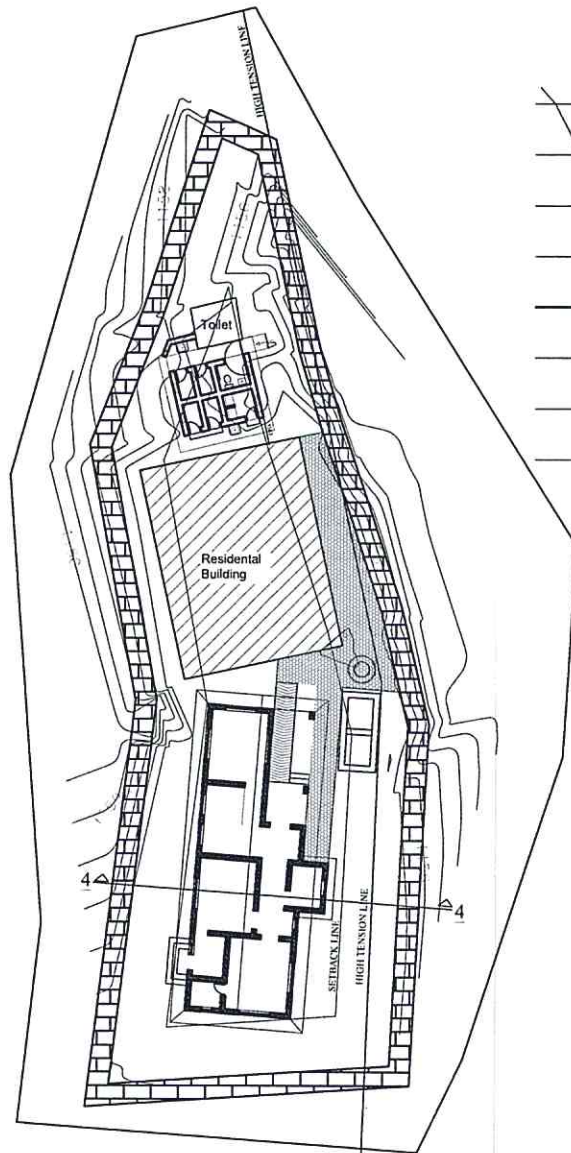


Drawings:

Kaina Health Post,
Nalgad-3, Kaina, Jajarkot

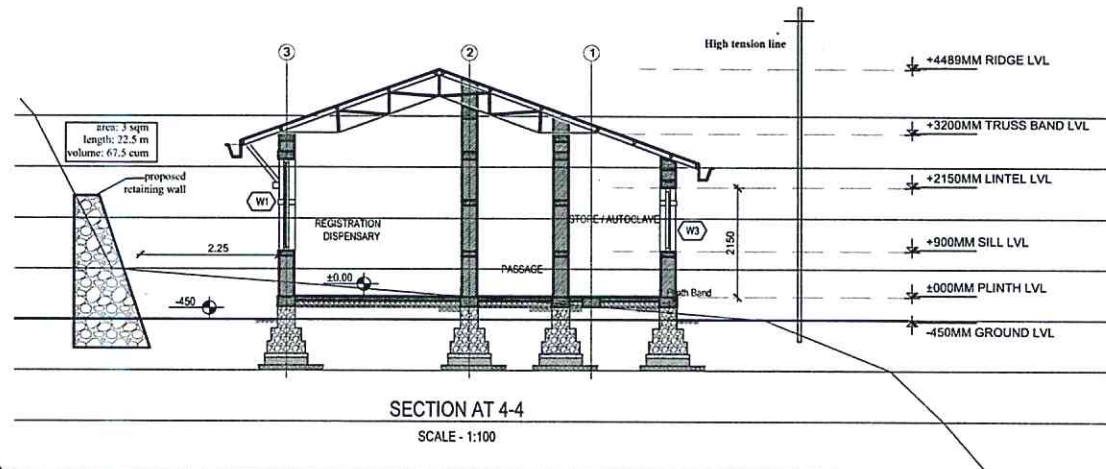




PROPOSED NALGAD-3, KAINA, HEALTH POST WITH BIRTHING CENTER

SCALE - 1:300

Existing Site Area = 677.3341 sq.m.
 Total Floor Area of Proposed Health Post = 195.98 sq.m.
 Number of storey = 1



SECTION AT 4-4

SCALE - 1:100

NOTE:
 1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
 DRAWINGS SHALL NOT BE MEASURED.
 2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
 TO THE SITE ENGINEER.



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Jajarkot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Kaina Health Post

CONSULTANT:

A. Not
 Architecture N Architects (P.) Ltd.
 (Pvt.) Ltd. Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
 Bidita Shakya
 Raj Krishna Tamakhu
 Prajina Maharjan
 Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

MASTER PLAN AND SECTION WITH SITE SECTION

REVISIONS

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

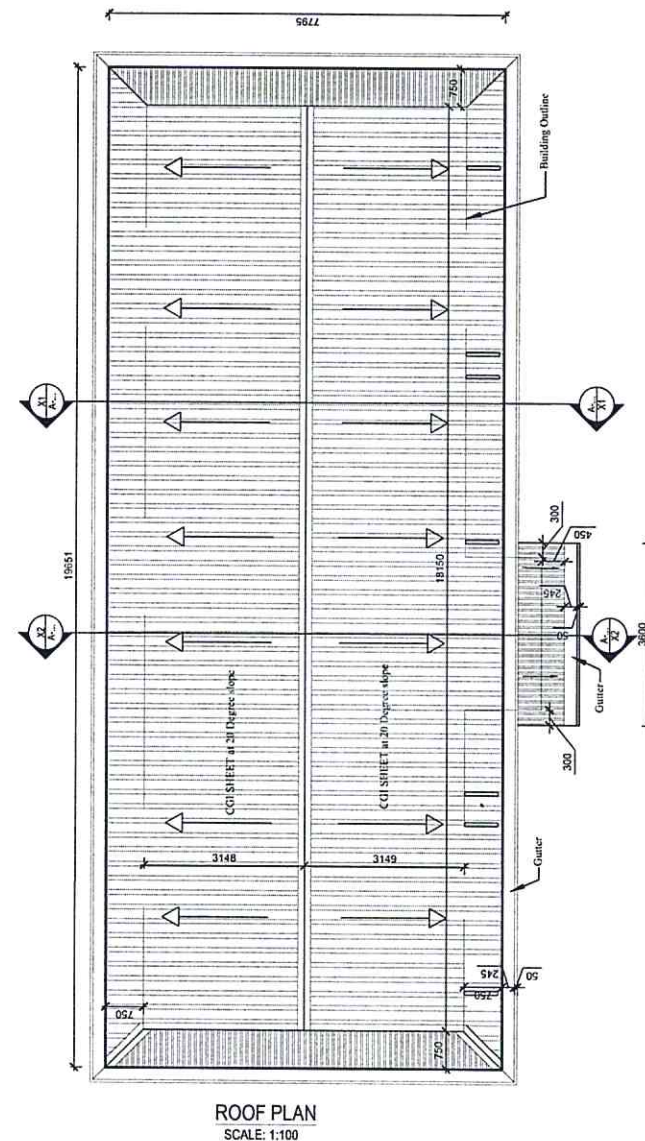
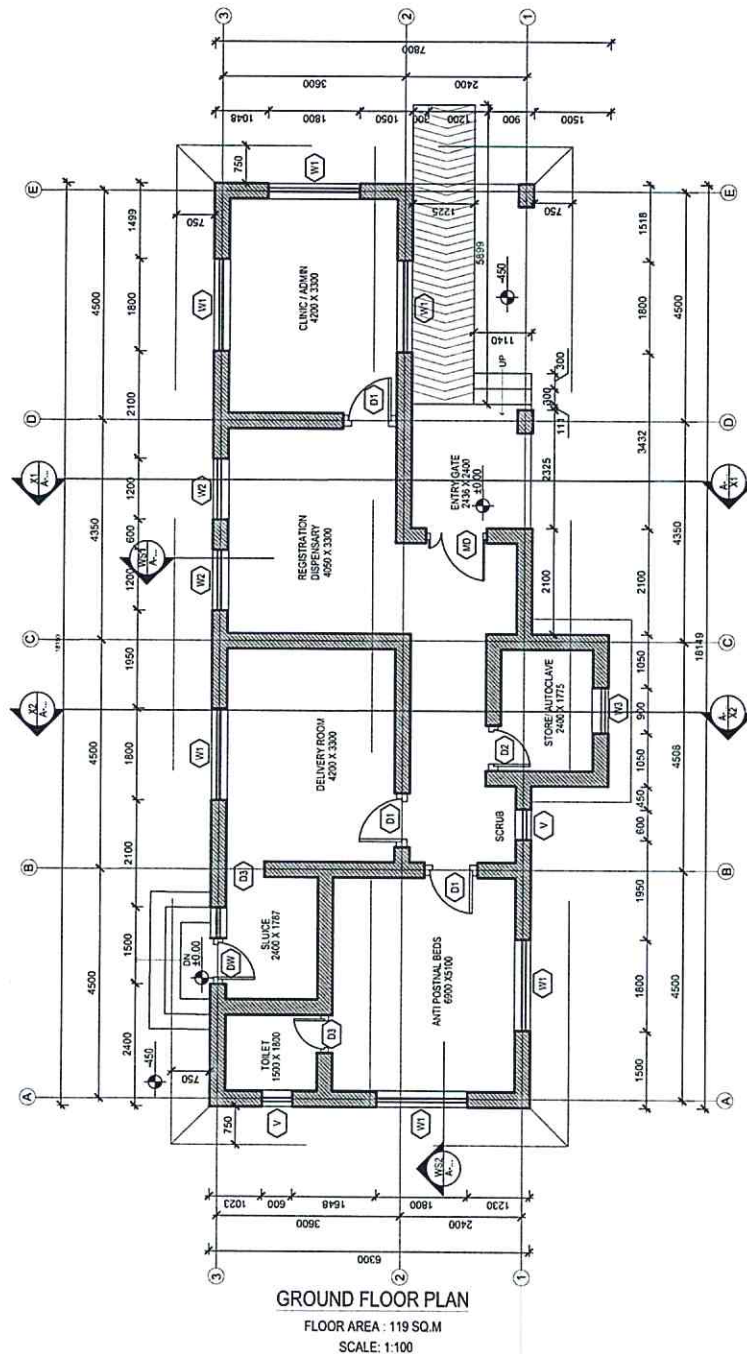
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-101





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Karna Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
P.O. Box, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

FLOOR PLAN AND ROOF PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

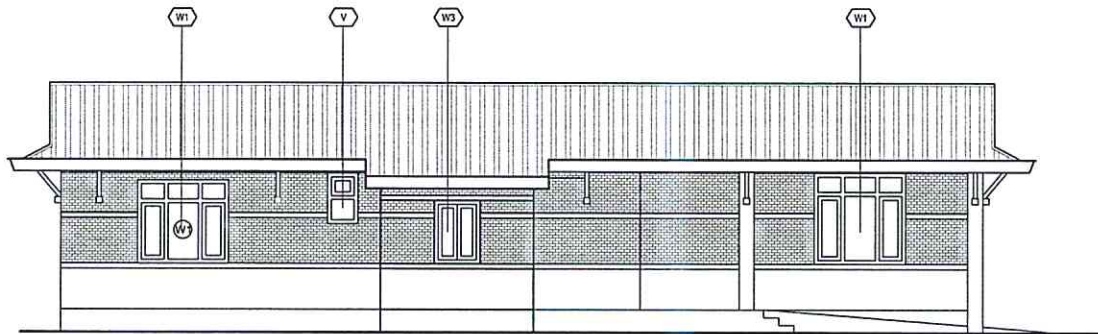
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REVISION NO.: REVISION NO.

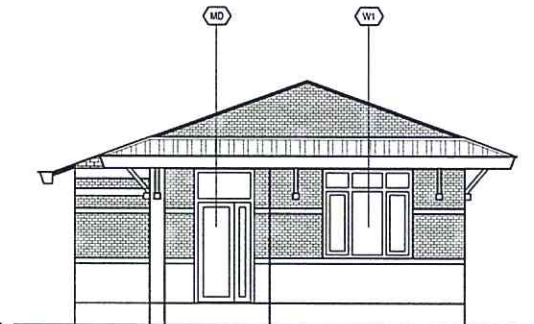
SHEET NO.

A-102

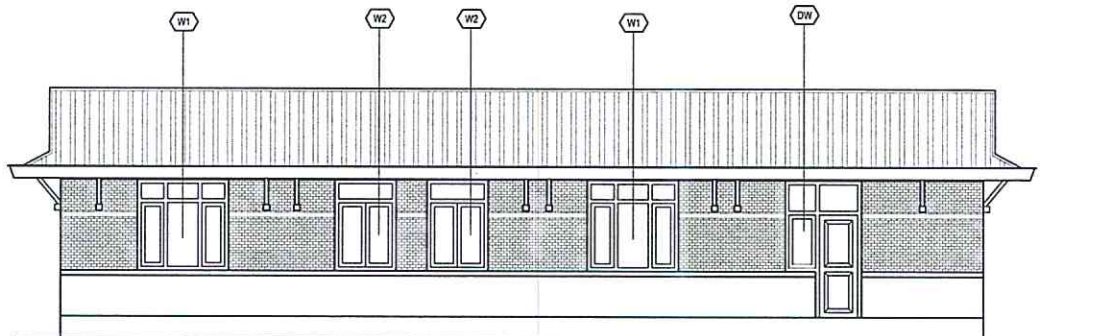
HELVETAS
NEPAL



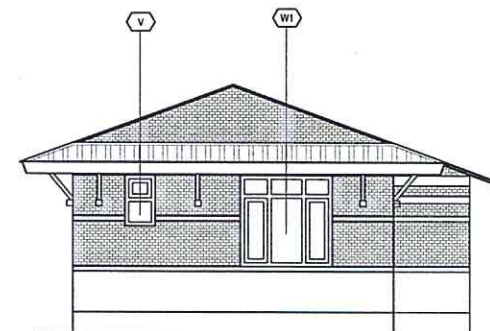
EAST (SIDE) ELEVATION
SCALE - 1:100



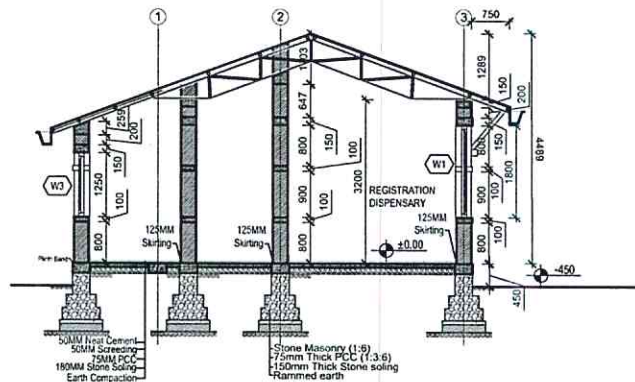
NORTH (FRONT) ELEVATION
SCALE - 1:100



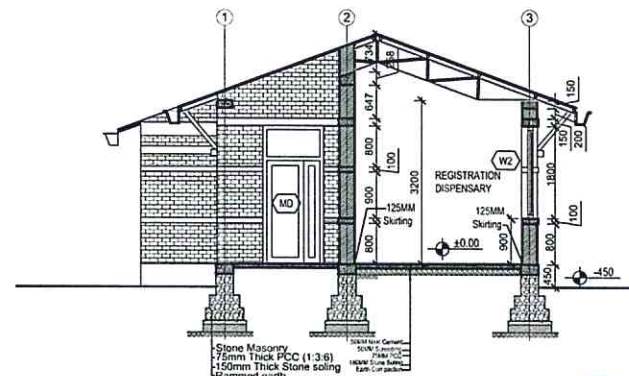
WEST (SIDE) ELEVATION
SCALE - 1:100



SOUTH (BACK) ELEVATION
SCALE - 1:100



SECTION AT X2-X2
SCALE - 1:100



SECTION AT X1-X1
SCALE - 1:100

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jayakot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Kaina Health Post

CONSULTANT:

A. Not
Architecture & Interiors (P.) Ltd.
P.O. Box: 10, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

ELEVATIONS AND SECTIONS

REVISIONS

NUM.	DESCRIPTION	DATE
I		
II		
III		
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CONTRACT NO.:

SCALE: AS SPECIFIED

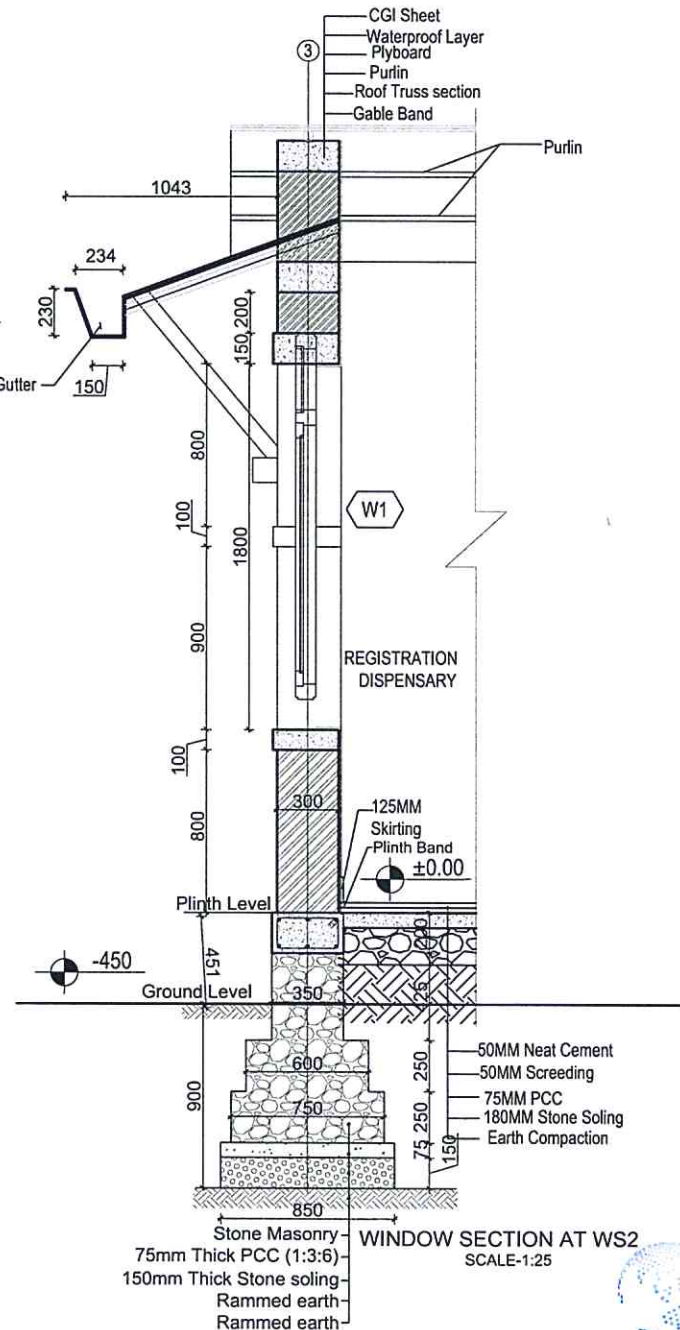
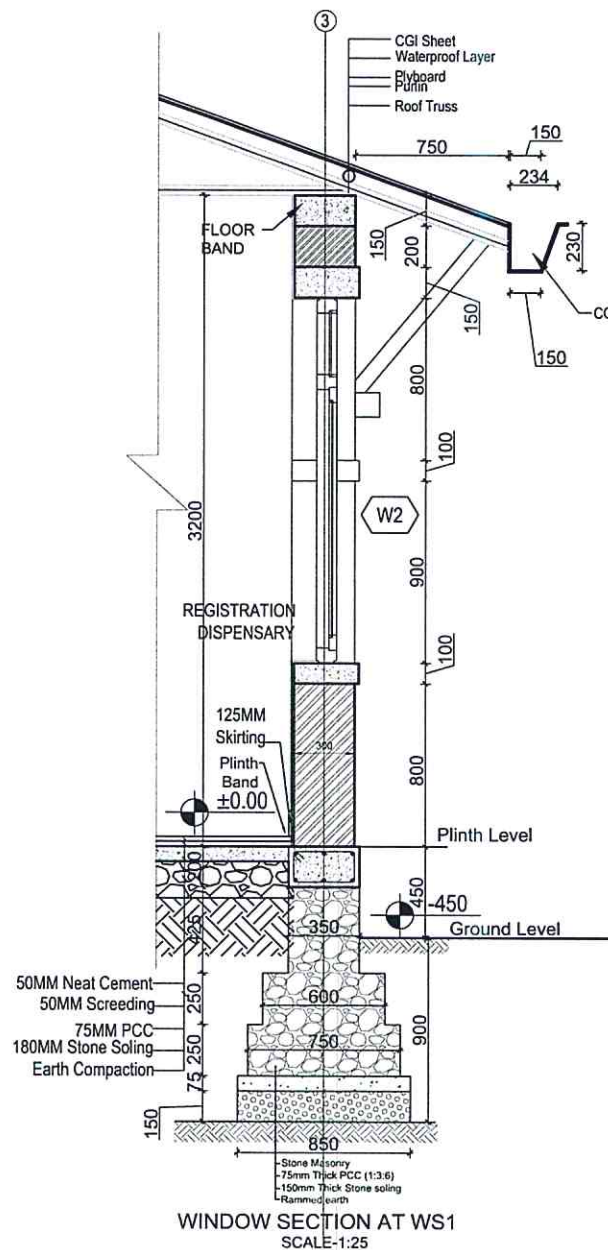
DATE: 12 NOV. 2024

REVISION NO. REVISION NO.

SHEET NO.

