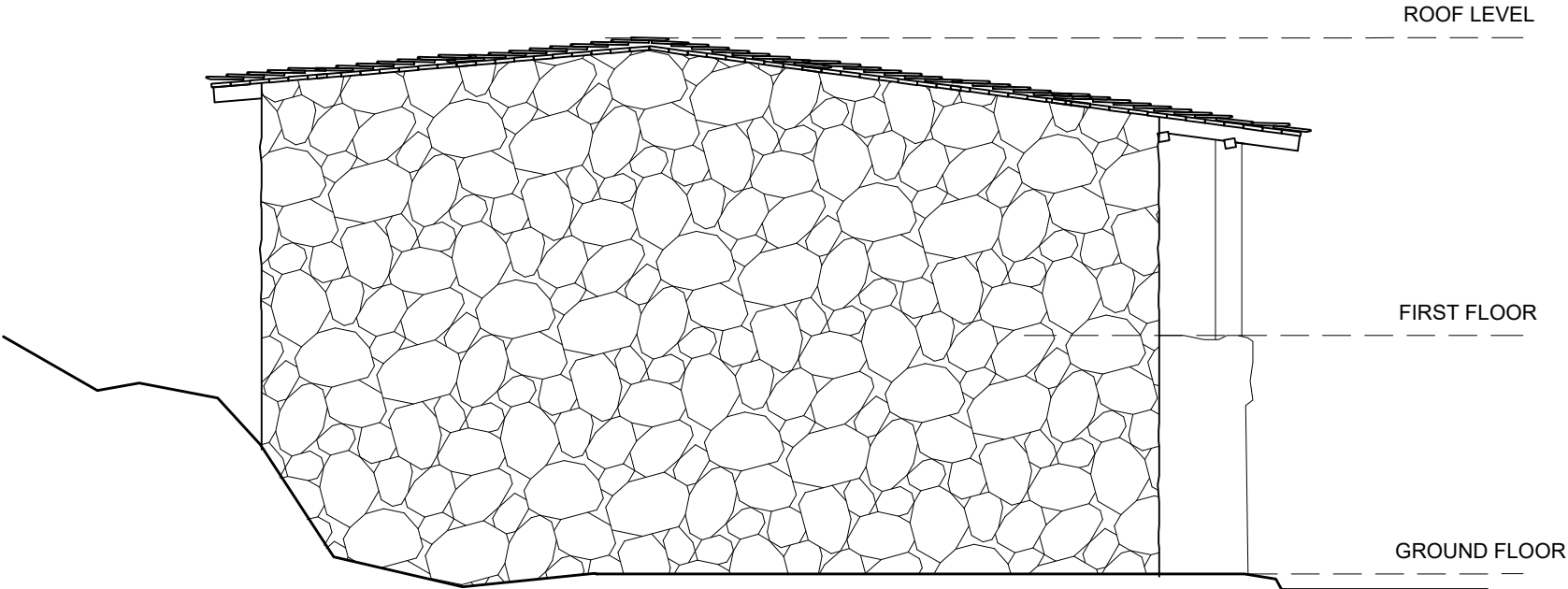
**CHECKED BY:**

**DATE:**  
JULY 2025

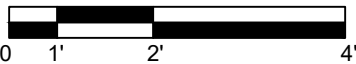
**PAGE NUMBER:**  
BT4\_(6)



SIDE ELEVATION



SIDE ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

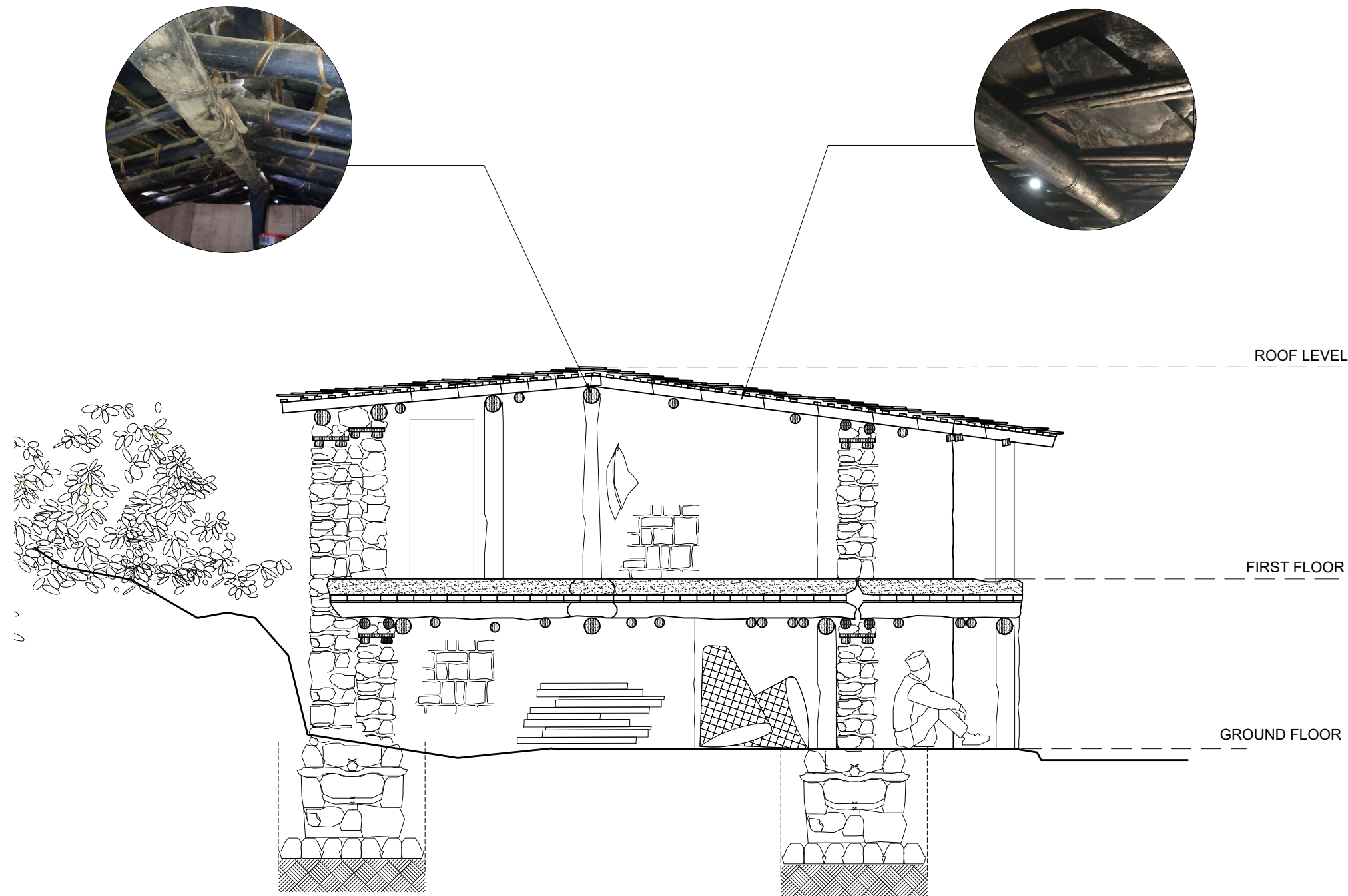
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT4\_(7)



SECTION AT X

0 1' 2' 4'

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: SECTION

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

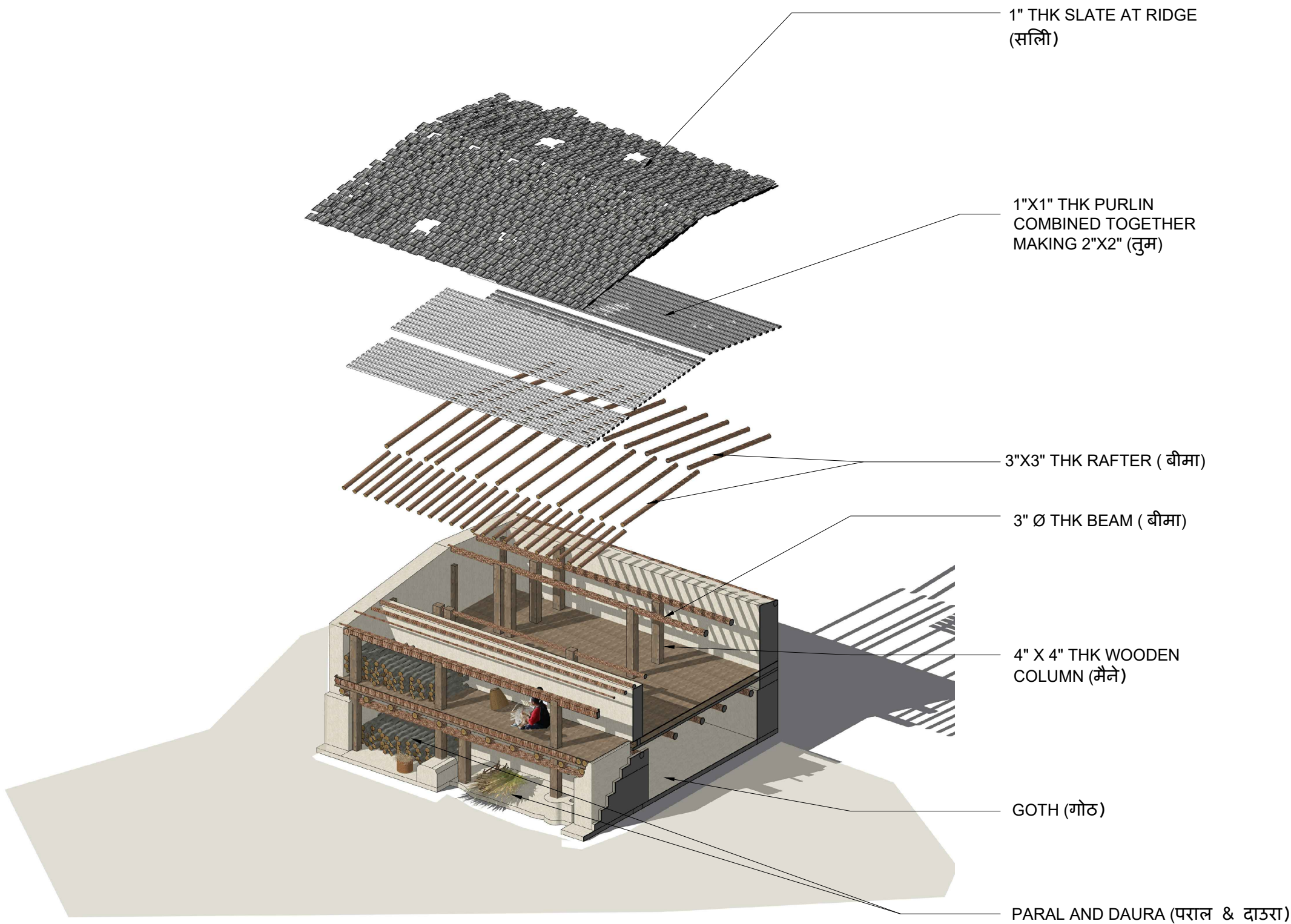
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:

BT4\_(8)





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: 3D

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

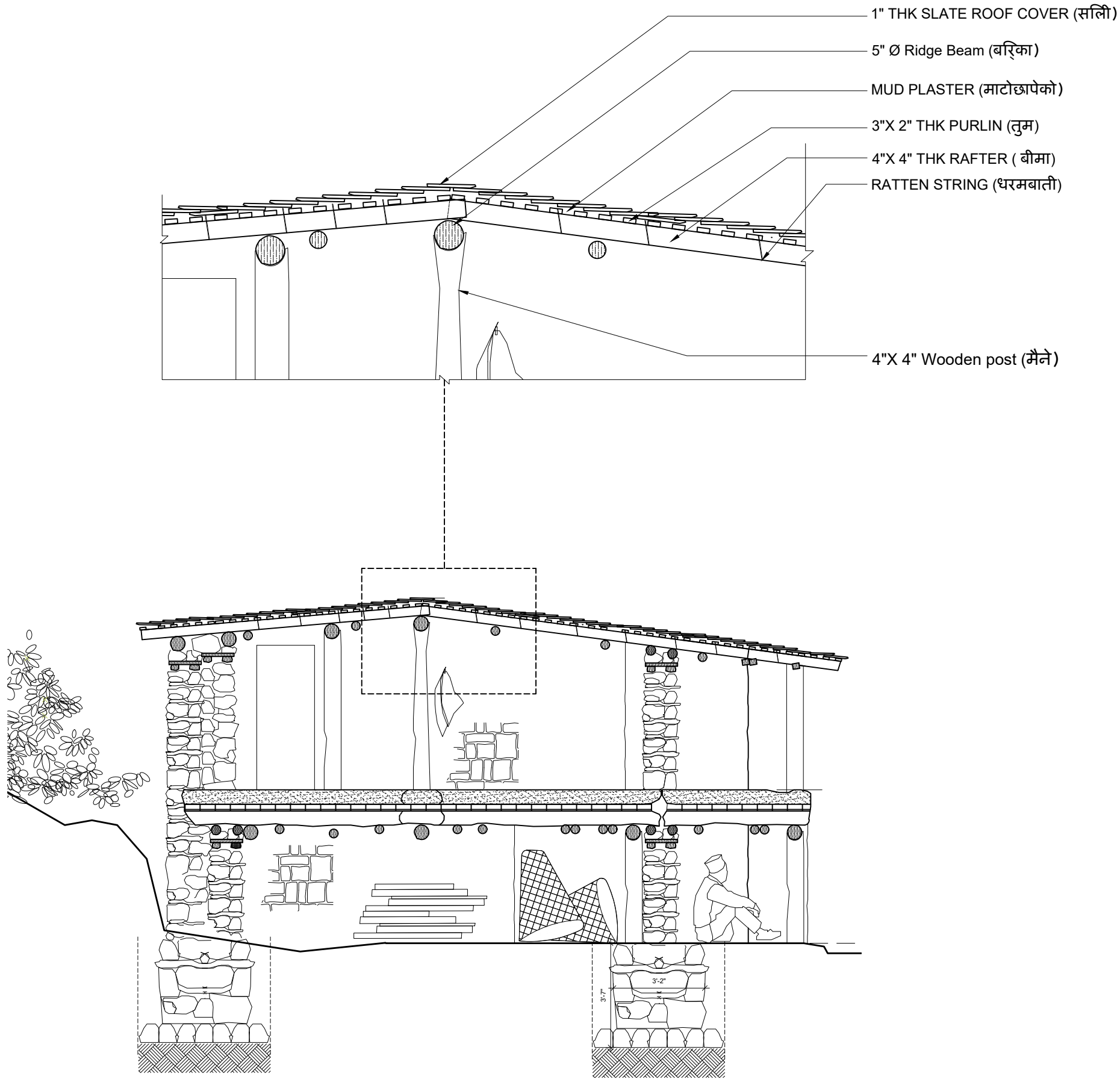
CHECKED BY:

DATE:  
JULY 2025

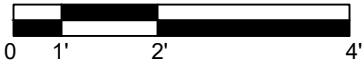
PAGE NUMBER:  
  
BT4\_(9)

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS





SECTION AT X



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ROOF DETAILS**

**CIVIL ENGINEER:**

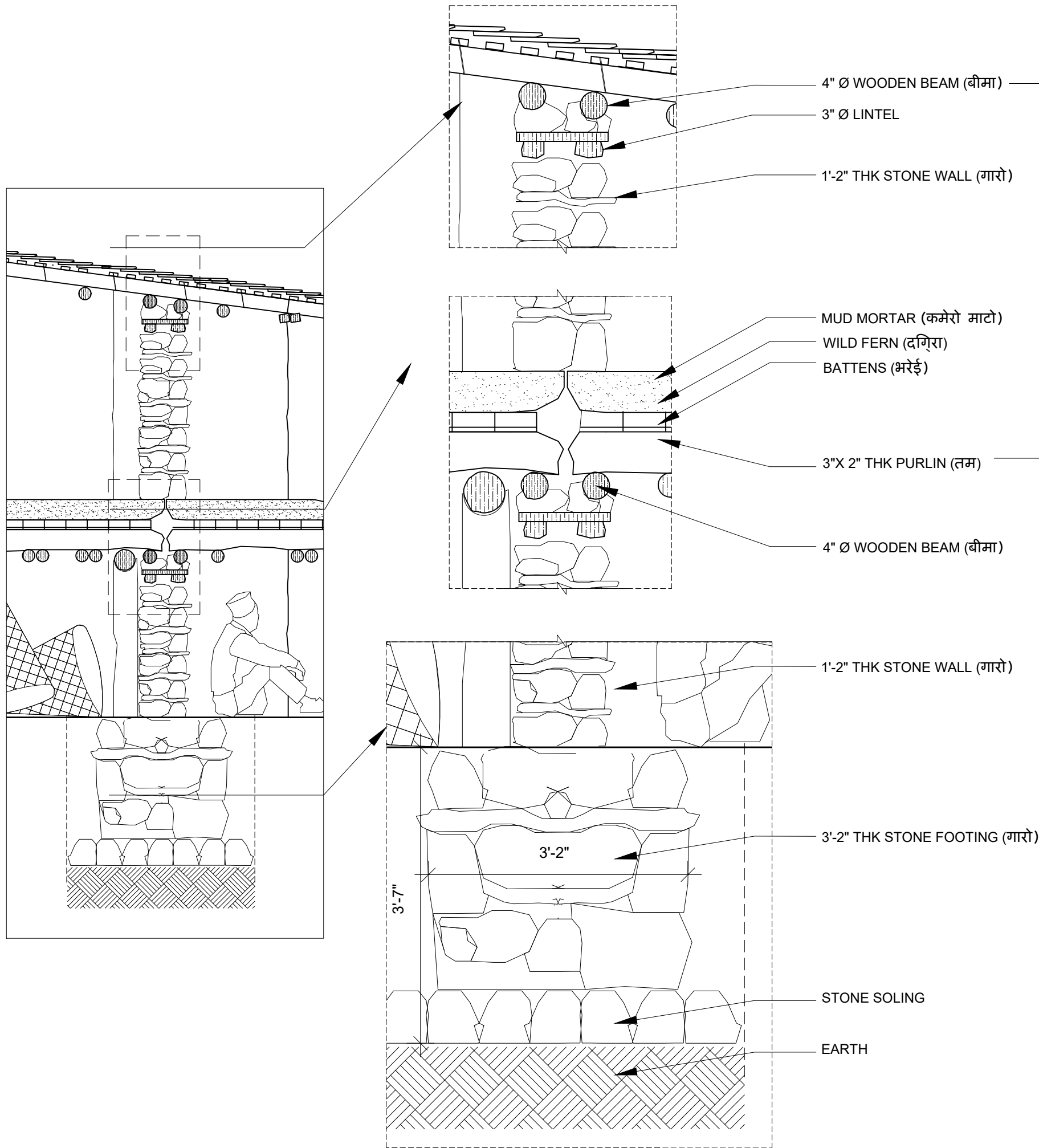
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT4\_(10)



ISSUE IDENTIFICATION ON ROOF:

1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material

RECOMMENDATION FOR NEW

1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.

ISSUE IDENTIFICATION ON FIRST FLOOR:

1. High chance of termite infestation (termite attack) in wooden beams, rafters, joists.
2. Lack of seasoning in wooden elements.

RECOMMENDATION FOR NEW

1. Treatment of all structural timber with appropriate anti-termite chemicals before installation.

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: WALL SECTION**

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

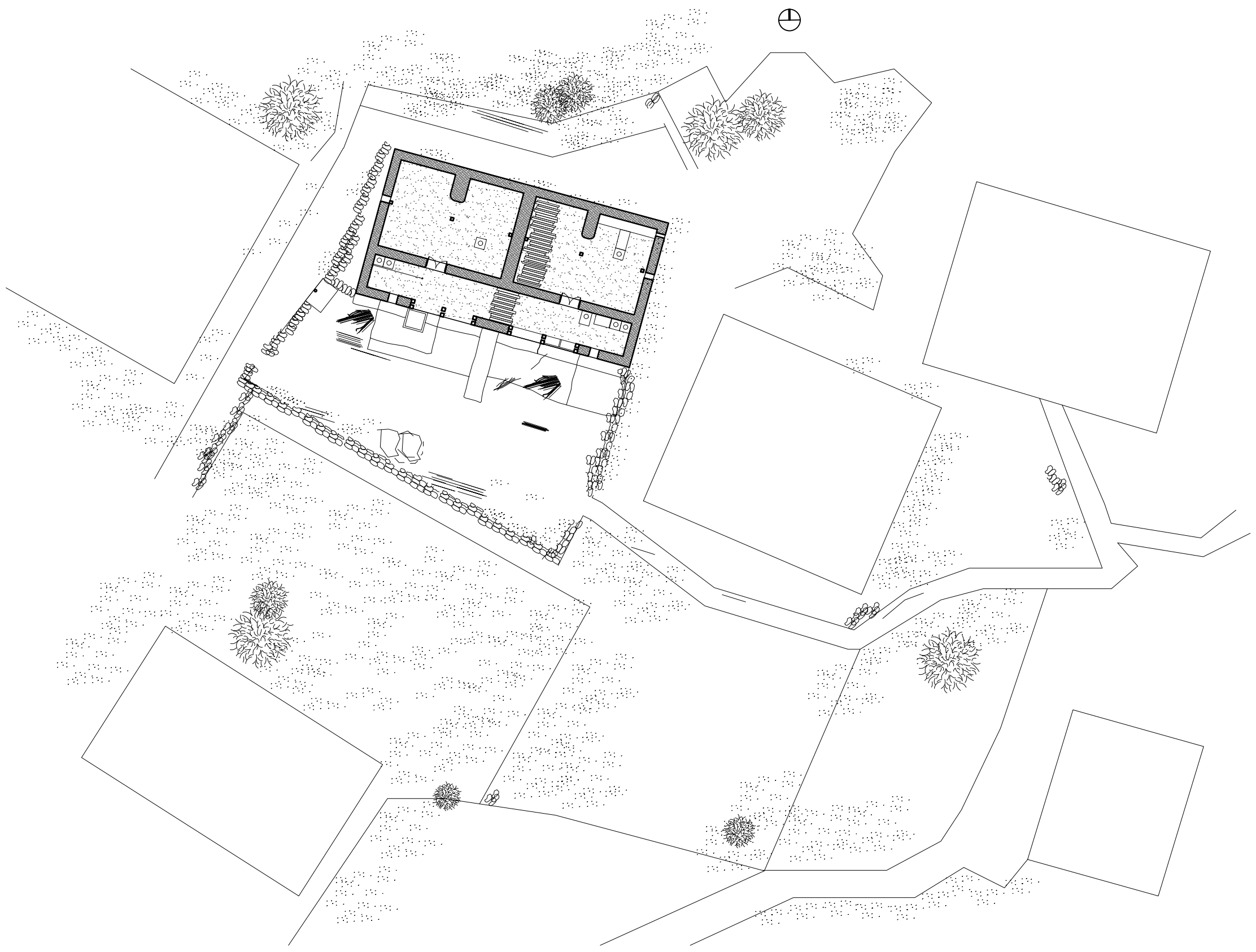
PAGE NUMBER:  
BT4\_(11)

# ARCHITECTURAL DRAWINGS

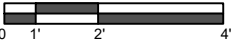
## LUGUM, EAST RUKUM

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT5_1
2	GROUND FLOOR PLAN	BT5_2
3	FIRST FLOOR PLAN	BT5_3
4	ATTIC FLOOR PLAN	BT5_4
5	BEAM LAYOUT	BT5_5
6	ROOF FLOOR PLAN	BT5_6
7	ELEVATION	BT5_7
8	ELEVATION	BT5_8
9	ELEVATION	BT5_9
10	ELEVATION	BT5_10
11	SECTION	BT5_11
12	3D	BT5_12
13	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT5_13
14	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT5_14

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU



SITE PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT5\_1

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

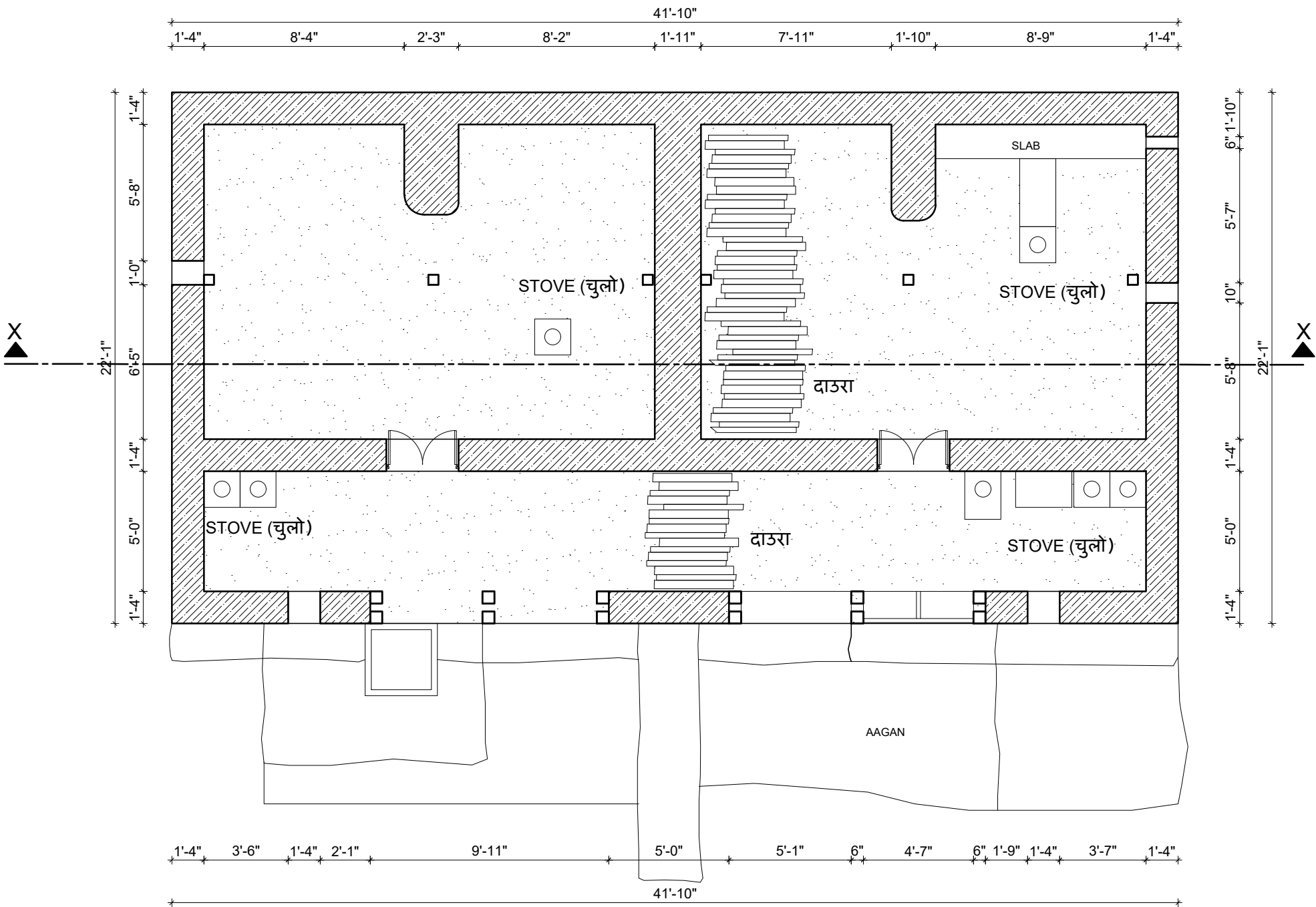
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT5\_ (2)



GROUND FLOOR PLAN



INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

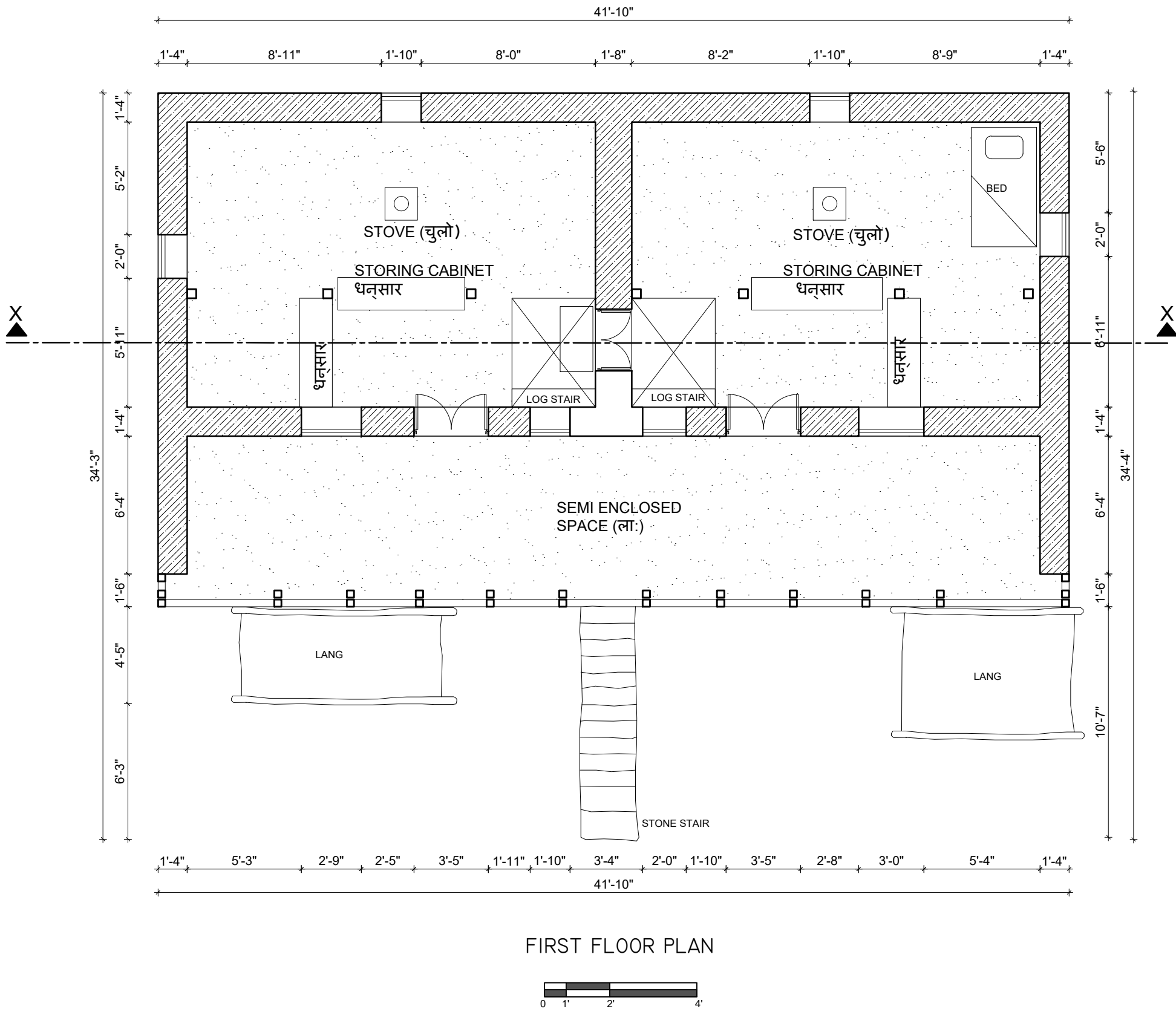
ARCHITECT:

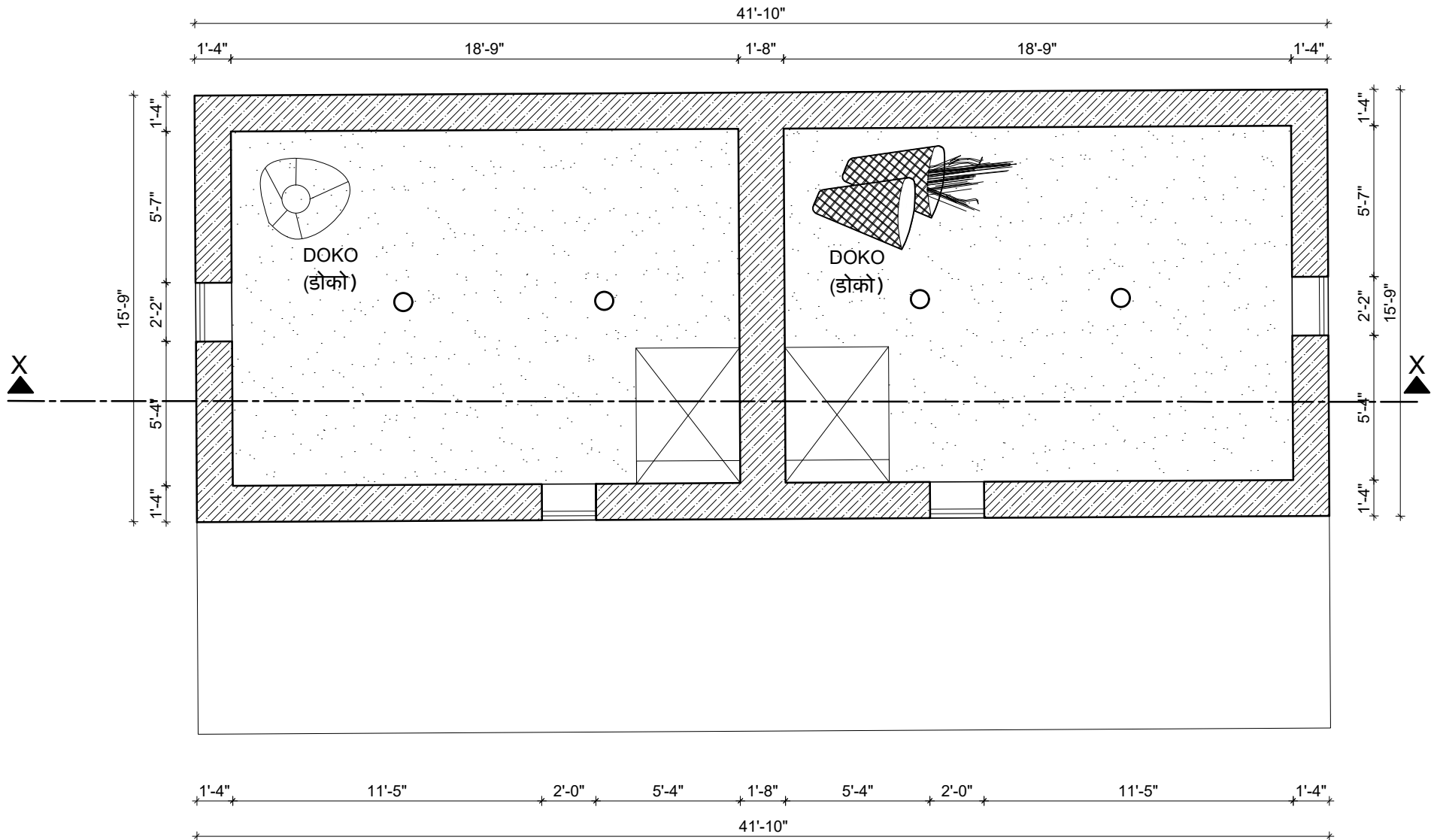
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT5\_ (3)





ATTIC FLOOR PLAN

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

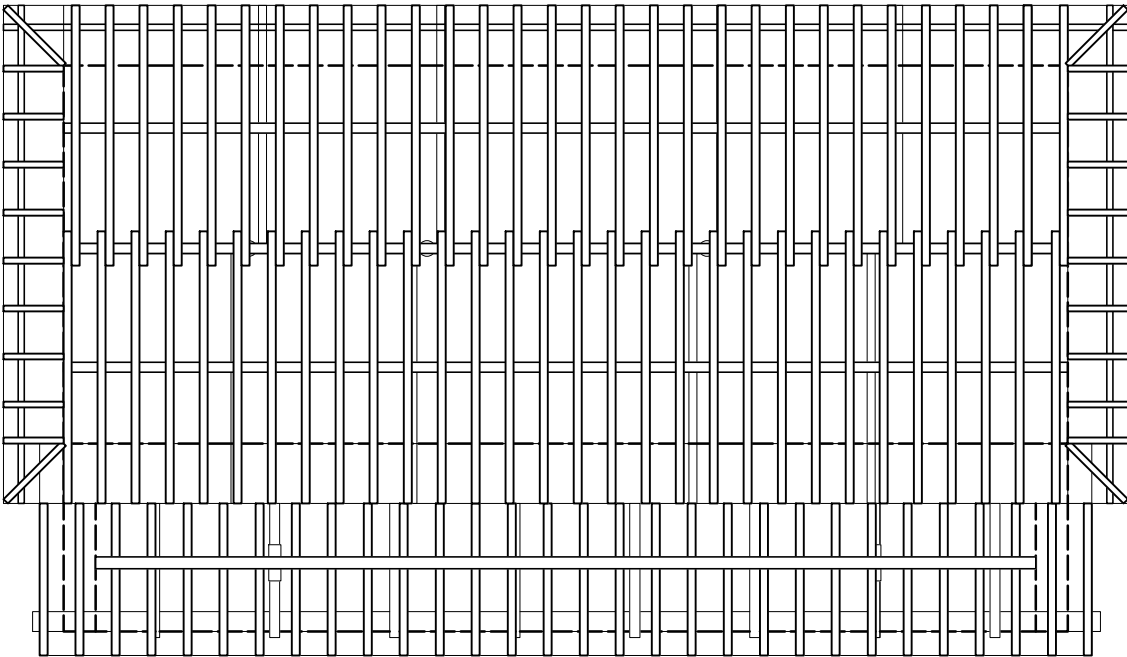
ARCHITECT:

DRAWN BY:

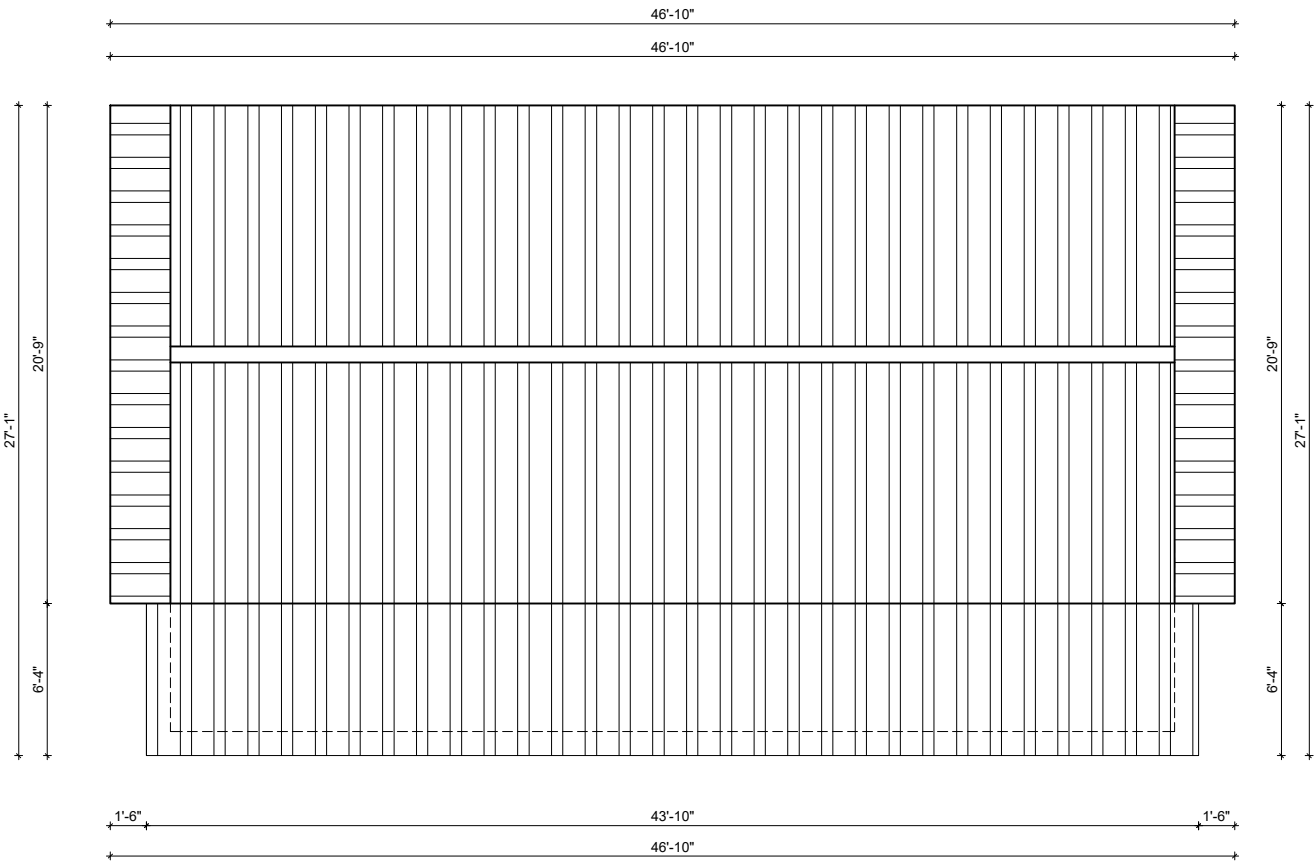
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT5\_ (4)



BEAM LAYOUT PLAN



ROOF FLOOR PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

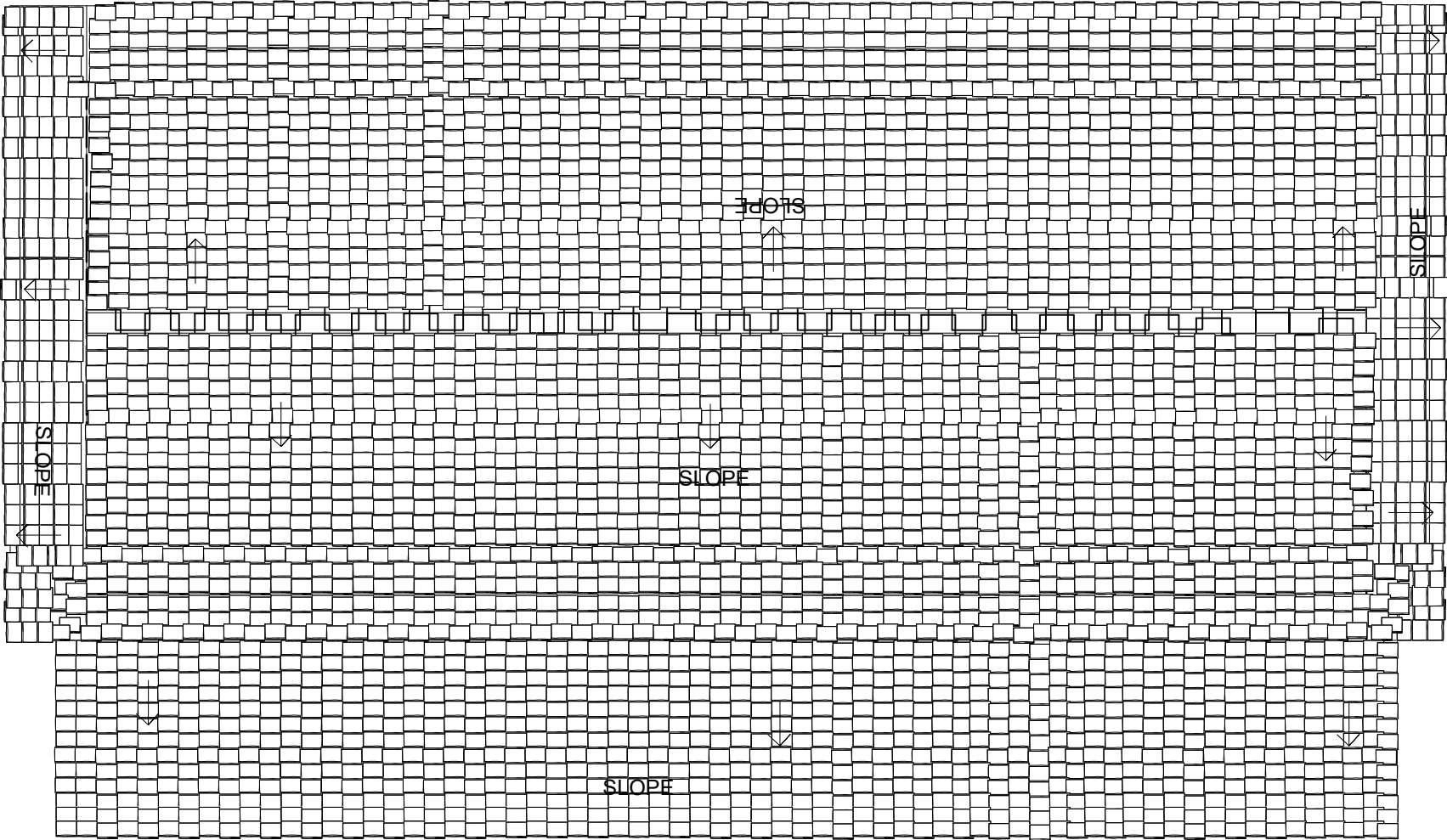
DRAWN BY:

CHECKED BY:

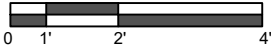
DATE:  
JULY 2025

PAGE NUMBER:  
  
BT5\_ (5)





ROOF PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT5\_ (6)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

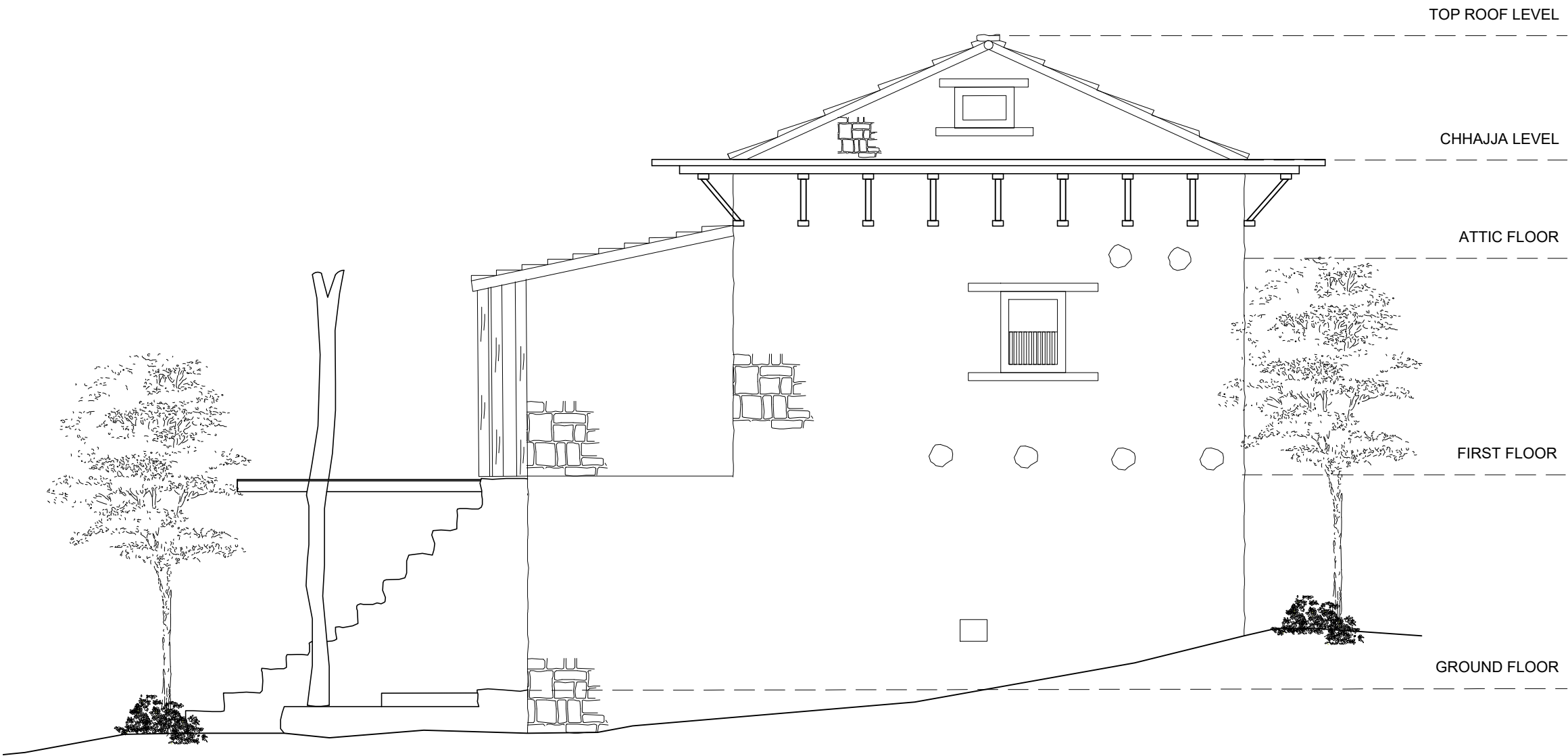
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT5\_ (7)





EAST ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT5\_ (8)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

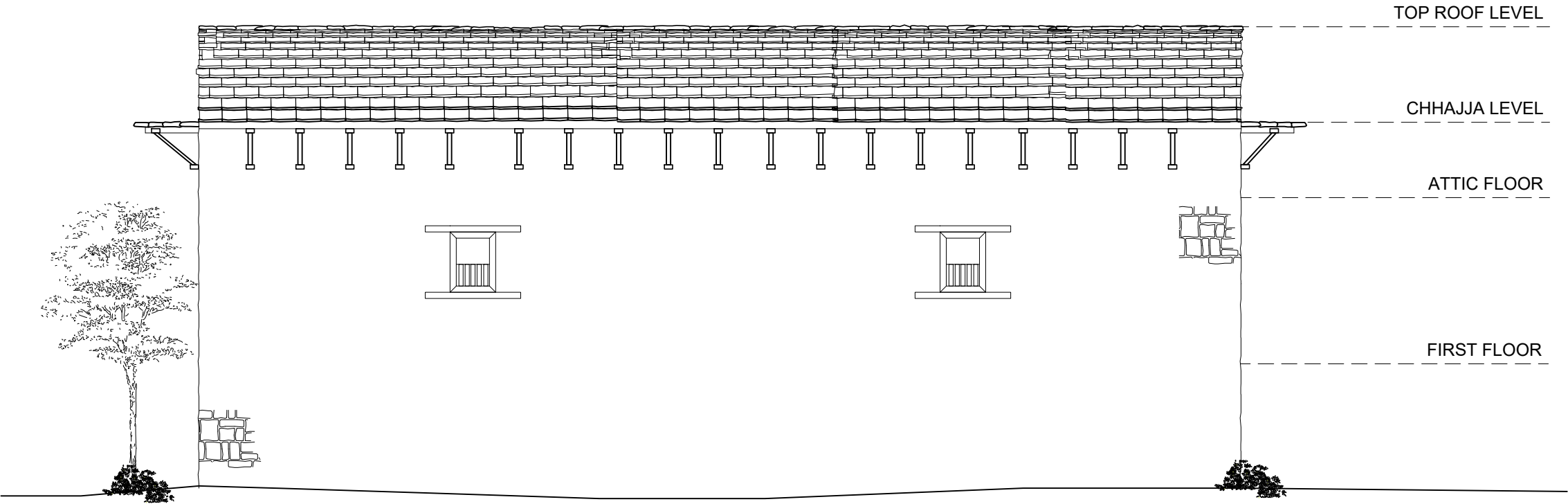
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT5\_ (9)



SOUTH ELEVATION



INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

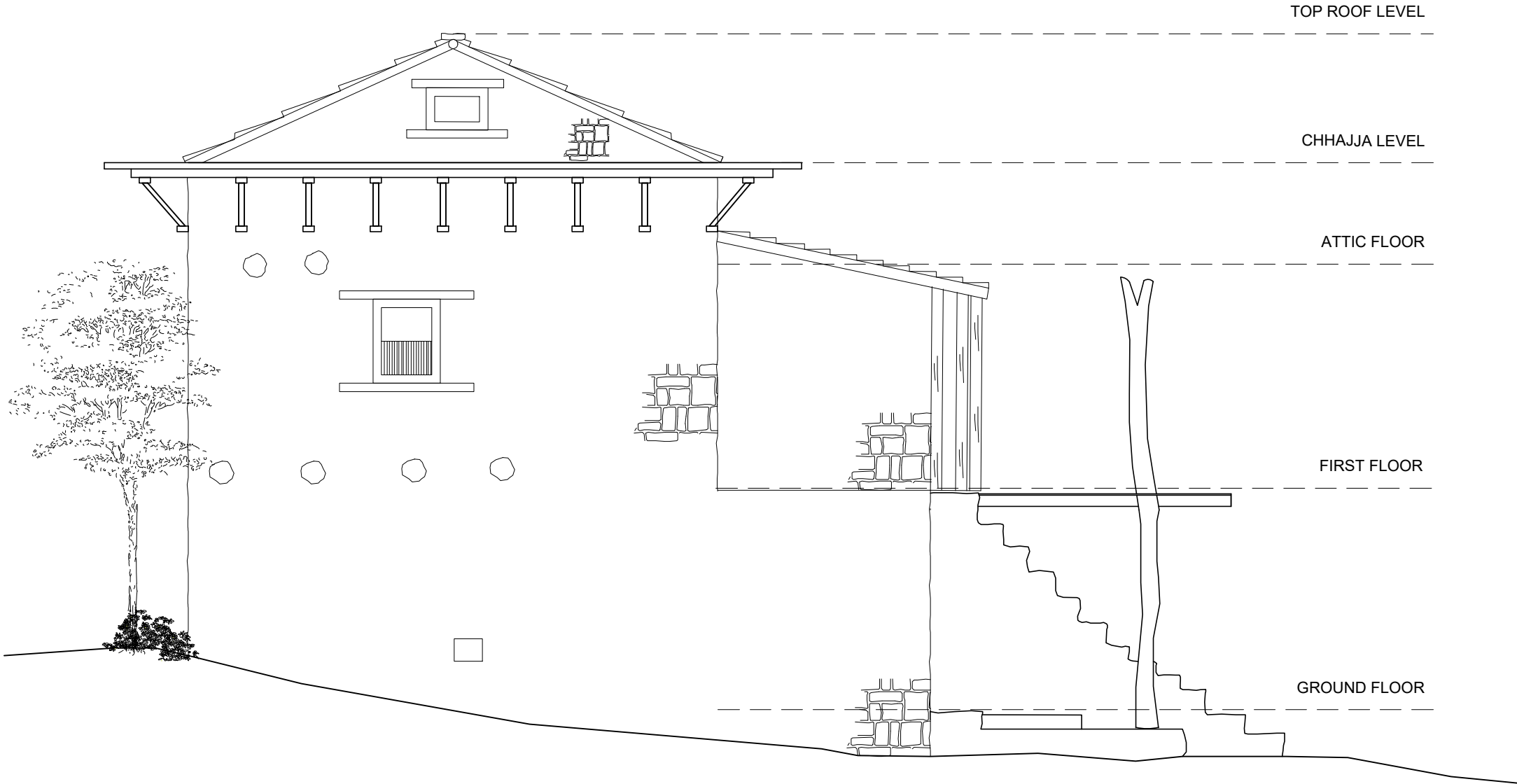
ARCHITECT:

DRAWN BY:

CHECKED BY:

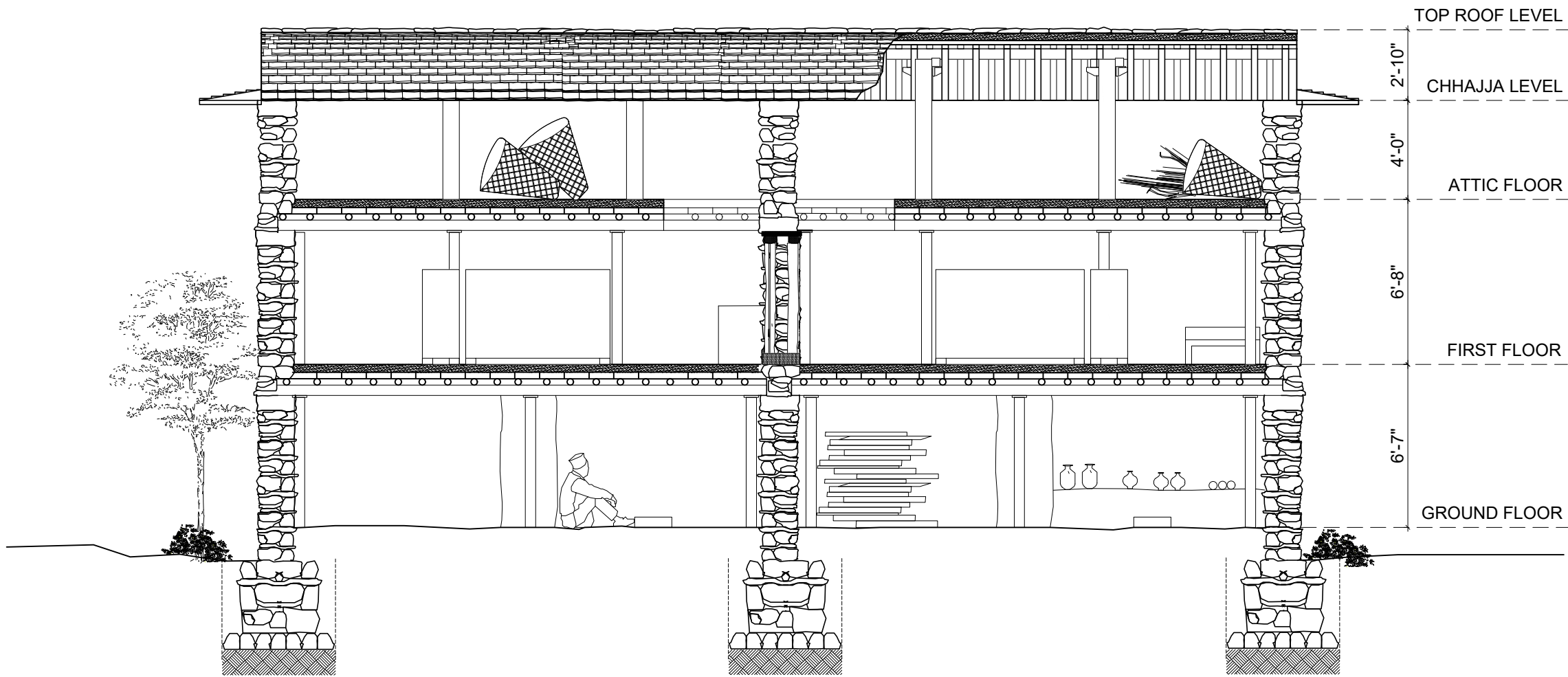
DATE:  
JULY 2025

PAGE NUMBER:  
  
BT5\_ (10)



WEST ELEVATION





SECTION AT X-X



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

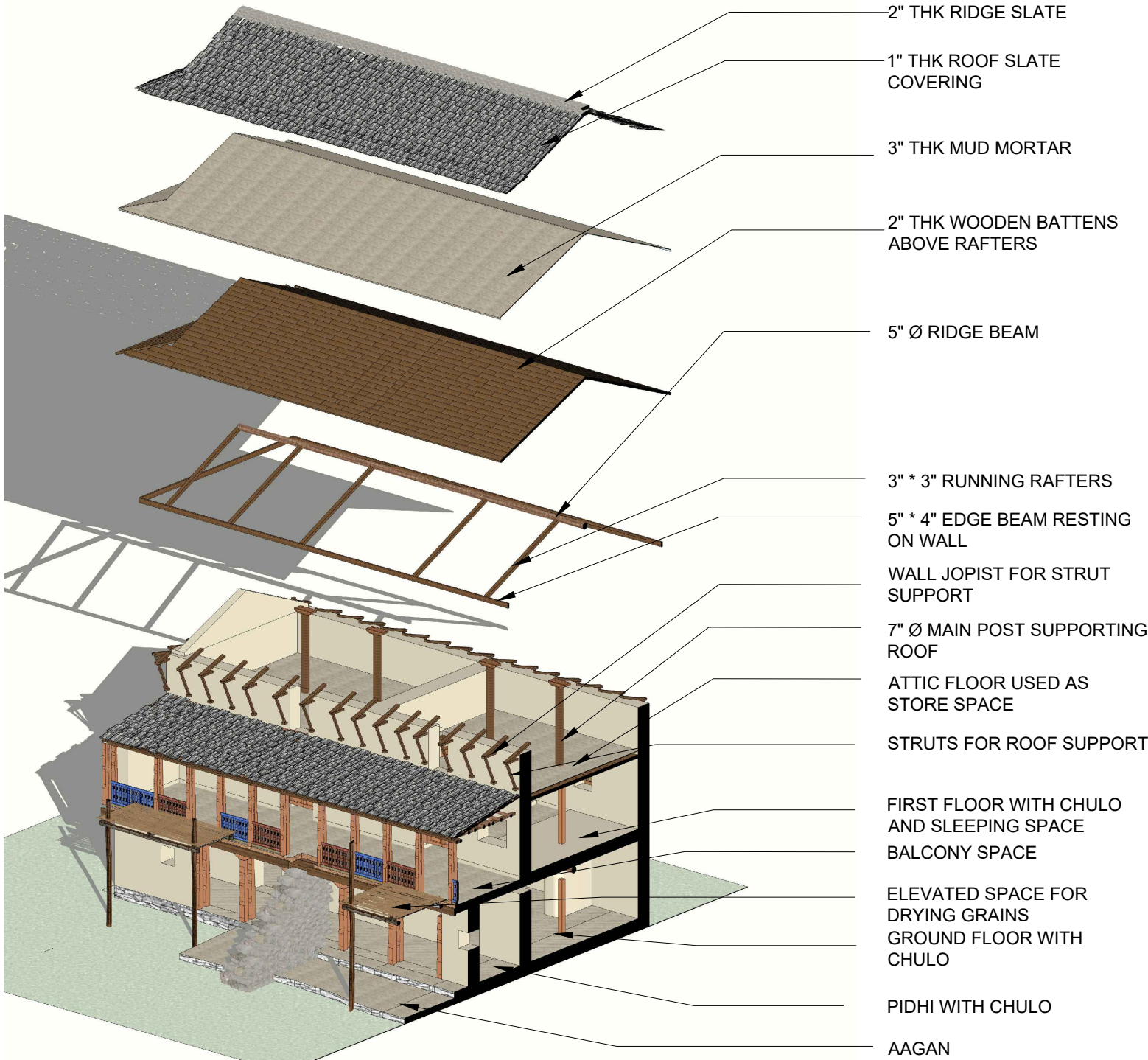
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT5\_ (11)





INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: 3D

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT5\_ (12)

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS



2" THK SLATE COVERING

2" THK RIDGE STONE (गारो)

3" THK MUD SLAB

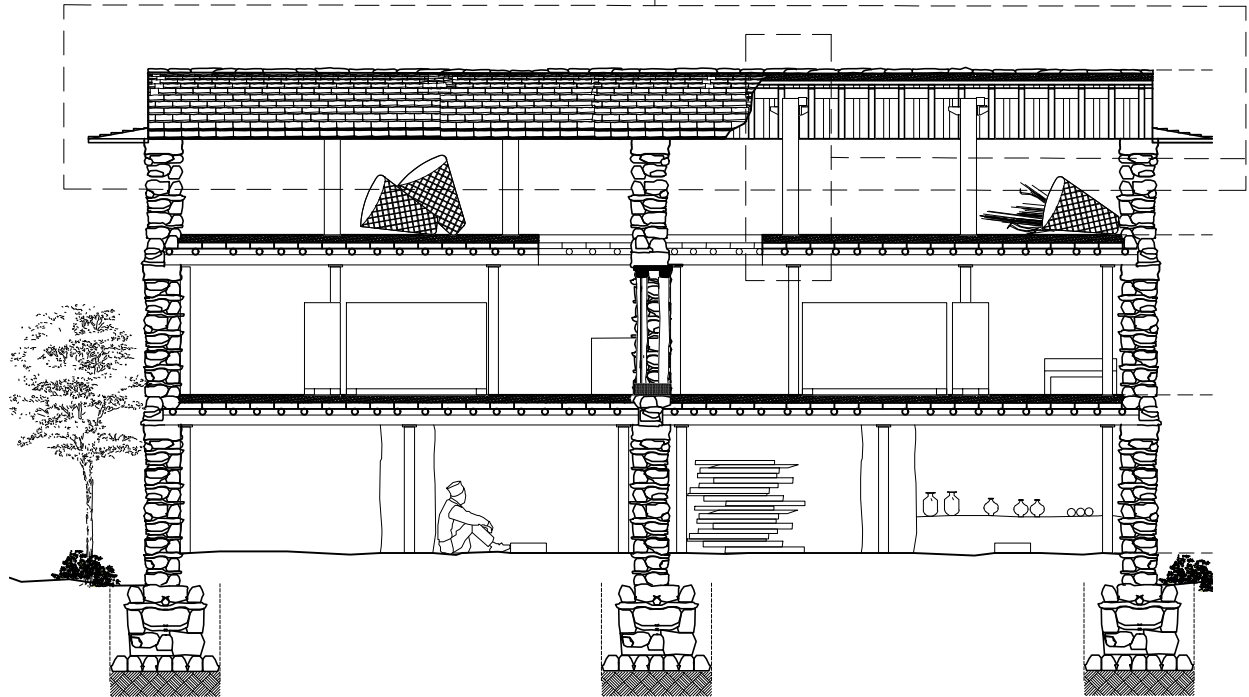
2" BATTENS

5"\*5" RIDGE BEAM

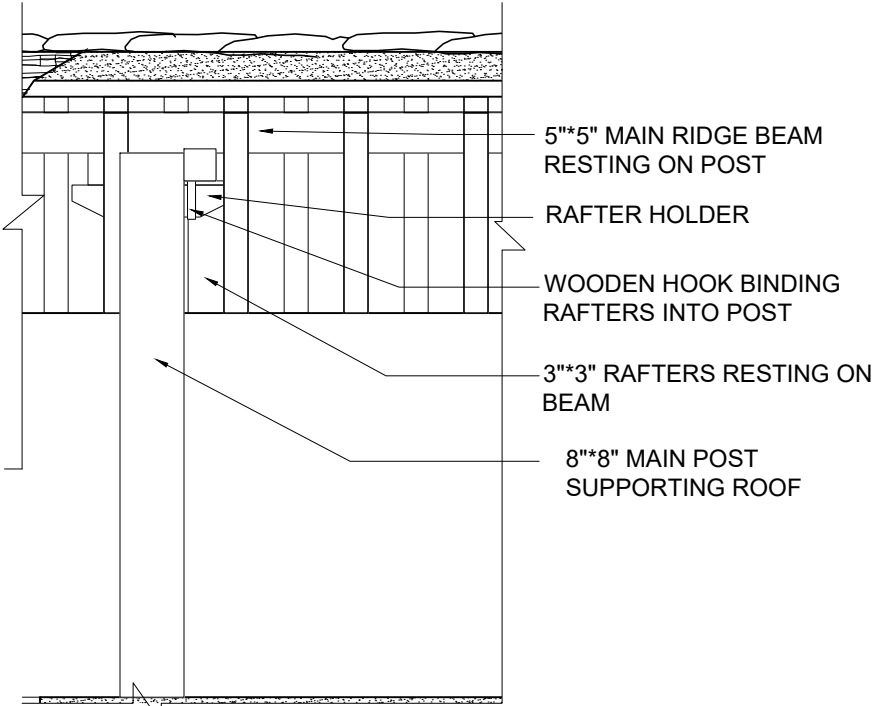
3"\*3" RAFTERS

1'7" THK STONE WALL

8"\*8" WOODEN POST



SECTION AT X-X



ISSUE IDENTIFICATION ON ROOF:

1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material

RECOMMENDATION FOR NEW

1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.

**INNOVATION ENGINEERING ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ROOF DETAIL**

**CIVIL ENGINEER:**

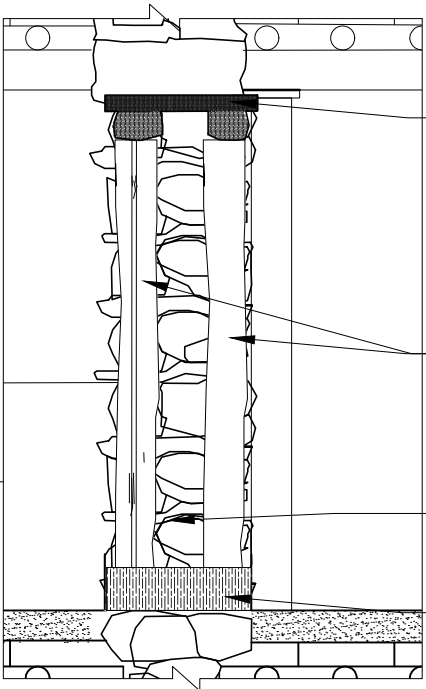
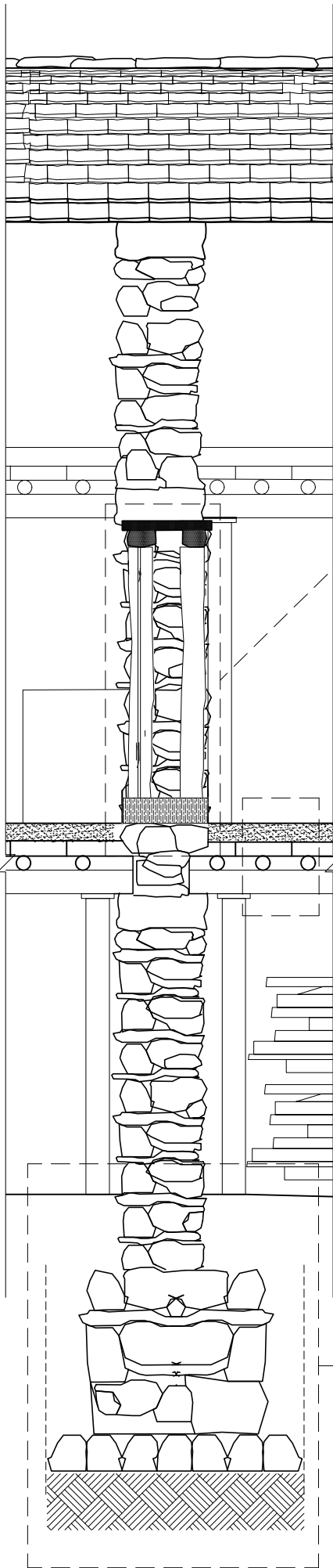
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

DATE:  
JULY 2025

PAGE NUMBER:  
BT5\_ (13)

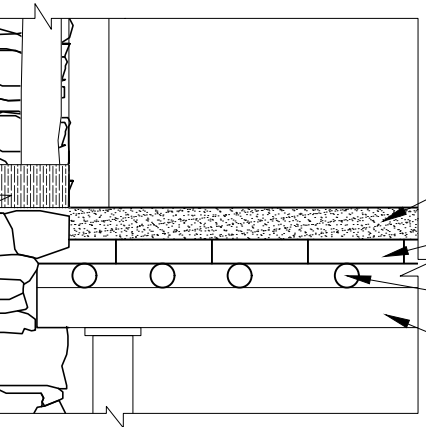


3" Ø LINTEL (WOODEN PLANK( बीमा))

DOOR FRAME

1'-7" THK STONE WALL (गारो)

5" SILL BAND (WOODEN PLANK)

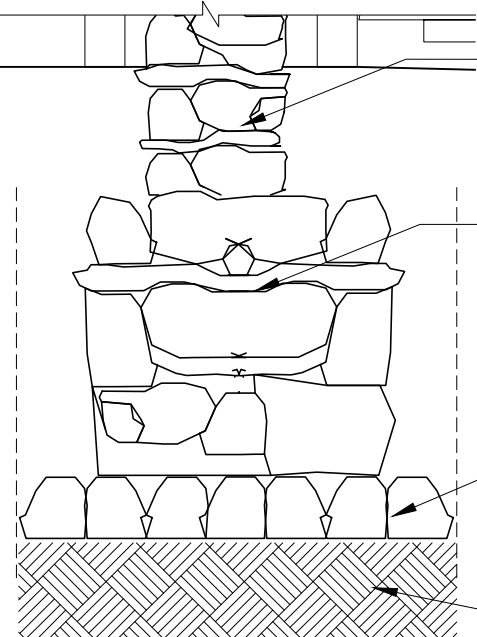


3" THK MUD MORTAR

2" THK WOODEN PLANKS (BATTENS)

4" Ø FLOOR JOIST

5"\*5" MAIN BEAM RESTING ON POST



1'-7" THK STONE WALL (गारो)

3'-9" THK STONE FOOTING (गारो)

STONE SOLING

EARTH

ISSUE IDENTIFICATION :

1. High chance of termite infestation (termite attack) in wooden beams, rafters, joists.
2. Lack of seasoning in wooden elements.
3. Dust and dirt on floor due to mud mortar.

RECOMMENDATION FOR NEW

1. Treatment of all structural timber with appropriate anti-termite chemicals before installation.
2. Dust and dirt can be minimized by replacing floor finishes with wooden planks.
3. Regular maintenance of structural members such as roof leaks, cracks and moisture.

INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: WALL SECTION

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

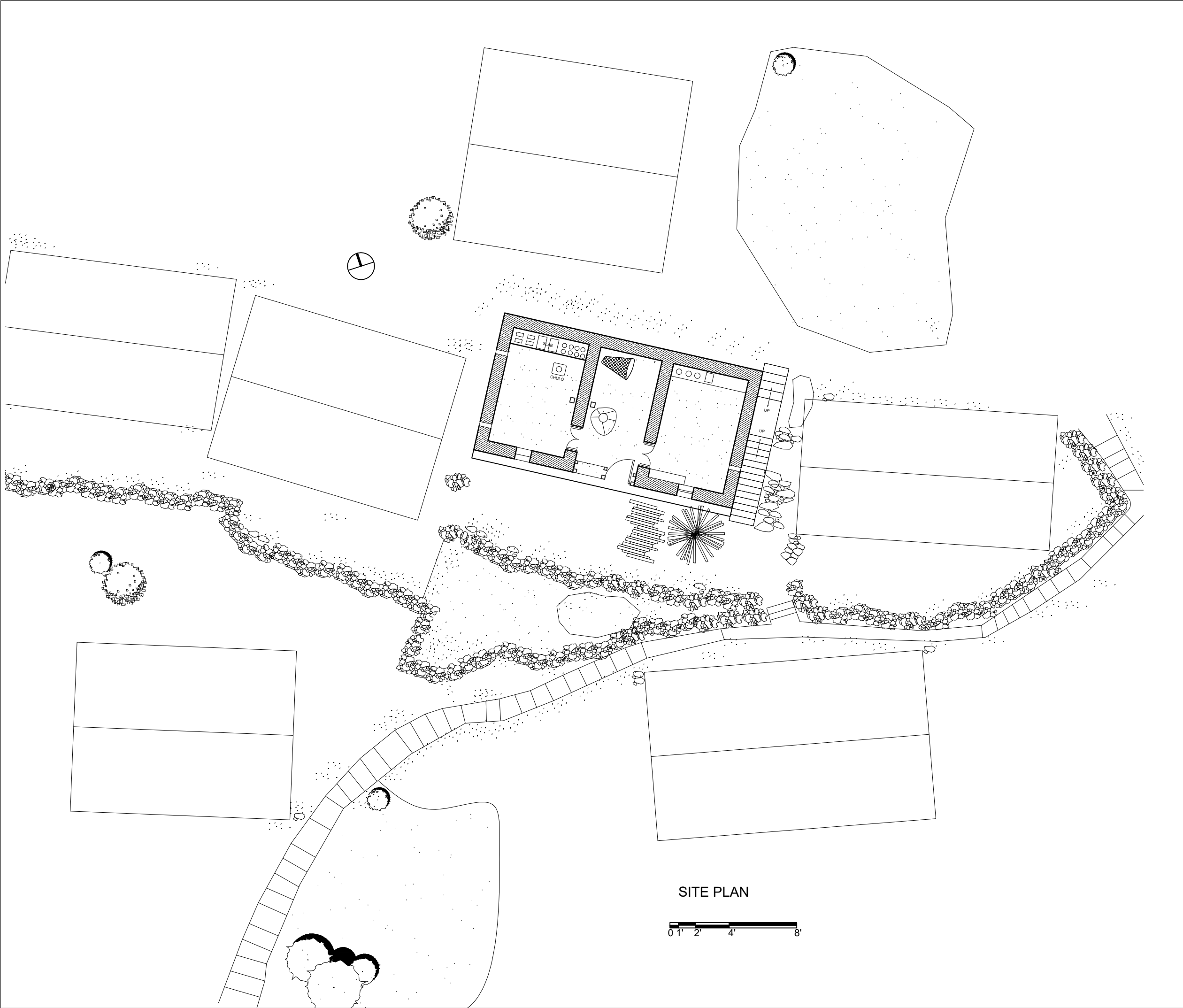
PAGE NUMBER:  
BT5\_ (14)

# ARCHITECTURAL DRAWINGS

## LUGUM-II , EAST RUKUM

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT6_1
2	GROUND FLOOR PLAN	BT6_2
3	FIRST FLOOR PLAN	BT6_3
4	ATTIC FLOOR PLAN	BT6_4
5	BEAM LAYOUT PLAN	BT6_5
6	ROOF DETAILS	BT6_6
7	ROOF FLOOR PLAN	BT6_7
8	ELEVATION	BT6_8
9	ELEVATION	BT6_9
10	ELEVATION	BT6_10
11	ELEVATION	BT6_11
12	SECTION	BT6_12
13	3D	BT6_13
14	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT6_14
15	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT6_15

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT6\_ (1)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

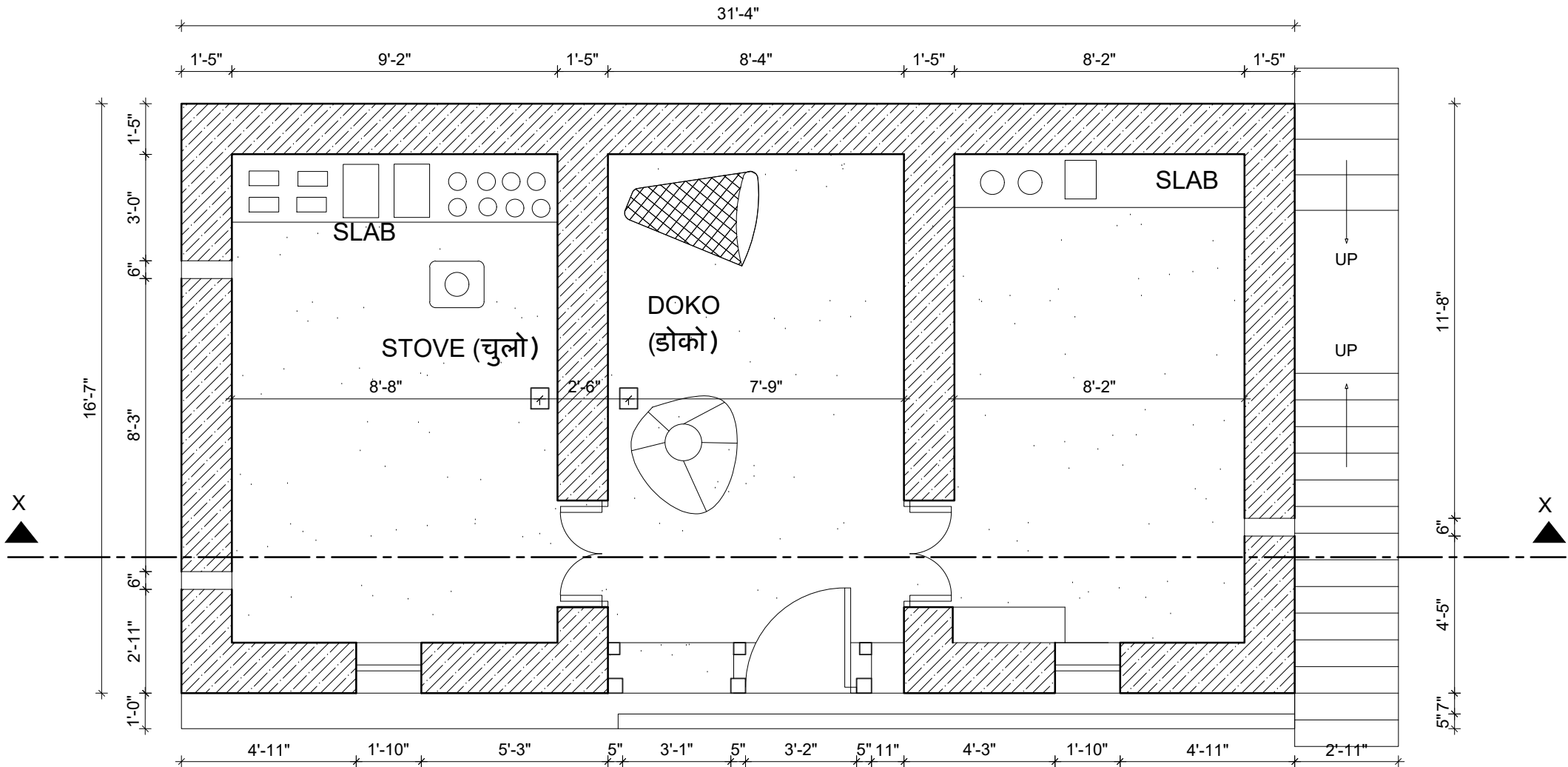
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT6\_ (2)



GROUND FLOOR PLAN  
AREA: 605 SQ.FT



INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

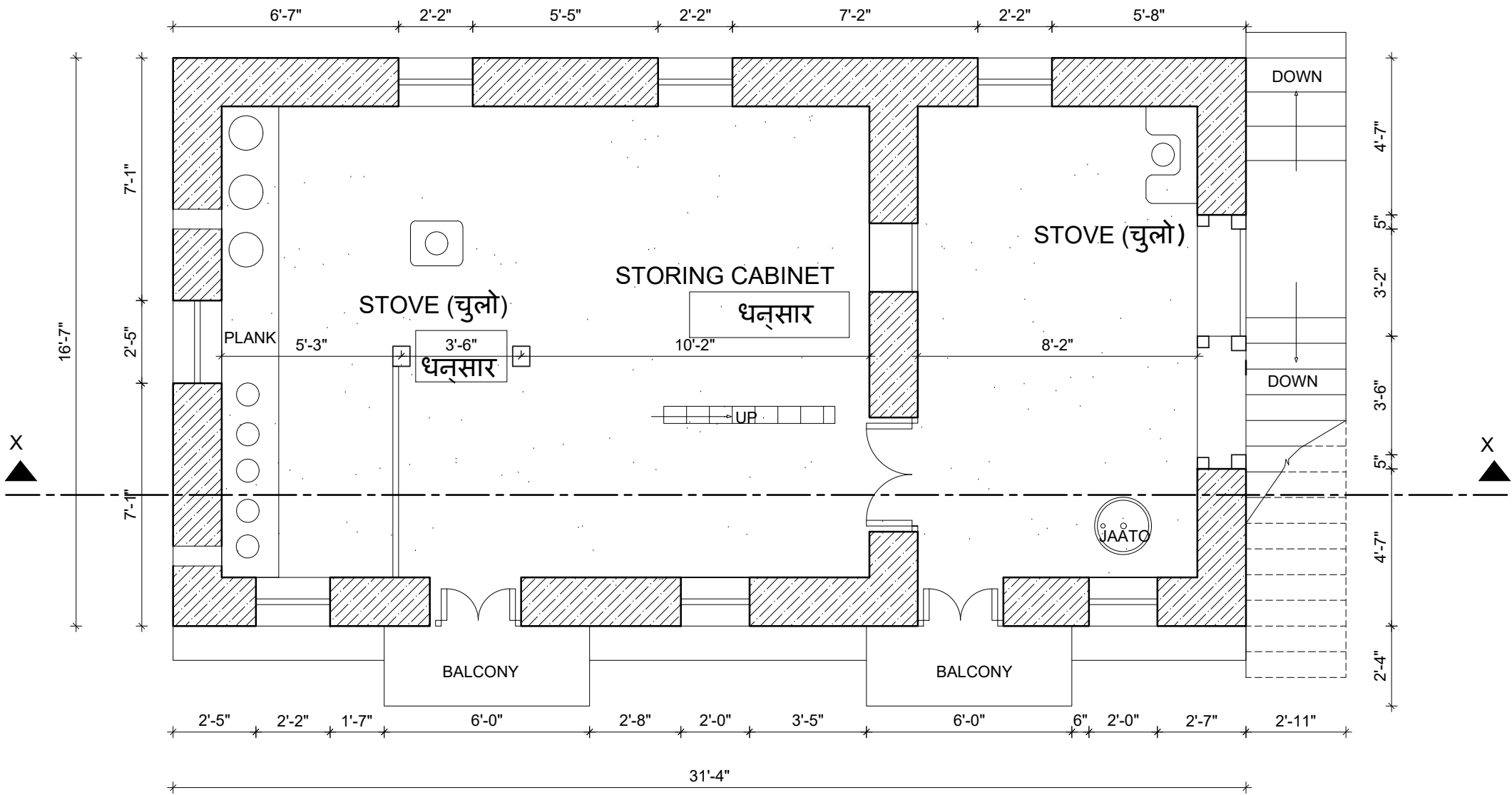
ARCHITECT:

DRAWN BY:

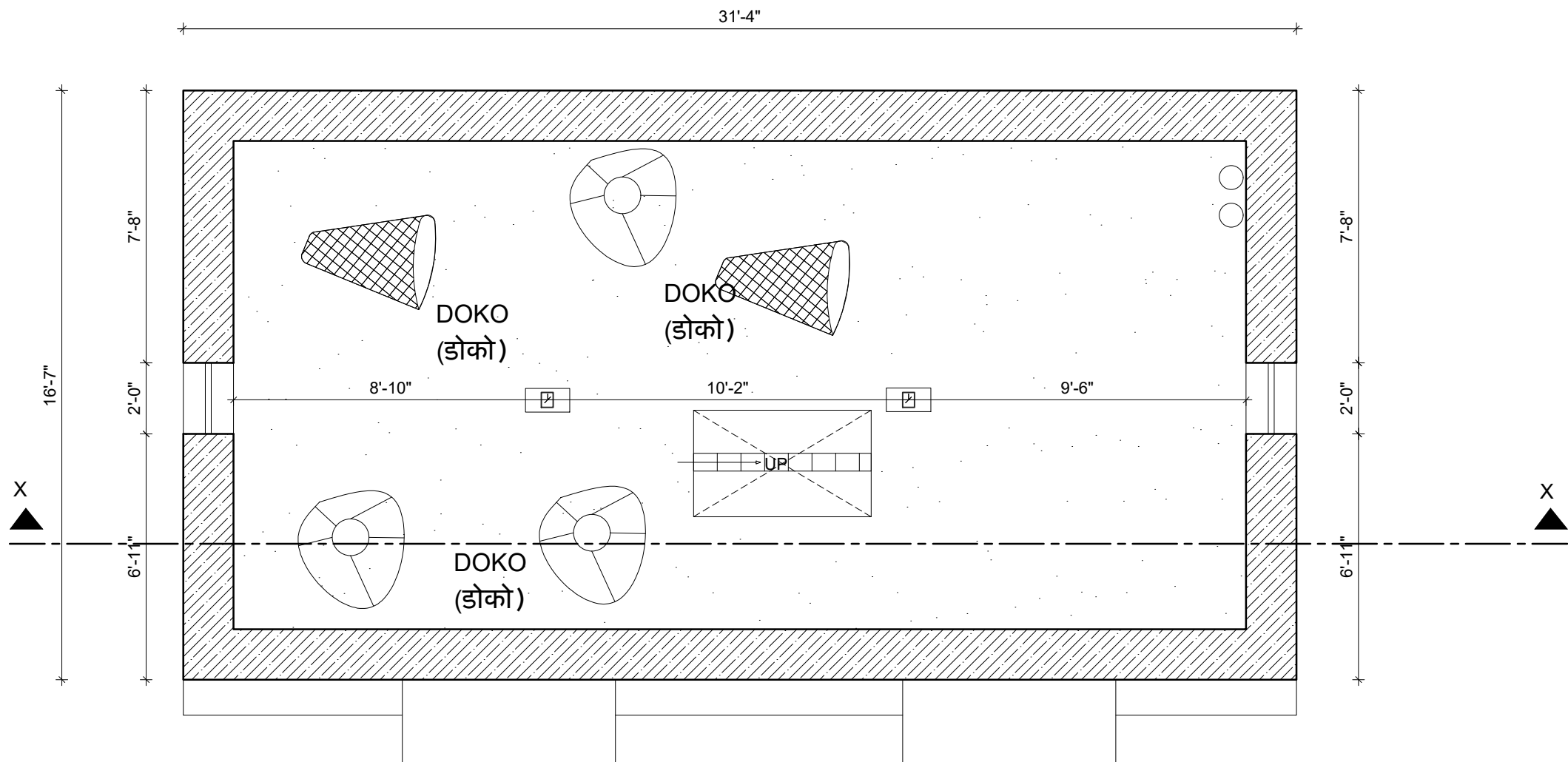
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT6\_ (3)



FIRST FLOOR PLAN  
AREA: 547 SQ.FT



ATTIC FLOOR PLAN  
AREA: 520 SQ.FT

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

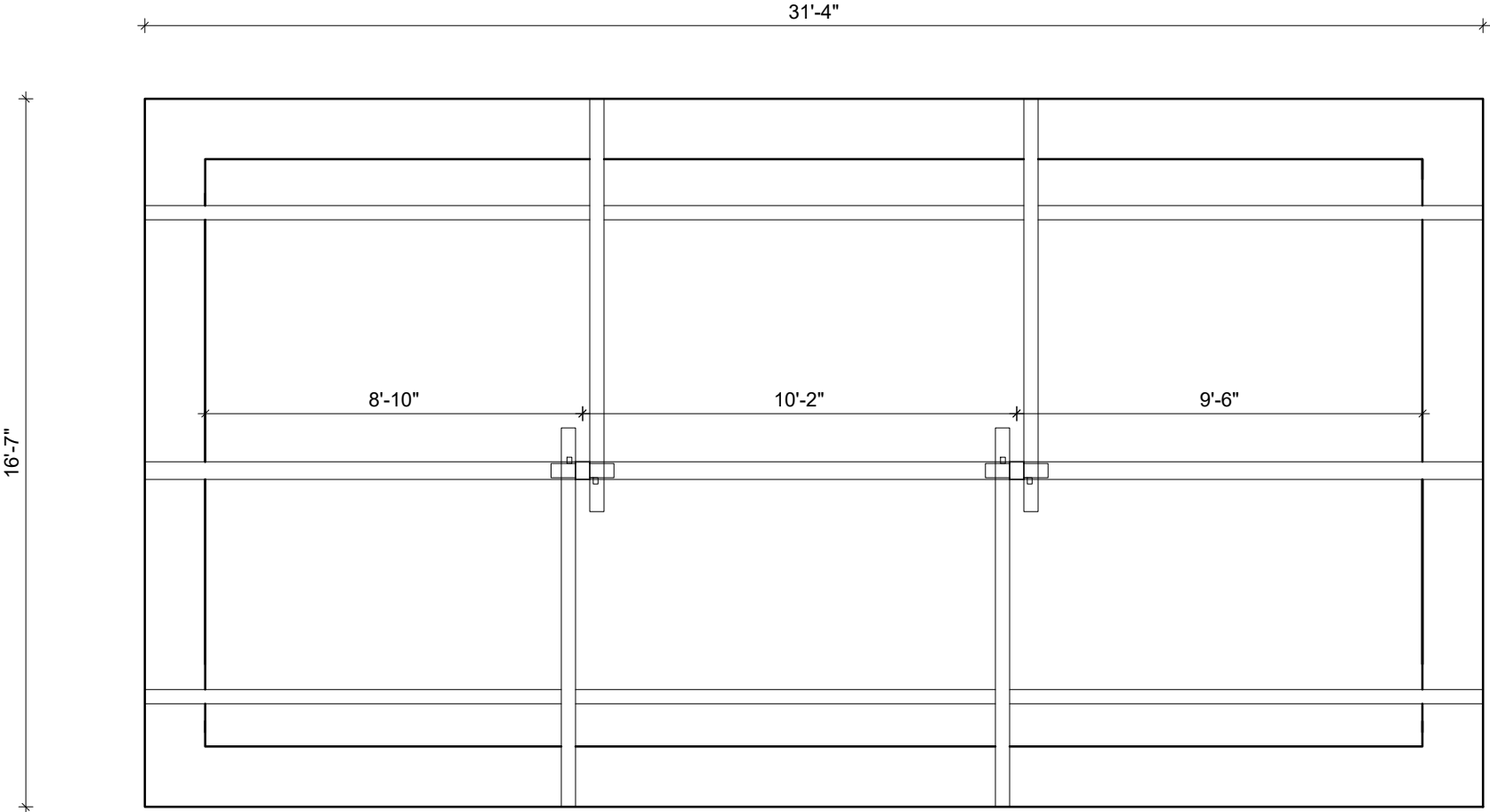
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT6\_ (4)