A-103





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Kaina Health Post

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
P.O. Box 1, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

WALL SECTIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

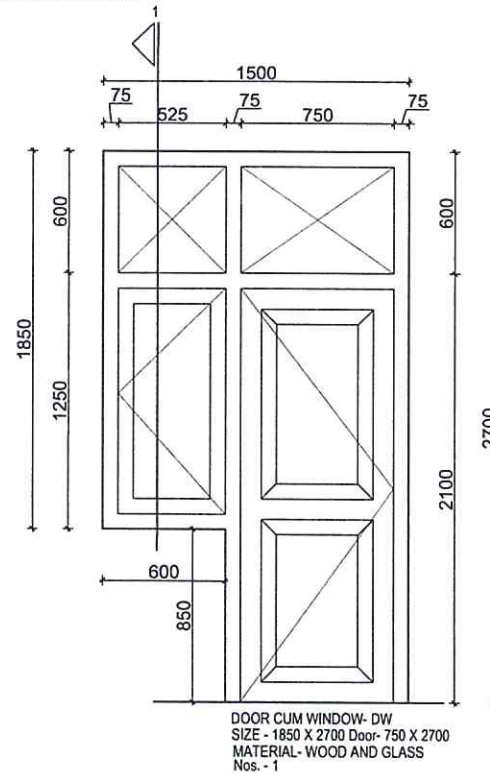
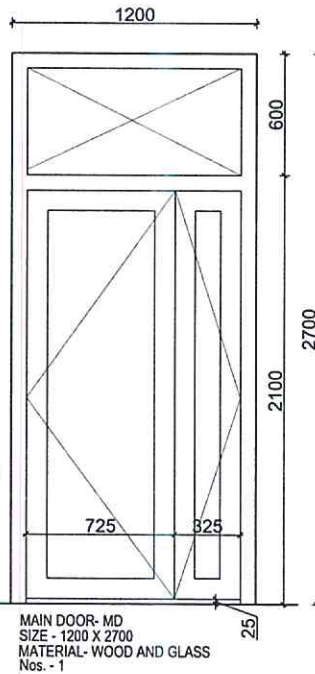
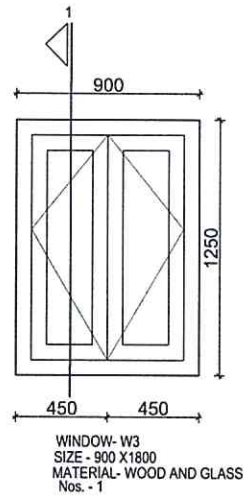
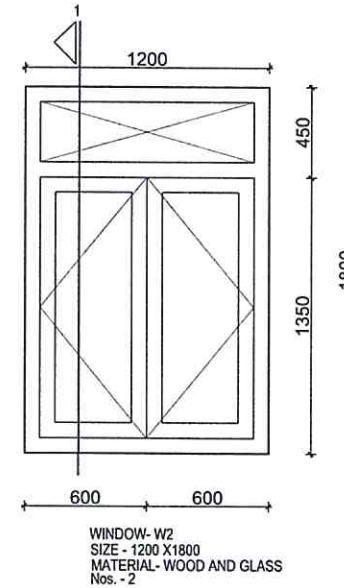
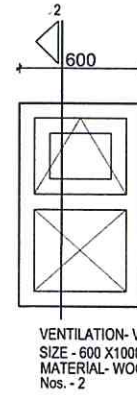
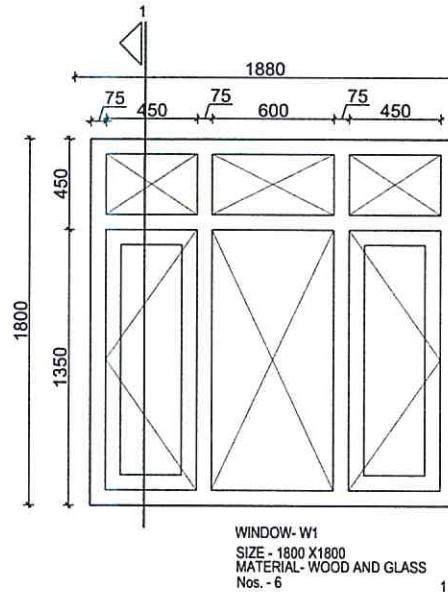
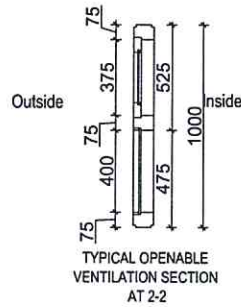
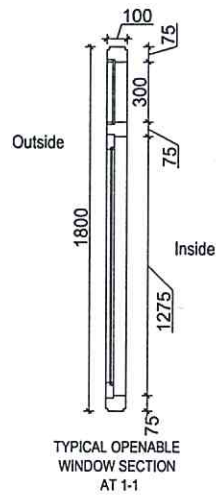
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-104





NOTE
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Nalgao-3, Karna Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
B.P. 111, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

DOOR WINDOW DETAILS

REVISIONS:

NUM	DESCRIPTION	DATE
I		
II		
III		
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V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO. REVISION NO.

SHEET NO.

A-105



OPENING SCHEDULE

SN	OPENINGS	SYMBOL	NOS.	SIZE L X H	REMARKS.
1	DOOR	MD	1	1200X2700	
		D1	3	1050X2100	
		D2	1	900X2100	
		D3	2	750X2100	
2	WINDOW	W1	6	1800X1800	
		W2	2	1200X1800	
		W3	1	900X1250	
3	DOOR AND WINDOW	DW	1	900X2700	DOOR
			1	600X1850	WINDOW
4	VENTILATION	V	2	600X1000	

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jayarkot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Karna Health Post

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
1/10/19, Tinkune, Lalitpur, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

DOOR WINDOW SCHEDULE
AND FINISHING DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

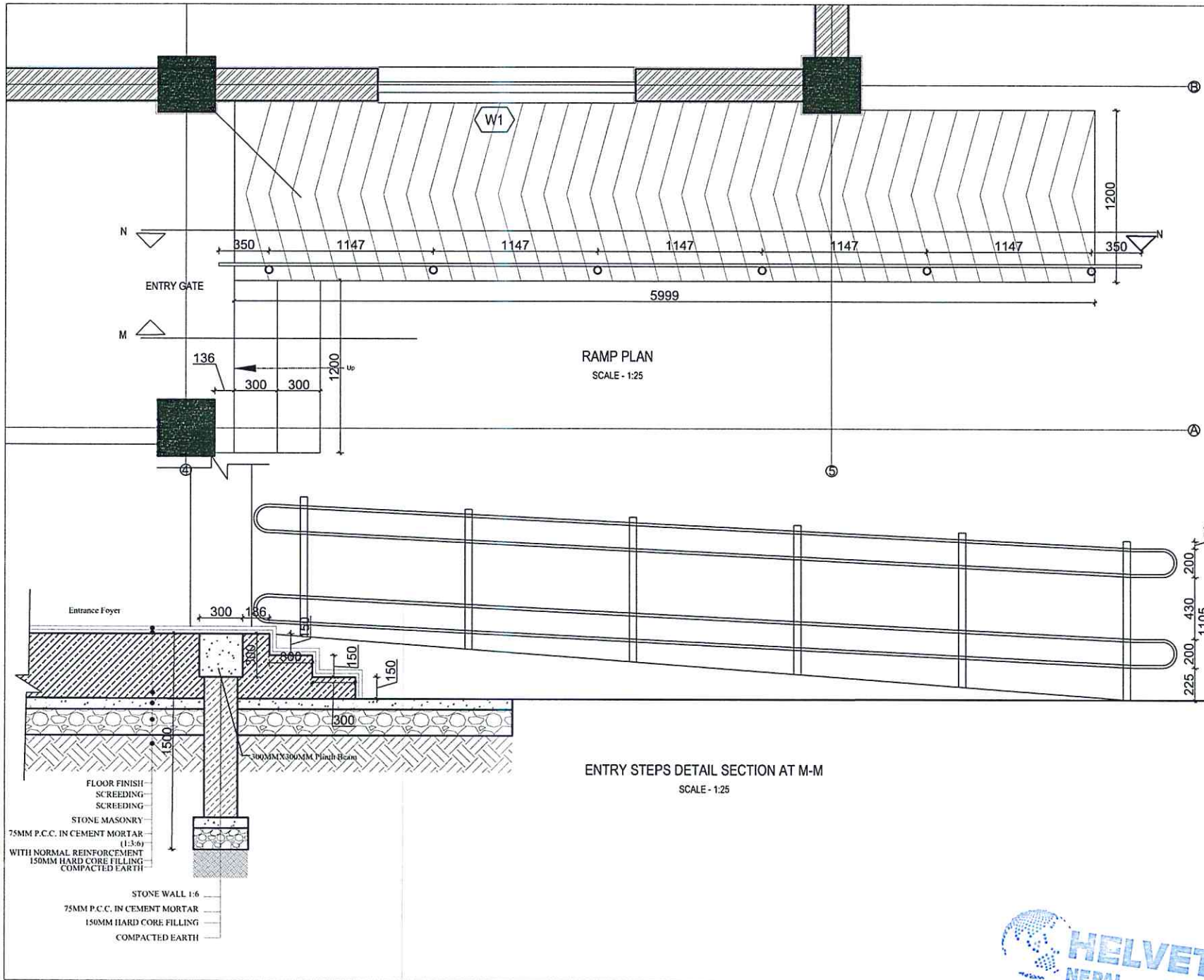
A-106

FINISHING DETAILS

SN	NAME OF SPACE AND BUILDING ELEMENT	NOS.	INSIDE FINISHES			OUTSIDE FINISHES			OTHER FINISHES
			WALL	FLOOR	CEILING	WALL	FLOOR	CEILING	
1	ANTI POSTNATAL BEDS	1	12 MM THK. 1:5 CS PLASTER 2 COAT ENAMEL PAINT WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	EXPOSED CSEB SURFACE 12 M THK CEMENT PLASTER UP TO SILL LEVEL WHERE IT IS EXPOSED TO RAIN 2 COAT ENAMEL PAINT WITH PRIMER	-	CEMENT BOARD FALSE CEILING 2 COAT WC PAINT WITH PRIMER	-
2	TOILET	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER CERAMIC TILE UP TO 2 M HEIGHT	CERAMIC TILE	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
3	SLUCE	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
4	DELIVERY ROOM	1	12 MM THK. 1:5 CS PLASTER 2 COAT ENAMEL PAINT WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
5	REGISTRATION AND DISPENSARY	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
6	CLINIC / ADMIN	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
7	STORE / AUTOCLAVE	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
7	SCRUB AND PASSAGE	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
7	ENTRANCE	1	-	-	-	50 MM THK. 1:3:6, SCREEDING CEMENT PUNING	-	-	-
7	RAMP	1	-	-	-	50 MM THK. 1:3:6, SCREEDING NON SLIPPERY SURFACE SIDEWAYS CS PLASTER	-	-	STAINLESS STEEL HAND RAIL AND BALUSTER

CS: CEMENT SAND EP: EMULSION PAINT WC: WEATHER COAT





NOTE:
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DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.



CLIENT:
HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Nalgad-3, Kaina Health Post

CONSULTANT:
A. Not
Architecture & Architects (P.) Ltd.
P.O. Box 11, Kathmandu, Nepal

PRINCIPAL ARCHITECT:
Damodar Acharya

DESIGN TEAM:
Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:
RAMP AND STEP DETAILS

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VI		
VII		
VIII		

CONTRACT NO.:
SCALE: AS SPECIFIED
DATE: 12 NOV. 2024
REVISION NO.: REVISION NO.
SHEET NO.

GENERAL NOTES:

1. THESE NOTES APPLY TO ALL DRAWING SHEETS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ ONLY.
3. ALL DIMENSIONS ARE IN MILLIMETERS(mm) UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE COMMENCING WORK (I.E. BEFORE DESIGN, FABRICATION AND CONSTRUCTION) AND NOTIFY THE ENGINEERS IMMEDIATELY OF ANY VARIATION FROM THE PLANS FOR THE ENGINEERS EVALUATION. COORDINATING AND VERIFICATION OF DIMENSIONS AND LOCATION OF EMBEDDED ITEMS IS THE RESPONSIBILITY OF THE CONTRACT.
5. RESOLVE ANY CONFLICT ON THE CONTRACT DOCUMENTS WITH THE ENGINEER BEFORE PROCEEDING WITH WORK. IN CASE OF DISCREPANCY IN SIZES, DETAILS, CONDITIONS ETC. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST STRINGENT SIZE/DETAIL/CONDITION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE WORK SITE, PARTICULARLY, EXCAVATED AREAS, FROM FLOODING, PONDING, AN INUNDATION BY POOR OR IMPROPER SURFACE DRAINAGE. TEMPORARY PROVISIONS SHOULD BE MADE TO ADEQUATELY DIRECT SURFACE DRAINAGE FROM ALL SOURCES AWAY FROM AND OFF THE WORK SITE. ALSO PROVIDE ADEQUATE SUMPS AND PUMPS TO HANDLE ANY FLOW INTO THE EXCAVATION.
7. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT & EOR BEFORE PROCEEDING WITH ANY WORK TO BE INVOLVED.
8. FIELD DRILLING OF HOLES IN ANY STRUCTURAL MEMBER IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OR THE STRUCTURAL ENGINEER.
9. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
10. CONTRACTORS SHALL VERIFY THE LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES, ETC., AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE SAME FROM DAMAGE. ANY SUCH DAMAGE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S COST.
11. THE GEOLOGICAL CONDITION AND SOIL EXPLORATION NEEDS TO BE CARRIED OUT BEFORE EXECUTION OF WORK.
12. "TYPICAL DETAILS" ARE APPLICABLE THROUGHOUT CONSTRUCTION DOCUMENTS AND MAY NOT BE SPECIFICALLY REFERENCED THEREIN. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE TYPICAL DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION TO PERFORMING WORK.
13. UNLESS OTHERWISE INDICATED ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED JOINTS WITH MINIMUM AMPLITUDE OF 5MM.
14. PLUMBING SLOTS, HOLES AROUND PIPES, DUCTS OR OTHER ITEMS WHICH PASS THROUGH CONCRETE SLAB OR WALL SHALL BE FILLED AND PATCHED TO THE SAME DEPTH AS THE SLAB OR WALL.

CONCRETE:

1. CEMENT SHALL CONFORM TO IS 12269:2013.
2. AGGREGATE SHALL CONFORM TO IS 383:2016.
3. GRADE OF CONCRETE MIX SHALL BE M20 FOR ALL OTHER STRUCTURAL COMPONENTS.
4. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:

CLEAR COVER (mm)	
PLINTH, SILL, LINTEL, FLOOR & GABLE BAND	
25	

5. THE MAXIMUM DESIGN SLUMP FOR PUMPED CONCRETE SHALL BE IN BETWEEN 75-100 mm AND FOR NORMAL CONCRETE IN BETWEEN 50-100 mm.
6. ALL DETAILS, METHODS OF CONSTRUCTION, ETC., SHALL COMPLY WITH ALL REQUIREMENTS AND/OR RECOMMENDATIONS OF IS 456:2000.
7. ADMIXTURES SHALL NOT BE USED WITHOUT CONSENT OF THE ENGINEER.

REINFORCING STEEL:

1. REINFORCEMENT SHALL BE THERMO MECHANICALLY TREATED(TMT) OF GRADE FE: 500 CONFORMING TO IS 1786:2008.
2. LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (L_d)
3. NOT MORE THAN HALF OF THE LONGITUDINAL BARS SHALL BE LAPPED AT A SECTION.
4. LAP SPLICES SHALL BE PROVIDED ONLY IN THE MIDDLE HALF OF THE COLUMN.
5. LAPPING OF BOTTOM BARS IN THE BEAM SHOULD BE RESTRICTED TO A REGION AT LEAST '2d' AWAY FROM COLUMN FACE WHERE 'Z' IS THE EFFECTIVE BEAM DEPTH, BUT EXCLUDING MIDDLE QUARTER LENGTH OF THE BEAM WHILE LAPPING OF TOP BARS SHOULD BE RESTRICTED TO ONE - THIRD LENGTH OF THE BEAM.
6. DEVELOPMENT LENGTH (L_d) SHALL BE AS FOLLOW:

GRADE OF CONCRETE	M20
DEVELOPMENT LENGTH (L_d)	57 ϕ

STRUCTURAL STEEL:

1. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO IS 800:2007 FOR THE DESIGN, FABRICATIONS AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. THE STRUCTURAL STEEL SHALL CONFORM TO IS 2062:2011.
3. STRUCTURAL STEEL SHALL BE OF GRADE, E 250 WITH YIELD STRENGTH 250 MPa.
4. STRUCTURAL STEEL SECTION SHALL COMPLY TO IS 808:1989.

STRUCTURAL TEST & INSPECTIONS:

1. ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY PER IS 456:2000. COPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE ENGINEER.
2. CONCRETE:
 - A. PROVIDE CONTINUOUS INSPECTIONS DURING CASTING OF CONCRETE.
3. BOLTS INSTALLED IN CONCRETE:
 - A. PROVIDE PERIODIC INSPECTION DURING THE INSTALLATION OF THE BOLTS. ALL BOLTS SHALL BE INSPECTED PRIOR TO PLACEMENT OF THE CONCRETE.
 - B. PROVIDE CONTINUOUS INSPECTIONS OF THE BOLTS DURING THE PLACEMENT OF CONCRETE.
4. REINFORCING STEEL:
 - A. PROVIDE PERIODIC INSPECTION DURING THE PLACING OF THE REINFORCING STEEL.
5. STRUCTURAL WELDING:
 - A. PROVIDE CONTINUOUS INSPECTIONS DURING ALL WELDING.
6. WELDING:
 - A. PROVIDED PERIODIC INSPECTIONS OF WELDING METALS, STANDARD ELECTRODES AND JOINT PREPARATION IN WELDING PROCESS.
 - B. SPECIAL INSPECTOR SHALL MONITOR TO MINIMIZE INCOMPLETE FUSION, INCOMPLETE PENETRATION, POROSITY, SLAG INCLUSIONS, CRACKS & UNDERCUTTING.
 - C. SPECIAL INSPECTOR SHALL OBSERVE THE SIZE OF WELD, EFFECTIVE LENGTH, THROAT THICKNESS, THICKNESS OF PARENT METAL AND OTHER FACTOR THAT CONTROLS THE PROPER WELDING.

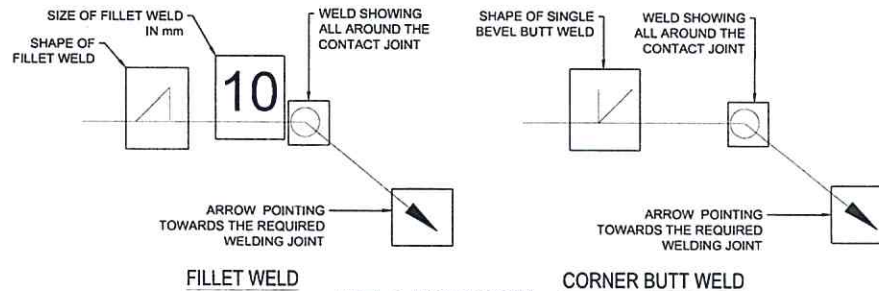
COMPRESSED STABILIZED EARTH BLOCK (CSEB):

1. THE CSEB USED IN THE BUILDINGS ARE OF INTERLOCKING BRICKS WITH TWO HOLES.
2. THE MINIMUM COMPRESSIVE STRENGTH OF CSEB SHALL BE 5 MPa.
3. DIMENSION OF CSEB SHALL BE 150X300X100mm.
4. CEMENT MORTAR USED IN CSEB SHALL BE 1:5 (CEMENT:SAND).

ABBREVIATIONS:

FOLLOWING ABBREVIATIONS ARE USED IN THE DRAWINGS:

2L	TWO LEGGED
@	AT
ϕ	DIAMETER OF REBAR
c/c	CENTER TO CENTER
L_d	DEVELOPMENT LENGTH
T	TYPE OF STEEL
c	CLEAR COVER
ϕ_b	DIAMETER OF BAR



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER.

CLIENT:

HELVETAS
NEPAL

PROJECT:

Debrief Engineering Design of School Buildings
and Health Posts Building
in Jalpotek and Pokhara West

PROJECT TITLE:

4. Helvetas, Kathmandu Health Post

CONSULTANT:

A. Not
Architecture & Interiors (P.) Ltd.
100-10, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

GENERAL NOTES

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

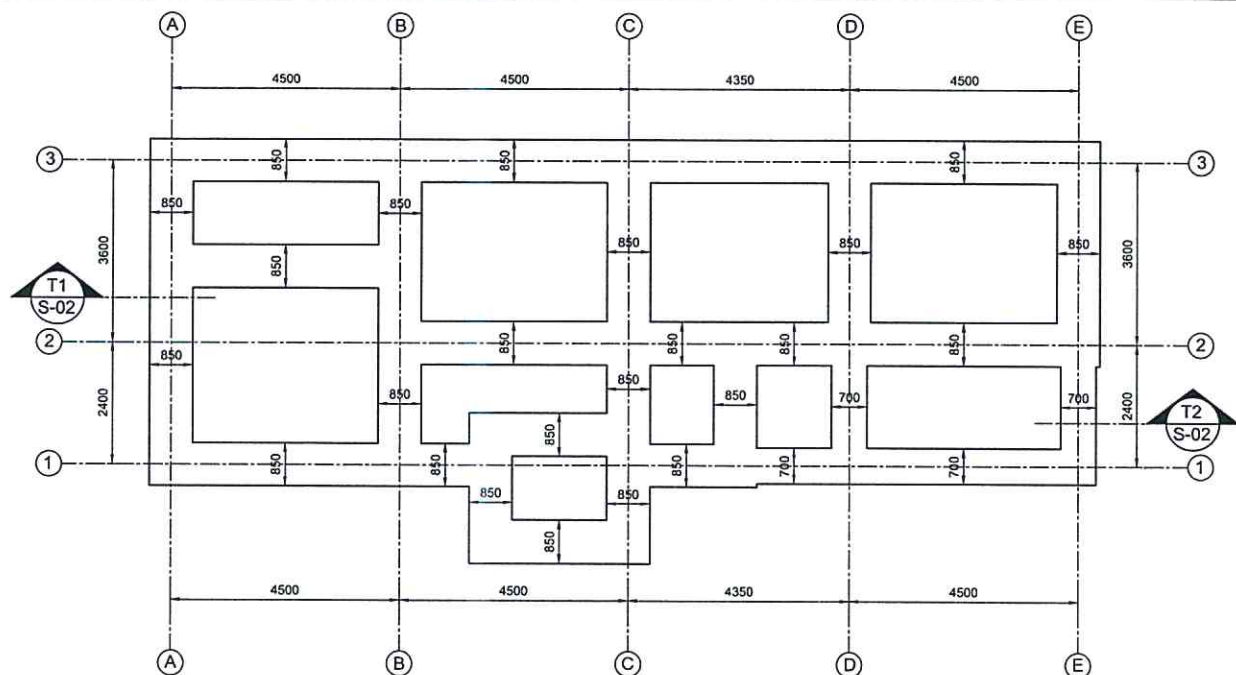
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

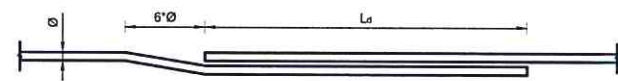
SHEET NO.

S-101

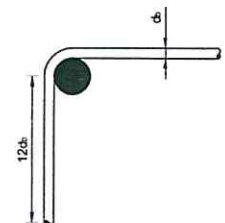




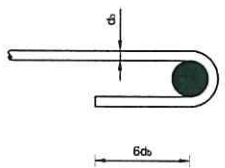
TRENCH PLAN
SCALE=1:100



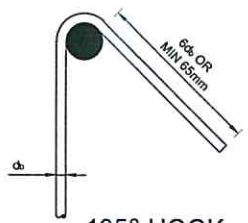
REBAR LAPPING DETAILS
NOT TO SCALE



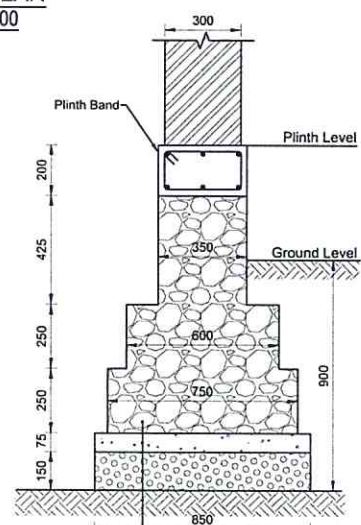
90° HOOK
NOT TO SCALE



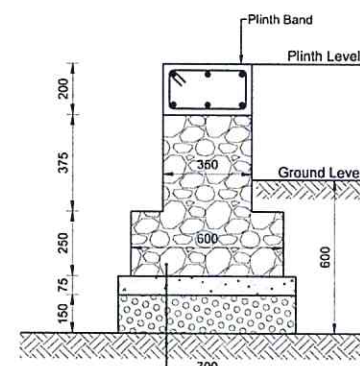
180° HOOK
NOT TO SCALE



135° HOOK
NOT TO SCALE



SECTION AT T1
SCALE=1:20



SECTION AT T2
SCALE=1:20

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.