BEAM LAYOUT

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

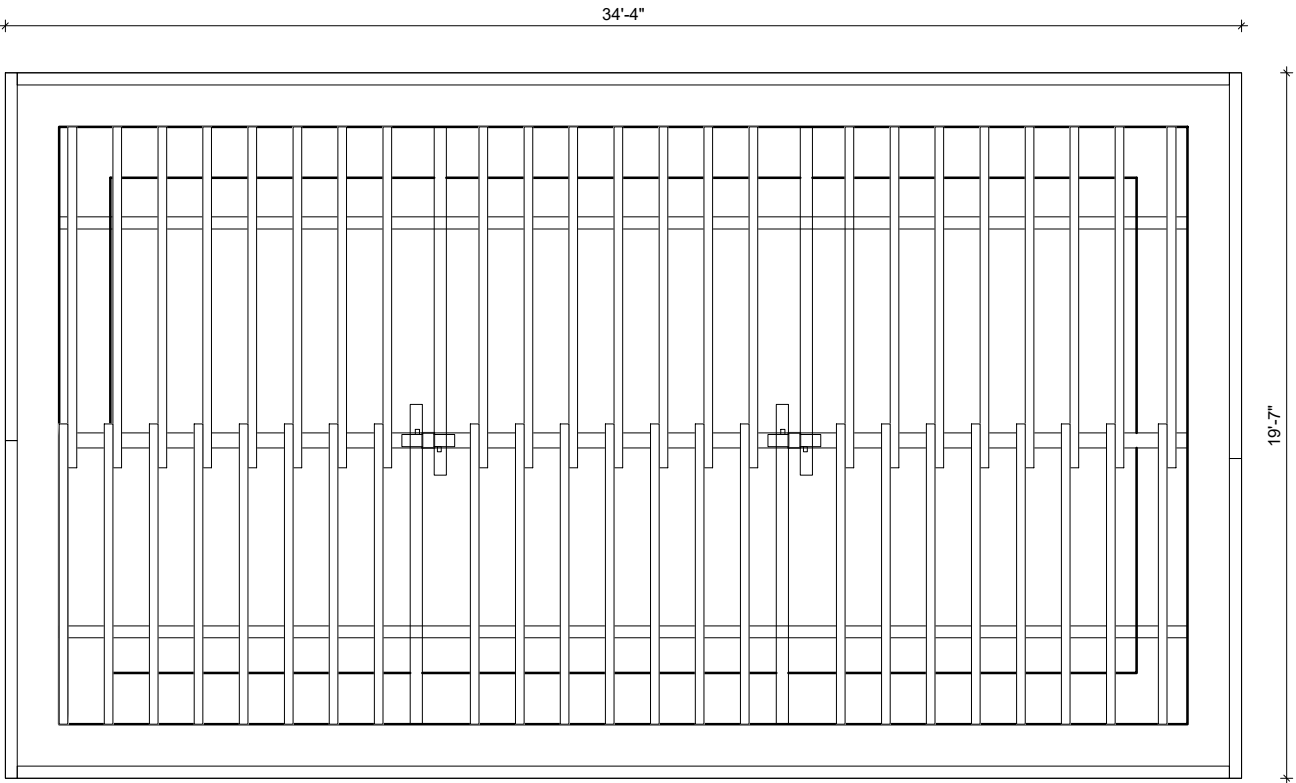
**DRAWN BY:**

**CHECKED BY:**

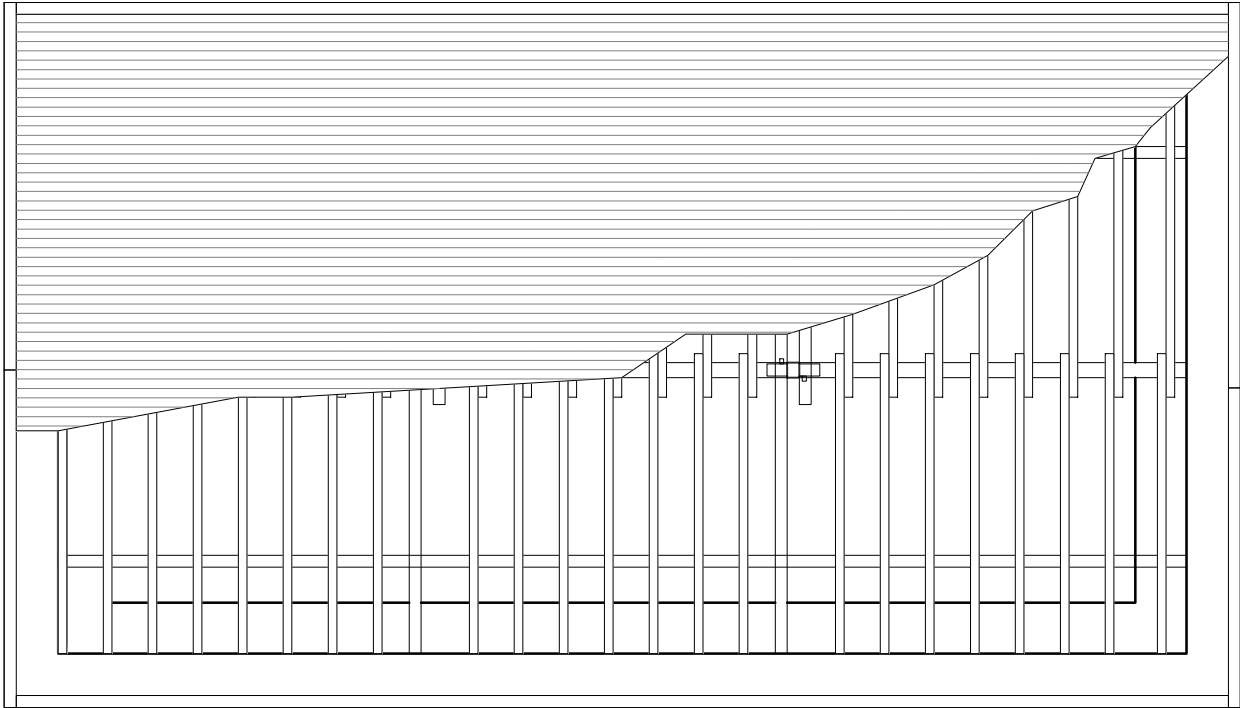
**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT6\_ (5)

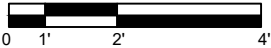




ROOF DETAIL



ROOF DETAIL



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT6\_ (6)

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

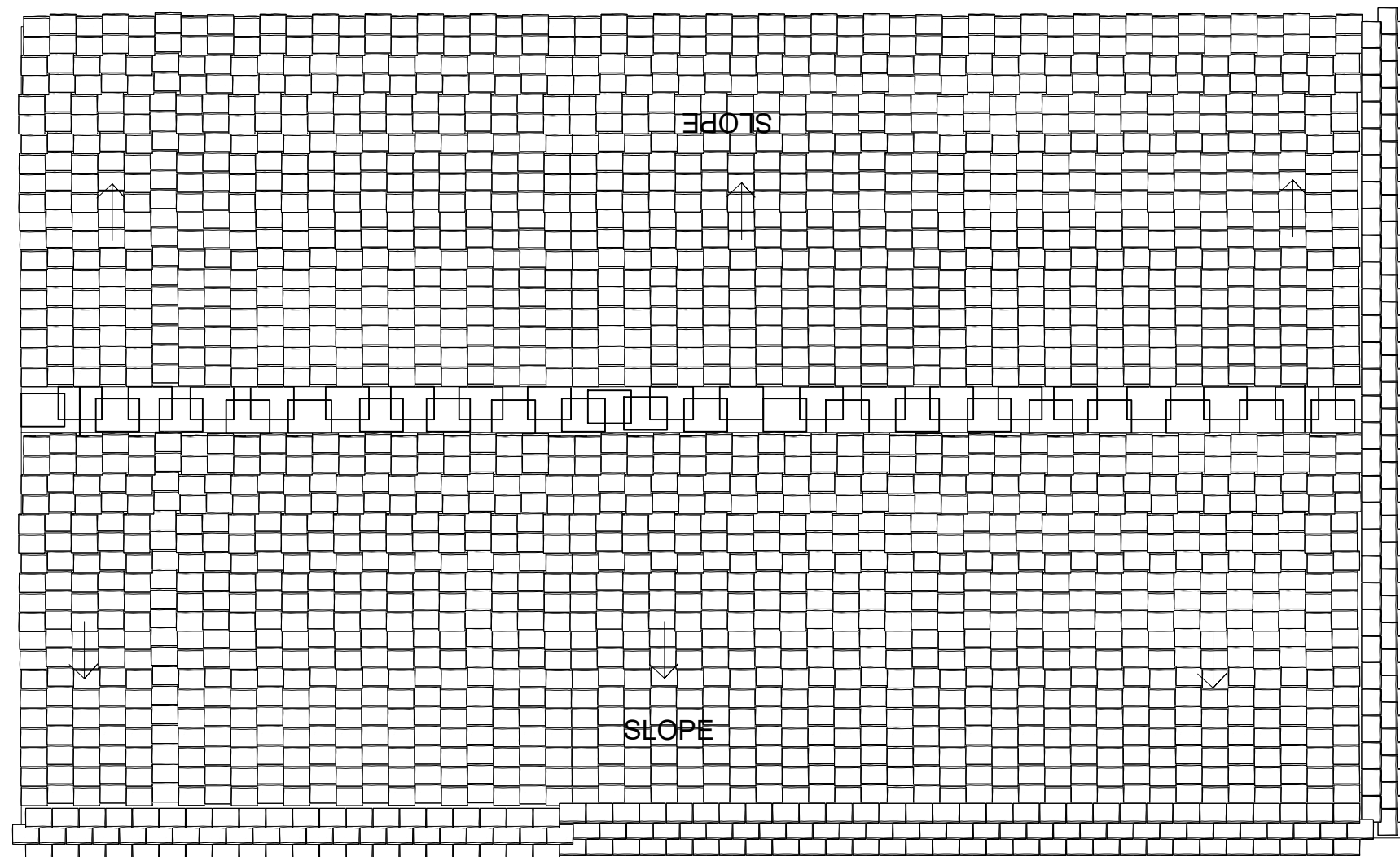
DRAWN BY:

CHECKED BY:

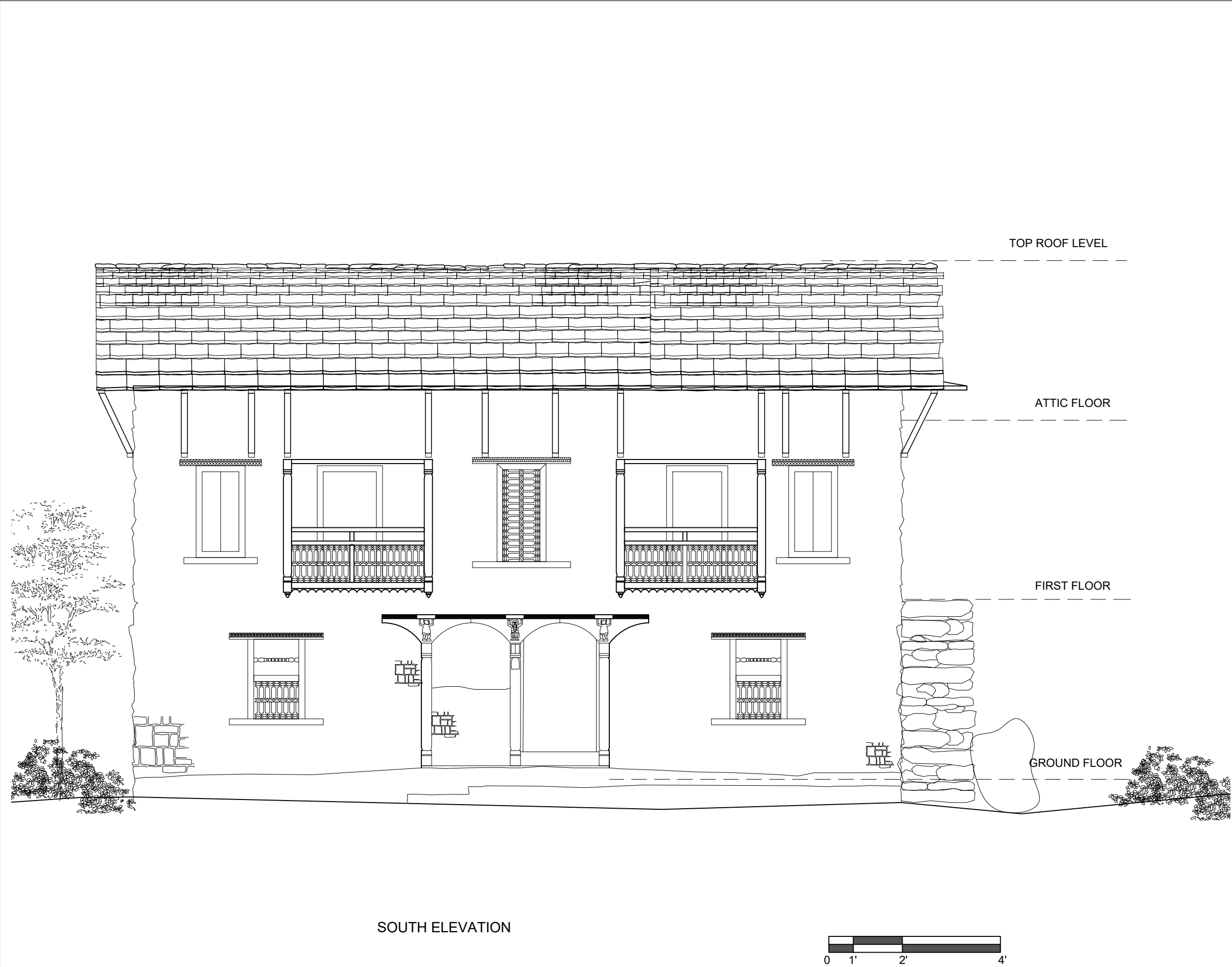
DATE:  
JULY 2025

PAGE NUMBER:

BT6\_ (7)



### ROOF PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

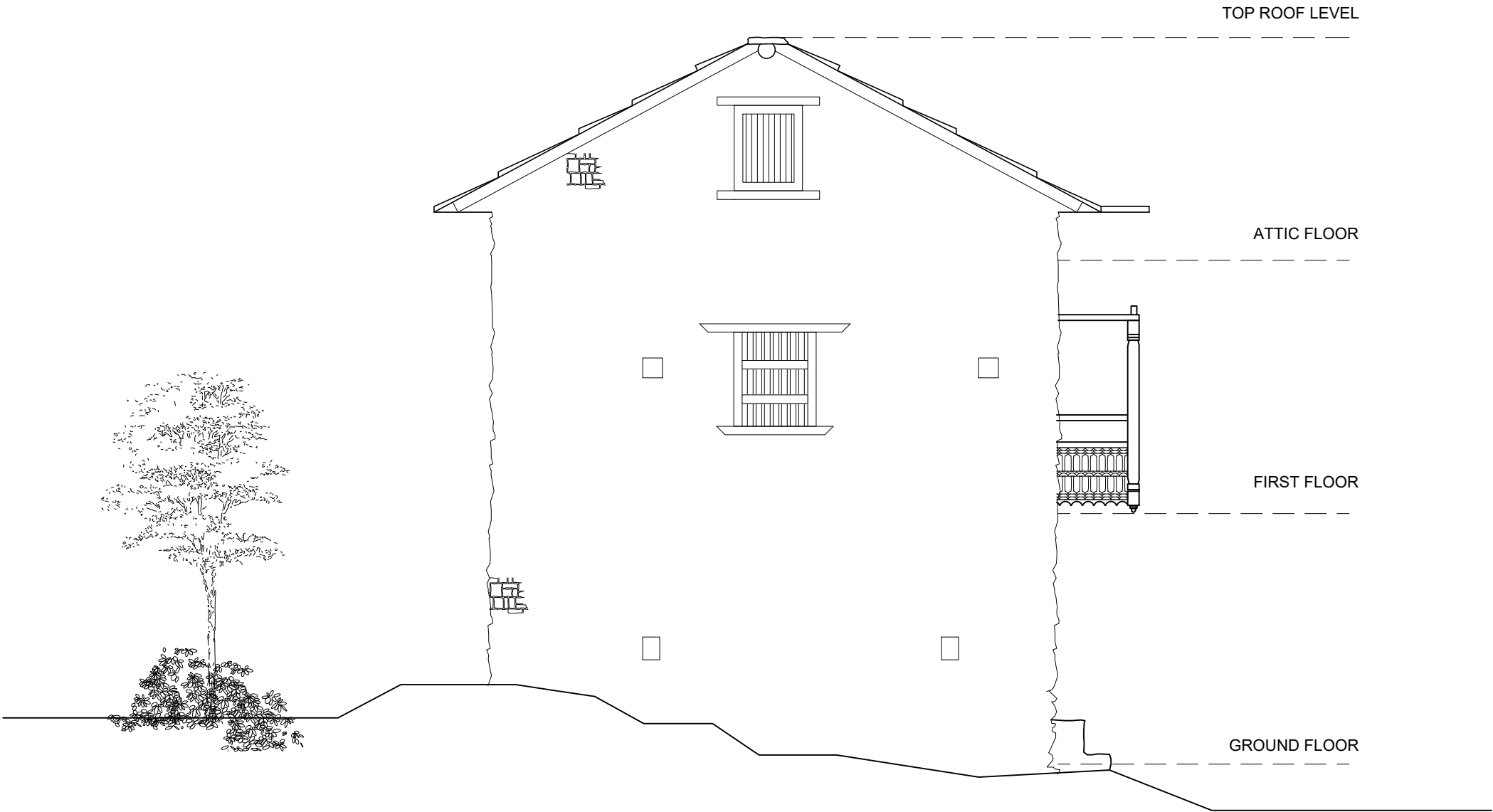
ARCHITECT:

DRAWN BY:

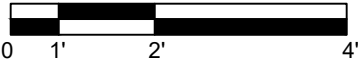
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT6\_ (8)



WEST ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT6\_ (9)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

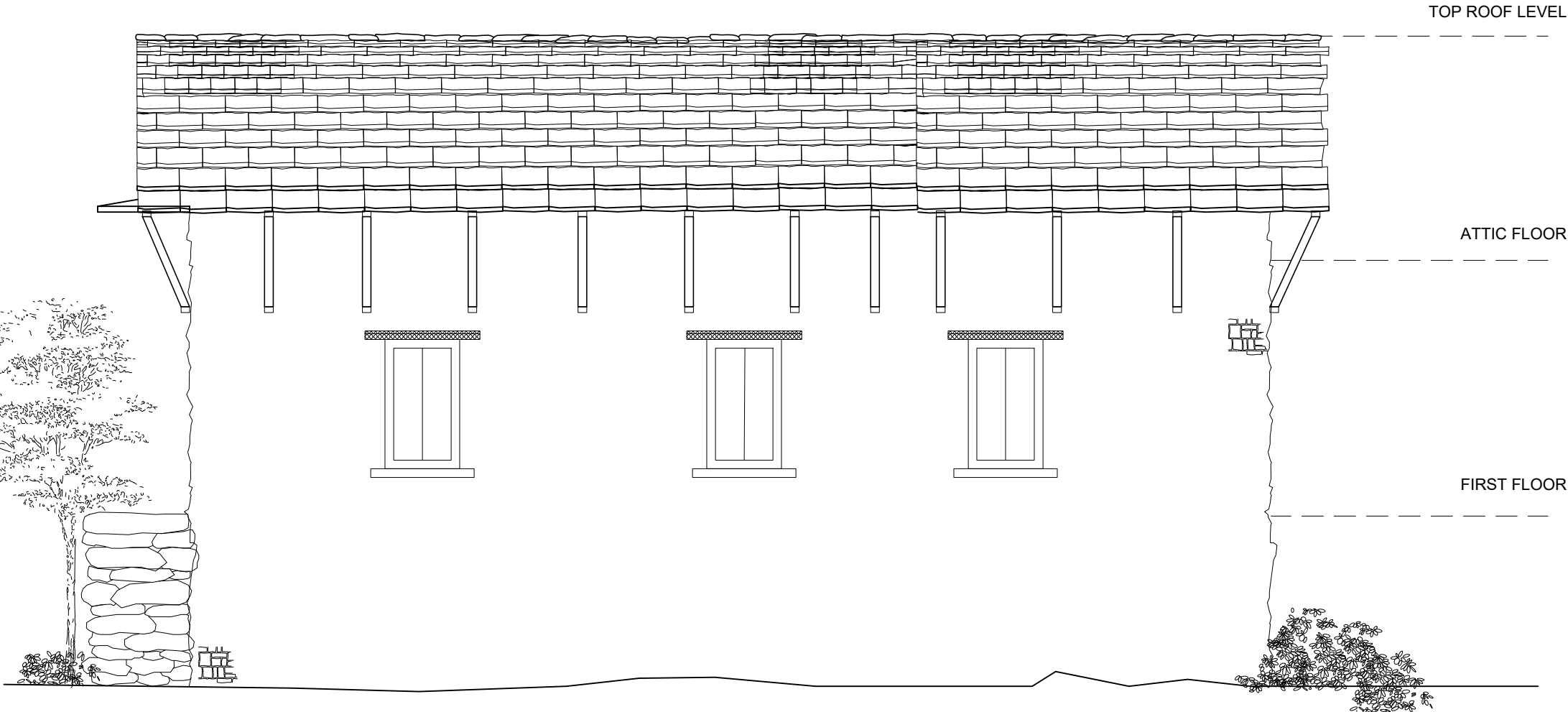
ARCHITECT:

DRAWN BY:

CHECKED BY:

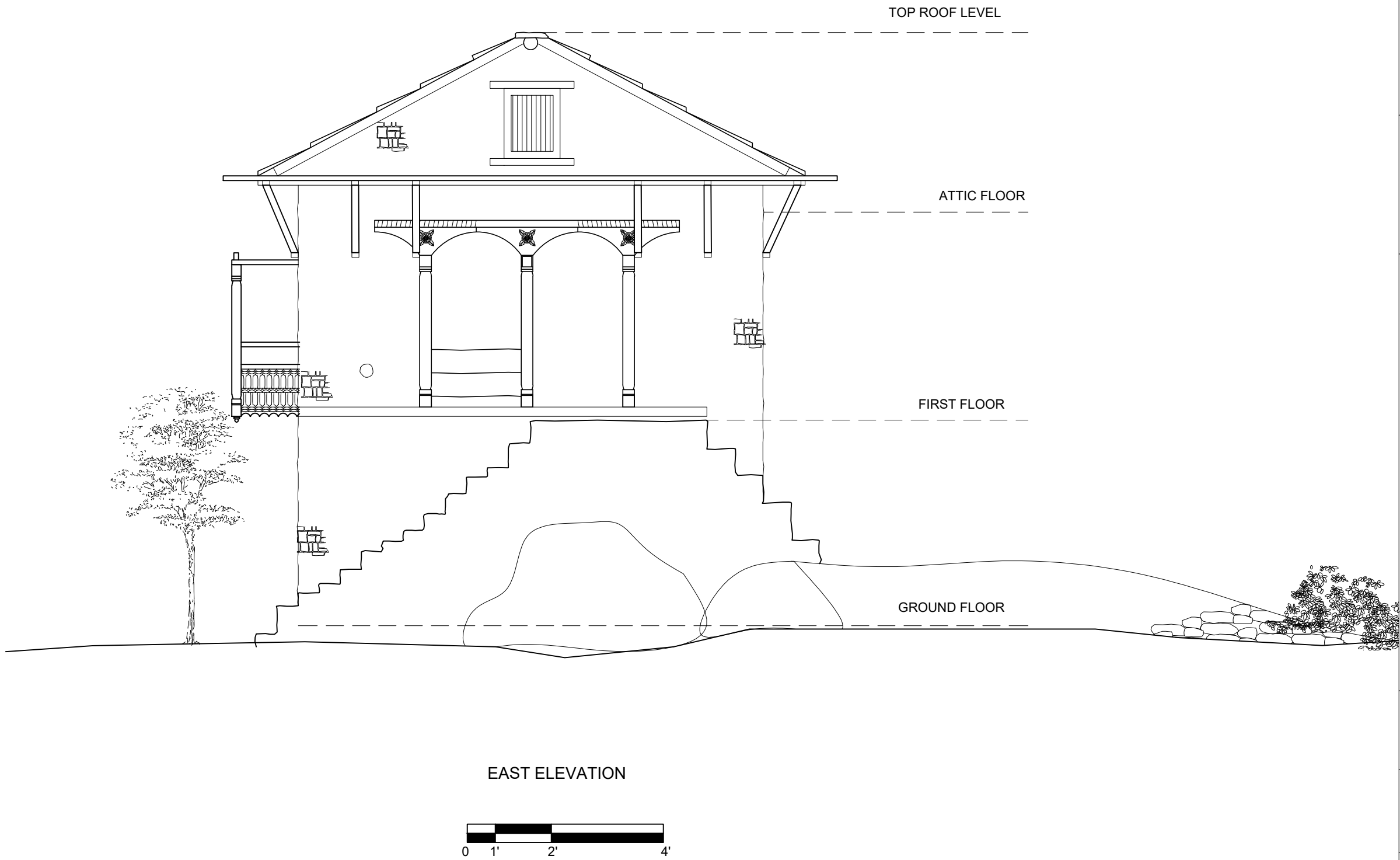
DATE:  
JULY 2025

PAGE NUMBER:  
  
BT6\_ (10)



NORTH ELEVATION





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

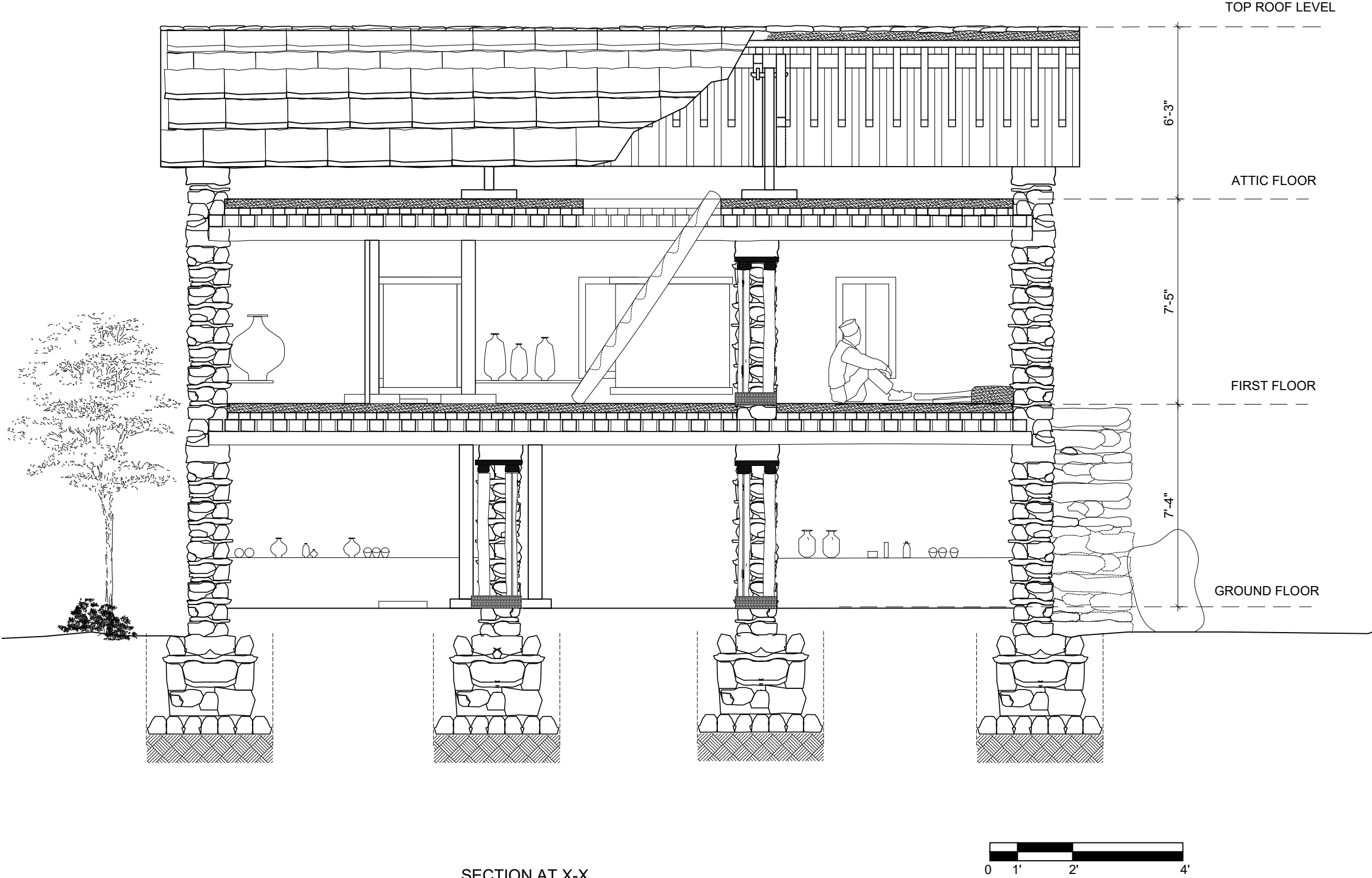
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT6\_ (11)



SECTION AT X-X

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

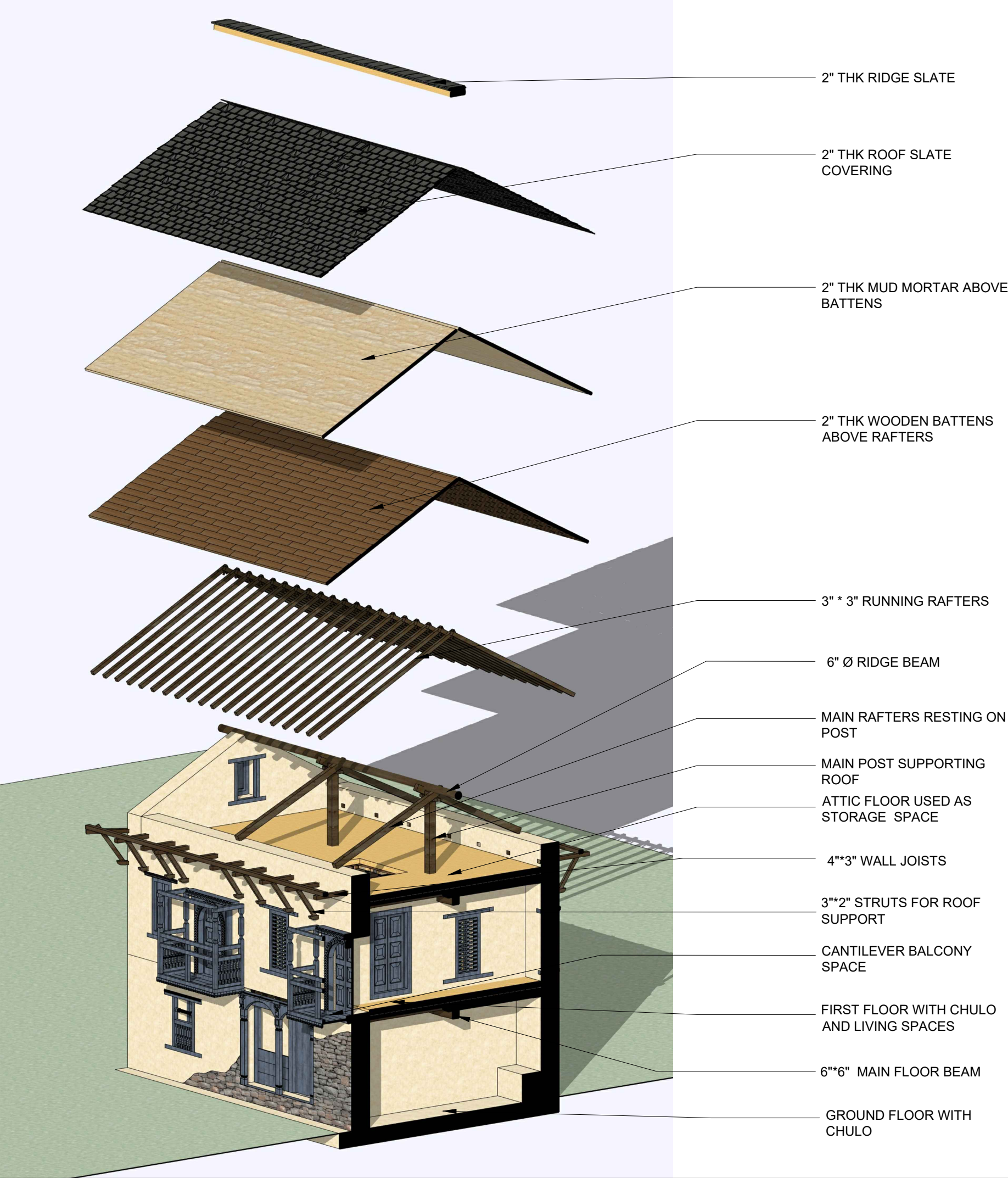
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT6\_ (12)





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS  
(3D SECTION DETAILS)

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

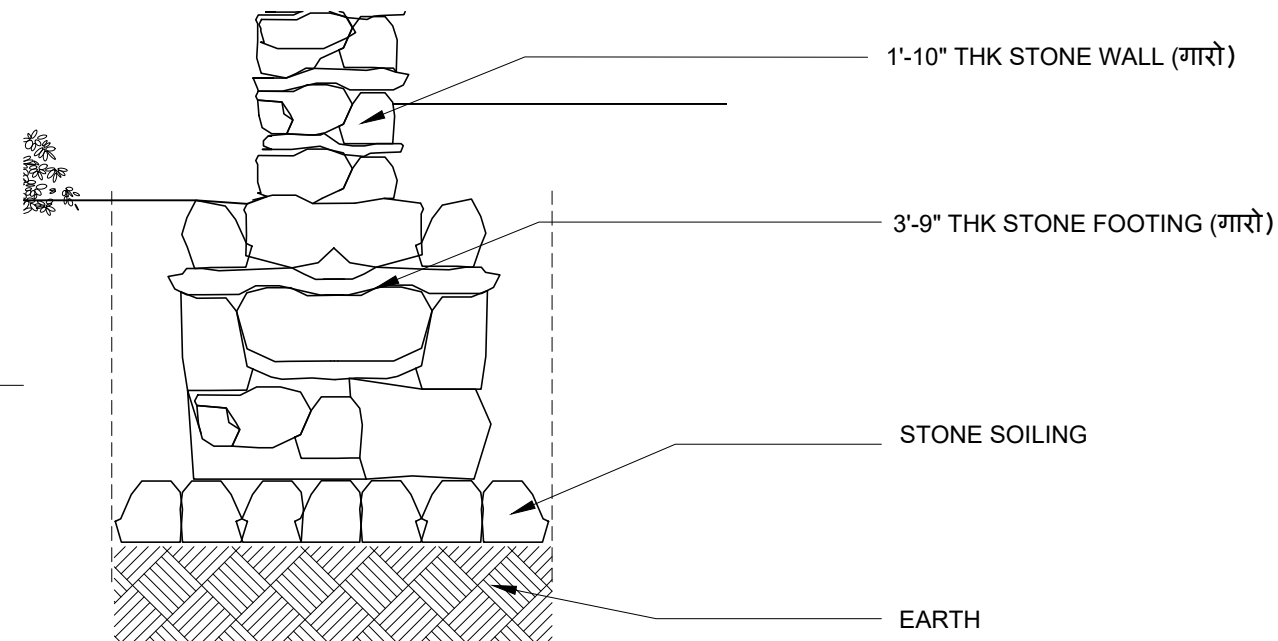
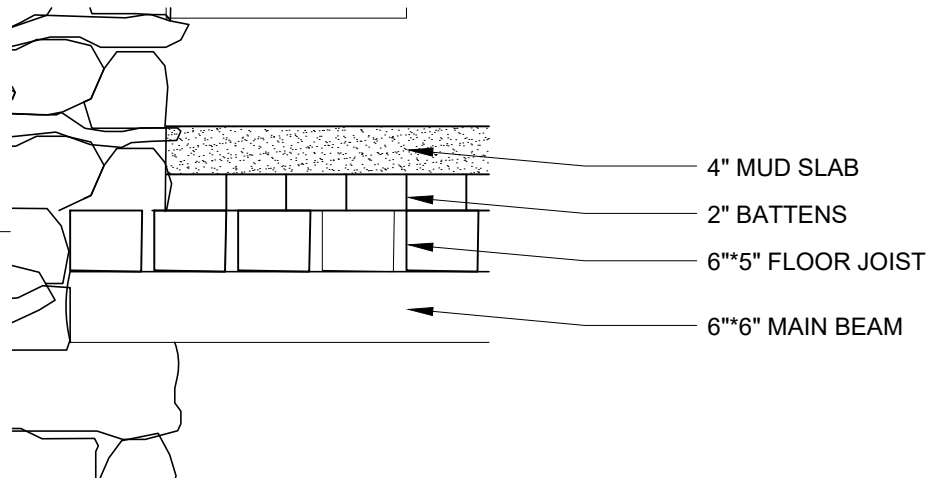
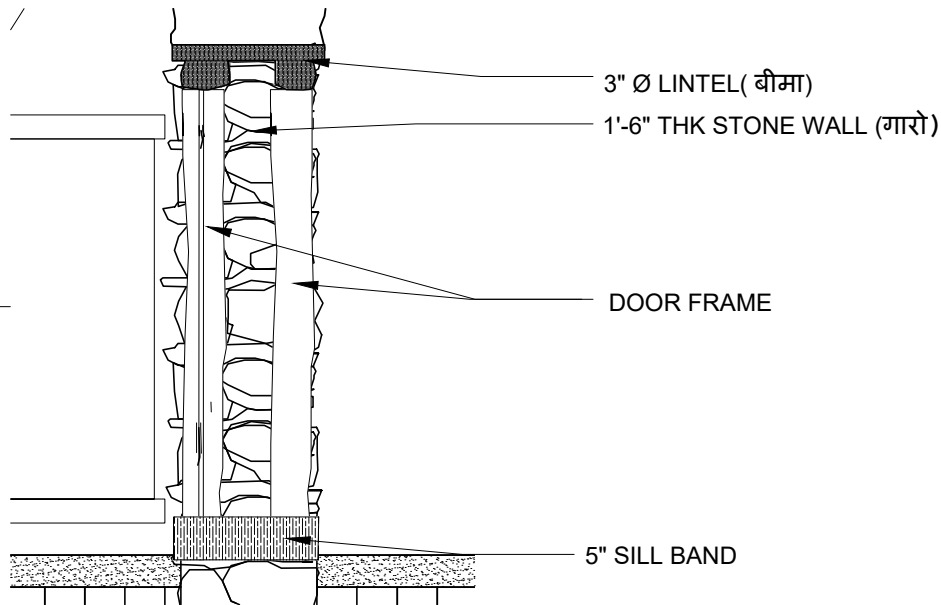
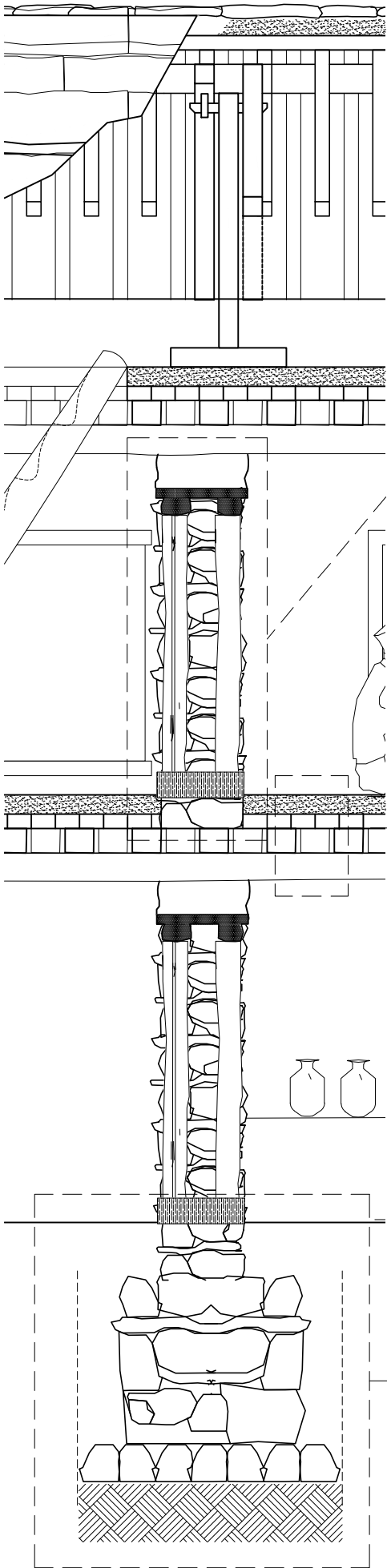
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT6\_ (13)



# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS



ISSUE IDENTIFICATION :

1. High chance of termite infestation (termite attack) in wooden beams, rafters, joists.
2. Lack of seasoning in wooden elements.

RECOMMENDATION FOR NEW

1. Treatment of all structural timber with appropriate anti-termite chemicals before installation.

INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: WALL SECTION DETAILS

CIVIL ENGINEER:

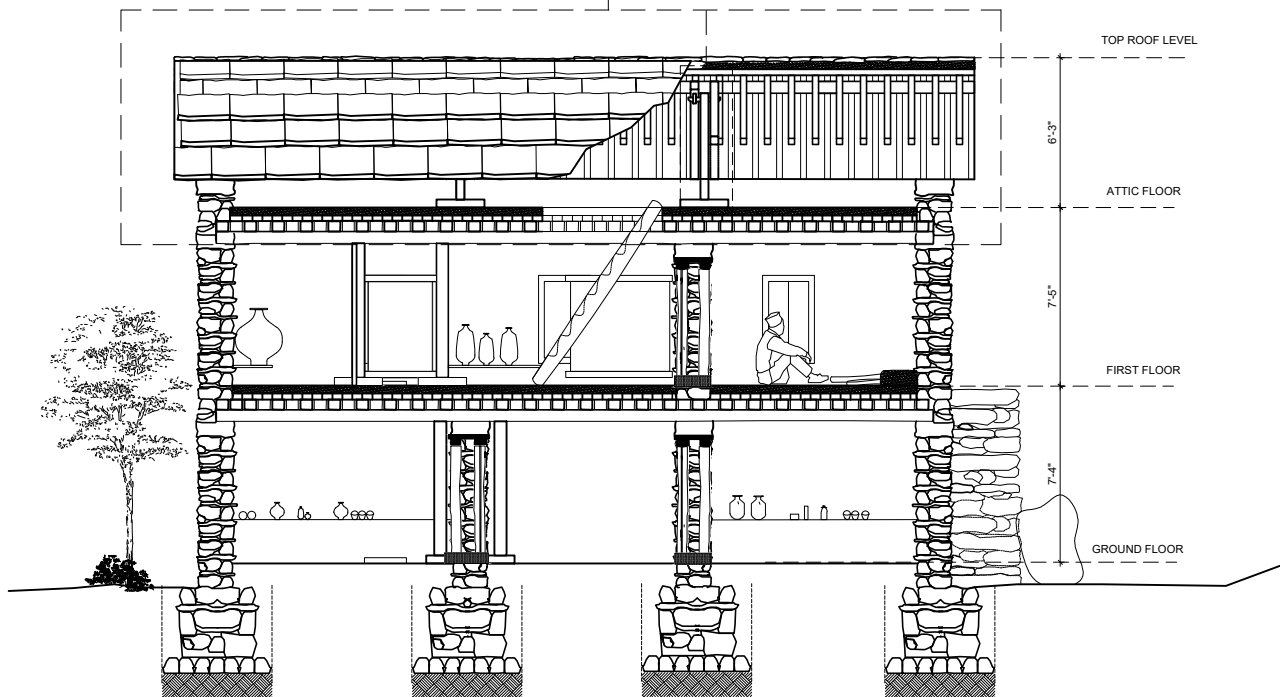
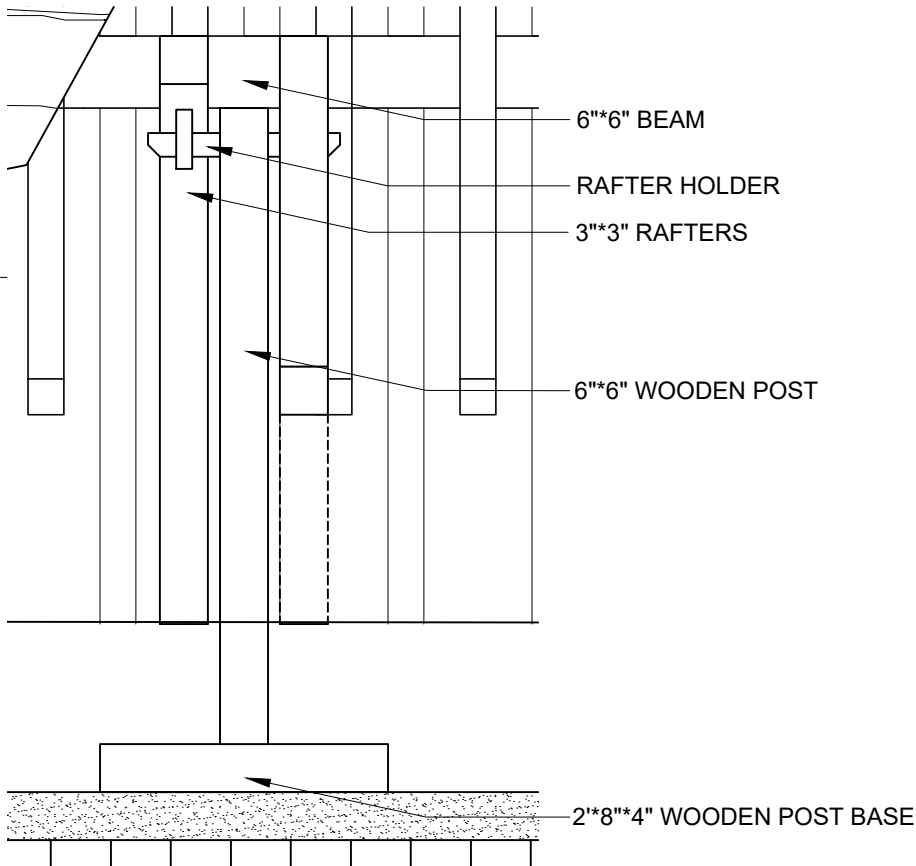
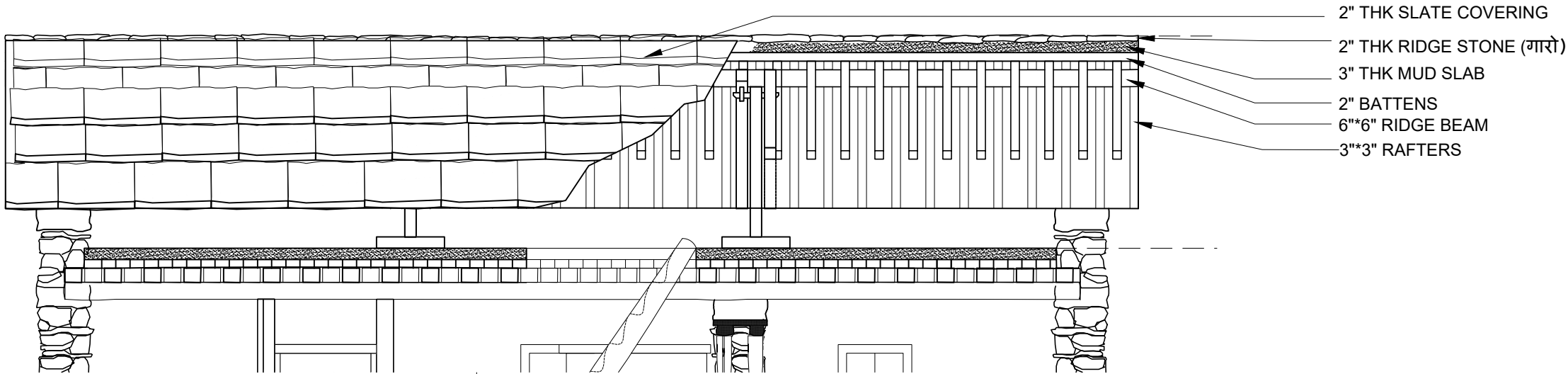
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT6\_ (14)



ISSUE IDENTIFICATION ON ROOF:

- 1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material

RECOMMENDATION FOR NEW

- 1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.

INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ROOF SECTION DETAILS

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

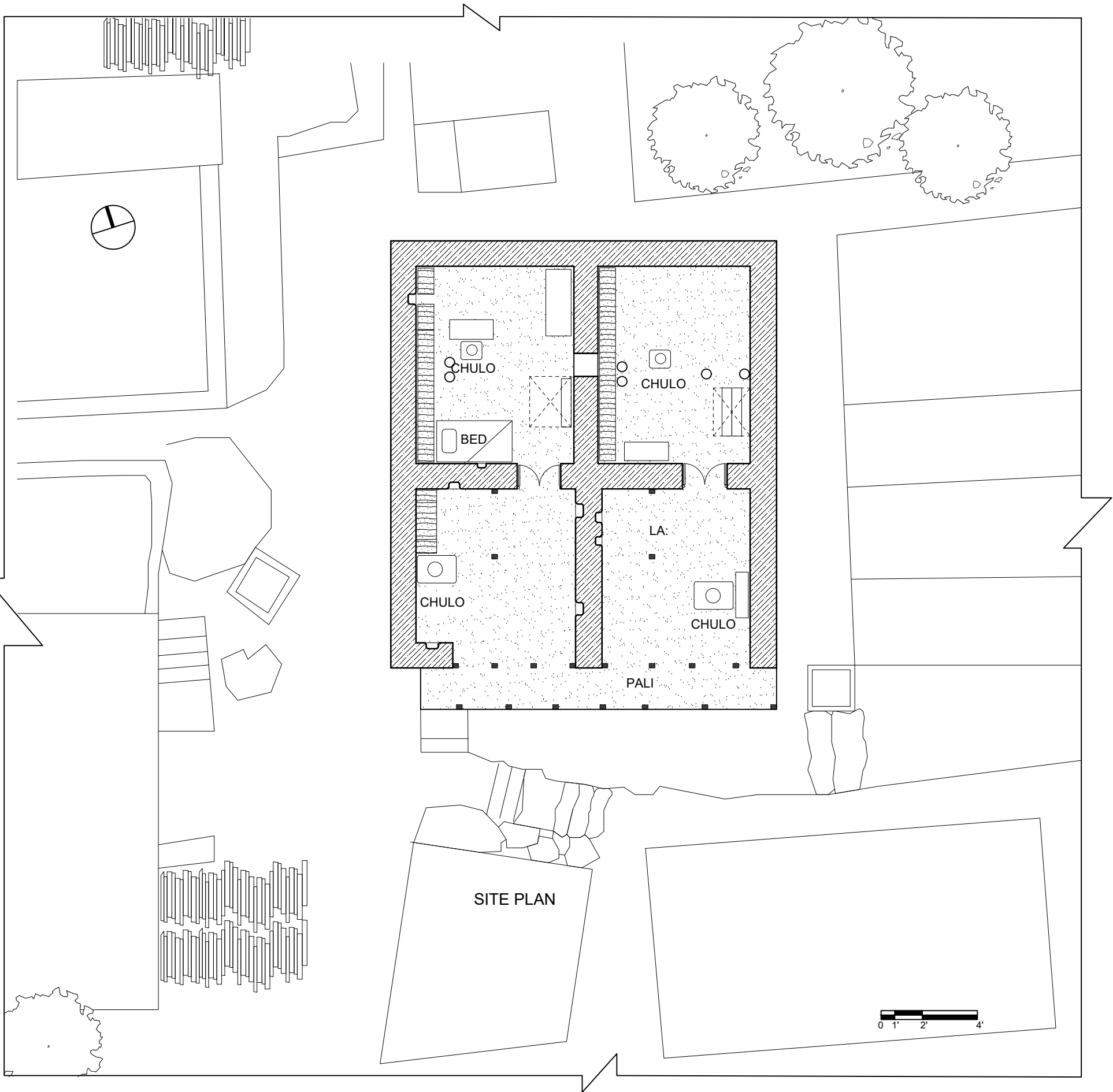
PAGE NUMBER:  
BT6\_ (15)

# ARCHITECTURAL DRAWINGS

## SHERA, EAST RUKUM

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT7_00
2	GROUND FLOOR PLAN	BT7_1
3	FIRST FLOOR PLAN	BT7_2
4	SECOND FLOOR	BT7_3
5	ATTIC FLOOR	BT7_4
6	BEAM LAYOUT	BT7_5
7	ROOF FLOOR	BT7_6
8	ELEVATION	BT7_7
9	ELEVATION	BT7_8
10	ELEVATION	BT7_9
11	ELEVATION	BT7_10
12	SECTION	BT7_11
13	3D	BT7_12
14	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT7_13
15	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT7_14

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT7\_00

**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

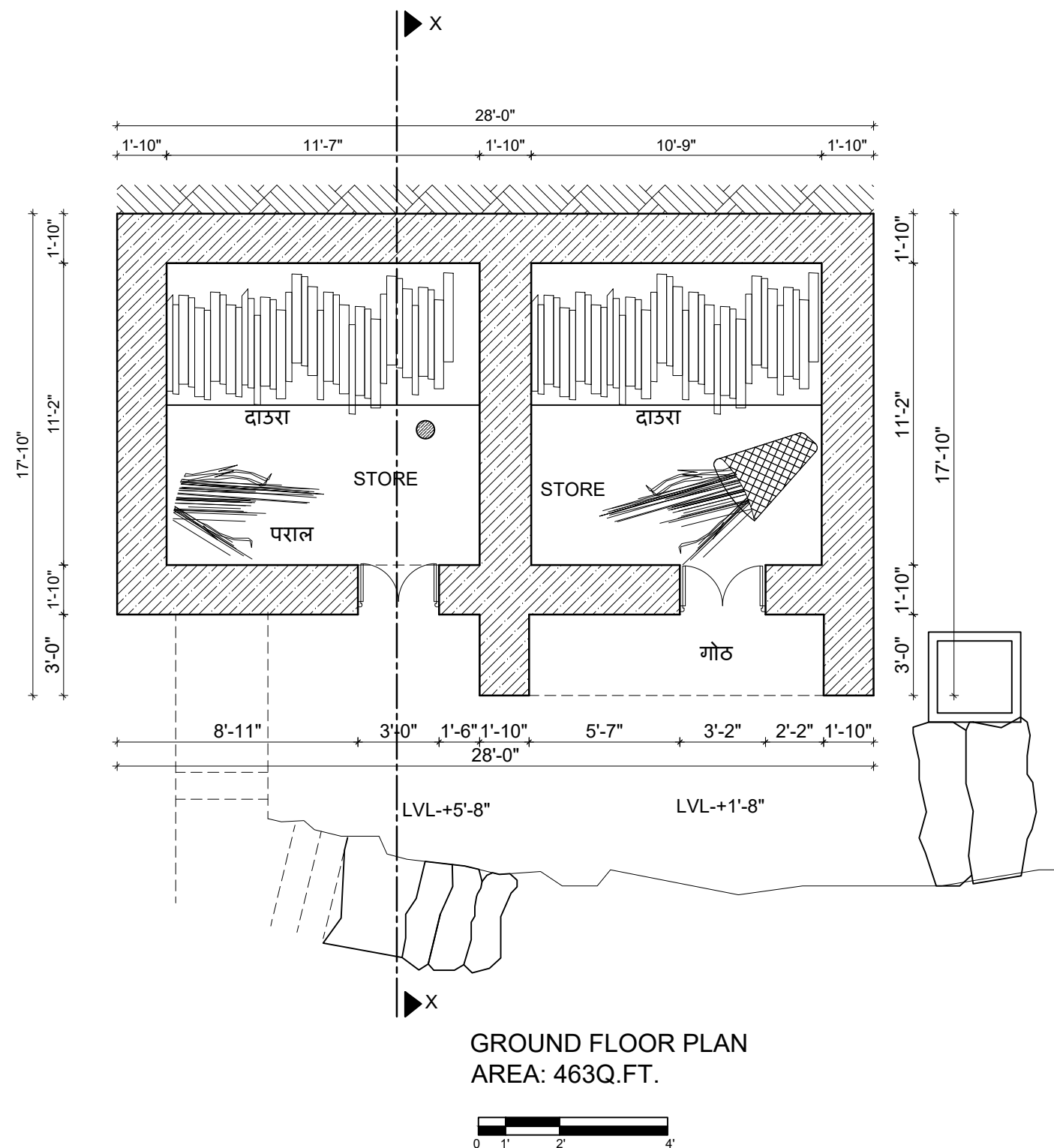
DRAWN BY:

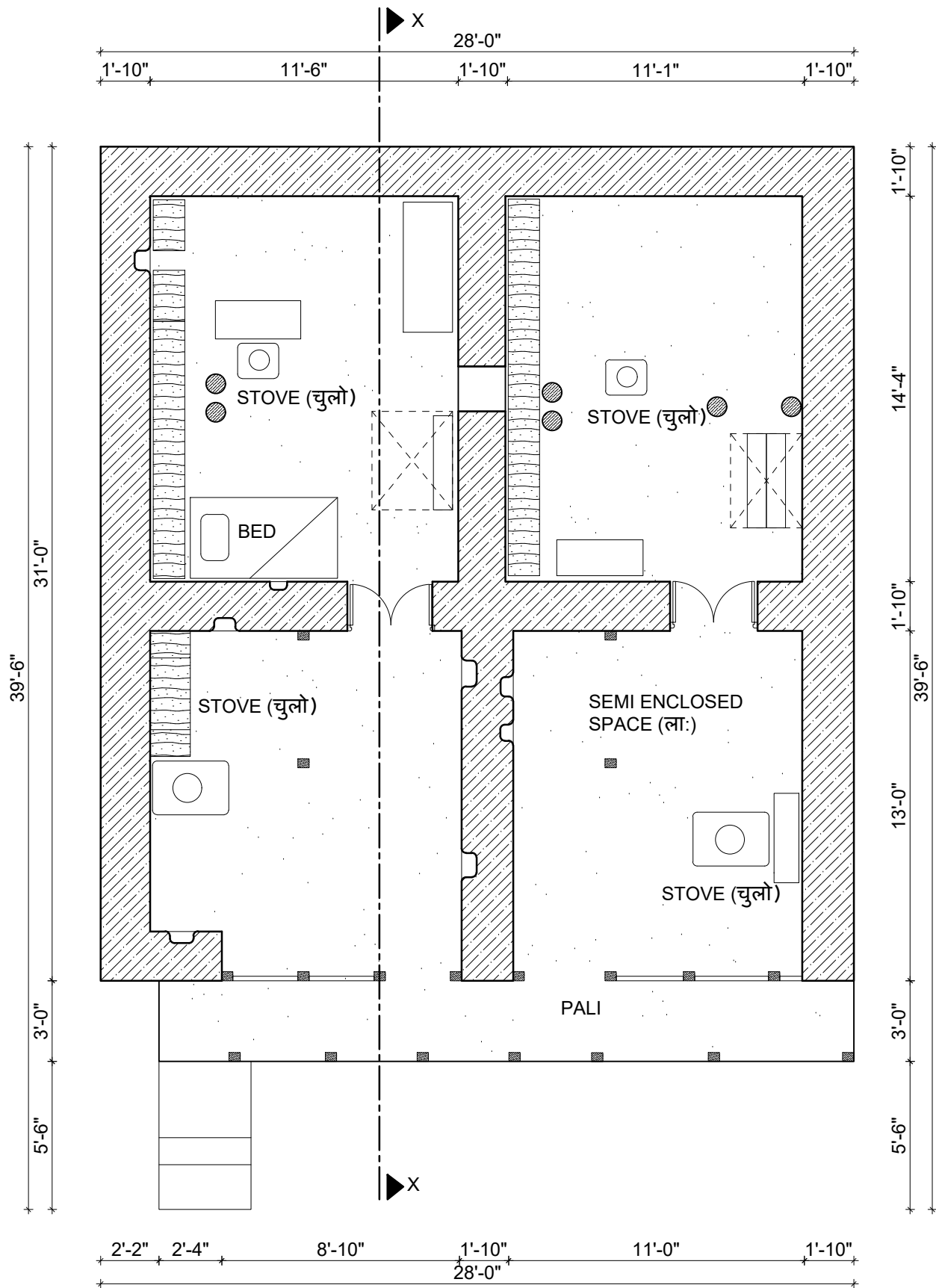
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:

BT7\_1





FIRST FLOOR PLAN  
AREA:957 SQ.FT.