CLIENT:
HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jalpaiguri and Purnea West

PROJECT TITLE:
4. Helged-3, Kales Health Post

CONSULTANT:
A. Not
Architecture & Interiors (P.) Ltd.
(100-10, Thimphu, Bhutan, India)

PRINCIPAL ARCHITECT:
Demodar Acharya

STRUCTURAL ENGINEER:
BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:
**TRENCH PLAN, WALL SECTION
& TYPICAL DETAILS**

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
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VII		
VIII		

CONTRACT NO.:

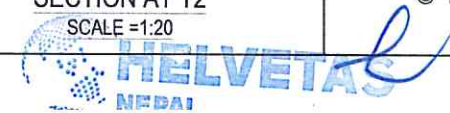
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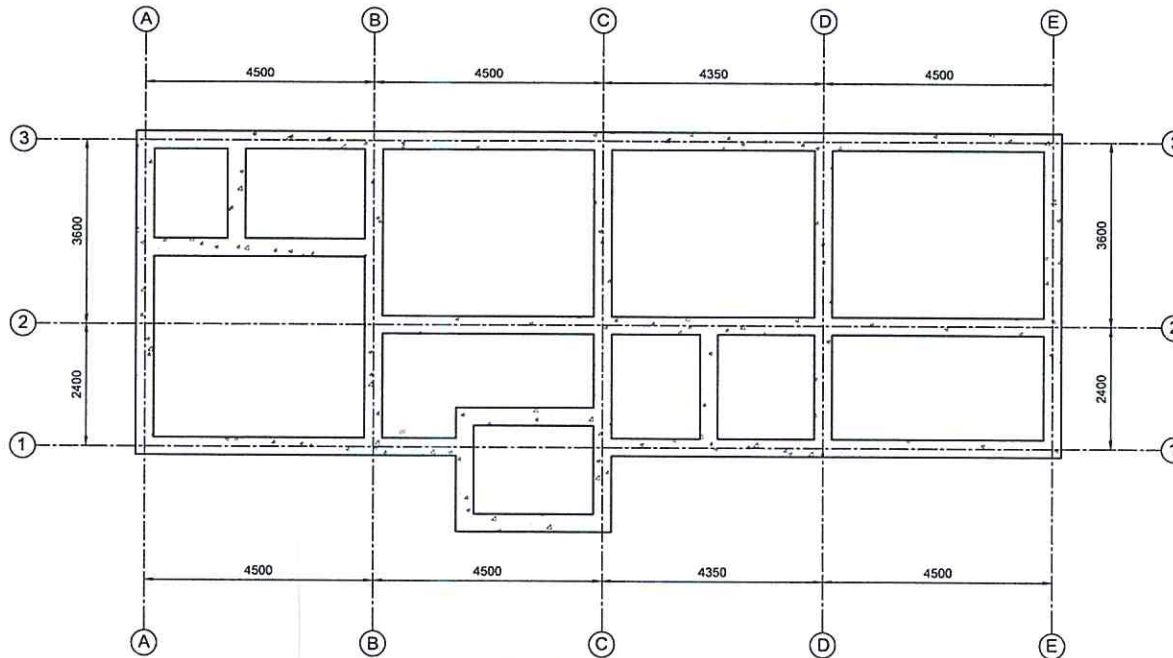
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

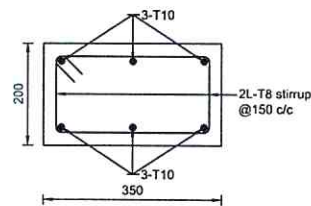
SHEET NO.

S-102





PLINTH BAND PLAN
SCALE=1:100



PLINTH BAND SECTION
SCALE=1:10

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
In Jajarkot and Purnea West

PROJECT TITLE:

4, Helgad-3, Kasma Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
10/10, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Demodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC-6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

PLINTH BAND PLAN & SECTION

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

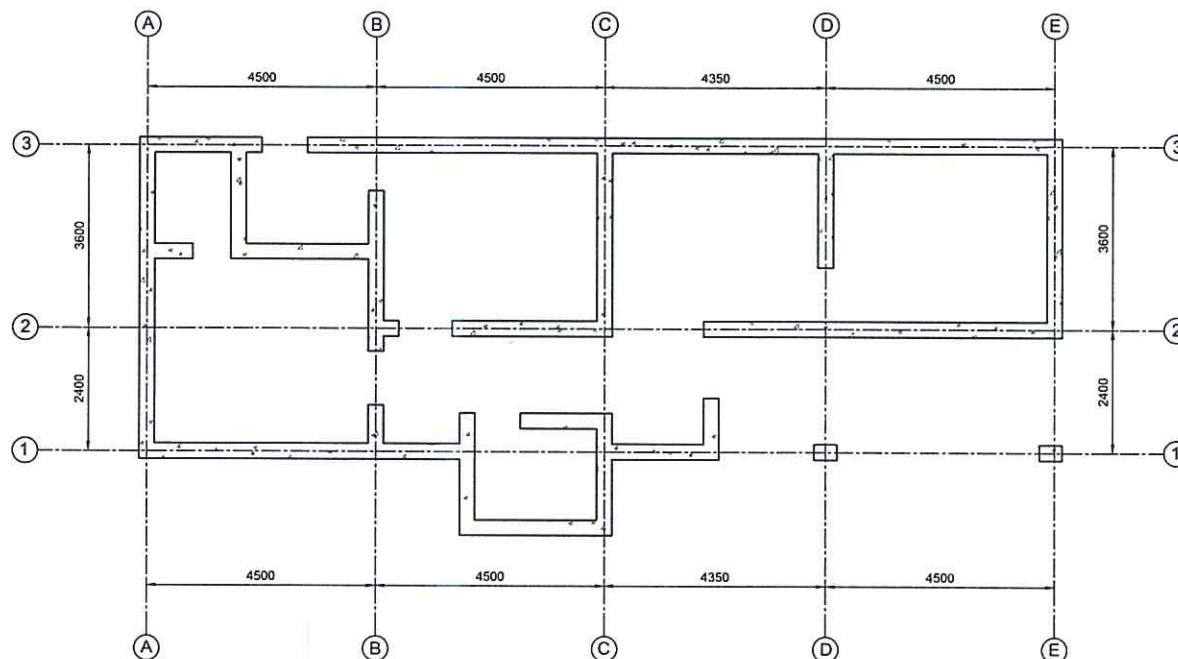
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

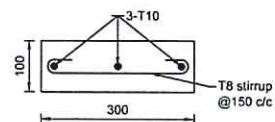
SHEET NO.

S-103





SILL BAND PLAN
SCALE=1:100



SILL BAND SECTION
SCALE=1:10

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Palpa West

PROJECT TITLE:

4. Helgad-3, Kalma Health Post

CONSULTANT:

A. Not.
Architecture & Architects (P.) Ltd.
Office: Kathmandu, Nepal, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC-6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

SILL BAND PLAN & SECTION

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

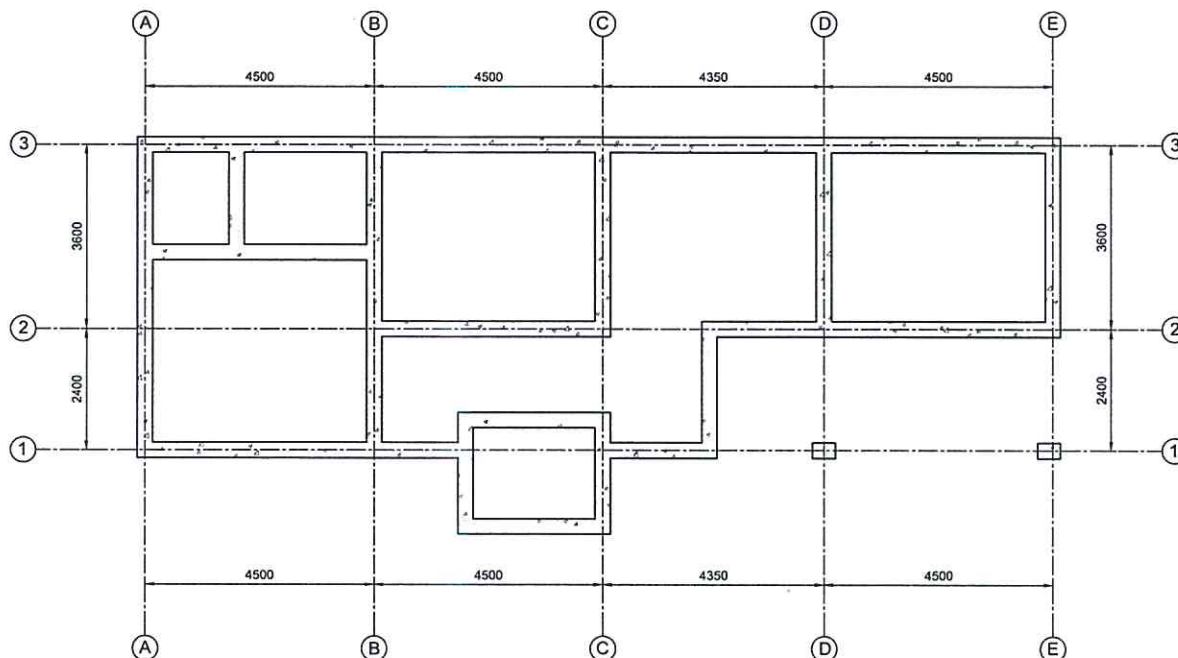
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

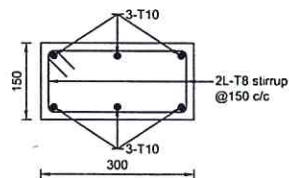
SHEET NO.

S-104

HELVETAS
NEPAL



LINTEL BAND PLAN
SCALE=1:100



**LINTEL, FLOOR & GABLE
BAND SECTION**
SCALE=1:10

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jalpaiguri and Rukam West

PROJECT TITLE:

4. Helged-3, Kalam Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
P.O. Box 12, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

LINTEL BAND PLAN & SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

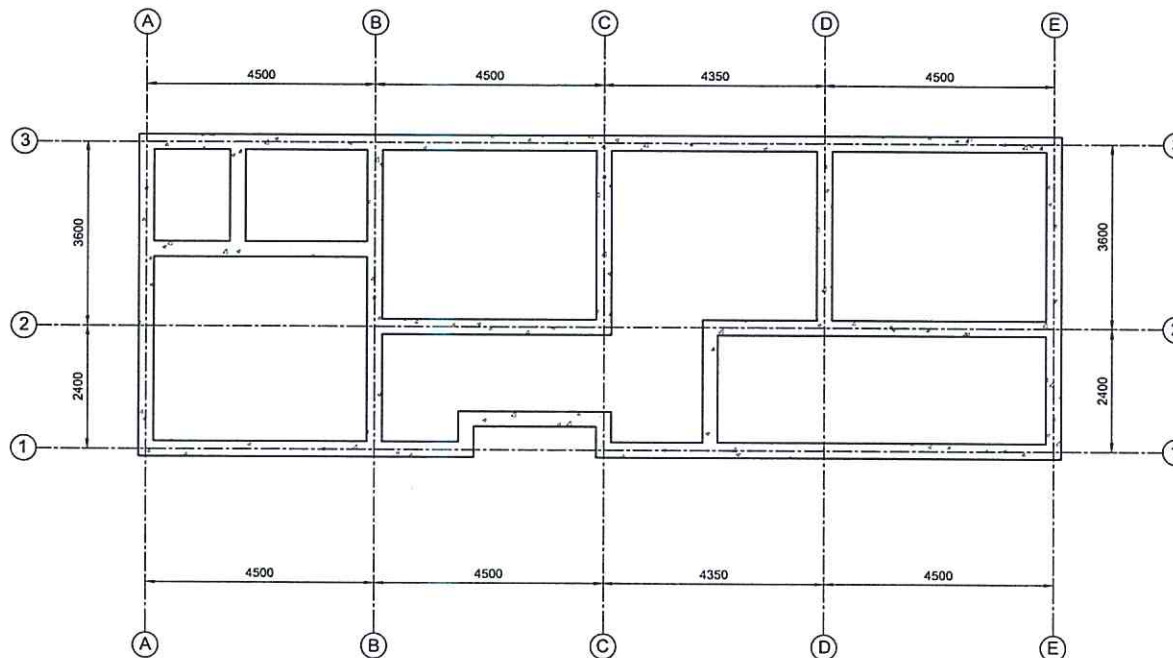
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

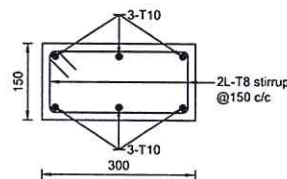
SHEET NO.

S-105

HELVETAS
NEPAL



FLOOR BAND PLAN
SCALE=1:100



**LINTEL, FLOOR & GABLE
BAND SECTION**
SCALE=1:10



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.

CLIENT:

**HELVETAS
NEPAL**

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Pokhara West

PROJECT TITLE:

4. Helged-3, Kakra Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
100-10, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

FLOOR BAND PLAN & SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

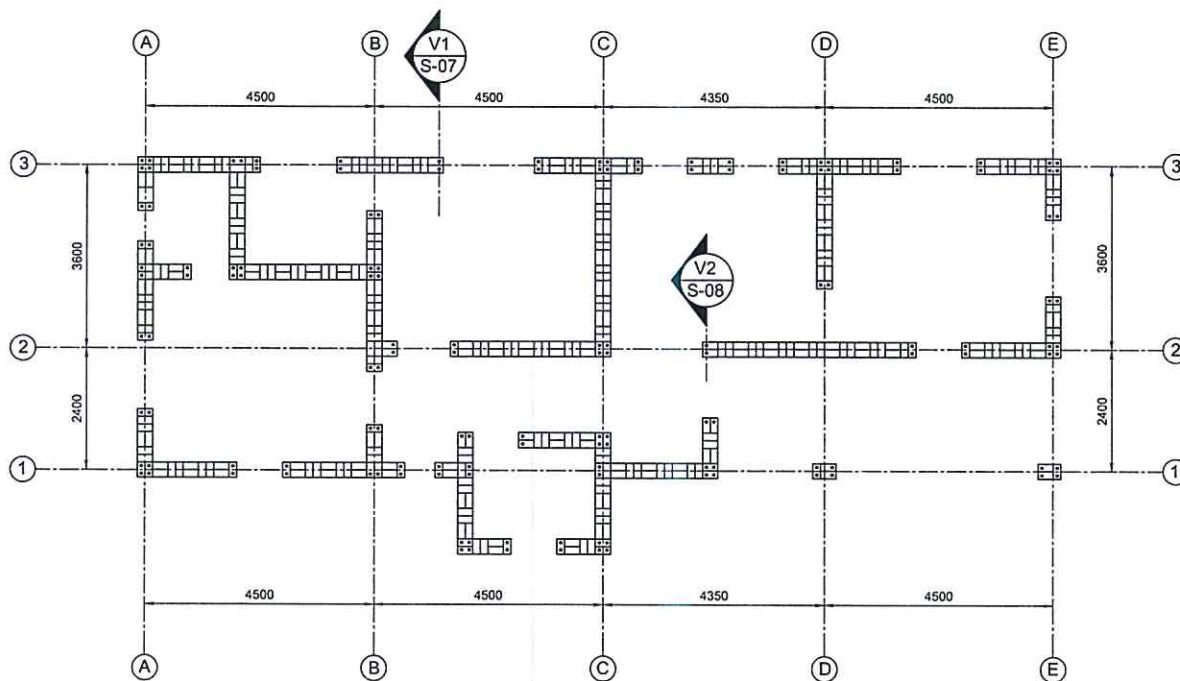
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DATE: 12 NOV. 2024

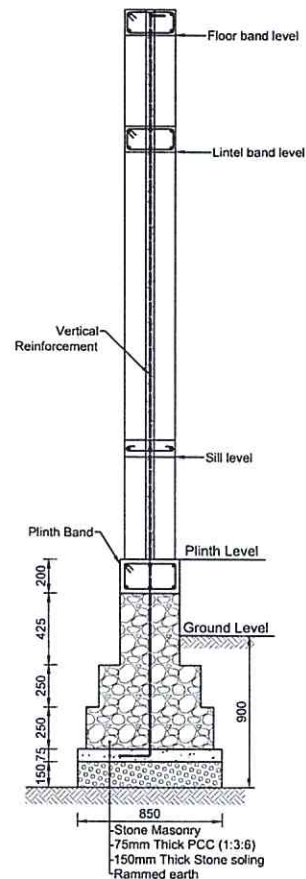
REVISION NO.: REVISION I

SHEET NO.

S-106



VERTICAL REINFORCEMENT PLAN
SCALE=1:100



**WALL SECTION DETAILS WITH
RC BAND "V1"**
SCALE=1:30

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Helged-3, Kalam Health Post

CONSULTANT:

A. Not
Architecture & Interiors (P.) Ltd.
DPO-12, Thimphu, Bhutan, India

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC-6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

**VERTICAL REINFORCEMENT
PLAN & WALL SECTION**

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

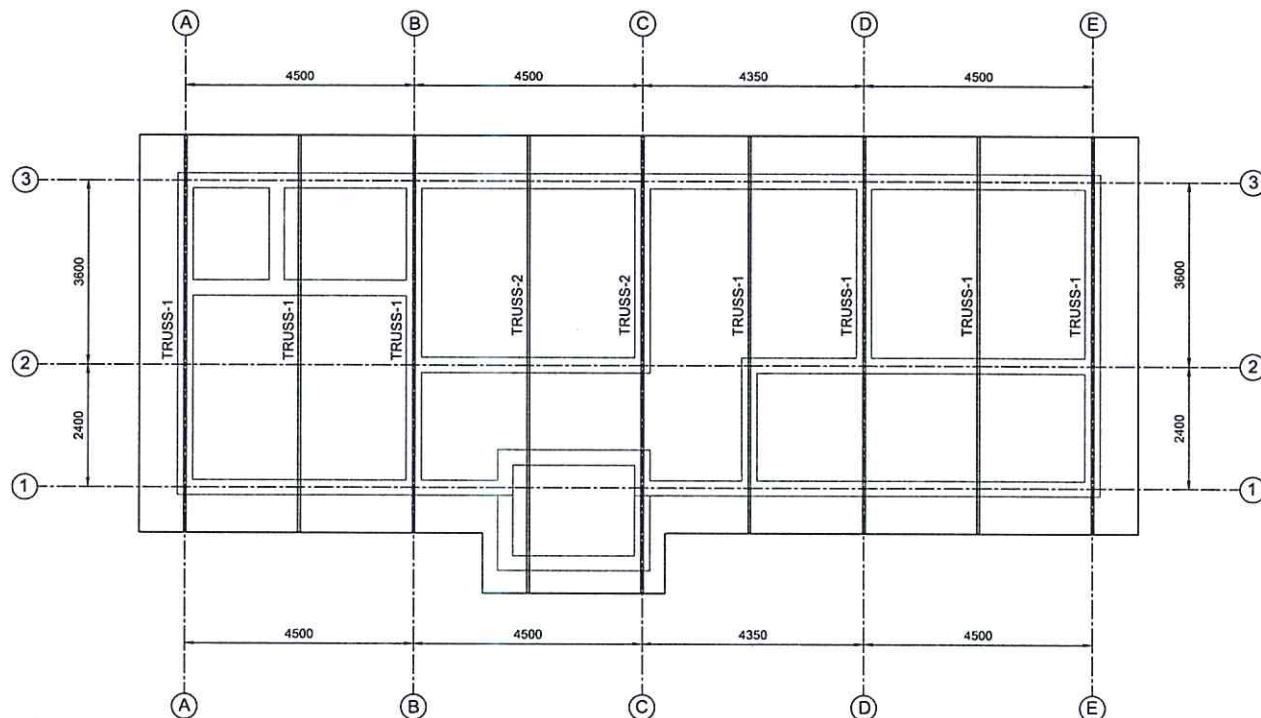
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

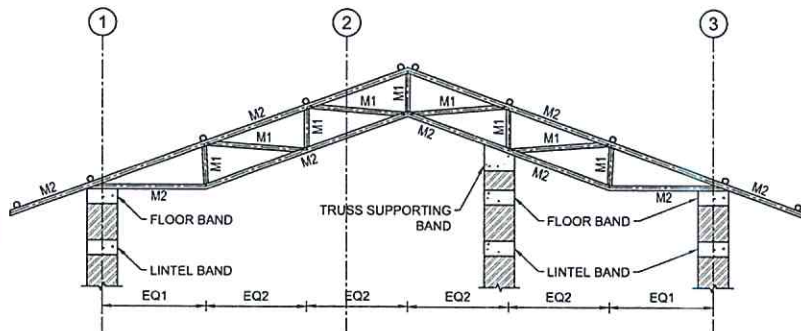
SHEET NO.

S-107

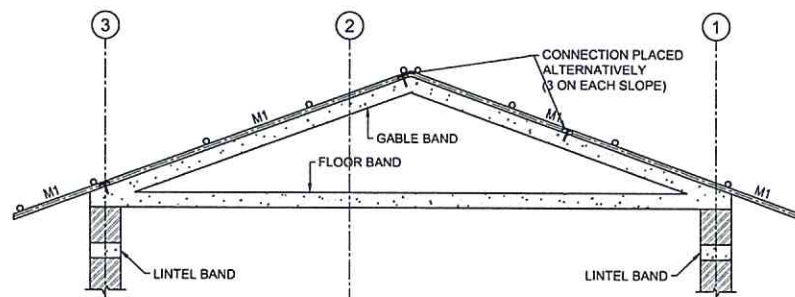


TRUSS LAYOUT PLAN
SCALE=1:100

LEGEND:
M1=ISNB 32M
M2=ISNB 40M
M3=ISNB 65M
PR1=ISNB 50M



TRUSS-1 SECTION DETAILS
SCALE=1:50



TRUSS-1 SECTION DETAILS AT GABLE BAND
SCALE=1:50

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Pabura West

PROJECT TITLE:

4. Helvetas, Kulu Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
GPO-10, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC-6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

**TRUSS LAYOUT PLAN &
SECTION**

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-108

HELVETAS
NEPAL

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Palpa District

PROJECT TITLE:

4. Helvetas-3, Kolan Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
LMD-12, Thamel, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

PURLIN PLAN & TRUSS SECTION

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

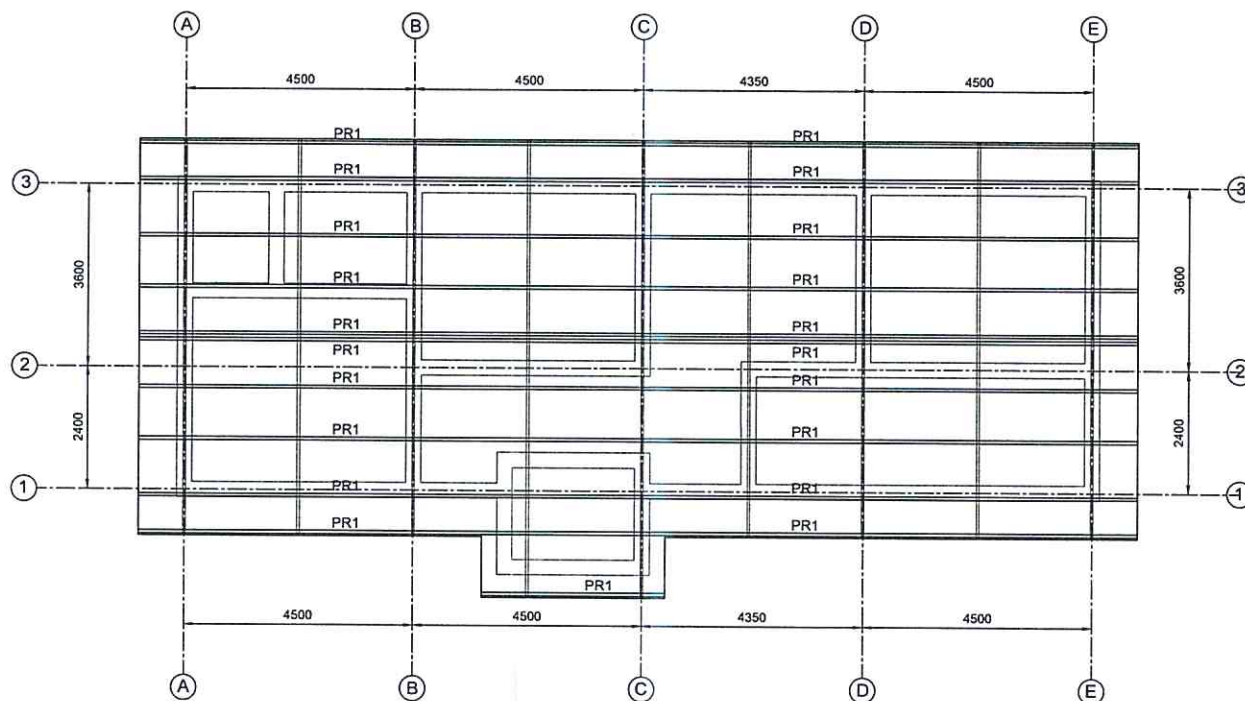
SCALE: AS SPECIFIED

DATE: 12 NOV, 2024

REVISION NO.: REVISION I

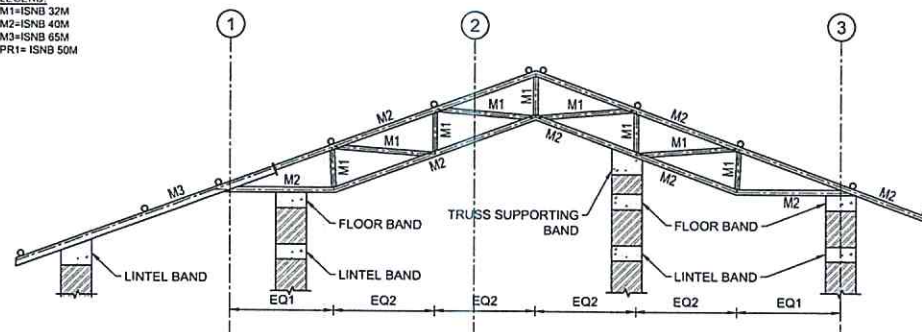
SHEET NO.