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

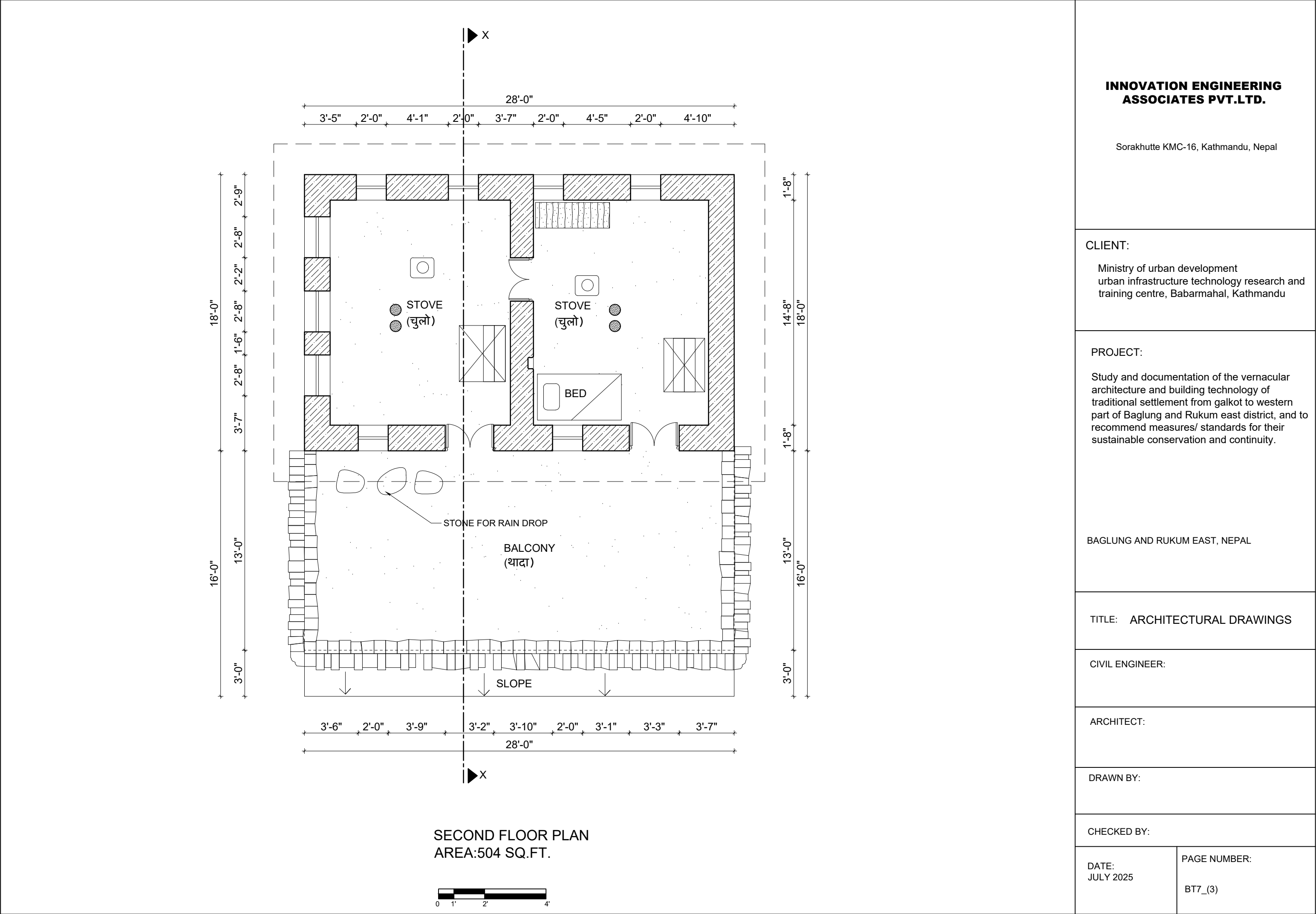
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT7\_(2)



INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

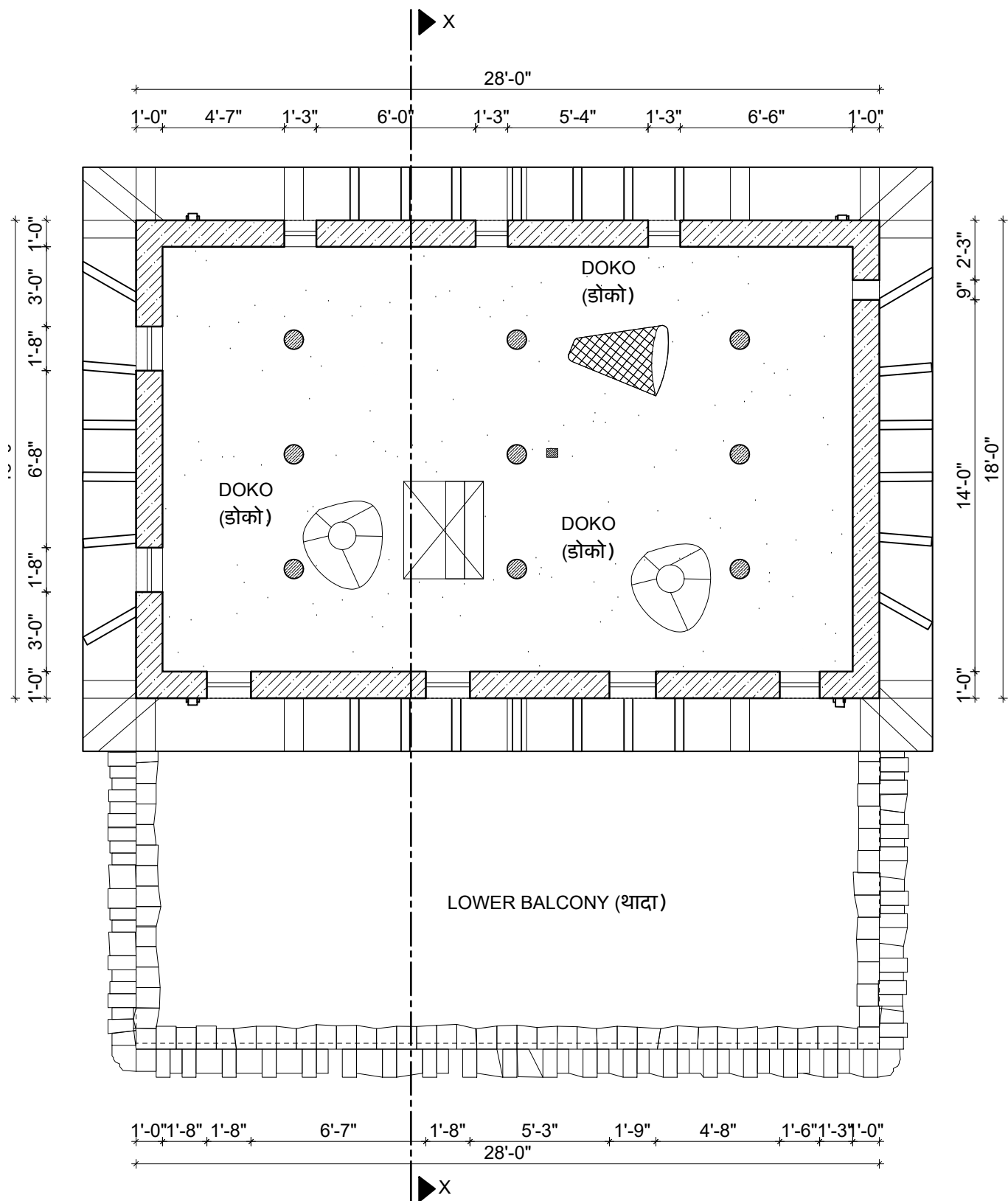
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT7\_(3)





ATTIC FLOOR PLAN  
AREA:504 SQ.FT.

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

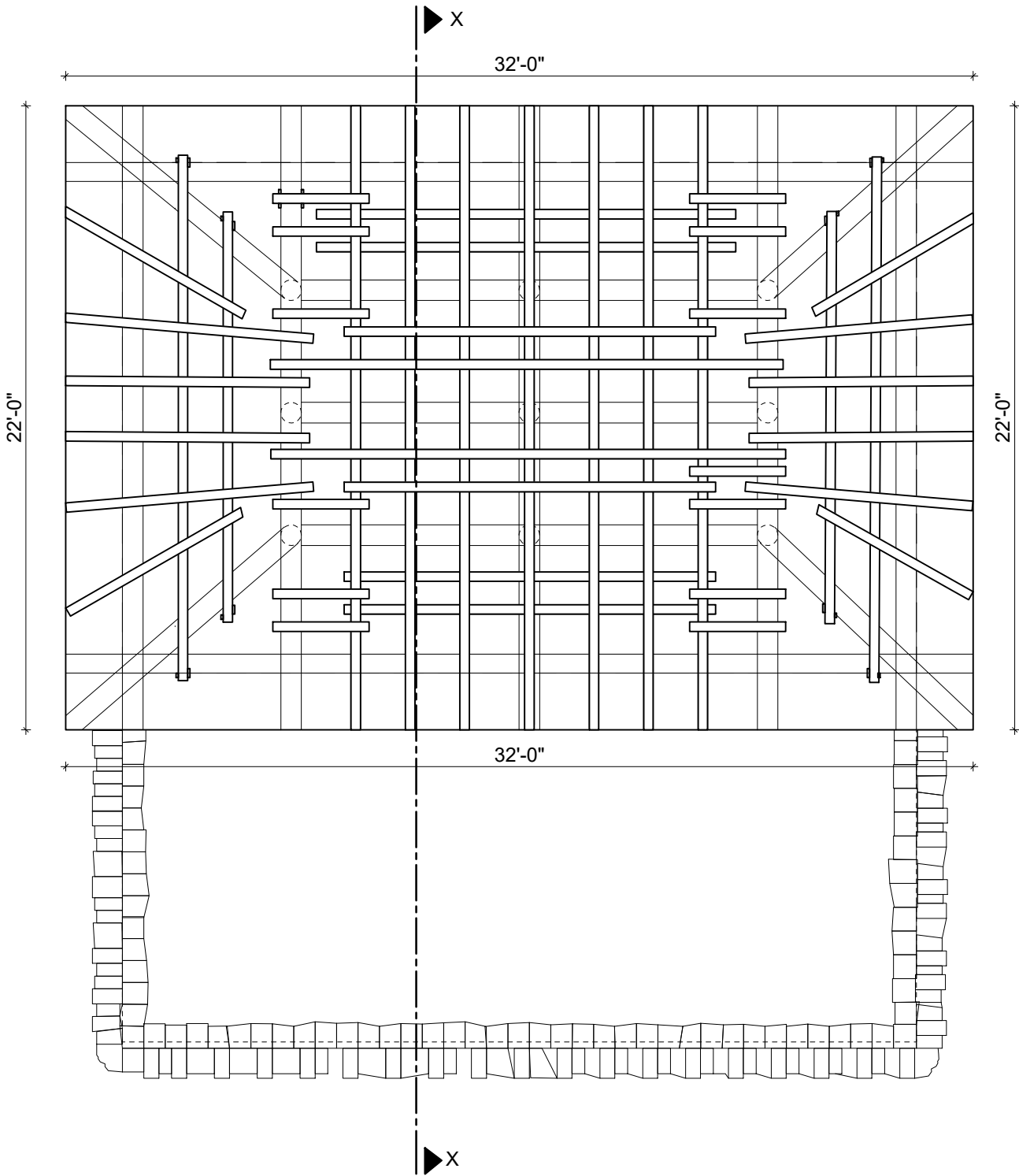
ARCHITECT:

DRAWN BY:

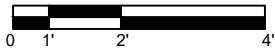
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT7\_(4)



BEAM LAYOUT



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

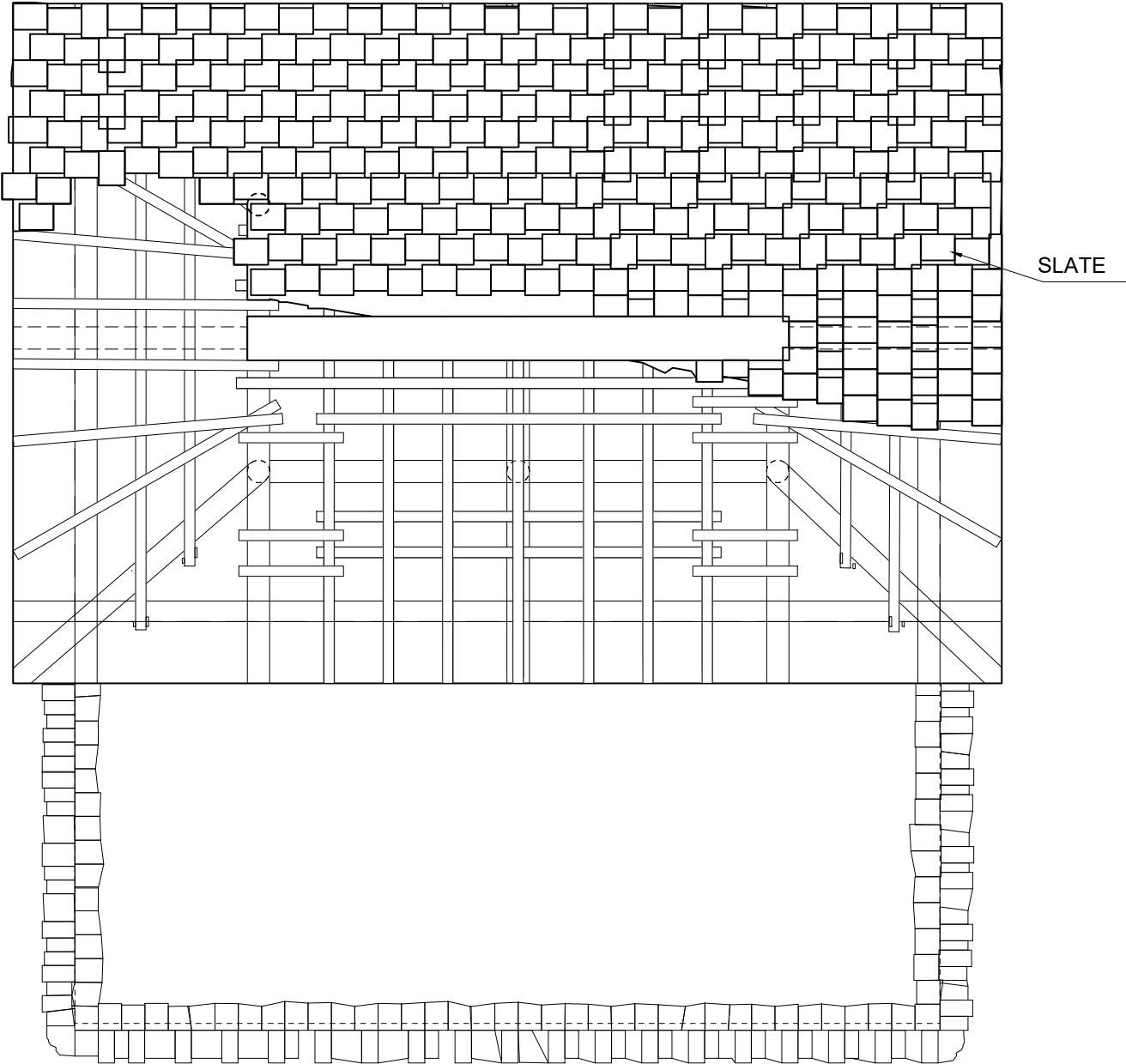
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT7\_(5)



ROOF DEATIL



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE:   ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

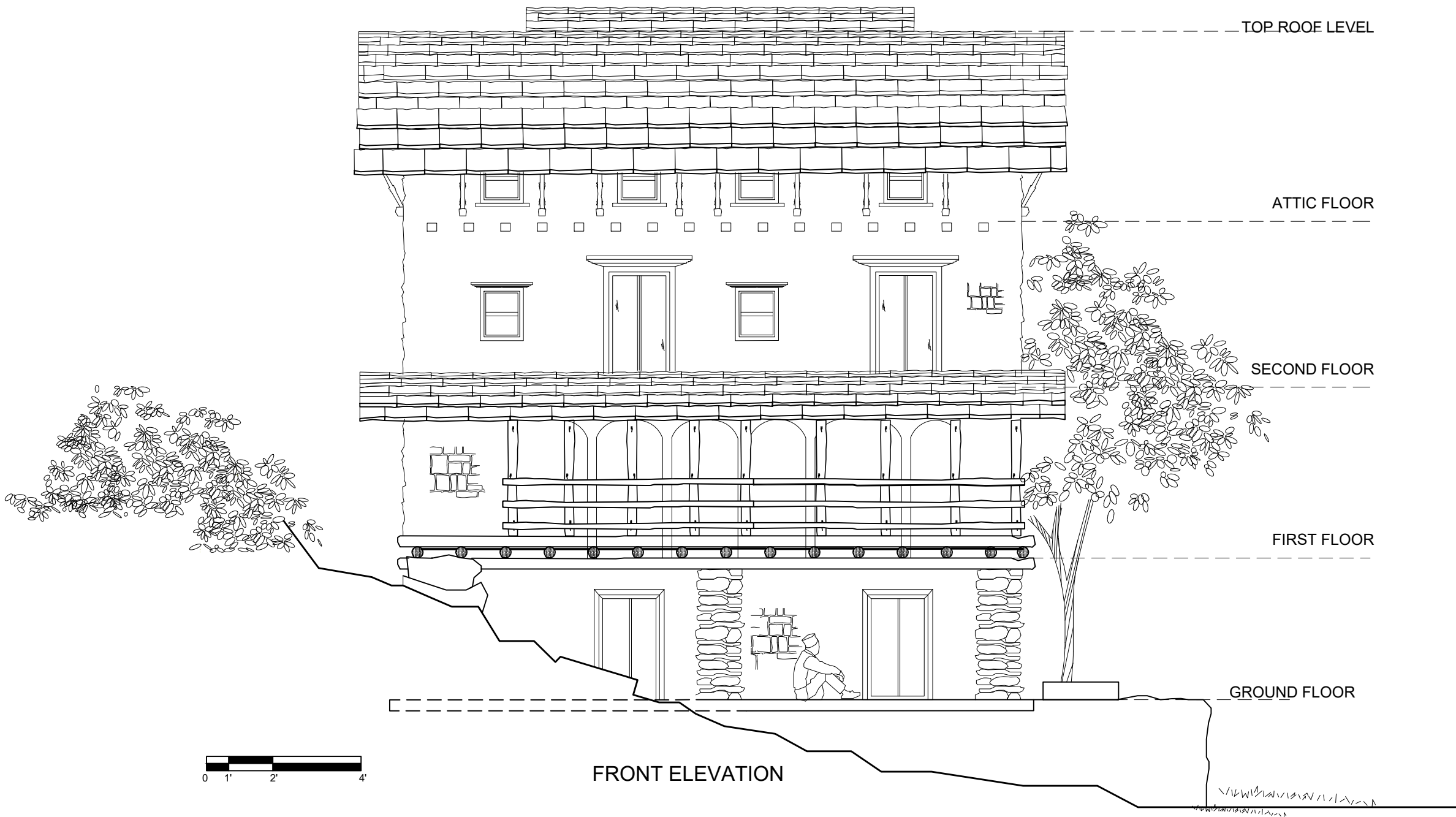
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT7\_(6)



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT7\_(7)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

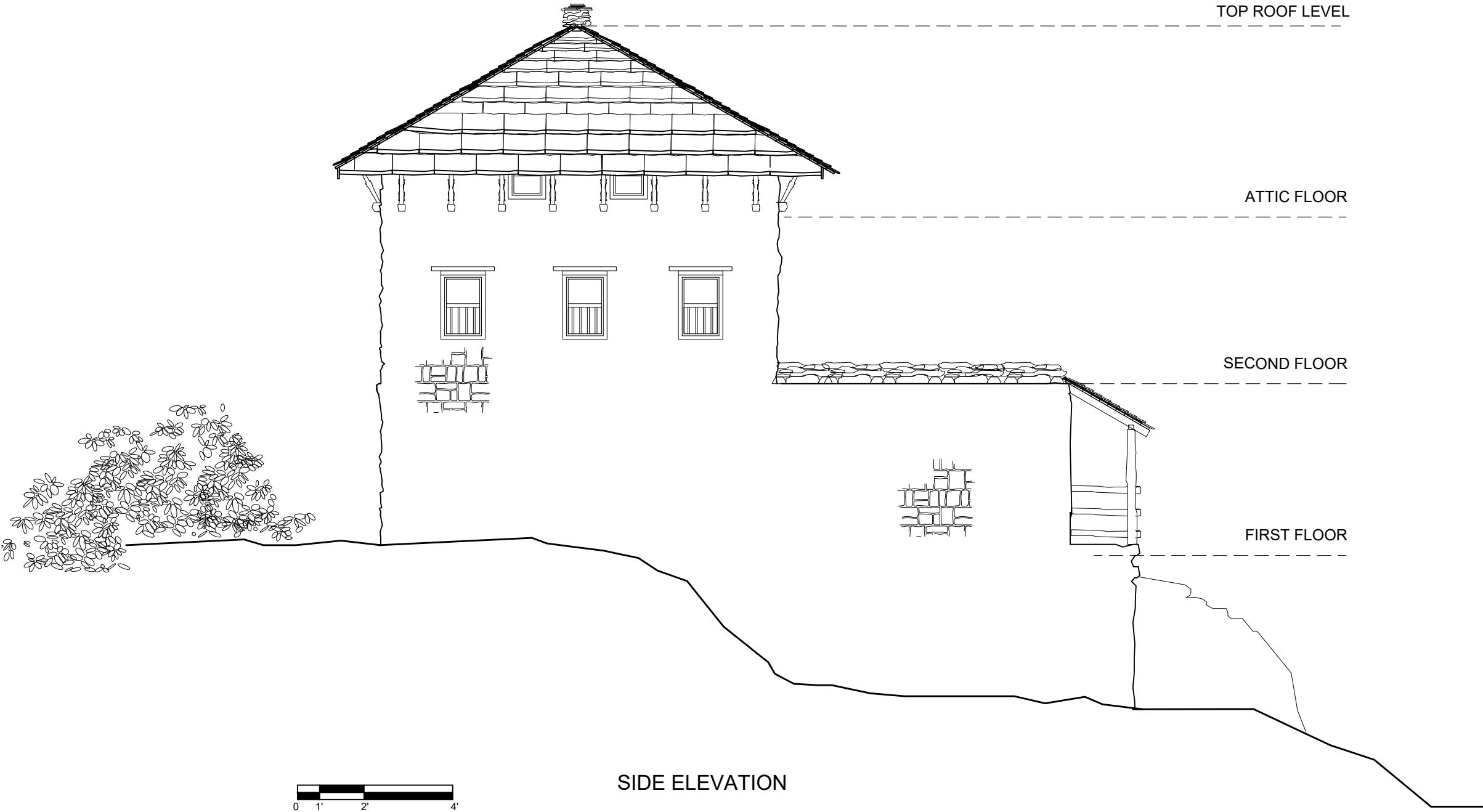
ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT7\_(8)



INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

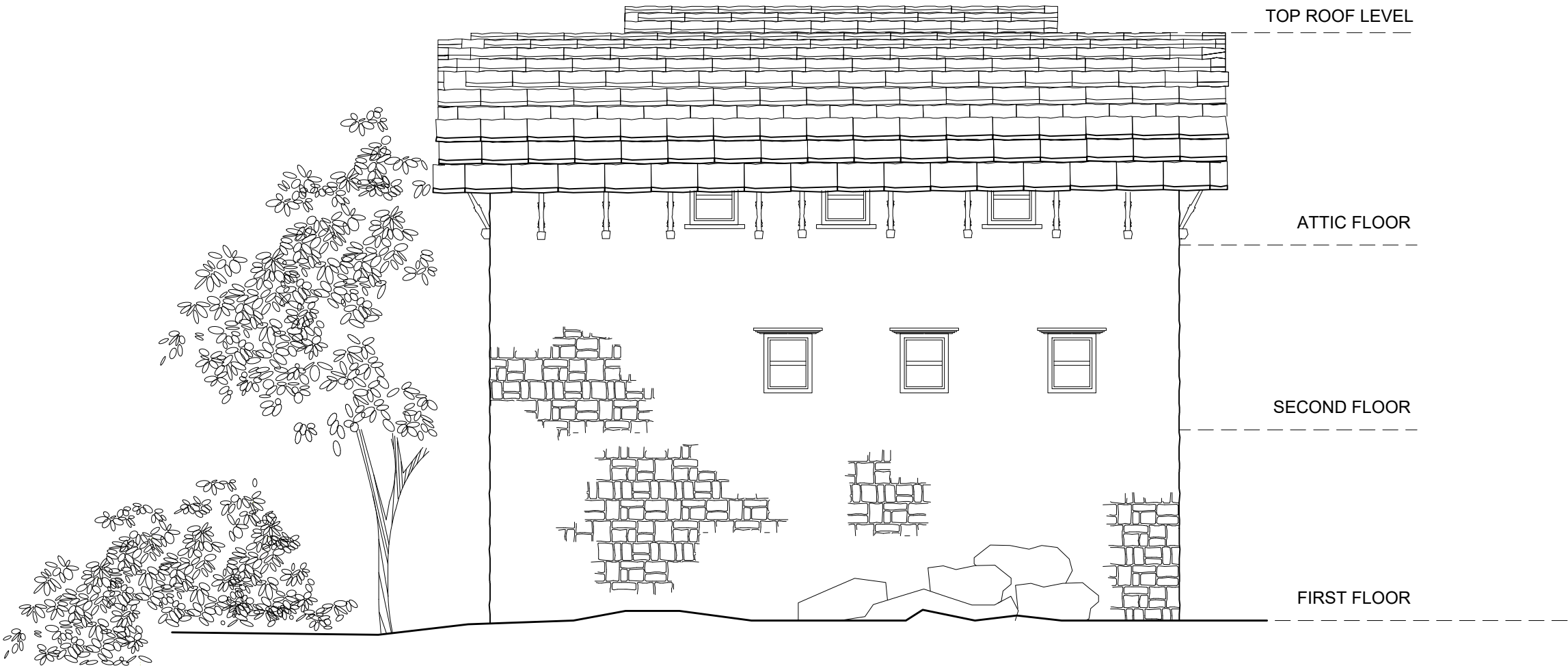
ARCHITECT:

DRAWN BY:

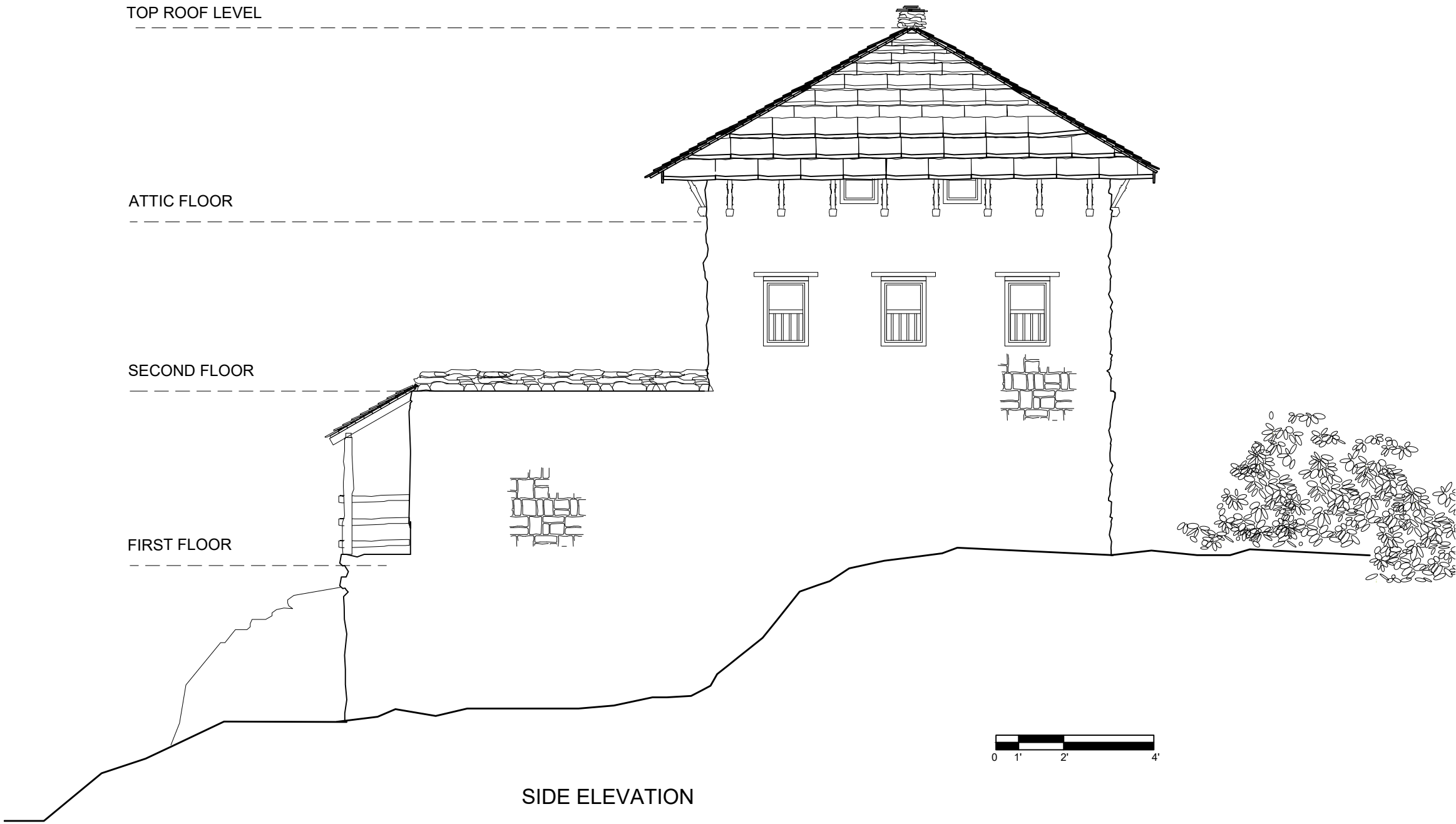
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT7\_(9)