S-109

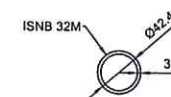


PURLIN PLAN
SCALE=1:100

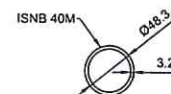
LEGEND:
M1=ISNB 32M
M2=ISNB 40M
M3=ISNB 65M
PR1= ISNB 50M



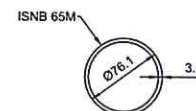
TRUSS-2 SECTION DETAILS
SCALE=1:50



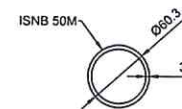
SECTION AT "M1"
SCALE=1:5



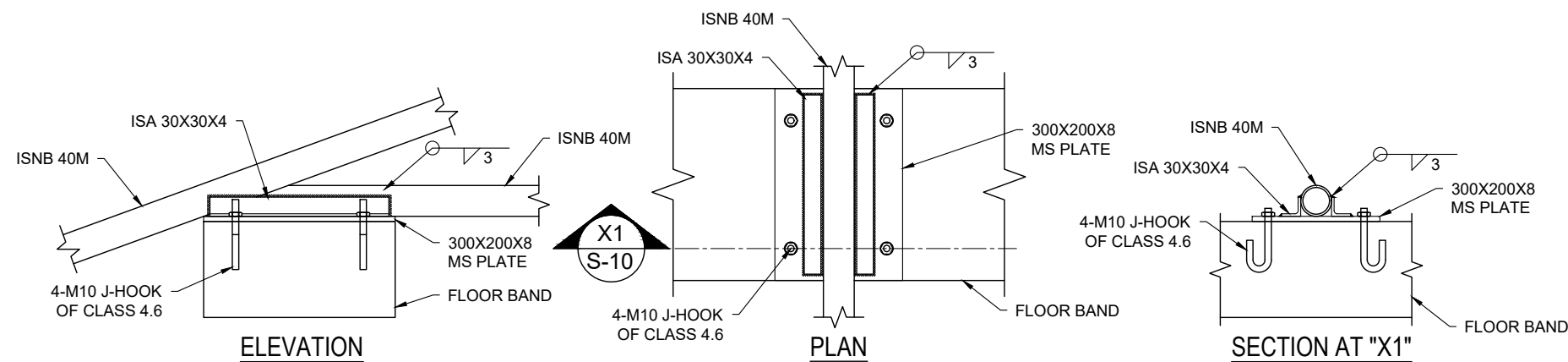
SECTION AT "M2"
SCALE=1:5



SECTION AT "M3"
SCALE=1:5

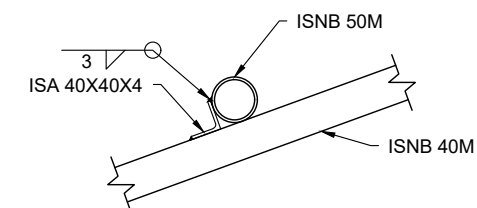


SECTION AT "PR1"
SCALE=1:5



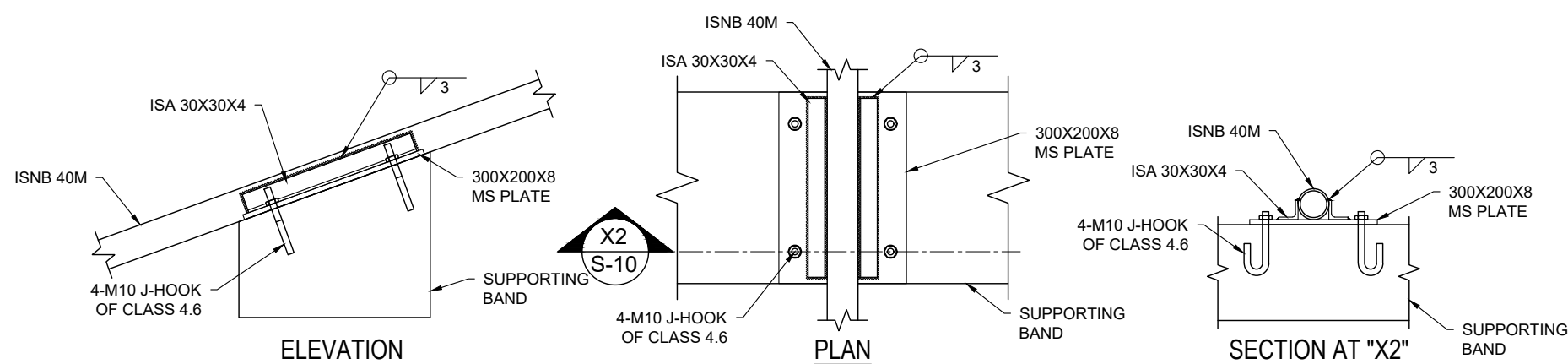
TRUSS & FLOOR BAND CONNECTION

SCALE= 1:10



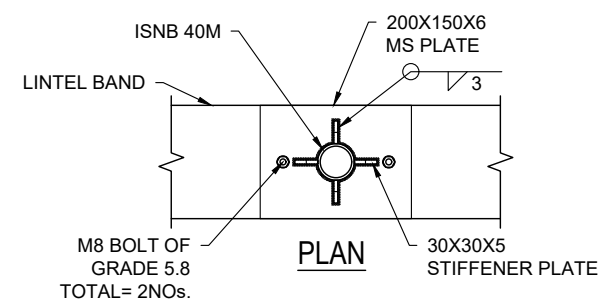
PURLIN CONNECTION

SCALE= 1:10



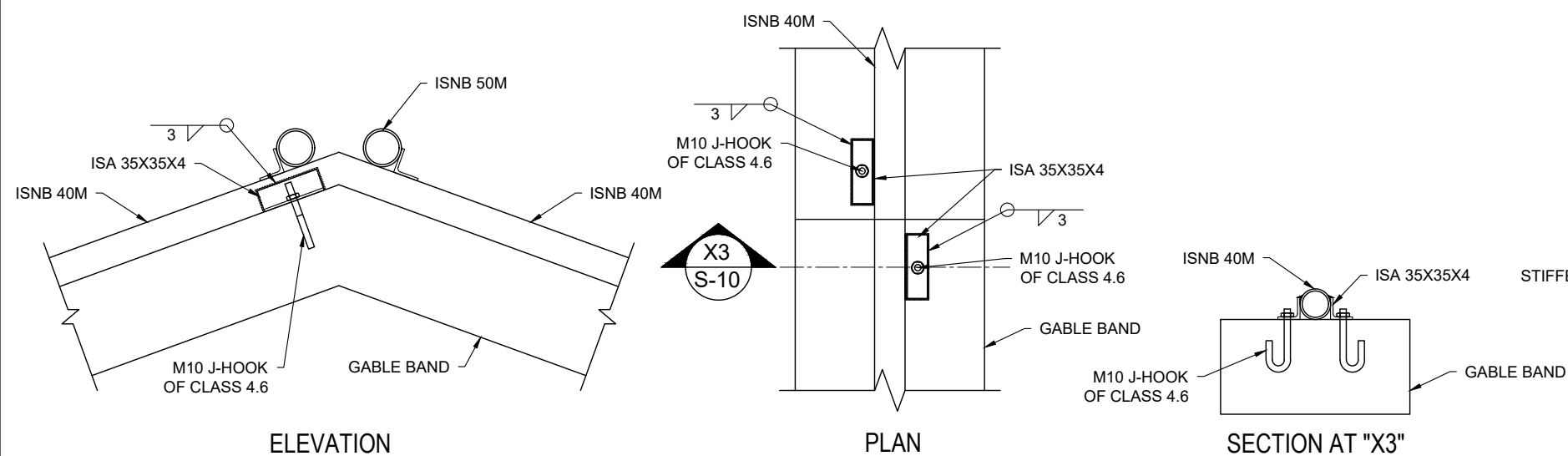
TRUSS & SUPPORTING BAND CONNECTION

SCALE= 1:10



TRUSS & LINTEL BAND CONNECTION

SCALE= 1:10



TRUSS & GABLE BAND CONNECTION

SCALE= 1:10

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Kainsa Health Post

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
LMC-15, Tinchikot, Beldabasa, Lalitpur

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL CONNECTION DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-110



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Kaina H.P.

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
LMC-15, Talchikhel, Suddobato, Lalitpur

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

SEPTIC TANK AND SOAK
PIT DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

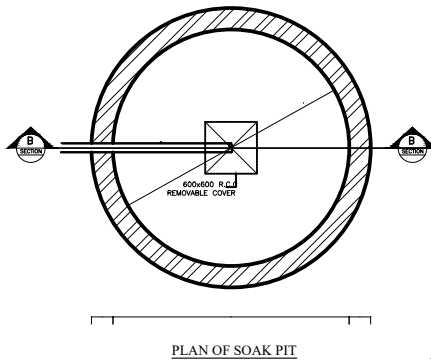
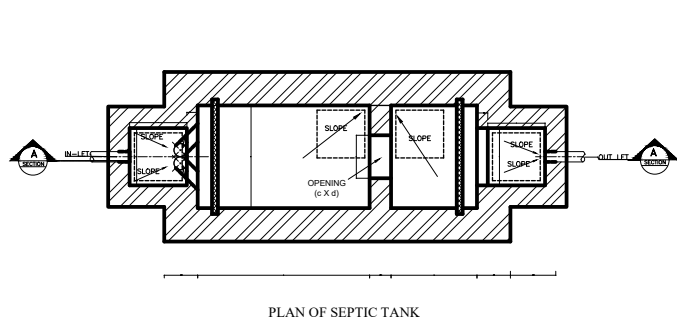
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

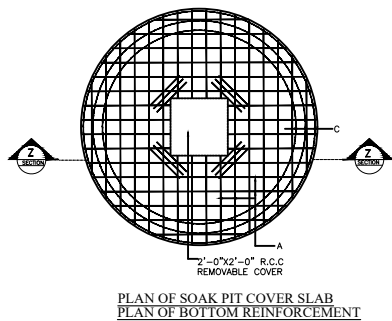
REVISION NO.: REVISION NO.

SHEET NO.

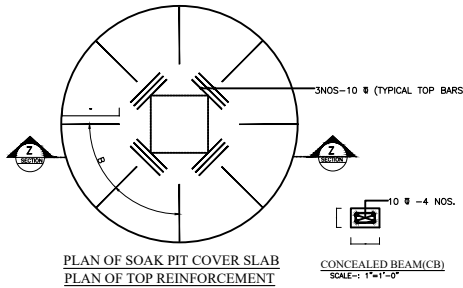
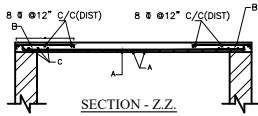
P-101



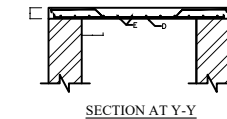
a: 2" or 50mm
b: 3" or 75mm
c: 6" or 150mm
d: 1'-6" or 450mm
e: 2'-0" or 600mm
f: 2'-6" or 750mm



PLAN OF SOAK PIT COVER SLAB
PLAN OF BOTTOM REINFORCEMENT



PLAN OF SOAK PIT COVER SLAB
PLAN OF TOP REINFORCEMENT



SCHEDULE OF REINFORCEMENT DETAIL(SEPTIC TANK)

SEPTIC TANK NO.	SLAB TH (ST)	REINFORCEMENT		
		D	E	F
1, 2, 3	4"	8 Φ 6°C/C	8 Φ 8°C/C	8 Φ 16°C/C
4, 5, 6	4 1/2"	8 Φ 6°C/C	8 Φ 8°C/C	8 Φ 16°C/C
7, 8,	4 1/2"	10 Φ 6°C/C	8 Φ 8°C/C	8 Φ 16°C/C
9	5"	10 Φ 5°C/C	8 Φ 6°C/C	8 Φ 12°C/C

SCHEDULE OF REINFORCEMENT DETAIL(SOAK PIT)

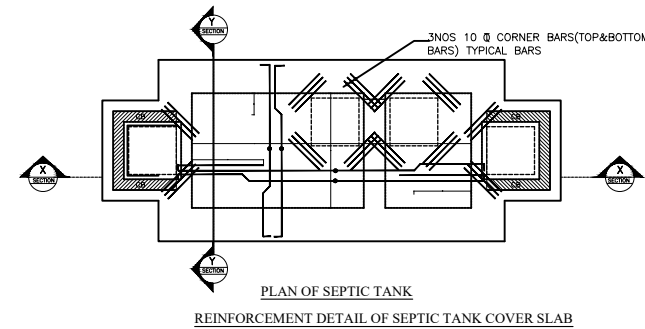
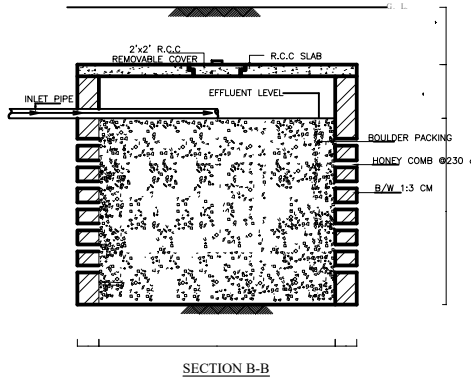
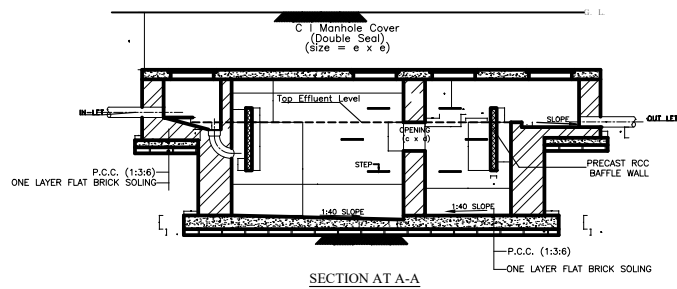
SOAK PIT NO.	SLAB TH (ST)	REINFORCEMENT		
		A	B	C
1, 2, 3	4 1/2"	8 Φ 6°C/C	8 Φ 12°C/C	3-8 Φ 4°C/C
4, 5, 6	5"	10 Φ 6°C/C	10 Φ 12°C/C	3-10 Φ 4°C/C
7, 8,	6"	10 Φ 6°C/C	10 Φ 12°C/C	3-10 Φ 4°C/C
9	6 1/2"	12 Φ 6°C/C	12 Φ 12°C/C	4-10 Φ 4°C/C

SCHEDULE OF SEPTIC TANK

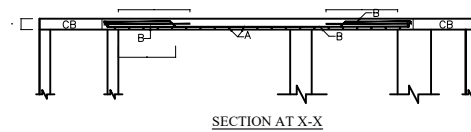
No of Users	Septic Tank No	L1	L2	W	EL	No. & Type of Soak Pit
Up to 5	S T - 1	4'-0" 1.20m	3'-0" 0.90m	3'-0" 0.90m	3'-0" 0.90m	1 X S P - 1
Up to 10	S T - 2	5'-0" 1.50m	3'-0" 0.90m	3'-3" 1.00m	3'-3" 1.00m	1 X S P - 2
Up to 15	S T - 3	6'-0" 1.80m	3'-0" 0.90m	4'-0" 1.20m	3'-3" 1.00m	1 X S P - 3
Up to 20	S T - 4	7'-0" 2.10m	3'-6" 1.05m	4'-6" 1.40m	3'-3" 1.00m	1 X S P - 4
Up to 30	S T - 5	8'-0" 2.40m	4'-0" 1.20m	4'-6" 1.40m	4'-0" 1.20m	1 X S P - 5
Up to 50	S T - 6	8'-9" 2.70m	4'-3" 1.30m	6'-0" 1.80m	5'-0" 1.50m	1 X S P - 6
Up to 100	S T - 7	13'-0" 4.00m	6'-6" 2.00m	6'-6" 2.00m	6'-0" 1.80m	2 X S P - 6
Up to 150	S T - 8	15'-0" 4.60m	7'-6" 2.30m	8'-3" 2.50m	6'-0" 1.80m	3 X S P - 6
Up to 200	S T - 9	19'-9" 6.00m	9'-9" 3.00m	9'-0" 2.75m	6'-0" 1.80m	4 X S P - 6
Up to 300	S T - 10	23'-0" 7.00m	11'-6" 3.50m	9'-9" 3.00m	6'-6" 2.00m	6 X S P - 6

SCHEDULE OF SOAK PIT

Soak Pit No.	Diameter D	Depth H	Wall Thickness T
S P - 1	5'-0" 1.50m	6'-6" 2.00m	9"
S P - 2	6'-6" 2.00m	6'-6" 2.00m	9"
S P - 3	8'-3" 2.50m	6'-6" 2.00m	9"
S P - 4	9'-9" 3.00m	6'-6" 2.00m	14"
S P - 5	13'-0" 4.00m	6'-6" 2.00m	14"
S P - 6	16'-6" 5.00m	9'-0" 2.75m	14"

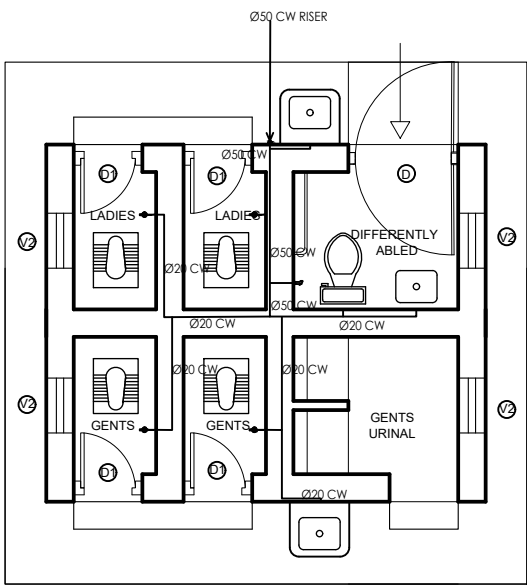


PLAN OF SEPTIC TANK
REINFORCEMENT DETAIL OF SEPTIC TANK COVER SLAB

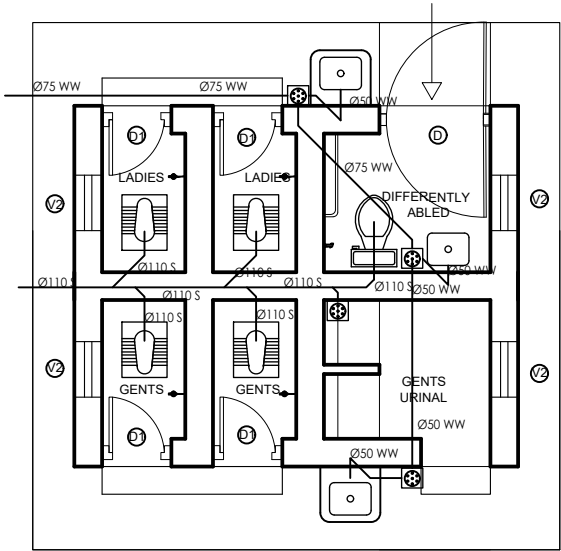


HELVETAS
NEPAL

2



TOILET



TOILET
SCALE: 1:100



2

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Kaina H.P.

CONSULTANT:
 **A. Not**
Architecture N Architects(P.) Ltd.
LMC-15, Talchikhel, Suddobato, Laligur

PRINCIPAL ARCHITECT:
Damodar Acharya

SANITARY ENGINEER:
PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

WATER SUPPLY AND
SANITARY LAYOUT PLAN

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

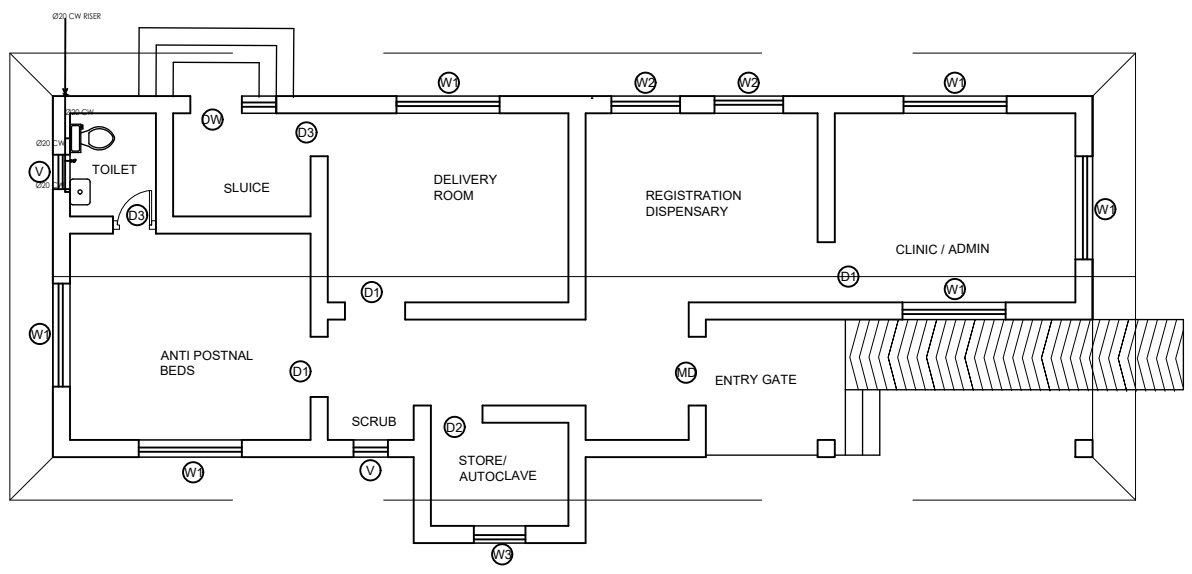
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

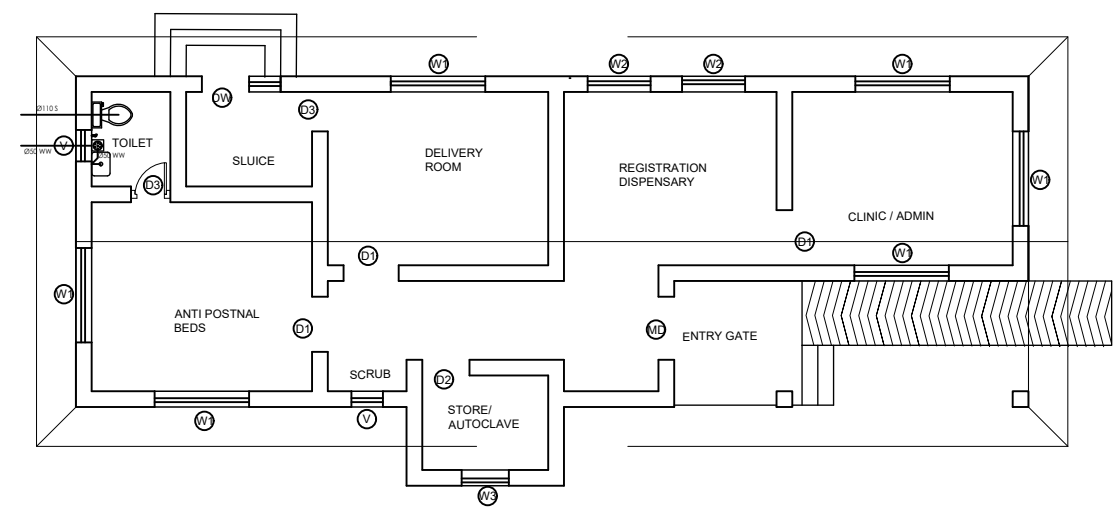
REVISION NO.: REVISION_NO.

SHEET NO.

P-102



GROUND FLOOR PLANS
AREA: 119 SQ. M



GROUND FLOOR PLANS
AREA: 119 SQ. M

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Kaina H.P.

CONSULTANT:
 **A. Not**
Architecture N Architects(P.) Ltd.
LMC-15, Talchikhel, Suddobato, Lalitpur

PRINCIPAL ARCHITECT:
Damodar Acharya

SANITARY ENGINEER:
PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

WATER SUPPLY AND
SANITARY G.F

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

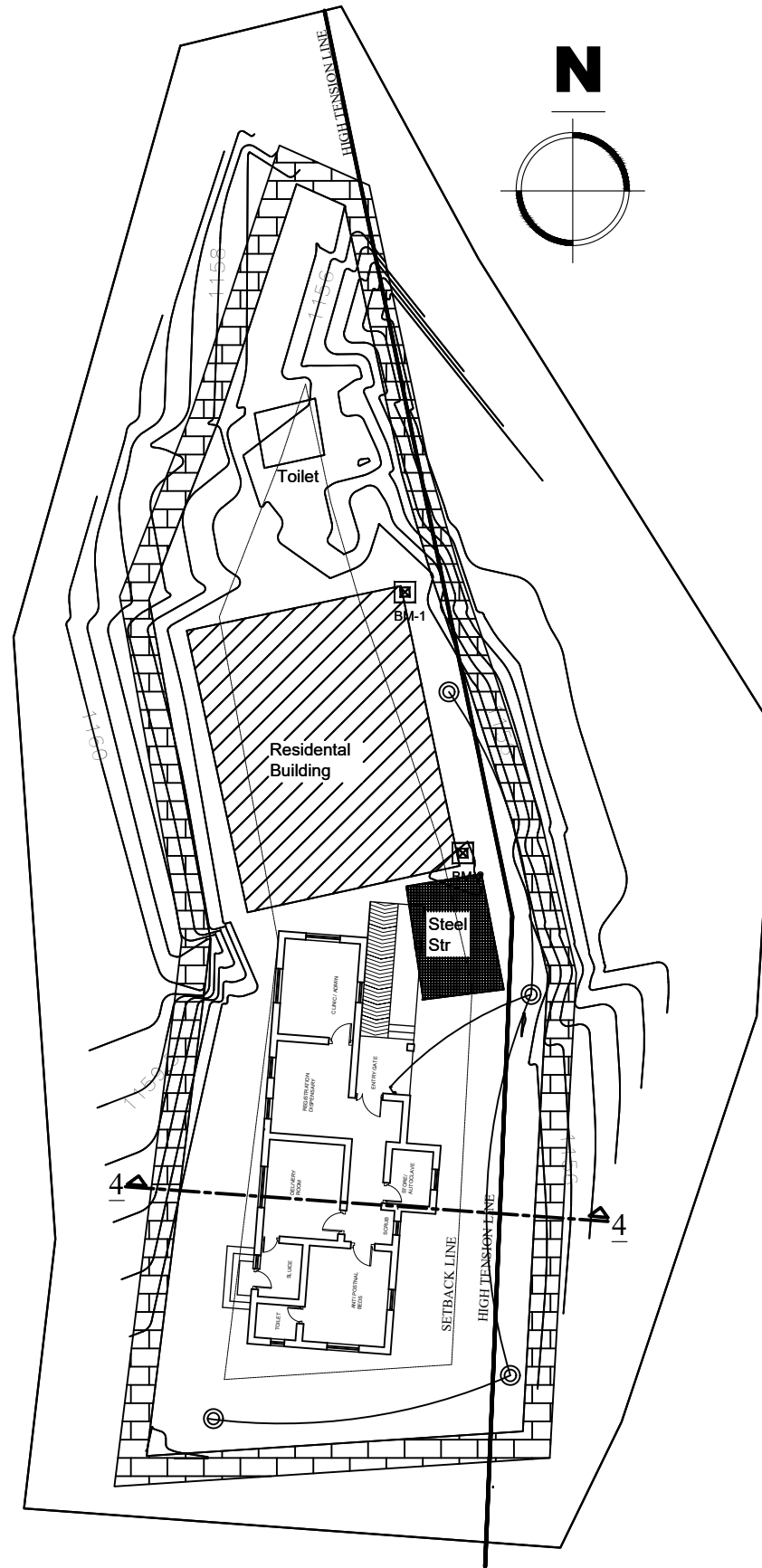
DATE: 12 NOV. 2024

REVISION NO.: REVISION_NO.

SHEET NO.

P-103





Proposed Kaina Health Post (Scale - 1:200)
Health Post with Birthing Center
Existing Site Area = 677.3341 sq.m.
Total Floor Area of Proposed Health Post = 195.98 sq.m.
Number of storey = 1

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:
HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Nalgad-3, Kaina Healthpost

CONSULTANT:
A. Not
Architecture N Architects(P.) Ltd.
LMC-15, Talchhikel, Satsobato, Lalitpur

PRINCIPAL ARCHITECT:
DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:
ELECTRICAL MASTERPLAN

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
III		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE: 1:300

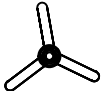
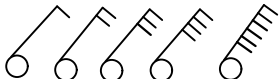
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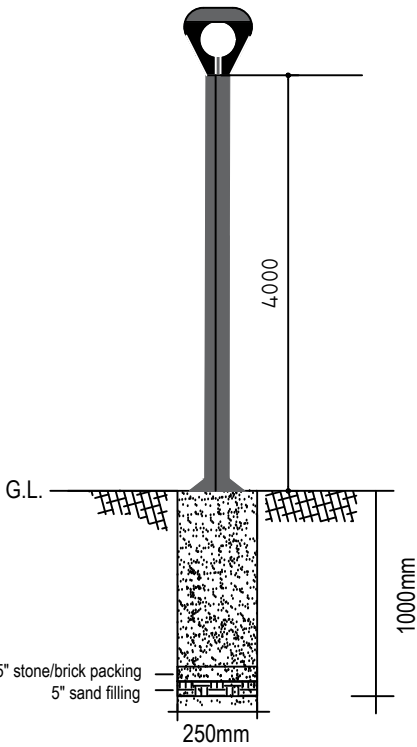
REVISION NO.: REVISION I

SHEET NO.
E-101

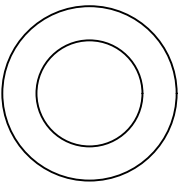


ELECTRICAL LEGENDS

S.N.	SYMBOL	DESCRIPTION OF THE SYMBOLS
1		1x40 WATT TUBE LIGHT FIXTURE
2		DOWN LIGHTER WITH 12 WATT LED LAMP
3		CEILING FAN
4		1,2,3,4,6 GANG SINGLE POLE SWITCH
5		MAIN PANEL / DISTRIBUTION BOARD
6		SUB DISTRIBUTION BOARD
7		15 AMP 3PIN POWER OUTLET
10		GARDEN LIGHT



Garden Light



Garden Light



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings and Health Posts Building in Jajarkot and Rukum West

PROJECT TITLE:
4. Nalgad-3, Kaina Healthpost

CONSULTANT:
 **A. Not**
Architecture N Architects(P.) Ltd.
LMC-15, Talchhikel, Satsobato, Lalitpur

PRINCIPAL ARCHITECT:
DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:
LEGEND AND DETAILS

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

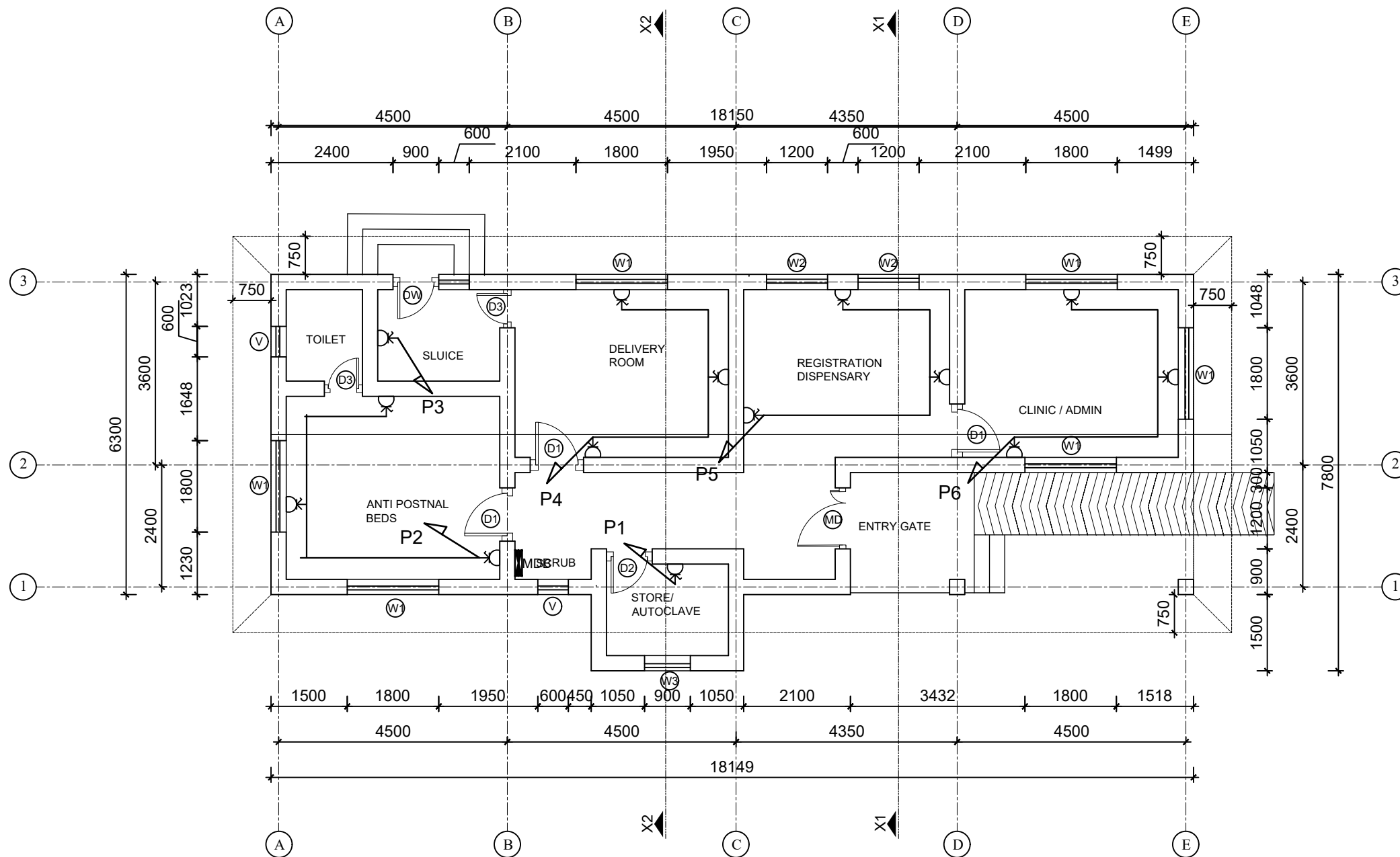
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DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-102



GROUND FLOOR PLANS
AREA: 119 SQ. M
SCALE: 1:100



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:
HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Nalgad-3, Kaina Healthpost

CONSULTANT:
A. Not
Architecture N Architects(P.) Ltd.
LMC-15, Talchikhel, Satsobato, Lalitpur

PRINCIPAL ARCHITECT:
DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:
**GROUND FLOOR PLAN
POWER SUPPLY PLAN**

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

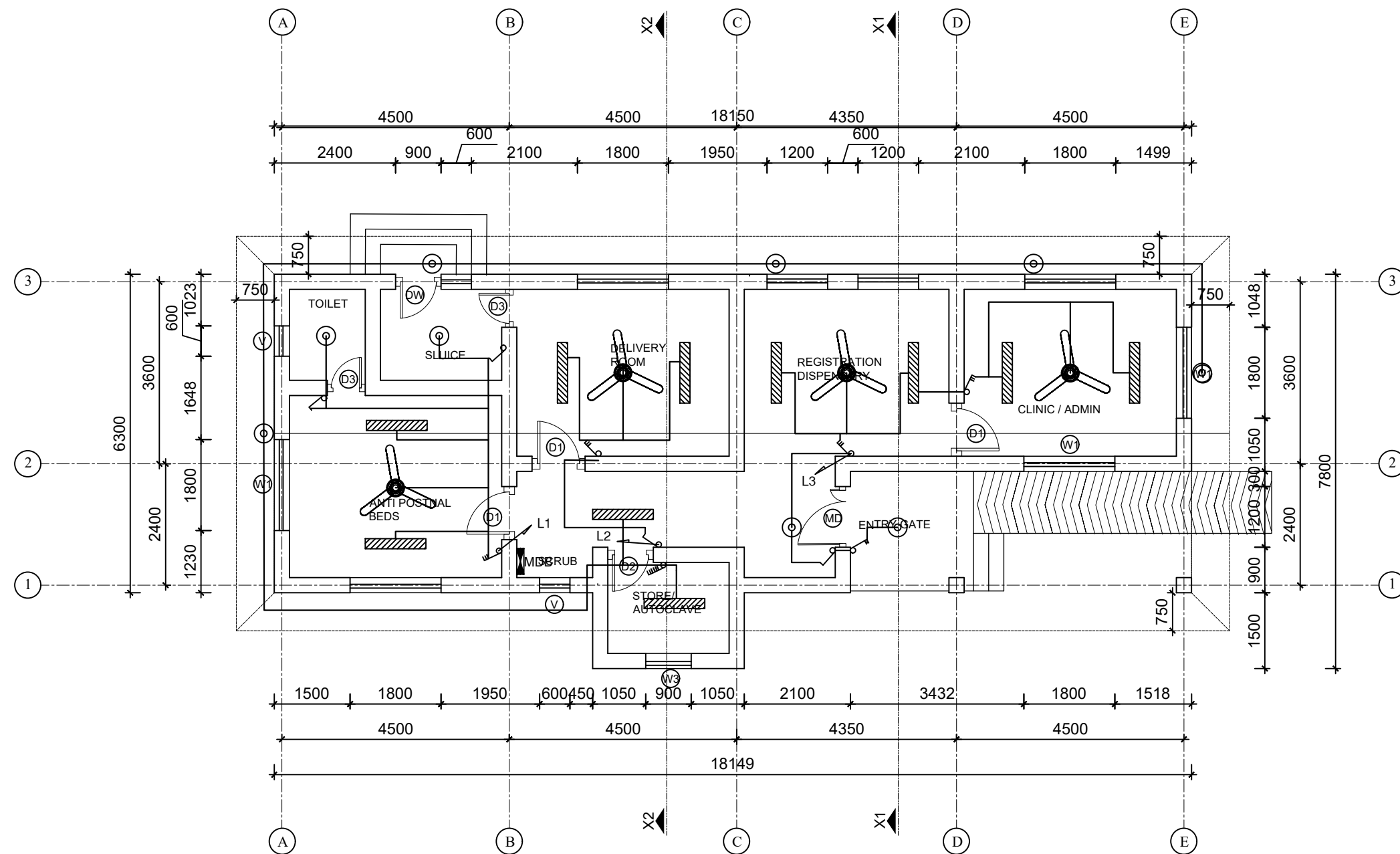
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-103



GROUND FLOOR PLANS
AREA: 119 SQ. M
SCALE: 1:100

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

4. Nalgad-3, Kaina Healthpost

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
LMC-15, Talchikhel, Satsobato, Lalitpur

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

GROUND FLOOR PLAN
LIGHT PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

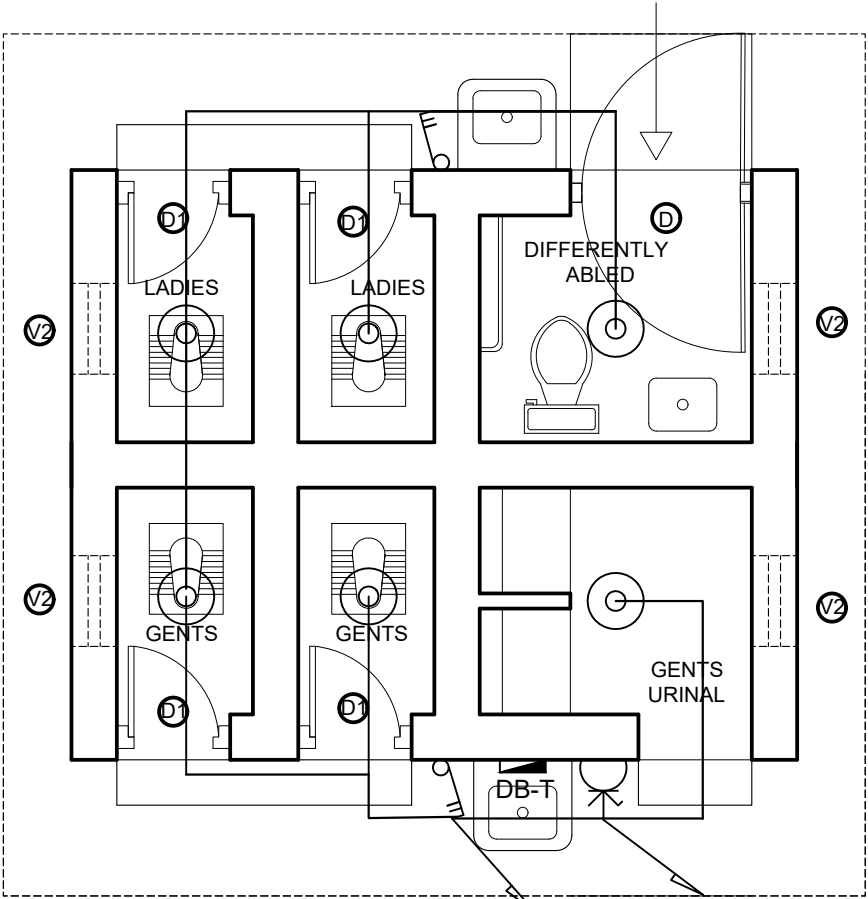
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-104





TOILET TL1 TP1

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Nalgad-3, Kaina Healthpost

CONSULTANT:
 **A. Not**
Architecture N Architects(P.) Ltd.
LMC-15, Talchhikel, Satsobato, Lalitpur

PRINCIPAL ARCHITECT:
DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

TOILET PLAN
POWER SUPPLY AND LIGHT PLAN

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
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VII		
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CONTRACT NO.:

SCALE: 1:50

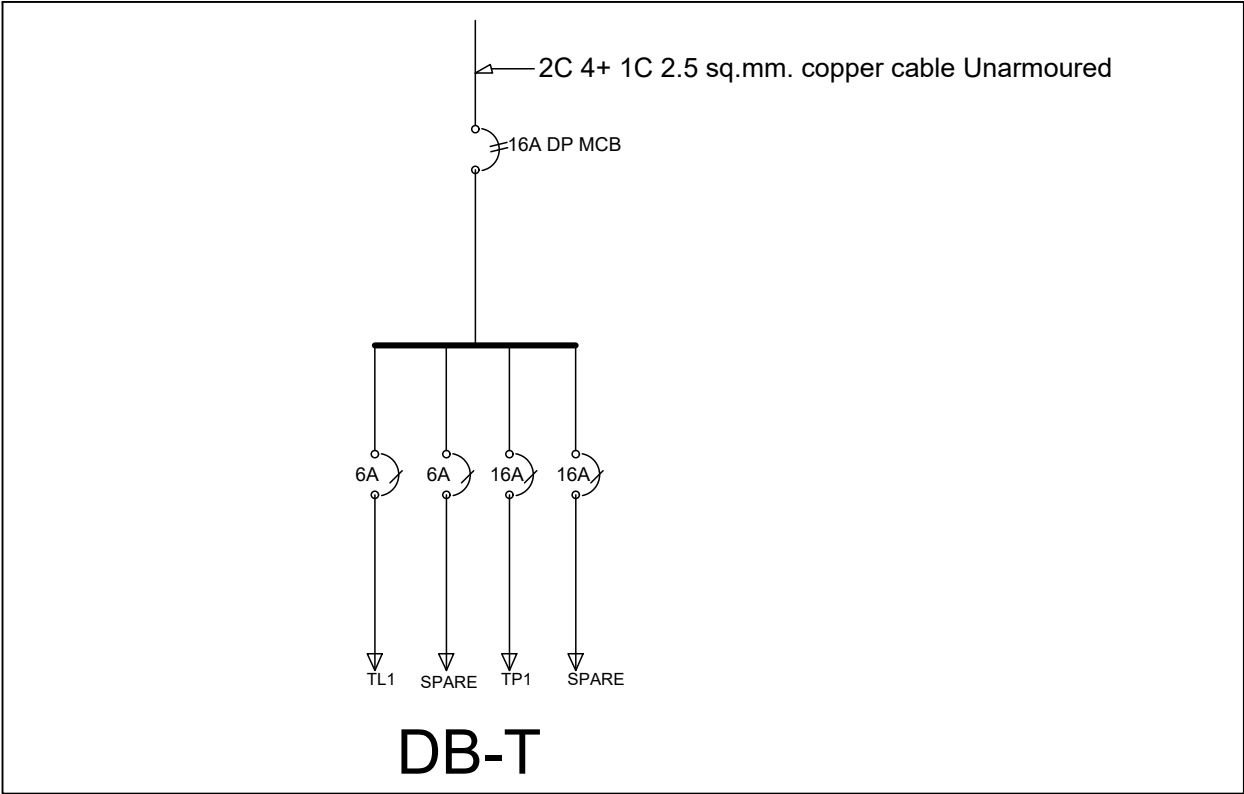
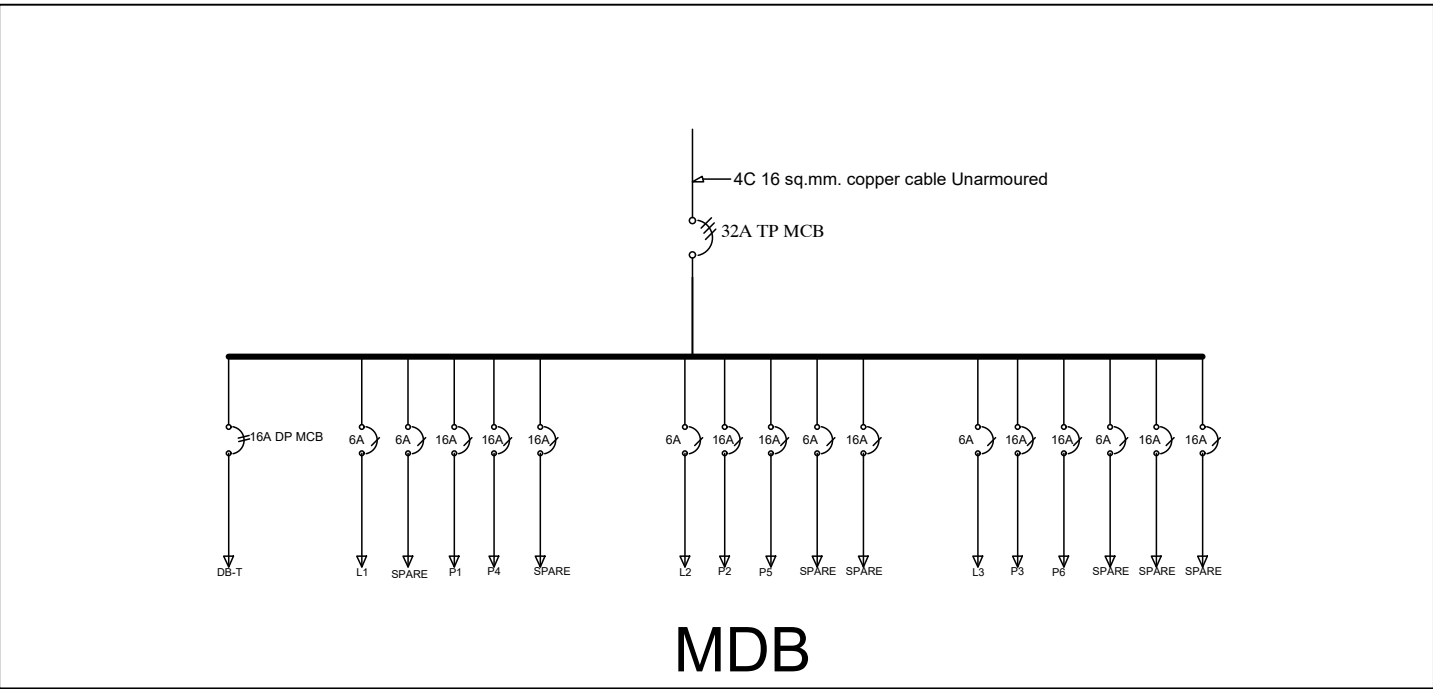
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-105