BACK ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

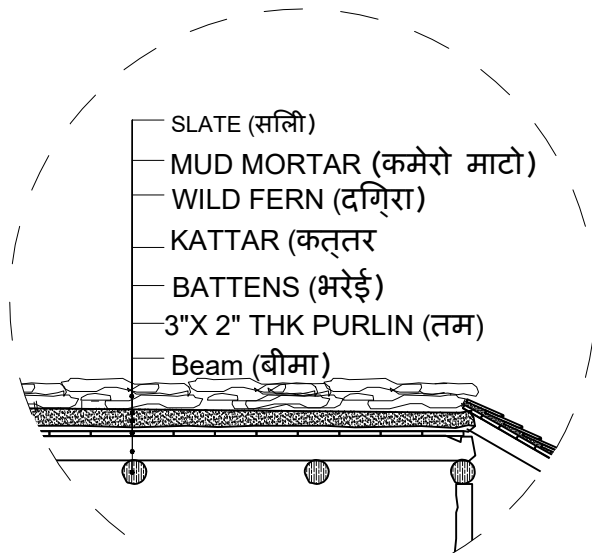
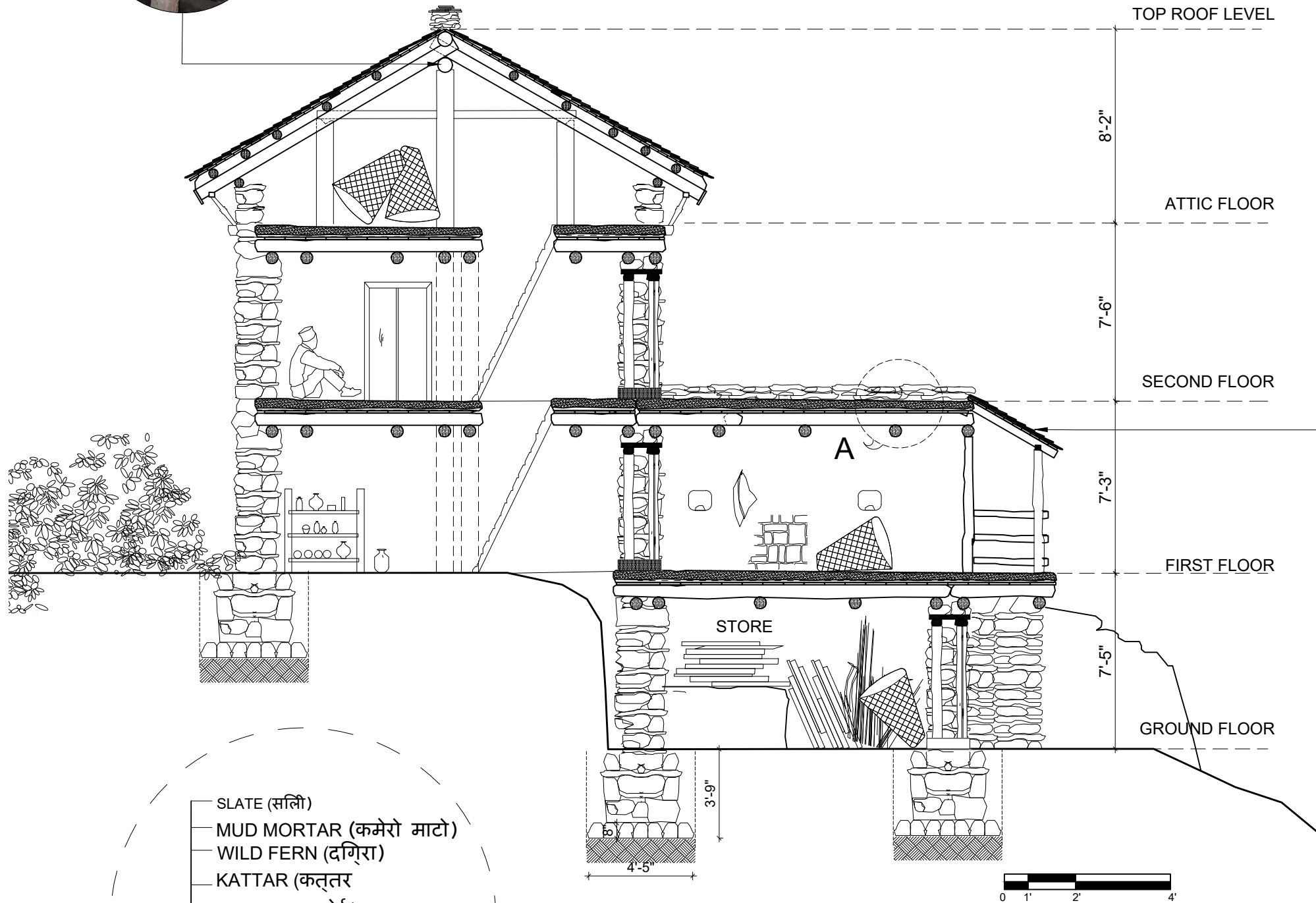
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
  
BT7\_(10)





DETAIL AT A

SECTION AT X-X



## INNOVATION ENGINEERING ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

### CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

### PROJECT:

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

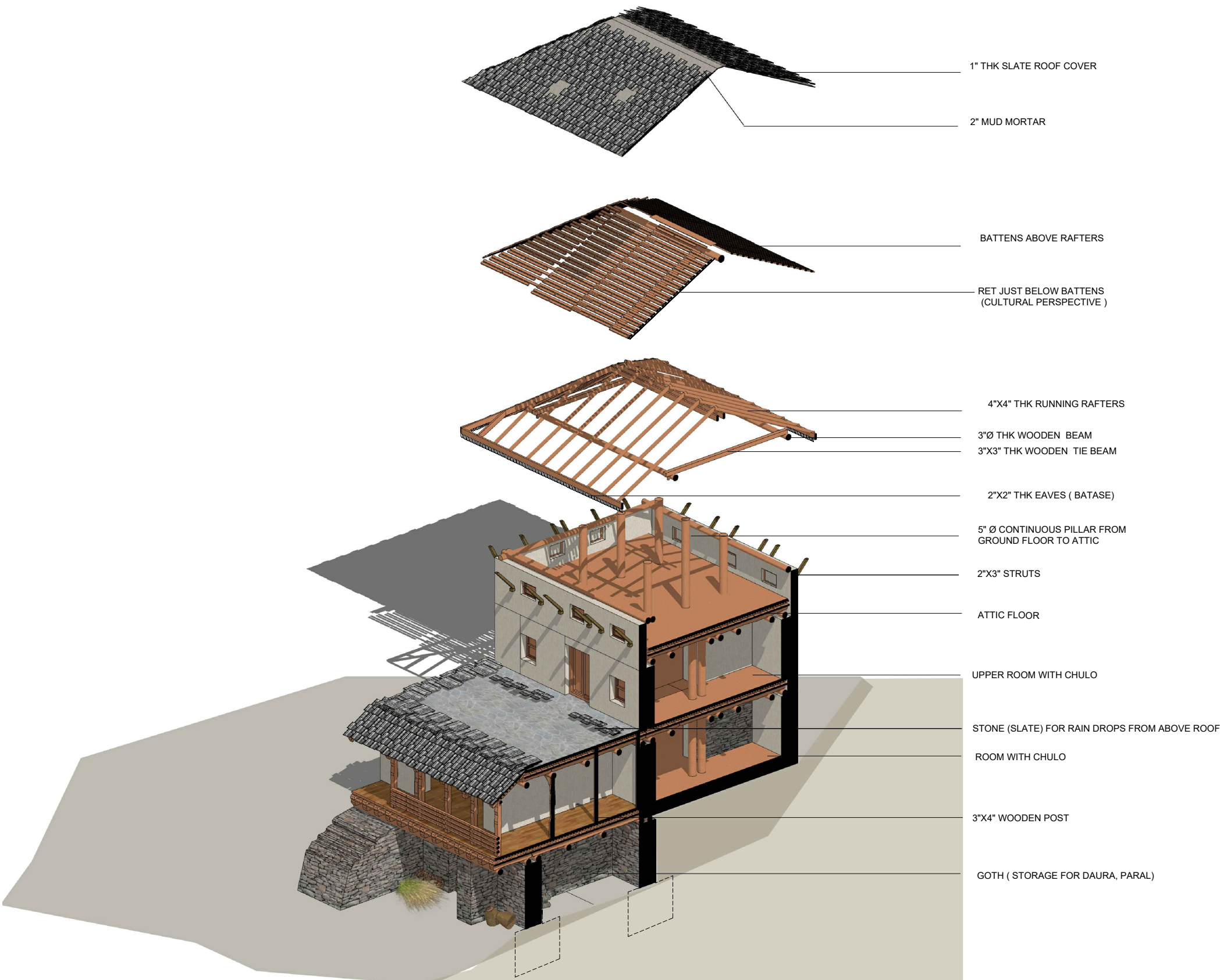
CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:

BT7\_(11)





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS  
( 3D SECTIONAL DETAILS)

CIVIL ENGINEER:

ARCHITECT:

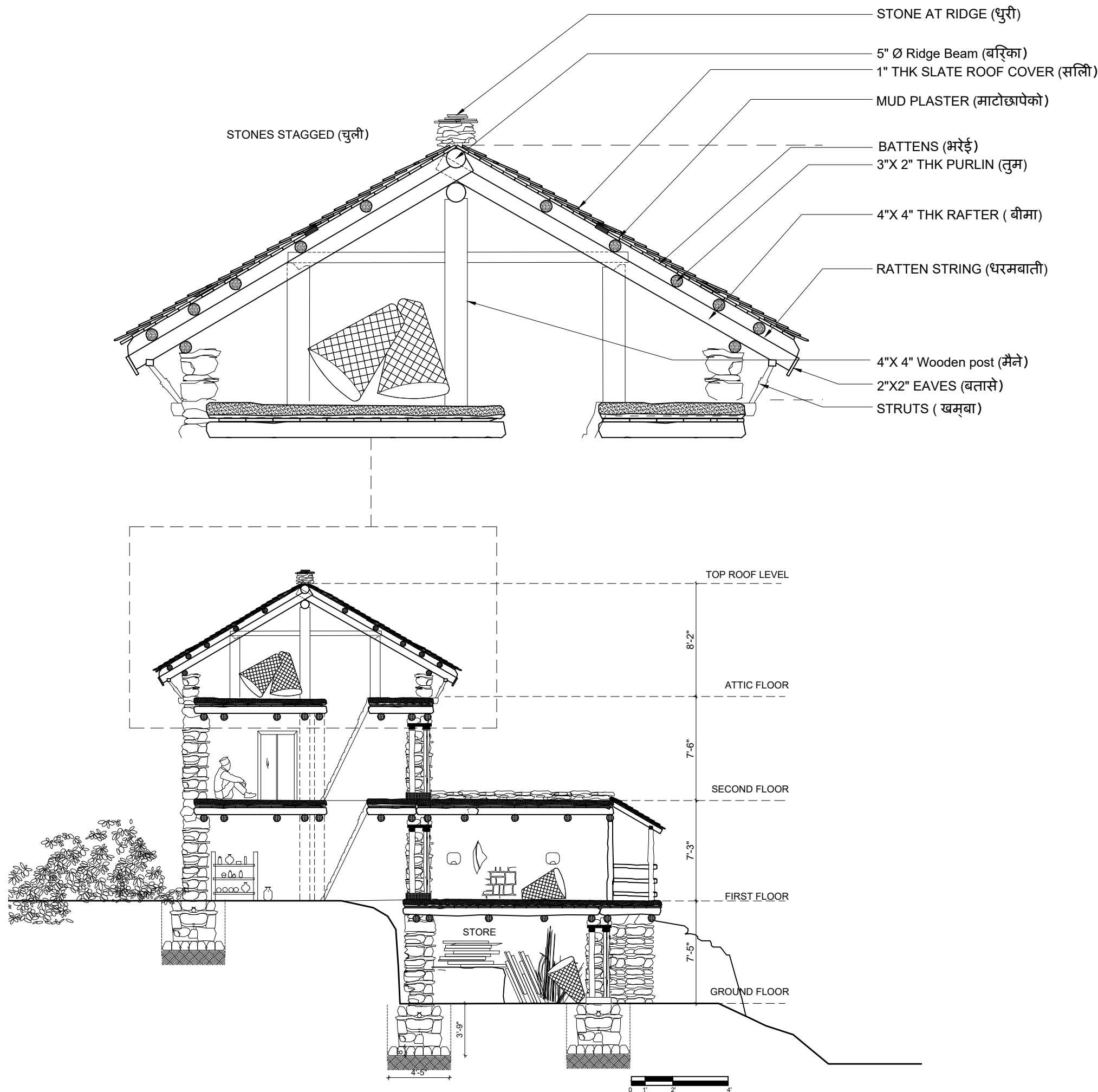
DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
  
BT7\_(12)

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** (ROOF DETAILS)

**CIVIL ENGINEER:**

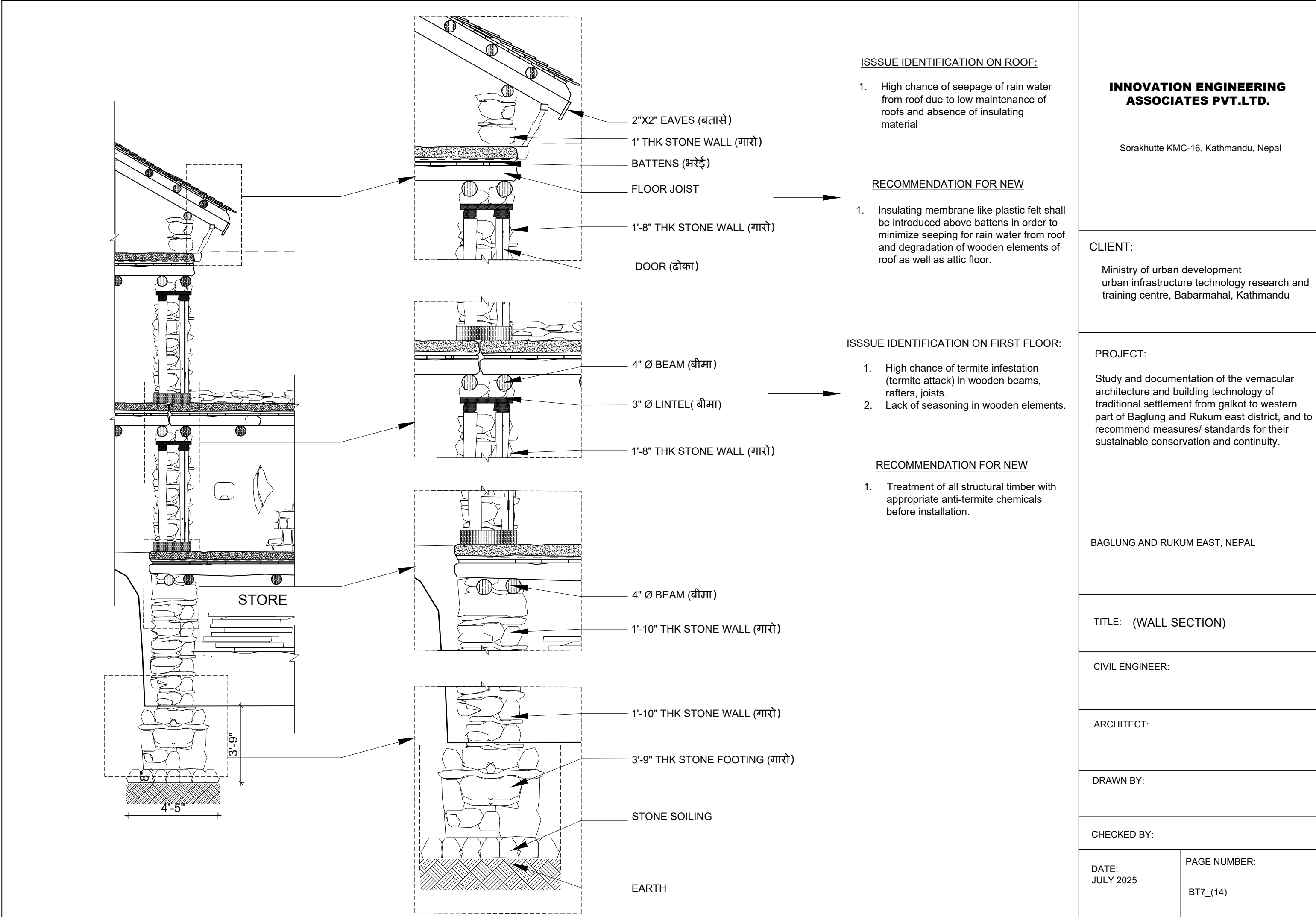
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT7\_(13)



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** (WALL SECTION)

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

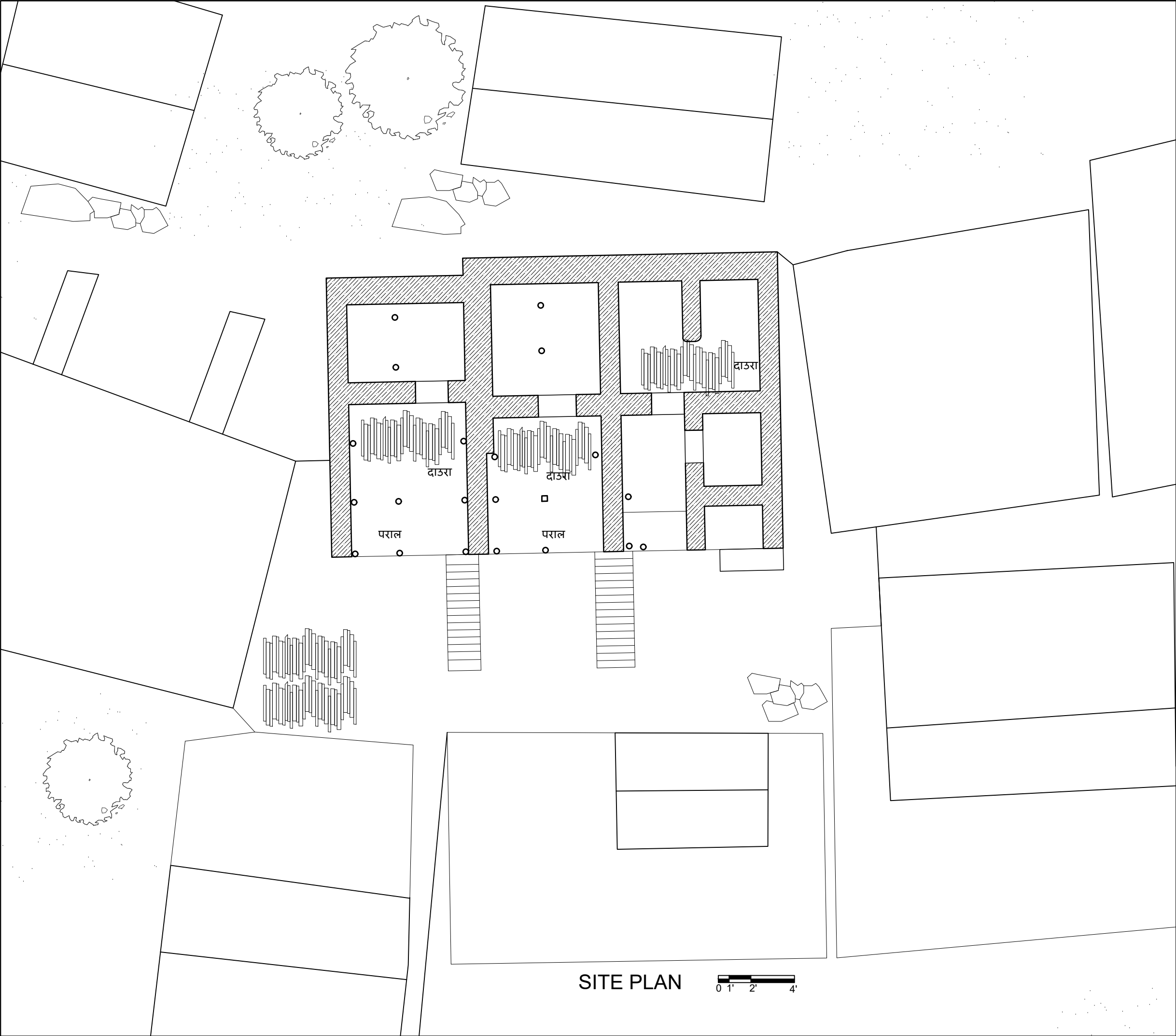
**PAGE NUMBER:**  
BT7\_(14)

# ARCHITECTURAL DRAWINGS

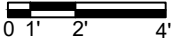
## TAKA, EAST RUKUM

S.N.	DESCRIPTION	PAGE NO.
1	SITE PLAN	BT8_1
2	GROUND FLOOR PLAN	BT8_2
3	FIRST FLOOR PLAN	BT8_3
4	ROOF PLAN	BT8_4
5	BEAM LAYOUT	BT8_5
6	ELEVATION	BT8_6
7	ELEVATION	BT8_7
8	SECTION	BT8_8
9	3D	BT8_9
10	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT8_10
11	STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAIL	BT8_11

SUBMITTED BY:  
INNOVATION ENGINEERING ASSOCIATES PVT. LTD.  
KMC-16, SORAKHUTTE, KATHMANDU



SITE PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT8\_(1)





**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE:** ARCHITECTURAL DRAWINGS

**CIVIL ENGINEER:**

**ARCHITECT:**

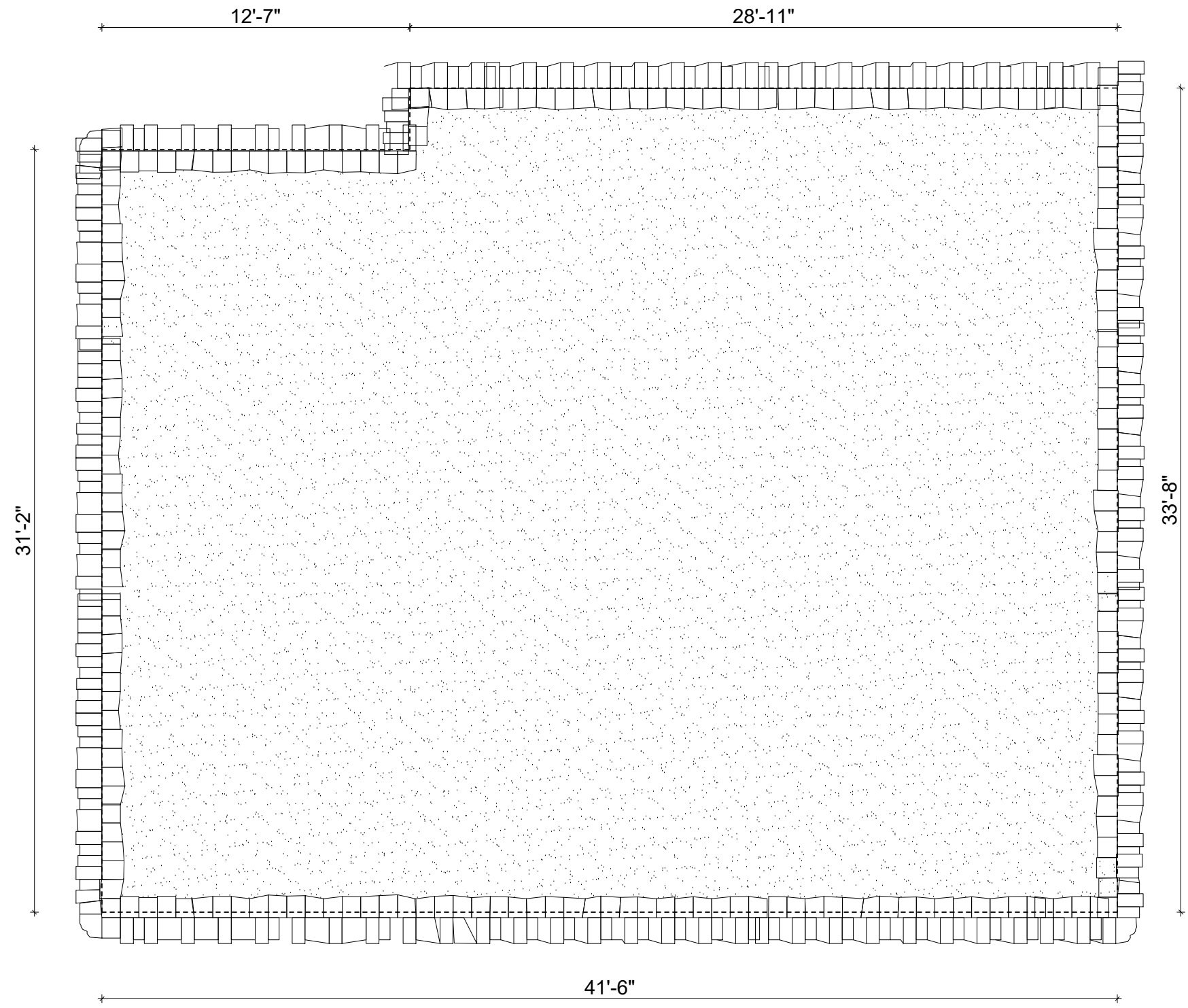
**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT8\_(3)





ROOF PLAN



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

**CLIENT:**

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

**PROJECT:**

Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

**TITLE: ARCHITECTURAL DRAWINGS**

**CIVIL ENGINEER:**

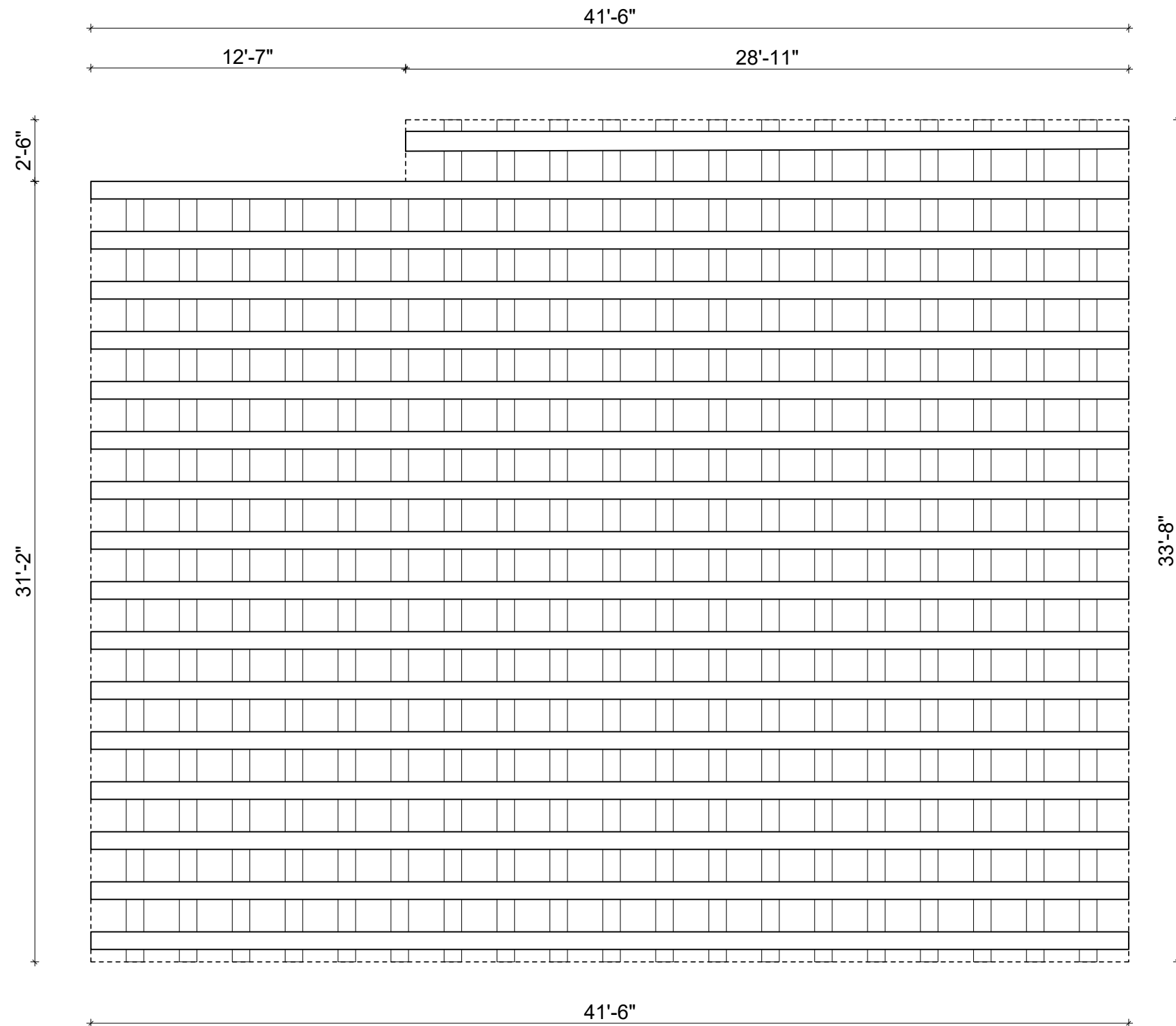
**ARCHITECT:**

**DRAWN BY:**

**CHECKED BY:**

**DATE:**  
JULY 2025

**PAGE NUMBER:**  
BT8\_(4)



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:

Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:

Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

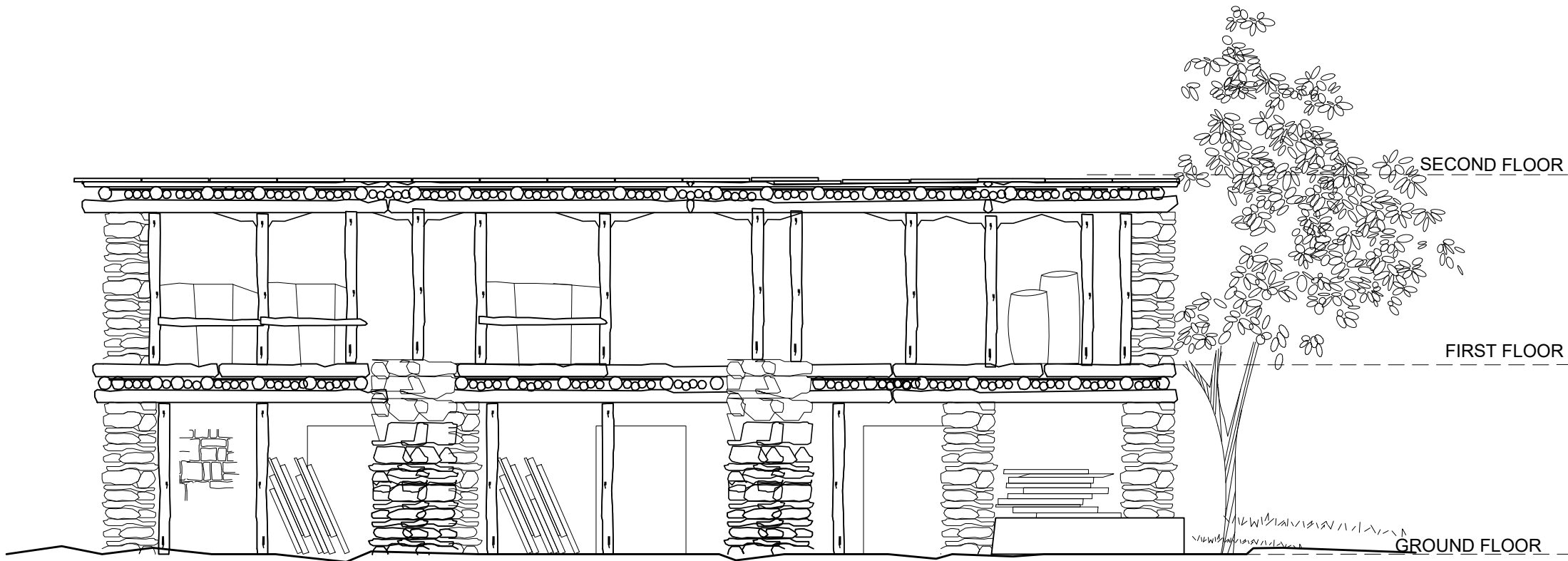
ARCHITECT:

DRAWN BY:

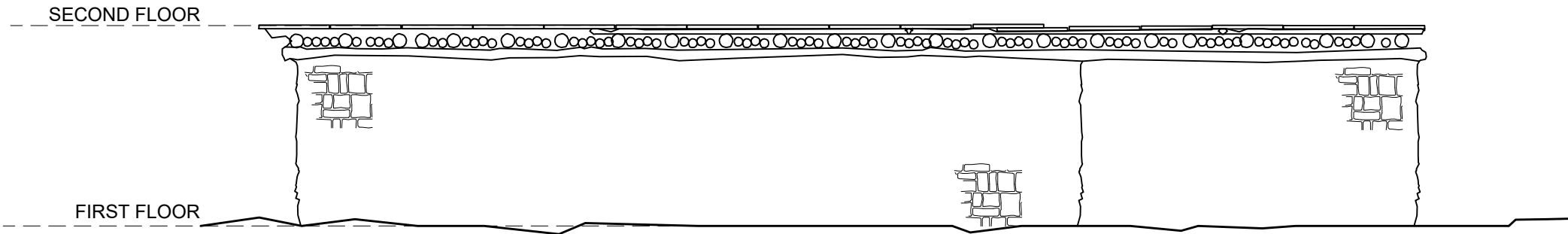
CHECKED BY:

DATE:  
JULY 2025

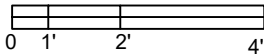
PAGE NUMBER:  
BT8\_(5.0)



FRONT ELEVATION



BACK ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

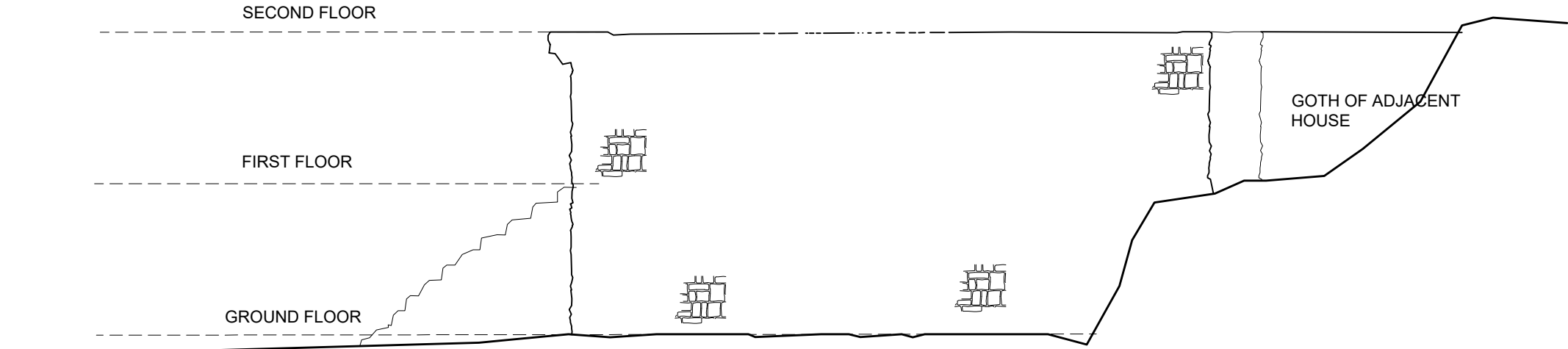
ARCHITECT:

DRAWN BY:

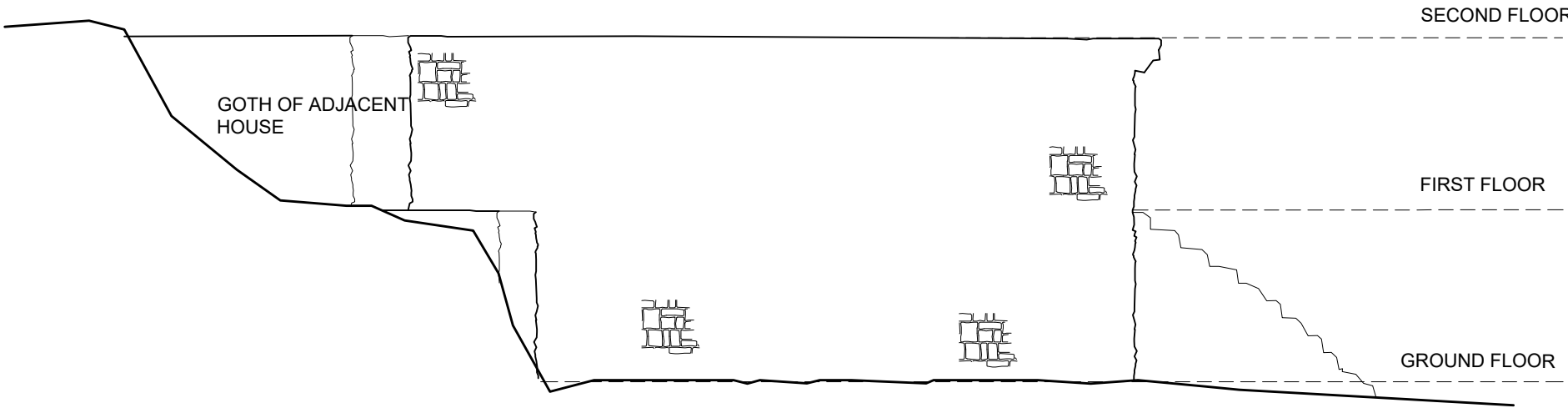
CHECKED BY:

DATE:  
JULY 2025

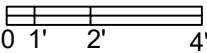
PAGE NUMBER:  
  
BT8\_(6.0)



SIDE ELEVATION



SIDE ELEVATION



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

ARCHITECT:

DRAWN BY:

CHECKED BY:

DATE:  
JULY 2025

PAGE NUMBER:  
BT8\_(7.0)

INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: ARCHITECTURAL DRAWINGS

CIVIL ENGINEER:

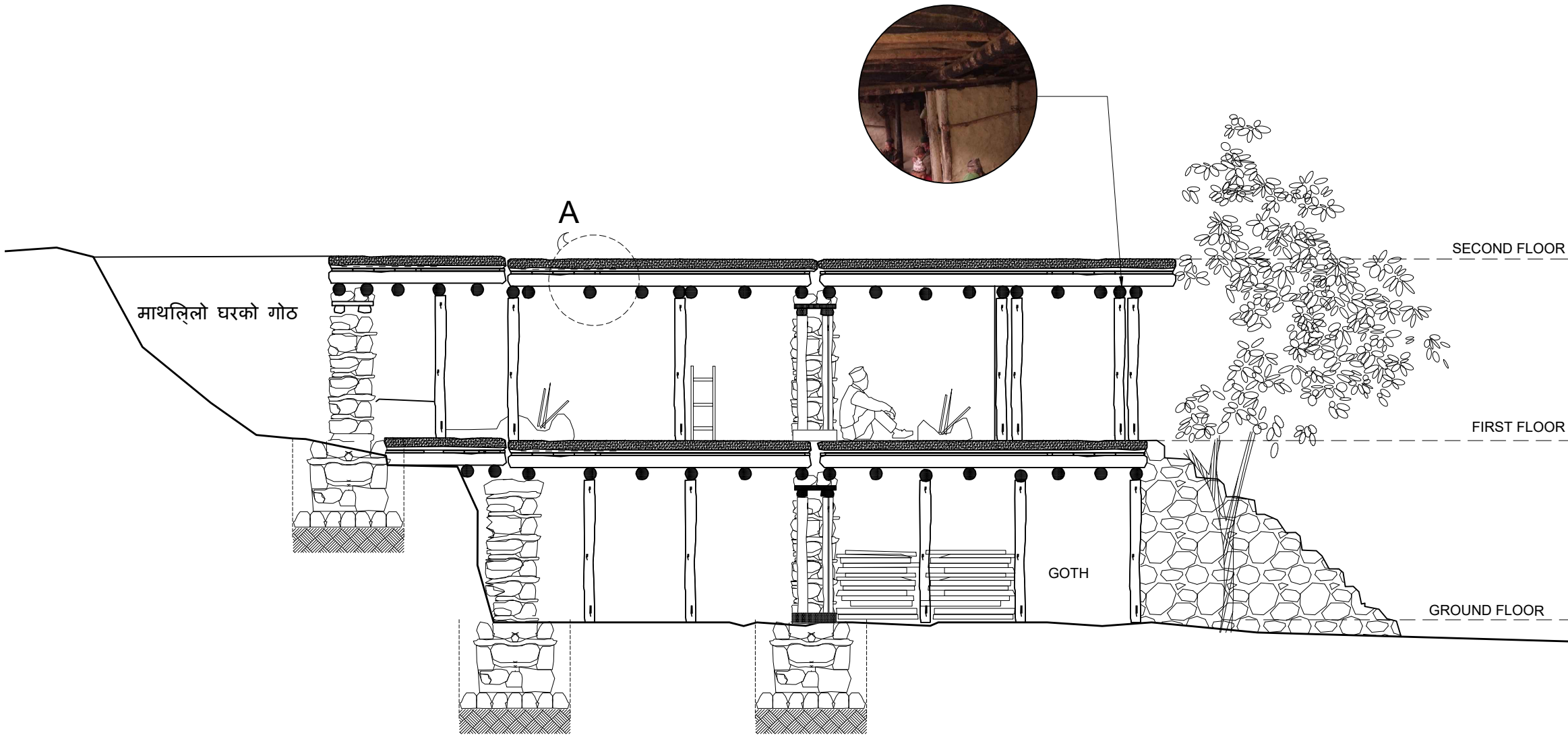
ARCHITECT:

DRAWN BY:

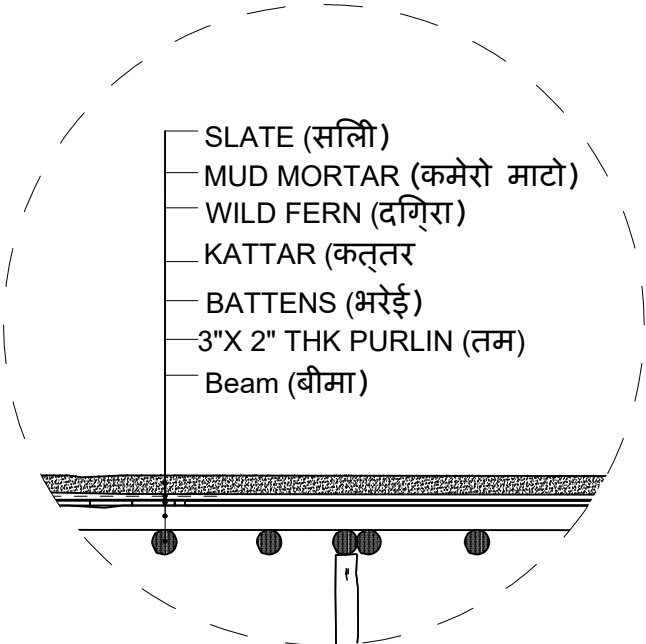
CHECKED BY:

DATE:  
JULY 2025

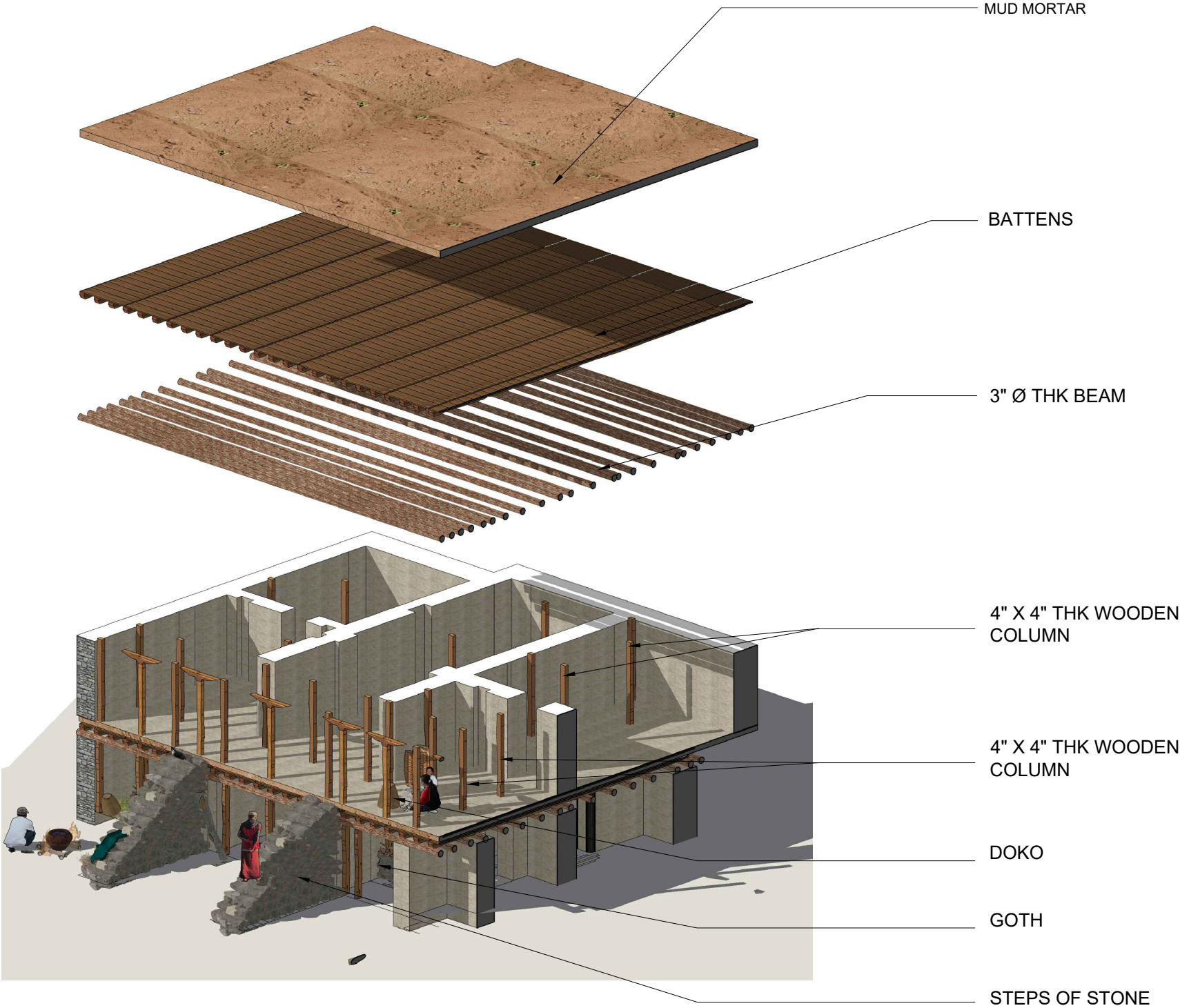
PAGE NUMBER:  
BT8\_(8.0)



SECTION AT X-X



DETAIL AT A



**INNOVATION ENGINEERING  
ASSOCIATES PVT.LTD.**

Sorakhutte KMC-16, Kathmandu, Nepal

CLIENT:  
  
Ministry of urban development  
urban infrastructure technology research and  
training centre, Babarmahal, Kathmandu

PROJECT:  
  
Study and documentation of the vernacular  
architecture and building technology of  
traditional settlement from galkot to western  
part of Baglung and Rukum east district, and to  
recommend measures/ standards for their  
sustainable conservation and continuity.

BAGLUNG AND RUKUM EAST, NEPAL

TITLE: 3D

CIVIL ENGINEER:

ARCHITECT:

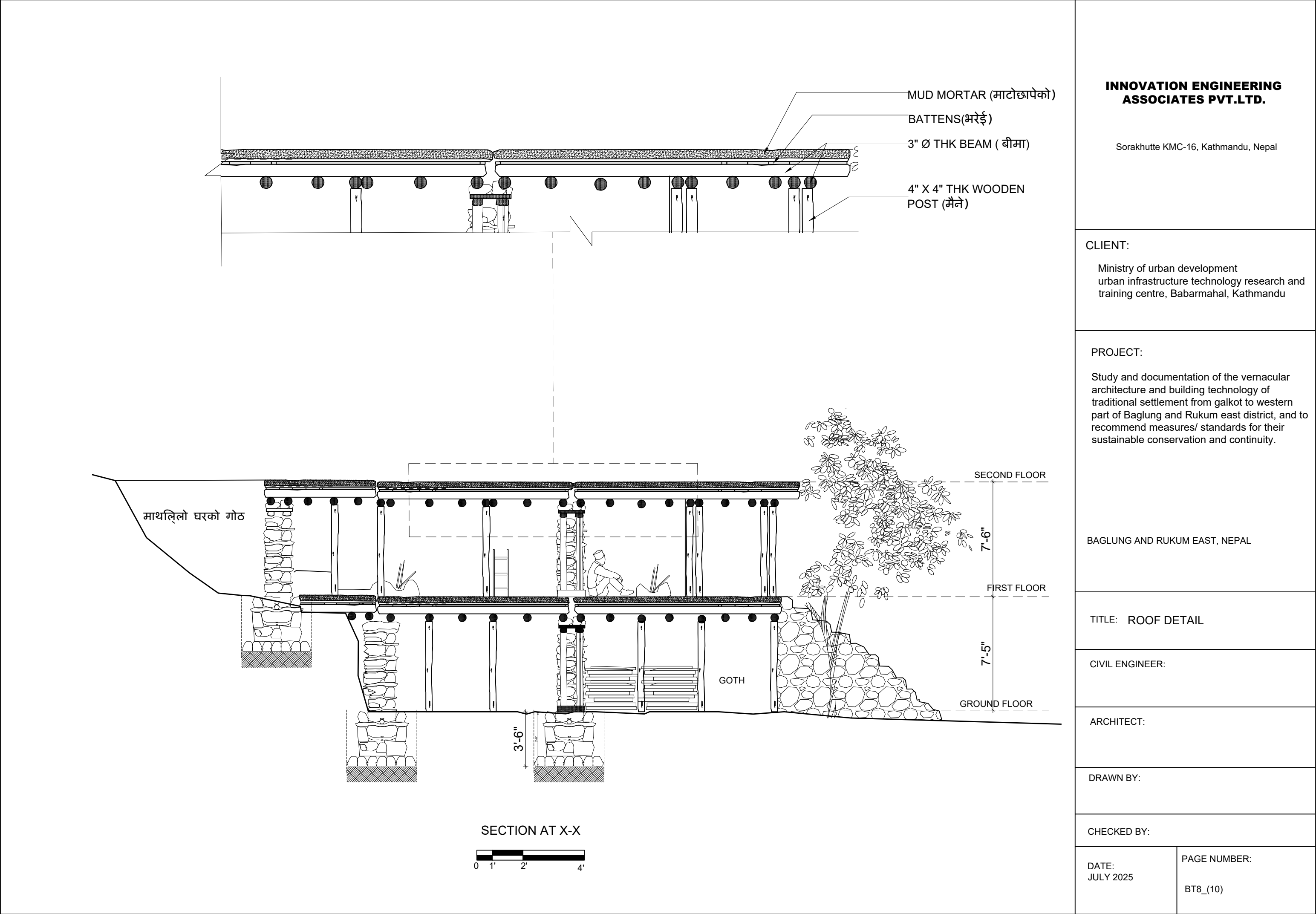
DRAWN BY:

CHECKED BY:

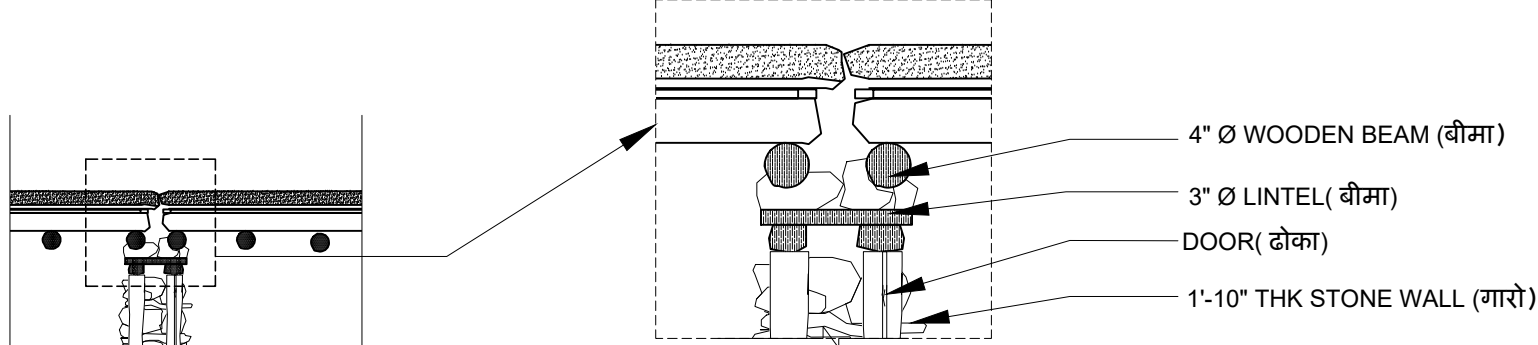
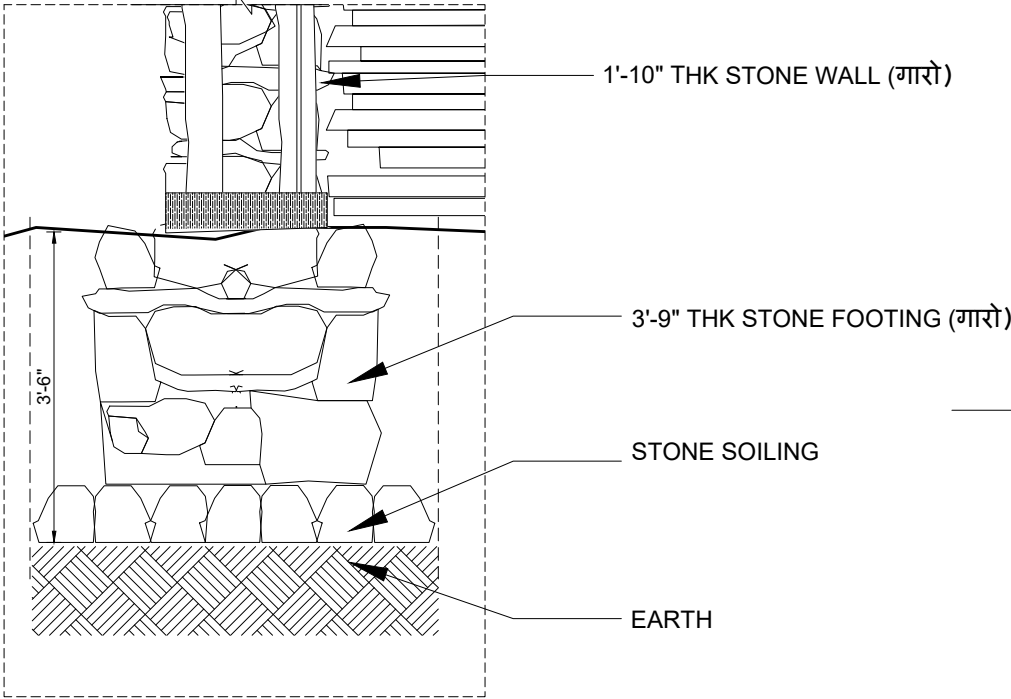
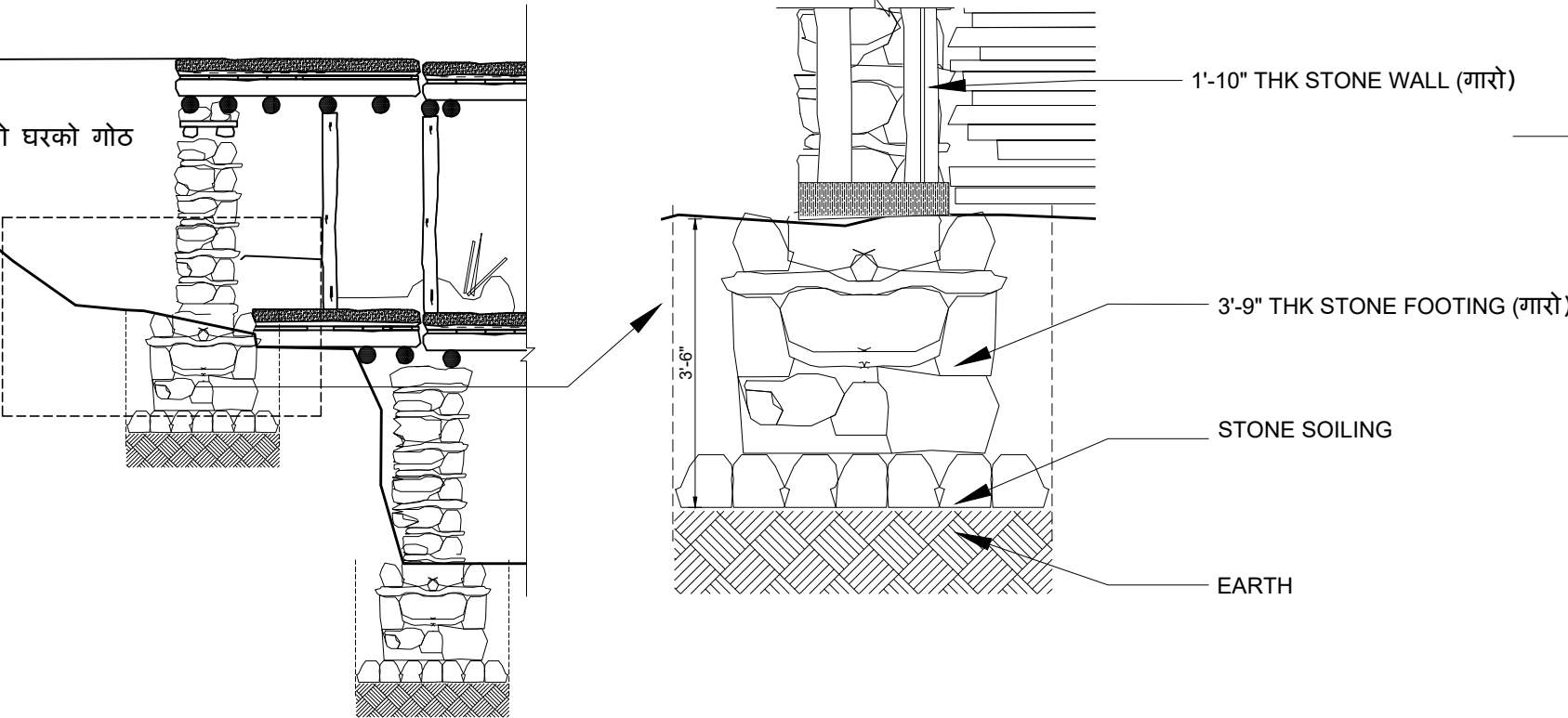
DATE:  
JULY 2025

PAGE NUMBER:  
  
BT8\_(9.0)

# STRUCTURAL CHARACTERISTICS AND CONSTRUCTION DETAILS





 <p>4" Ø WOODEN BEAM (बीमा)</p> <p>3" Ø LINTEL (बीमा)</p> <p>DOOR( ढोका)</p> <p>1'-10" THK STONE WALL (गारो)</p>	<p><b>ISSUE IDENTIFICATION ON ROOF:</b></p> <ol style="list-style-type: none"> <li>1. High chance of seepage of rain water from roof due to low maintenance of roofs and absence of insulating material</li> </ol> <p><b>RECOMMENDATION FOR NEW</b></p> <ol style="list-style-type: none"> <li>1. Insulating membrane like plastic felt shall be introduced above battens in order to minimize seeping for rain water from roof and degradation of wooden elements of roof as well as attic floor.</li> </ol>	<p><b>INNOVATION ENGINEERING ASSOCIATES PVT.LTD.</b></p> <p>Sorakhutte KMC-16, Kathmandu, Nepal</p>
 <p>1'-10" THK STONE WALL (गारो)</p> <p>3'-9" THK STONE FOOTING (गारो)</p> <p>STONE SOILING</p> <p>EARTH</p>	<p><b>ISSUE IDENTIFICATION ON GROUND FLOOR:</b></p> <ol style="list-style-type: none"> <li>1. High chance of termite infestation (termite attack) in wooden beams, rafters, joists.</li> <li>2. Lack of seasoning in wooden elements.</li> </ol> <p><b>RECOMMENDATION FOR NEW</b></p> <ol style="list-style-type: none"> <li>1. Treatment of all structural timber with appropriate anti-termite chemicals before installation.</li> </ol>	<p><b>CLIENT:</b></p> <p>Ministry of urban development urban infrastructure technology research and training centre, Babarmahal, Kathmandu</p> <p><b>PROJECT:</b></p> <p>Study and documentation of the vernacular architecture and building technology of traditional settlement from galkot to western part of Baglung and Rukum east district, and to recommend measures/ standards for their sustainable conservation and continuity.</p> <p>BAGLUNG AND RUKUM EAST, NEPAL</p>
 <p>माथिल्लो घरको गोठ</p> <p>1'-10" THK STONE WALL (गारो)</p> <p>3'-9" THK STONE FOOTING (गारो)</p> <p>STONE SOILING</p> <p>EARTH</p>	<p><b>ISSUE IDENTIFICATION ON FIRST FLOOR:</b></p> <ol style="list-style-type: none"> <li>1. Dampness from adjacent house.</li> </ol> <p><b>RECOMMENDATION FOR NEW</b></p> <ol style="list-style-type: none"> <li>1. Treatment of structural wall with appropriate insulation chemicals before installation.</li> </ol> <p><b>TITLE: WALL SECTION</b></p> <p><b>CIVIL ENGINEER:</b></p> <p><b>ARCHITECT:</b></p> <p><b>DRAWN BY:</b></p> <p><b>CHECKED BY:</b></p> <p><b>DATE:</b> JULY 2025</p> <p><b>PAGE NUMBER:</b> BT8_(11)</p>	