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
4. Nalgad-3, Kaina Healthpost

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
LMC-15, Talchhikhel, Satsdobato, Lalitpur

PRINCIPAL ARCHITECT:
DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

SINGLE LINE DIAGRAM
MDB
DB-T

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
III		
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VIII		

CONTRACT NO.:

SCALE:

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-106

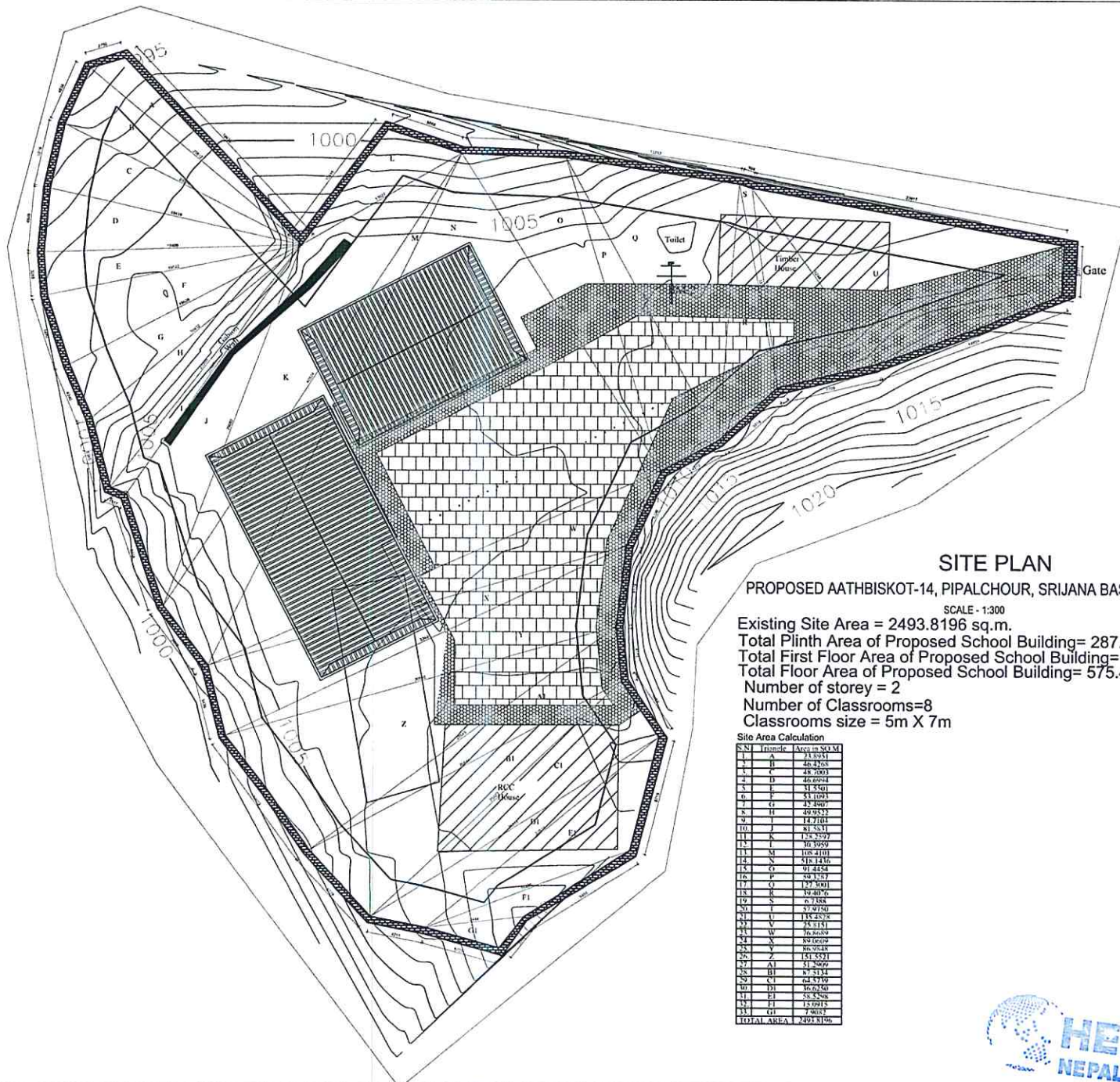


Drawings:

Srijana Basic Schol,

Athabiskot-14, Papalchour, Rukum West.





NOTE:
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 DRAWINGS SHALL NOT BE MEASURED.
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 TO THE SITE ENGINEER



CLIENT:

HELVETAS
 NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot-14, Pipalchour, Srijana Basic School

CONSULTANT:

A. Not
 Architecture N Architects (P.) Ltd.
 ENG'G, ARCHITECTURE, LANDSCAPE, INTERIOR

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
 Bidita Shakya
 Raj Krishna Tamakhu
 Prajina Maharjan
 Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

SITE PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

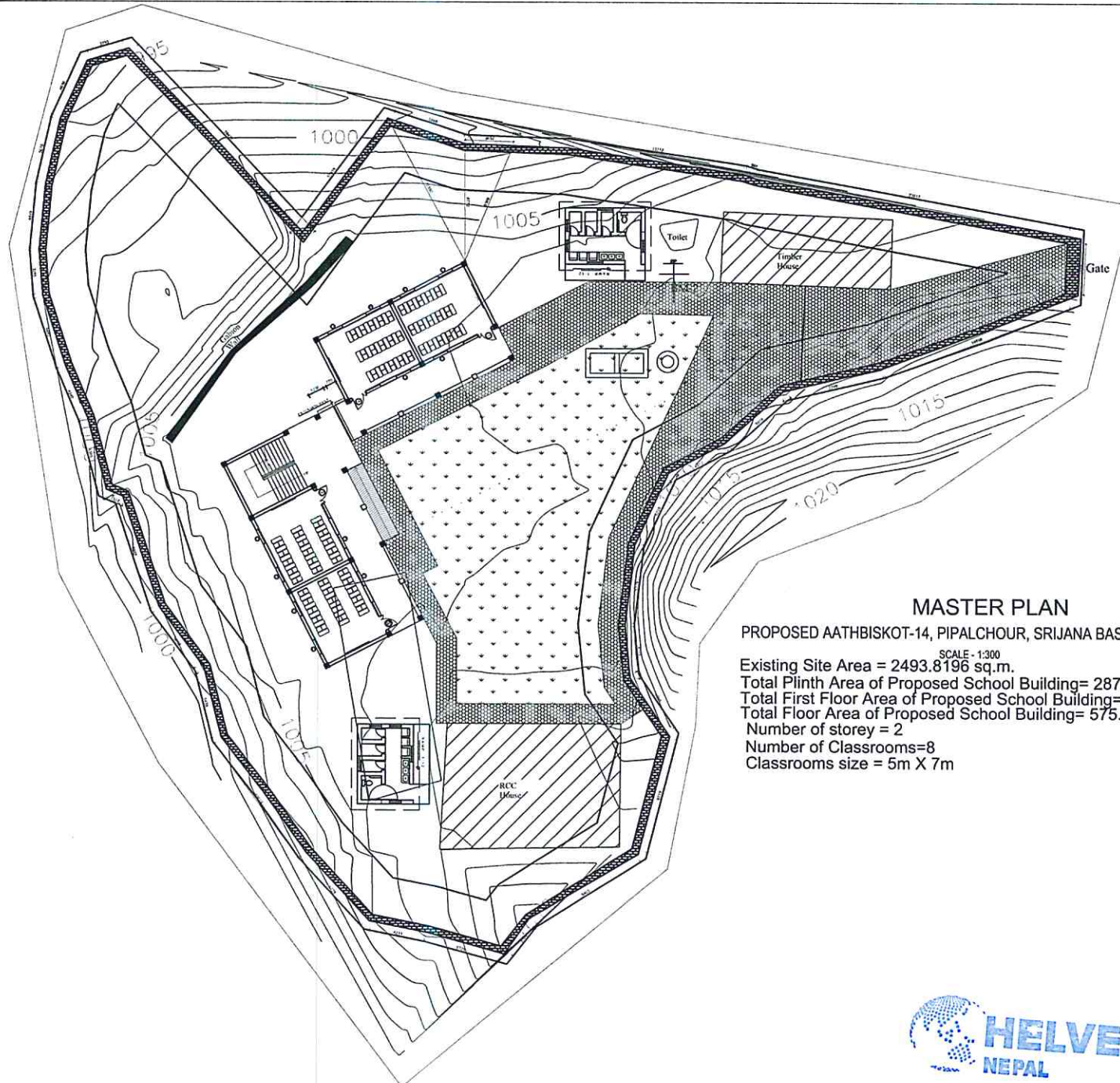
DATE: 12 NOV, 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-101





NOTE:
 1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 DRAWINGS SHALL NOT BE MEASURED.
 2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
 TO THE SITE ENGINEER



CLIENT:

HELVETAS
 NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Jayarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot-14, Pipalchour, Srijana Basic School

CONSULTANT:

A. Not
 Architecture N Architects (P.) Ltd.
 10C-15, Tathmatal, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
 Bidita Shakya
 Raj Krishna Tamakhu
 Prajina Maharjan
 Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

MASTER PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-102



FINISHING DETAILS

SN	NAME OF SPACE AND BUILDING ELEMENT	NOS.	INSIDE FINISHES			OUTSIDE FINISHES			OTHER FINISHES
			WALL	FLOOR	CEILING	WALL	FLOOR	CEILING	
GROUND FLOOR									
1	CLASS ROOM	4	12 MM THK. 1.5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1.3.6, SCREEDING CEMENT PUNNING	12 MM THK. 1.5 CS PLASTER 2 COAT EP WITH PRIMER	EXPOSED CSEB SURFACE		12 MM THK. 1.5 CS PLASTER 2 COAT WC WITH PRIMER	
2	PASSAGE	1	-	-	-	EXPOSED CSEB SURFACE 12 M THK CEMENT PLASTER UP TO SILL LEVEL WHERE IT IS EXPOSED TO RAIN	50 MM THK. 1.3.6, SCREEDING CEMENT PUNNING	12 MM THK. 1.5 CS PLASTER 2 COAT WC WITH PRIMER	-
3	RAMP		-	-	-	-	50 MM THK. 1.3.6, SCREEDING NON SLIPPERY SURFACE SIDEWAYS CS PLASTER	-	STAINLESS STEEL HAND RAIL AND BALUSTER
4	STAIRCASE		-	50 MM THK. 1.3.6, SCREEDING CEMENT PUNNING	-	-	-	-	-
5	HAND RAIL		-	-	-	-	-	-	STAINLESS STEEL
6	BALUSTER		-	-	-	-	-	-	STAINLESS STEEL
7	SILL AND LINTEL BANDS		-	-	-	-	-	-	12 MM THK. CS PLASTER 2 COAT WC WITH PRIMER
FIRST FLOOR									
8	CLASS ROOM	4	12 MM THK. 1.5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1.3.6, SCREEDING CEMENT PUNNING	12 MM THK. 1.5 CS PLASTER 2 COAT EP WITH PRIMER	EXPOSED CSEB SURFACE		12 MM THK. 1.5 CS PLASTER 2 COAT WC WITH PRIMER	
9	PASSAGE	1	-	-	-	EXPOSED CSEB SURFACE 12 M THK CEMENT PLASTER UP TO SILL LEVEL WHERE IT IS EXPOSED TO RAIN	50 MM THK. 1.3.6, SCREEDING CEMENT PUNNING	12 MM THK. 1.5 CS PLASTER 2 COAT WC WITH PRIMER	-
10	STAIRCASE		-	50 MM THK. 1.3.6, SCREEDING CEMENT PUNNING	-	-	-	-	-
11	HAND RAIL		-	-	-	-	-	-	STAINLESS STEEL
12	BALUSTER		-	-	-	-	-	-	STAINLESS STEEL
13	ROOF		-	-	-	-	-	-	12 MM WATER PROOF PLY FROM INSIDE ONE LAYER WATER PROOF LAYER ON IT 6.5 MM THK. COLOUR CGI ROOFING
14	GABBLE WALL		12 MM THK. 1.5 CS PLASTER 2 COAT EP WITH PRIMER	-	-	EXPOSED CSEB SURFACE	-	-	-
15	STRUTS		-	-	-	-	-	-	75X75 SAL WOOD 2 COAT CHAPRA WITH PRIMER
16	SILL AND LINTEL BANDS		-	-	-	-	-	-	12 MM THK. CS PLASTER 2 COAT WC WITH PRIMER
17	PAINTED WALL		-	-	-	-	-	-	MS SQUARE PIPES 2 COAT ENAMEL WITH PRIMER

CS: CEMENT SAND EP: EMULSION PAINT WC: WEATHER COAT MS: MILD STEEL

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

5, Aathrikat-14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
100-10, Panchkhal, Kathmandu, Nepal

PRINCIPAL ARCHITECT

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajana Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

FINISHING DETAIL TABLE
AND BUILDING SECTION WITH SITE SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

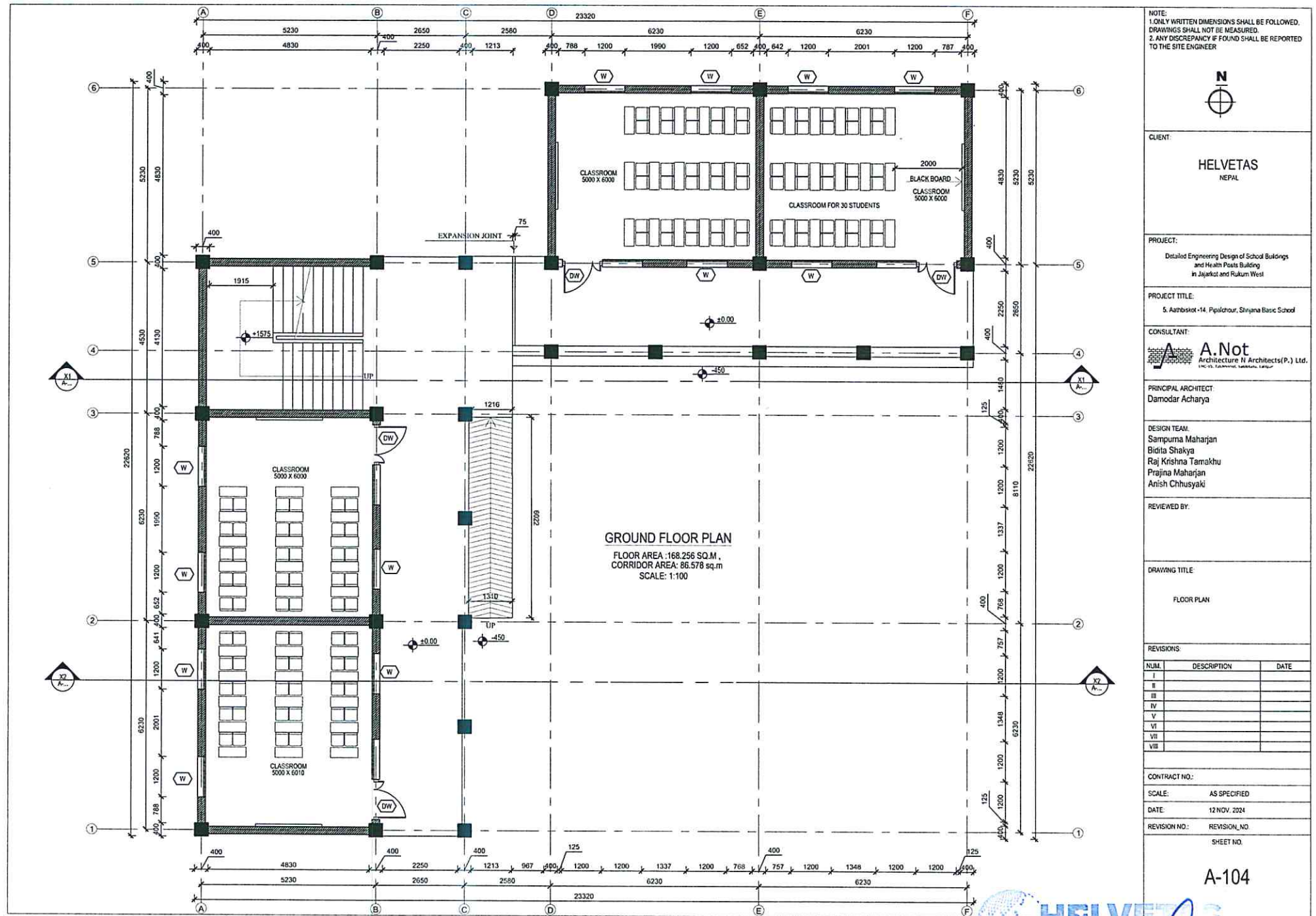
SHEET NO.

A-103



SECTION AT 5-5

Scale: 1/300
Cut volume: +10.63 Sq.m X 27 m= 288 cu.m



NOTE:
 1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER



CLIENT:

HELVETAS
 NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot-14, Piplachour, Sirijana Basic School

CONSULTANT:

A. Not
 Architecture N Architects (P.) Ltd.
 (PVT.) LTD. (REGD. COMPANY, NEPAL)

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
 Bidita Shakya
 Raj Krishna Tamakhu
 Prajina Maharjan
 Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

FLOOR PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

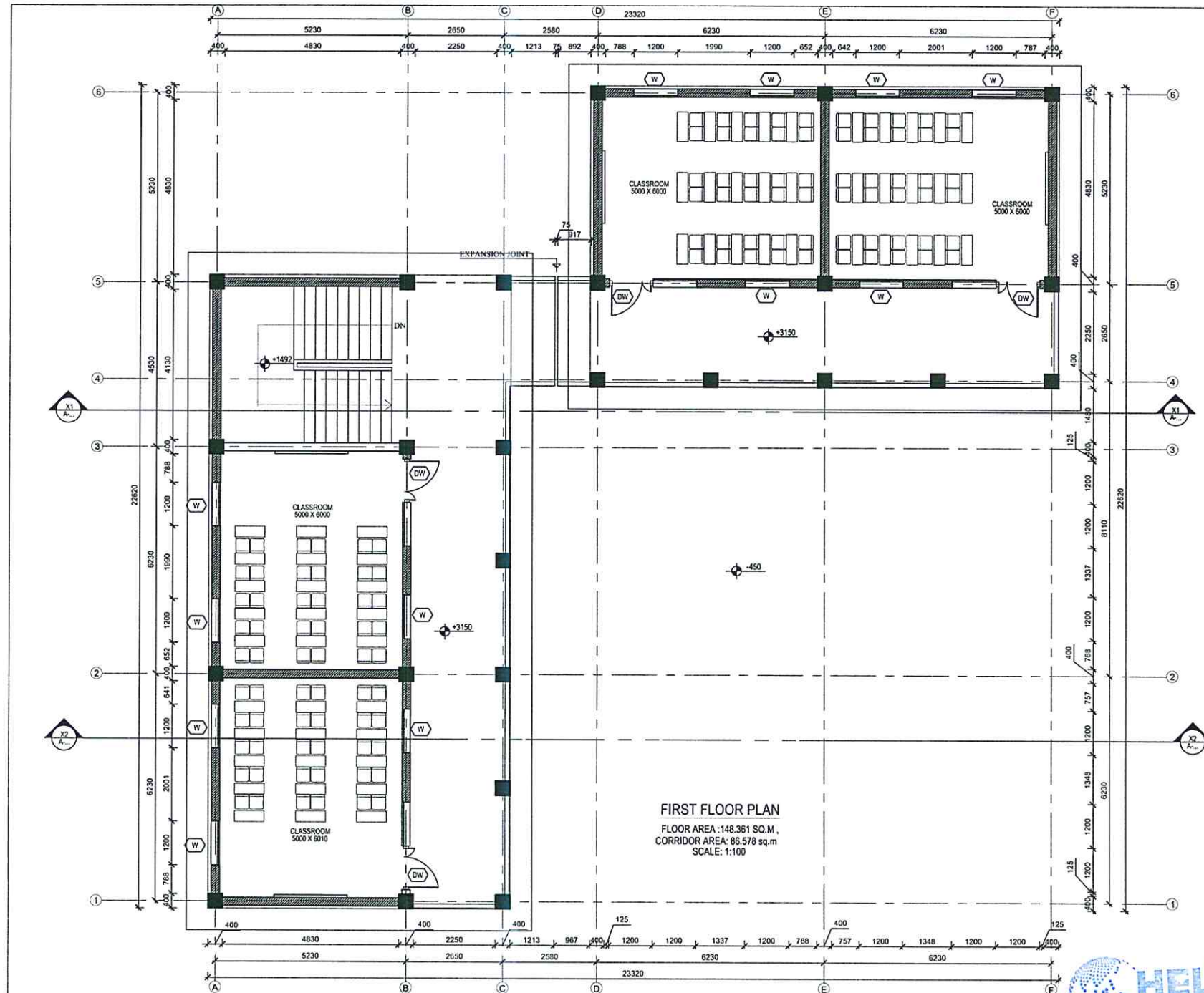
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-104





NOTE:
 1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 DRAWINGS SHALL NOT BE MEASURED.
 2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
 TO THE SITE ENGINEER



CLIENT:

HELVETAS
 NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathrikot-14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
 Architecture N Architects (P.) Ltd.
REGD. OFFICE: KATHMANDU, NEPAL

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
 Bidita Shakya
 Raj Krishna Tamakhu
 Prajina Maharjan
 Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

FLOOR PLAN

REVISIONS

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

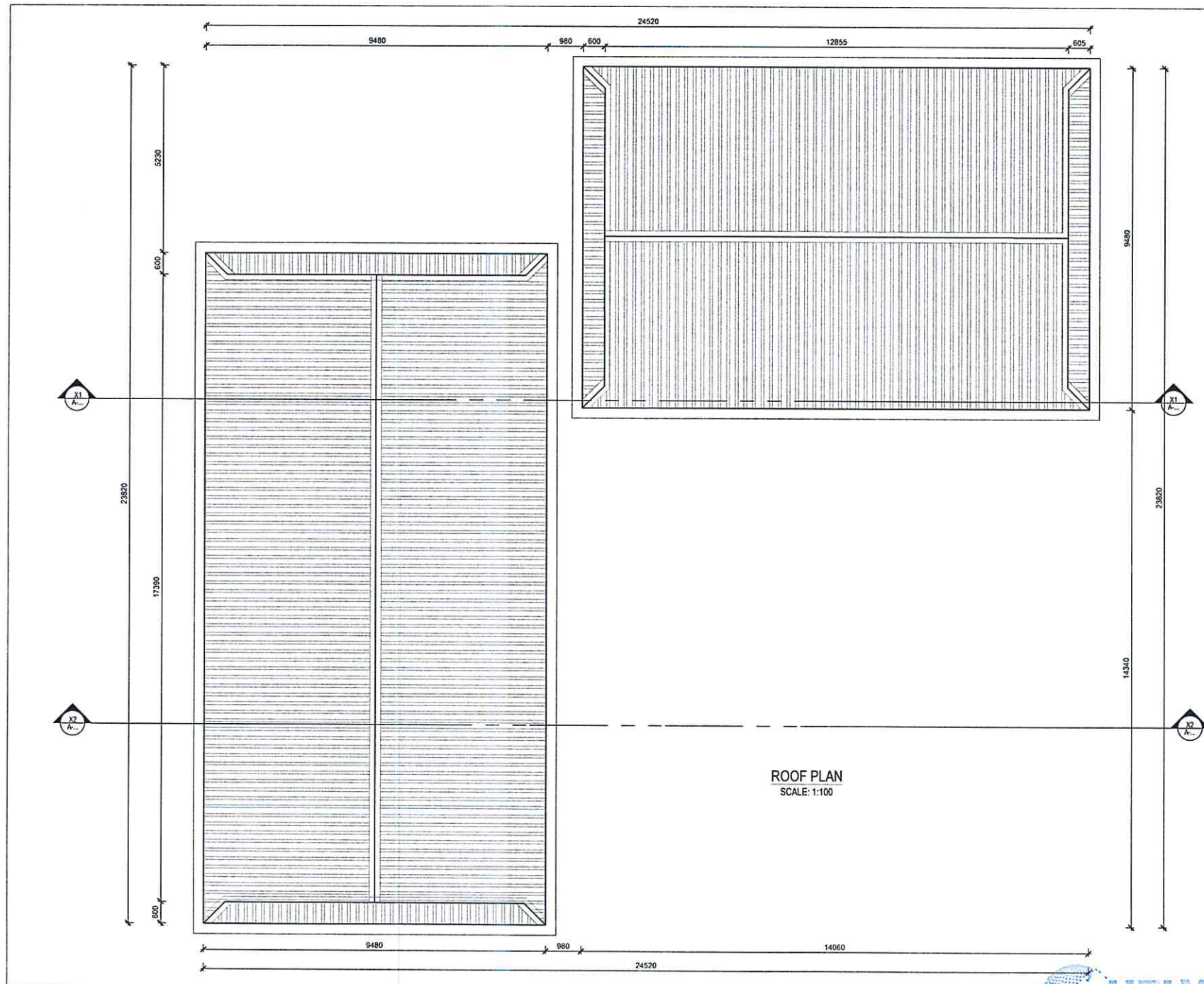
DATE: 12 NOV. 2024

REVISION NO.: REVISION_NO.

SHEET NO.

A-105





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jaypuri and Rukum West

PROJECT TITLE:

5. Aathbaskot-14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
P.O. Box 13, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

FLOOR PLAN

REVISIONS

NUM.	DESCRIPTION	DATE
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CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

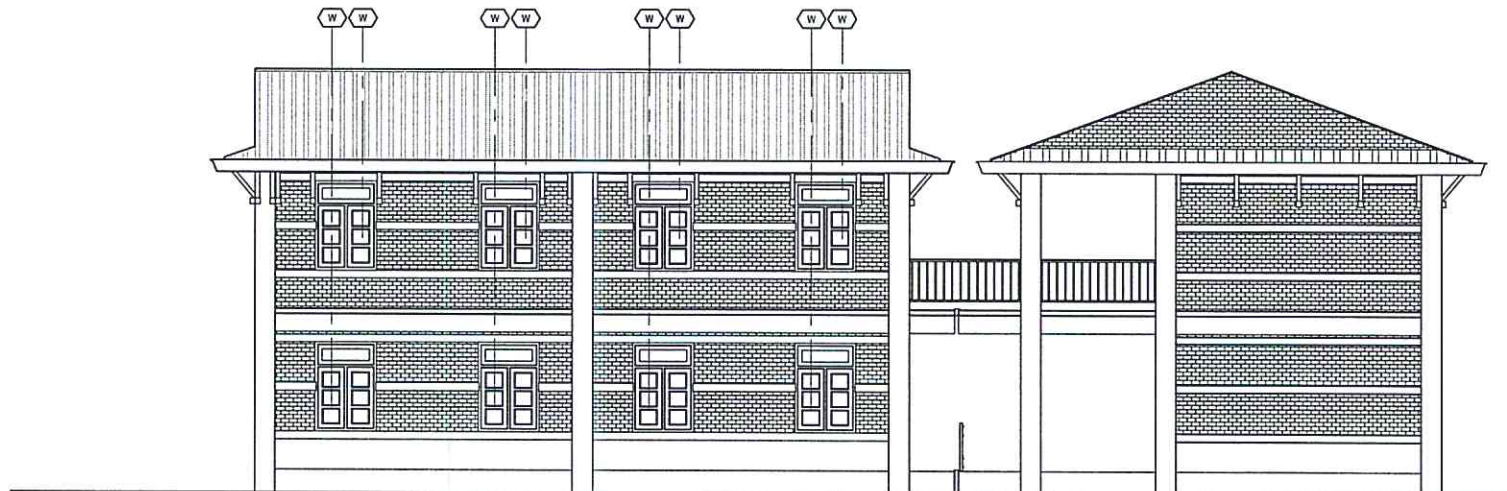
SHEET NO.

A-106





SOUTH ELEVATION
SCALE: 1:100



NORTH ELEVATION
SCALE: 1:100

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jayarkot and Rukum West

PROJECT TITLE:

S. Aatibekot-14, Pipalchour, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
SINCE 1995, POKHARA, NEPAL

PRINCIPAL ARCHITECT

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

ELEVATIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.



A-107

R

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

5. Aathbiskot-14, Pipulchow, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
ENGINEERS, ARCHITECTS, PLANNERS, INTERIORS

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

ELEVATIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
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CONTRACT NO.

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

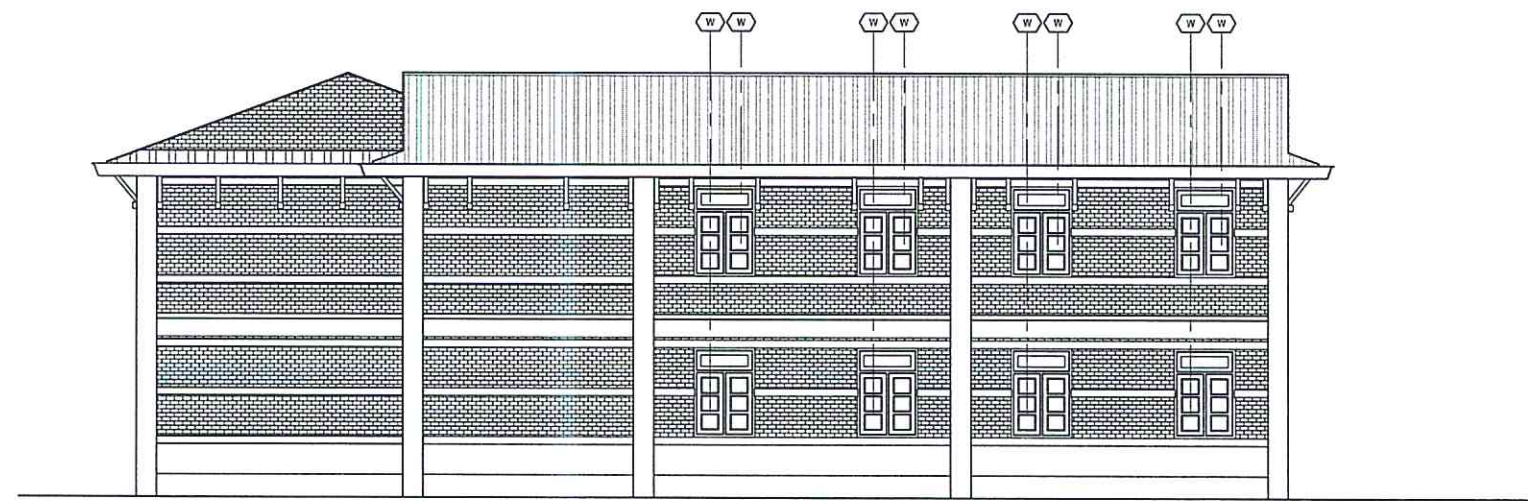
REVISION NO.: REVISION NO.

SHEET NO.

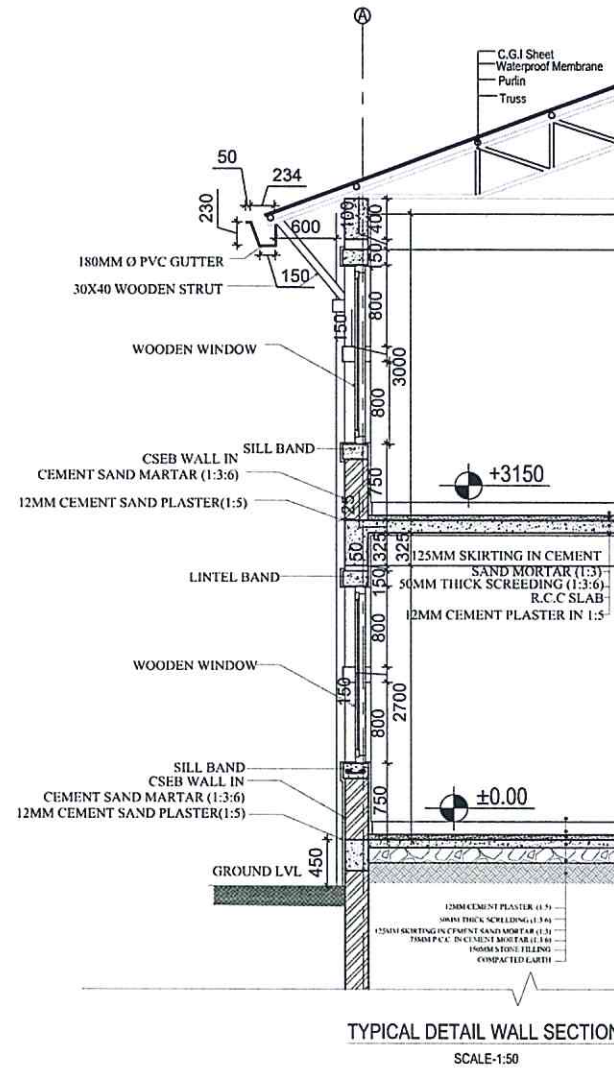
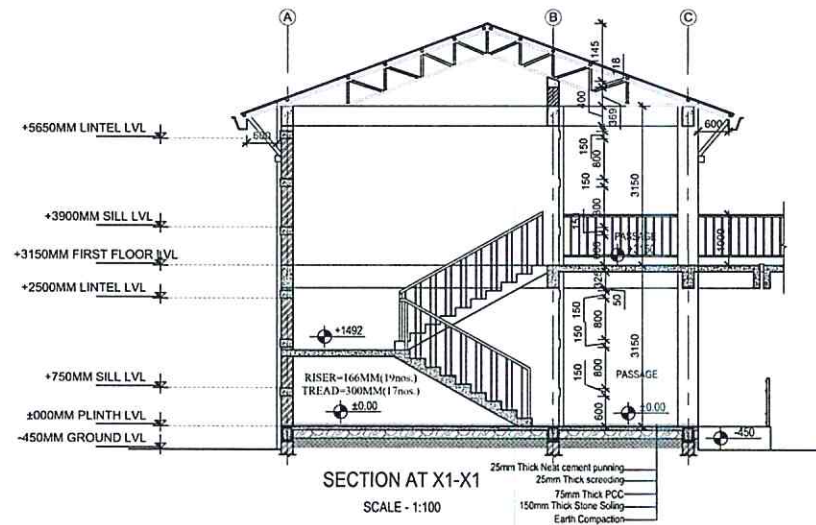
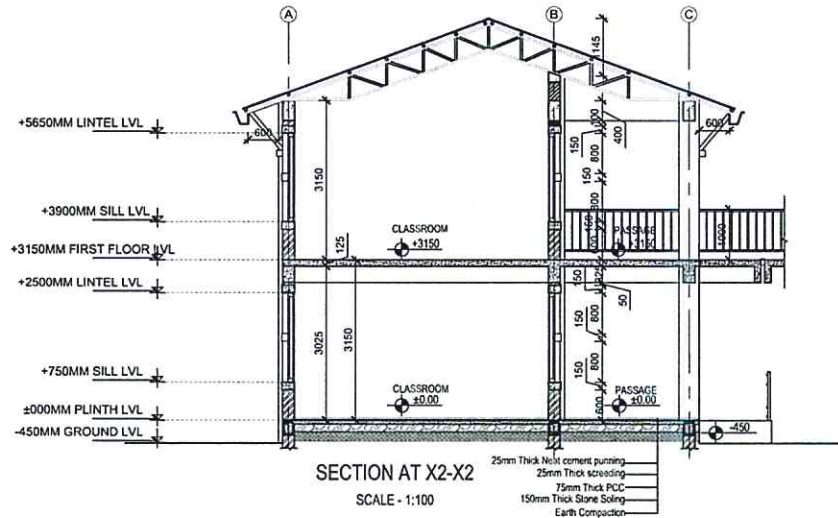
A-108



EAST ELEVATION
SCALE: 1:100



WEST ELEVATION
SCALE: 1:100



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot-14, Pipalchour, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
B-11, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

SECTIONS AND TYPICAL WALL SECTION

REVISIONS

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-109



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5, Aatreshkot-14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
19C-15, Indraprastha, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

STAIRCASE DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
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CONTRACT NO.:

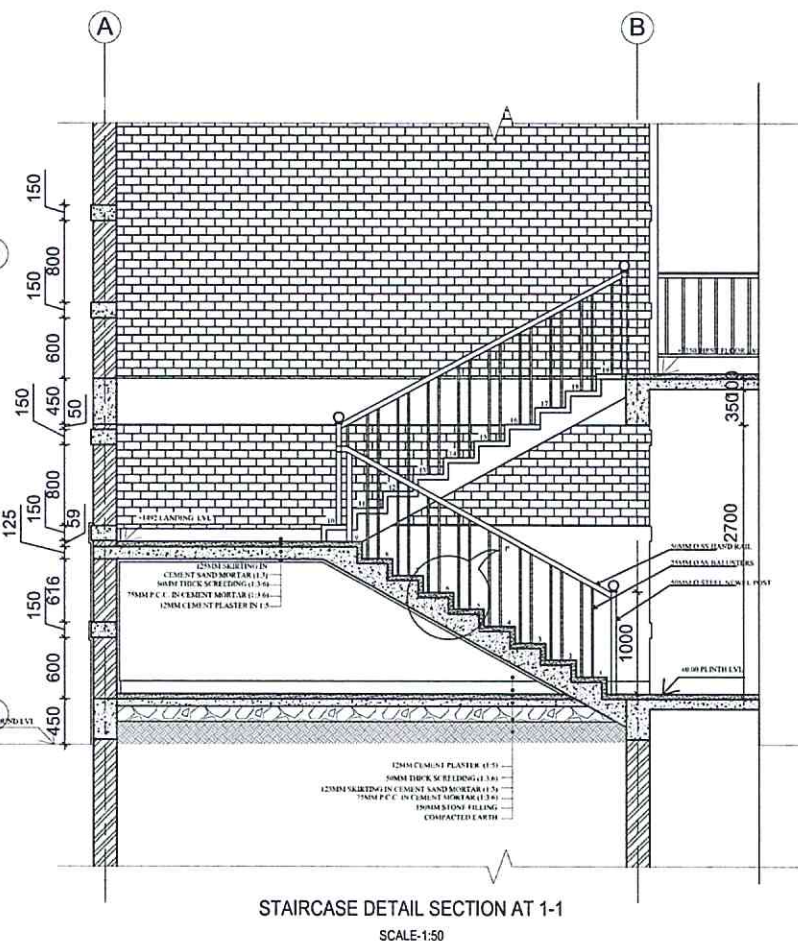
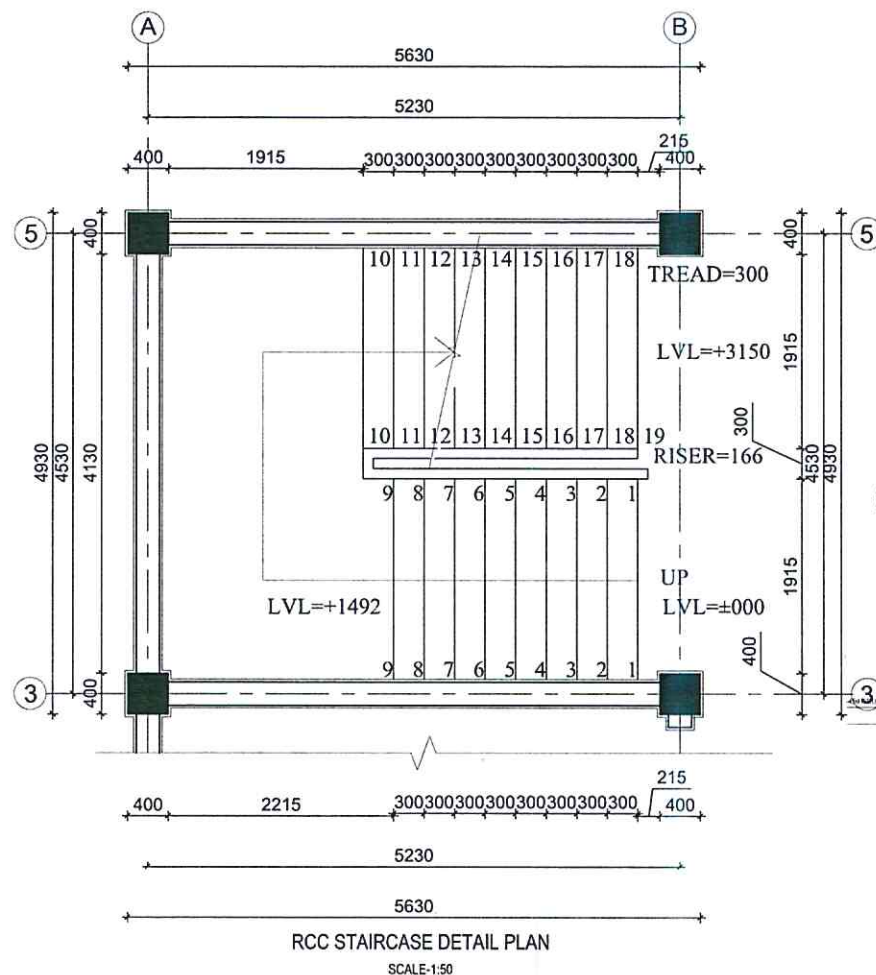
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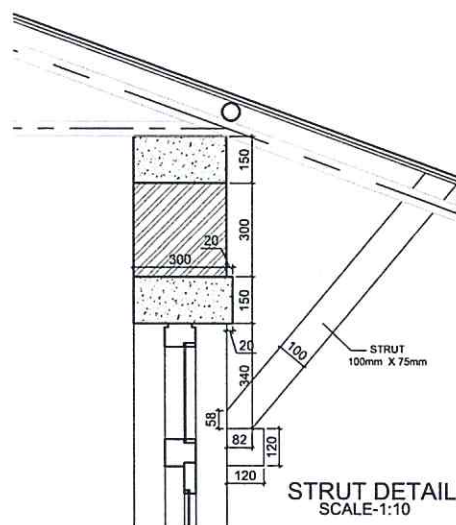
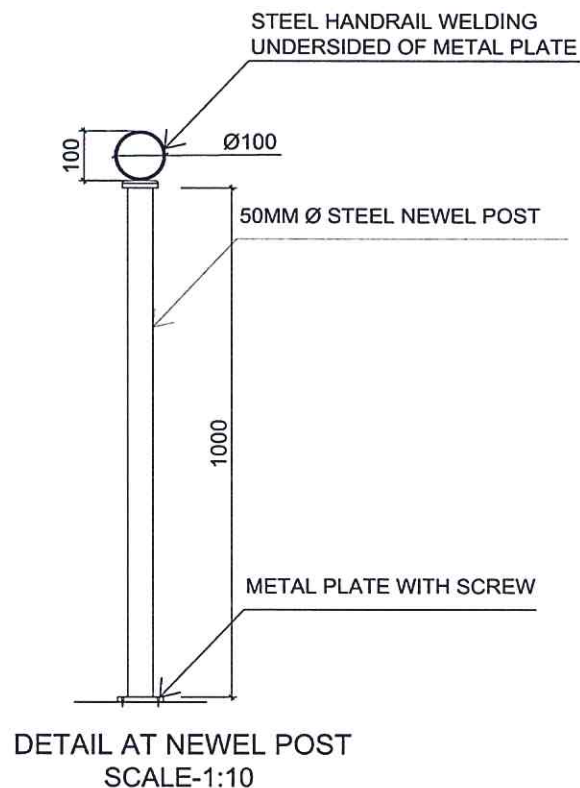
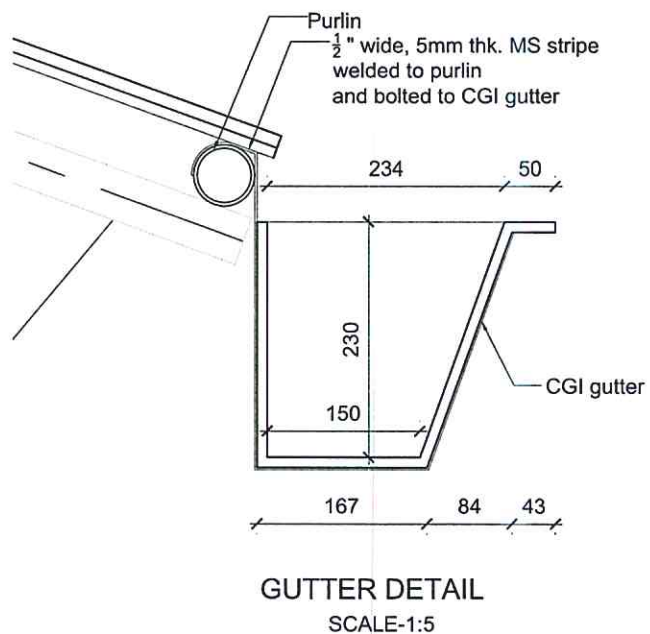
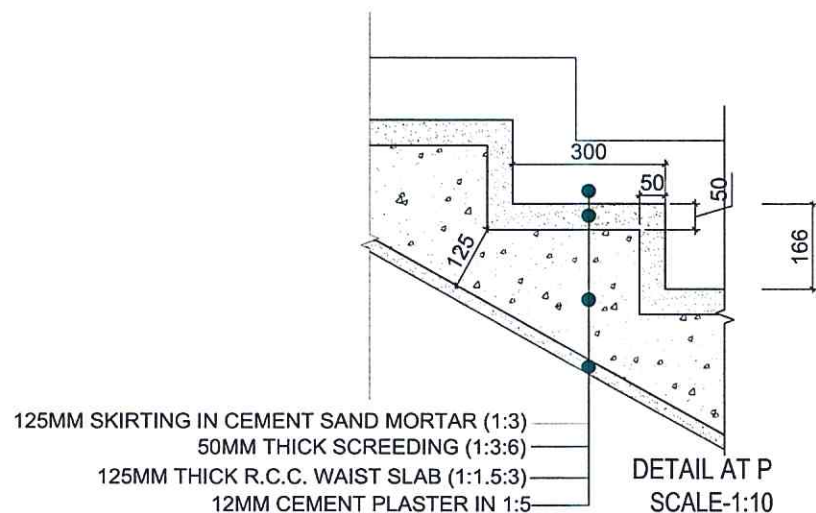
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-110





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbrikot -14, Pipalhour, Srijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
P.O. Box 11, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

STAIRCASE, STRUT AND GUTTER DETAILS

REVISIONS

NUM.	DESCRIPTION	DATE
I		
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CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot-14, Pipalkhaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
P.O. BOX 12345, KATHMANDU, NEPAL

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhushyaki

REVIEWED BY:

DRAWING TITLE:

DOOR AND WINDOW DETAILS
AND DOOR WINDOW SCHEDULE

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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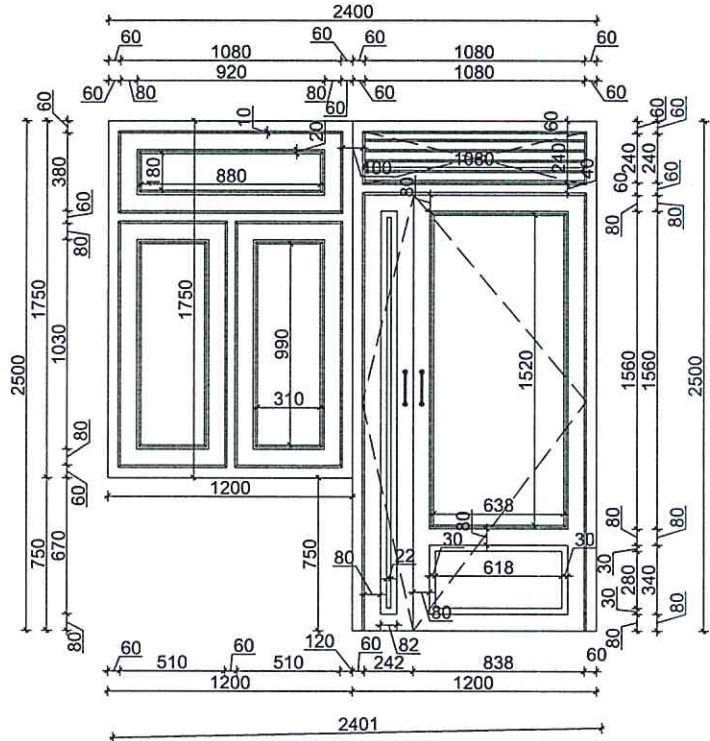
CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

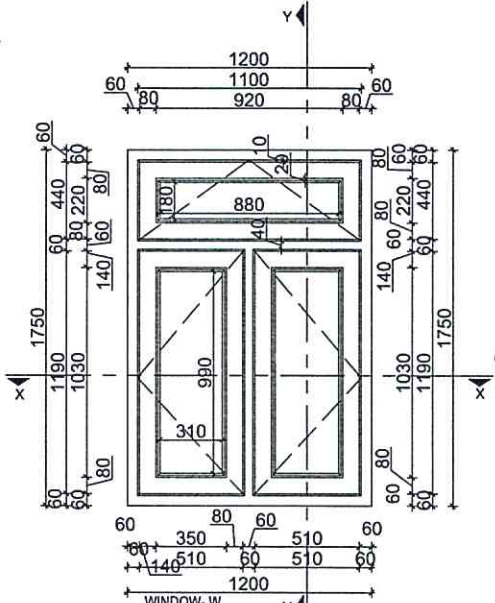
SHEET NO.



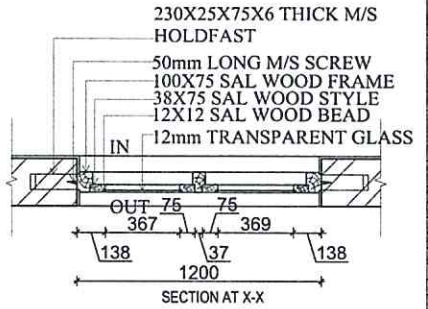
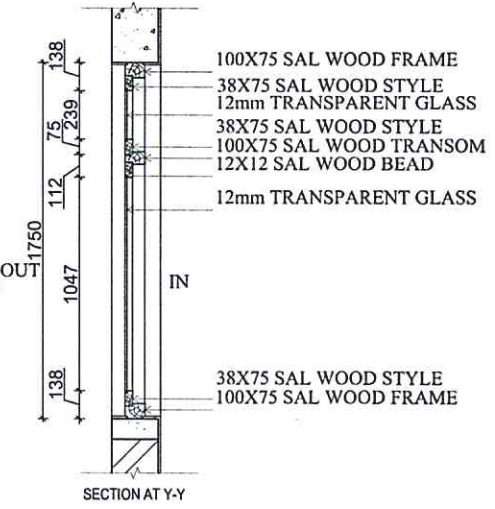
DOOR CUM WINDOW- DW
SIZE - 1200 X 1750 Door- 1200 X 2500
MATERIAL- WOOD AND GLASS
Nos. - 8

OPENING SCHEDULE

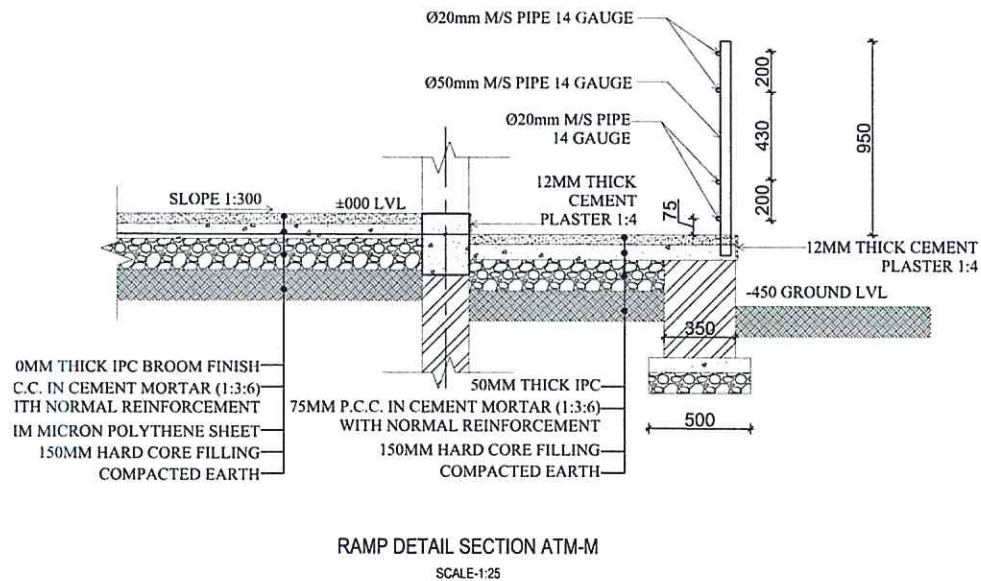
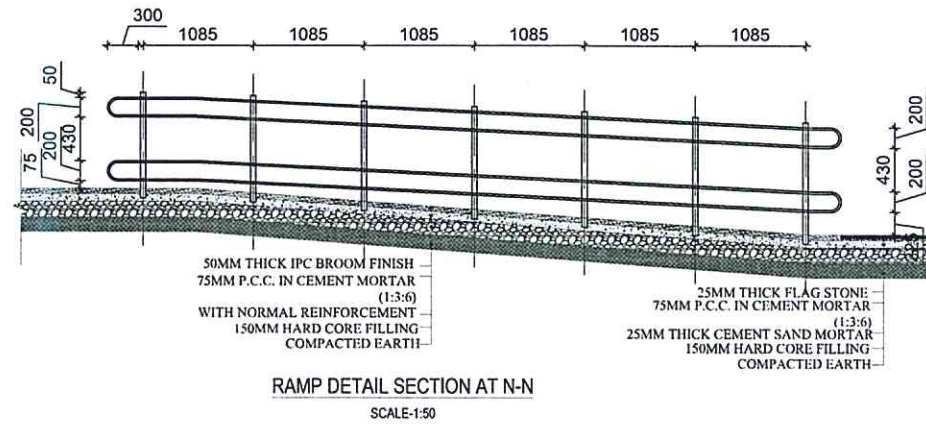
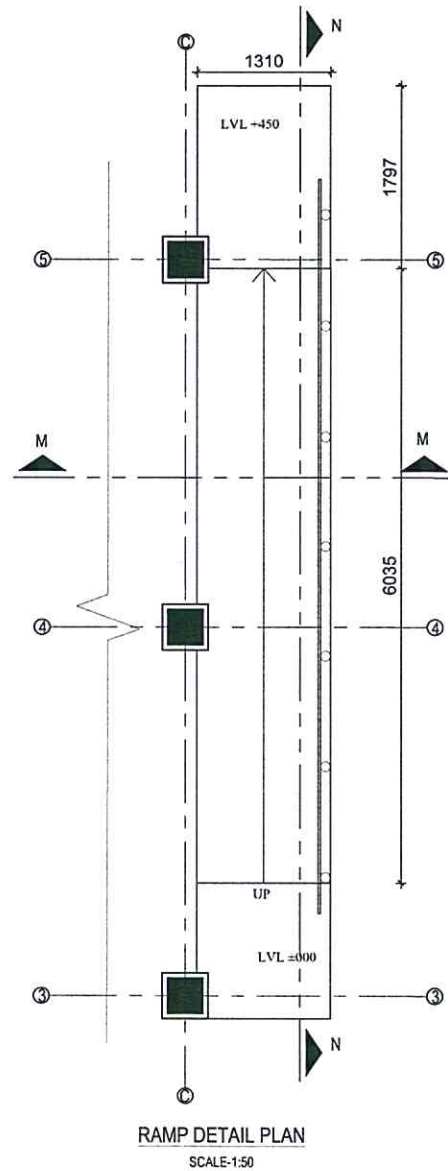
SN	OPENINGS	SYMBOL	NOS.	SIZE L X H	REMARKS.
1	DOOR CUM WINDOW	DW	8	1200X2500	DOOR
				1200X1750	WINDOW
2	WINDOW	W	24	1200X1750	



WINDOW- W
SIZE - 1200 X 1750
MATERIAL- WOOD AND GLASS
Nos. - 24



A-112



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

5, Aathbiskot-14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
REG. NO. 10000000000000000000

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

RAMP DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-113

GENERAL NOTES:

1. THESE NOTES APPLY TO ALL DRAWING SHEETS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ ONLY.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE COMMENCING WORK (I.E. BEFORE DESIGN, FABRICATION AND CONSTRUCTION) AND NOTIFY THE ENGINEERS IMMEDIATELY OF ANY VARIATION FROM THE PLANS FOR THE ENGINEERS EVALUATION, COORDINATING AND VERIFICATION OF DIMENSIONS AND LOCATION OF EMBEDDED ITEMS IS THE RESPONSIBILITY OF THE CONTRACT
5. RESOLVE ANY CONFLICT ON THE CONTRACT DOCUMENTS WITH THE ENGINEER BEFORE PROCEEDING WITH WORK. IN CASE OF DISCREPANCY IN SIZES, DETAILS, CONDITIONS ETC. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST STRINGENT SIZE/DETAIL/CONDITION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE WORK SITE, PARTICULARLY, EXCAVATED AREAS, FROM FLOODING, PONDING, AN INUNDATION BY POOR OR IMPROPER SURFACE DRAINAGE, TEMPORARY PROVISIONS SHOULD BE MADE TO ADEQUATELY DIRECT SURFACE DRAINAGE FROM ALL SOURCES AWAY FROM AND OFF THE WORK SITE. ALSO PROVIDE ADEQUATE SUMPS AND PUMPS TO HANDLE ANY FLOW INTO THE EXCAVATION.
7. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT & EOR BEFORE PROCEEDING WITH ANY WORK TO BE INVOLVED.
8. FIELD DRILLING OF HOLES IN ANY STRUCTURAL MEMBER IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OR THE STRUCTURAL ENGINEER.
9. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
10. CONTRACTORS SHALL VERIFY THE LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES, ETC., AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE SAME FROM DAMAGE. ANY SUCH DAMAGE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S COST.
11. GEOLOGICAL AND SOIL EXPLORATION NEEDS TO BE CARRIED OUT BEFORE EXECUTION OF WORK.
12. "TYPICAL DETAILS" ARE APPLICABLE THROUGHOUT CONSTRUCTION DOCUMENTS AND MAY NOT BE SPECIFICALLY REFERENCED THEREIN. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE TYPICAL DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION TO PERFORMING WORK.
13. UNLESS OTHERWISE INDICATED ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED JOINTS WITH MINIMUM AMPLITUDE OF 5MM.
14. PLUMBING SLOTS, HOLES AROUND PIPES, DUCTS OR OTHER ITEMS WHICH PASS THROUGH CONCRETE SLAB OR WALL SHALL BE FILLED AND PATCHED TO THE SAME DEPTH AS THE SLAB OR WALL.

REINFORCING STEEL:

1. REINFORCEMENT SHALL BE THERMO MECHANICALLY TREATED(TMT) OF GRADE FE 500 CONFORMING TO IS 1786:2008.
2. LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (L_d)
3. NOT MORE THAN HALF OF THE LONGITUDINAL BARS SHALL BE LAPPED AT A SECTION.
4. LAP SPLICES SHALL BE PROVIDED ONLY IN THE MIDDLE HALF OF THE COLUMN.
5. LAPPING OF BOTTOM BARS IN THE BEAM SHOULD BE RESTRICTED TO A REGION AT LEAST "2d" AWAY FROM COLUMN FACE WHERE "d" IS THE EFFECTIVE BEAM DEPTH, BUT EXCLUDING MIDDLE QUARTER LENGTH OF THE BEAM WHILE LAPPING OF TOP BARS SHOULD BE RESTRICTED TO ONE - THIRD LENGTH OF THE BEAM.
6. DEVELOPMENT LENGTH (L_{db}) SHALL BE AS FOLLOW:

GRADE OF CONCRETE	M20	M25
DEVELOPMENT LENGTH (L_{db})	57 ϕ	49 ϕ

7. AT AN EXTERIOR JOINT, TOP AND BOTTOM LONGITUDINAL BARS OF BEAM SHALL BE PROVIDED WITH HORIZONTAL LENGTH BEYOND THE INNER FACE OF THE COLUMN, EQUAL TO HORIZONTAL DEVELOPMENT LENGTH (L_{db}) TERMINATING A STANDARD HOOK OF LENGTH 12 ϕ . HOWEVER, L_{db} SHALL NOT BE LESS THAN LATERAL DIMENSION OF COLUMN MINUS CLEAR COVER

L_{db} for $f_c = 500 \text{ N/mm}^2$ & $f_{yk} = \text{M25}$					
d_b (mm)	10	12	16	20	25
L_{db} (mm)	210	250	330	415	515

8. SPECIAL CONFINING TIES SHALL BE PROVIDED OVER A LENGTH L_0 FROM THE FACE OF THE JOINT TOWARDS THE MID HEIGHTS OF COLUMNS ON EITHER SIDE OF THE JOINT OR AT SECTION WHERE FLEXURAL YIELDING IS LIKELY TO OCCUR. THE LENGTH L_0 SHALL BE THE MAXIMUM OF LARGER LATERAL DIMENSION OF COLUMN OR 450mm OR $\frac{1}{6}$ OF CLEAR HEIGHT OF COLUMN.
9. AT BEAM - COLUMN JUNCTIONS, BEAM BARS IF IN CONFLICT WITH COLUMN BARS SHOULD BE GRADUALLY BENT AND PLACED CLEAR OFF COLUMN BARS. UNDER NO CIRCUMSTANCES COLUMN VERTICAL BARS SHALL BE BENT TO ACCOMMODATE BEAM BARS.

DESIGN CODES AND STANDARDS:

COMPLY WITH THE PROVISIONS OF THE FOLLOWING CODES AND STANDARDS, EXCEPT AS INDICATED OF SPECIFIED OTHERWISE:

1. IS 456:2000- PLAIN AND REINFORCED CONCRETE-CODE OF PRACTICE (FOURTH REVISION)
2. IS 875(PART 1): 1987-DEAD LOADS-UNIT WEIGHT OF BUILDING MATERIALS AND STORED MATERIALS (SECOND REVISION)
3. IS 875(PART 2):1987-IMPOSED LOAD(SECOND REVISION)
4. NBC 105:2020 SEISMIC DESIGN OF BUILDINGS IN NEPAL
5. SP 34-1987 -HANDBOOK ON CONCRETE REINFORCEMENT AND DETAILING (FIFTH REPRINT MARCH 1999)
6. IS 800:2007-GENERAL CONSTRUCTION OF STEEL-CODE OF PRACTICE (THIRD REVISION)
7. SP-6(1)-1964 -HANDBOOK FOR STRUCTURAL ENGINEERS

CONCRETE:

1. CEMENT SHALL CONFORM TO IS 12269:2013.
2. AGGREGATE SHALL CONFORM TO IS 383:2016.
3. GRADE OF CONCRETE MIX SHALL BE AS FOLLOWS:

GRADE OF CONCRETE(f_{ck})		
FOUNDATION	COLUMN, BEAM, SLAB & STAIRCASE	LINTEL/ SILL BAND
M25	M25	M20

4. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:

CLEAR COVER (mm)			
FOUNDATION	COLUMN	BEAM	SLAB, STAIRCASE, LINTEL/ SILL BAND
50	40	25	15

5. THE MAXIMUM DESIGN SLUMP FOR PUMPED CONCRETE SHALL BE IN BETWEEN 75-100 mm AND FOR NORMAL CONCRETE IN BETWEEN 50-100 mm.
6. ALL DETAILS, METHODS OF CONSTRUCTION, ETC., SHALL COMPLY WITH ALL REQUIREMENTS AND/OR RECOMMENDATIONS OF IS 456:2000.
7. ADMIXTURES SHALL NOT BE USED WITHOUT CONSENT OF THE ENGINEER.

STRUCTURAL STEEL:

1. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO IS 800:2007 FOR THE DESIGN, FABRICATIONS AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. THE STRUCTURAL STEEL SHALL CONFORM TO IS 2062:2011.
3. STRUCTURAL STEEL SHALL BE OF GRADE, E 250 WITH YIELD STRENGTH 250 MPa.
4. STRUCTURAL STEEL SECTION SHALL COMPLY TO IS808:1989.

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot -14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture & Interiors (P.) Ltd.
Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

GENERAL NOTES

REVISIONS:

NUM	DESCRIPTION	DATE
I		
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CONTRACT NO.:

SCALE:

DATE:

REVISION NO.:

SHEET NO.

S-101



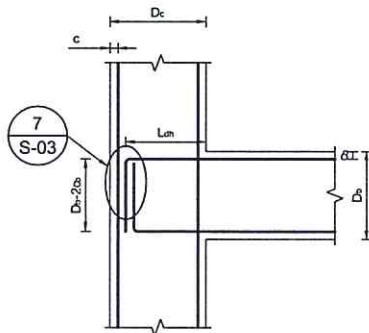
STRUCTURAL TEST & INSPECTIONS:

- ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY PER IS 456:2000. COPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE ENGINEER.
- CONCRETE:
 - PROVIDE CONTINUOUS INSPECTIONS DURING CASTING OF CONCRETE.
- BOLTS INSTALLED IN CONCRETE:
 - PROVED PERIODIC INSPECTION DURING THE INSTALLATION OF THE BOLTS. ALL BOLTS SHALL BE INSPECTED PRIOR TO PLACEMENT OF THE CONCRETE.
 - PROVIDE CONTINUOUS INSPECTIONS OF THE BOLTS DURING THE PLACEMENT OF CONCRETE.
- REINFORCING STEEL:
 - PROVIDE PERIODIC INSPECTION DURING THE PLACING OF THE REINFORCING STEEL.
- STRUCTURAL WELDING:
 - PROVIDE CONTINUOUS INSPECTIONS DURING ALL WELDING.
- WELDING:
 - PROVIDE PERIODIC INSPECTIONS OF WELDING METALS, STANDARD ELECTRODES AND JOINT PREPARATION IN WELDING PROCESS.
 - SPECIAL INSPECTOR SHALL MONITOR TO MINIMIZE INCOMPLETE FUSION, INCOMPLETE PENETRATION, POROSITY, SLAG INCLUSIONS, CRACKS & UNDERCUTTING.
 - SPECIAL INSPECTOR SHALL OBSERVE THE SIZE OF WELD, EFFECTIVE LENGTH, THROAT THICKNESS, THICKNESS OF PARENT METAL AND OTHER FACTOR THAT CONTROLS THE PROPER WELDING.

ABBREVIATIONS:

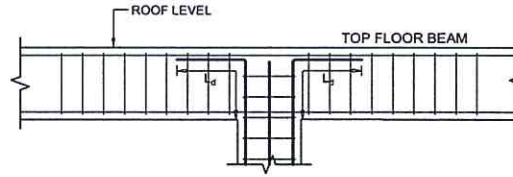
FOLLOWING ABBREVIATIONS ARE USED IN THE DRAWINGS:

2L	TWO LEGGED
@	AT
B	BOTTOM STEEL BAR
c/c	CENTER TO CENTER
d	DIAMETER OF REBAR
D _f	DEPTH OF FOOTING
RC	REINFORCED CONCRETE
T	TYPE OF STEEL/TOP STEEL BAR
T/B	TOP & BOTTOM
TB	TOP BAR
BB	BOTTOM BAR
TH	THICKNESS
d _b	DIAMETER OF THE MAIN BEAM BAR
L	LENGTH
B	BREADTH
UTB	UPPER TIE BEAM
LTB	LOWER TIE BEAM



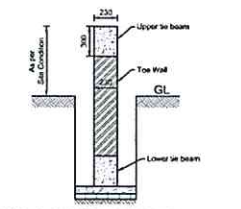
ANCHORAGE OF BEAM
LONGITUDINAL BARS IN COLUMN

NOT TO SCALE



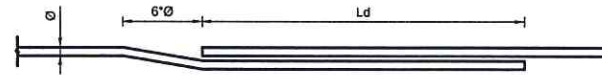
COLUMN BAR TERMINATION DETAIL

NOT TO SCALE



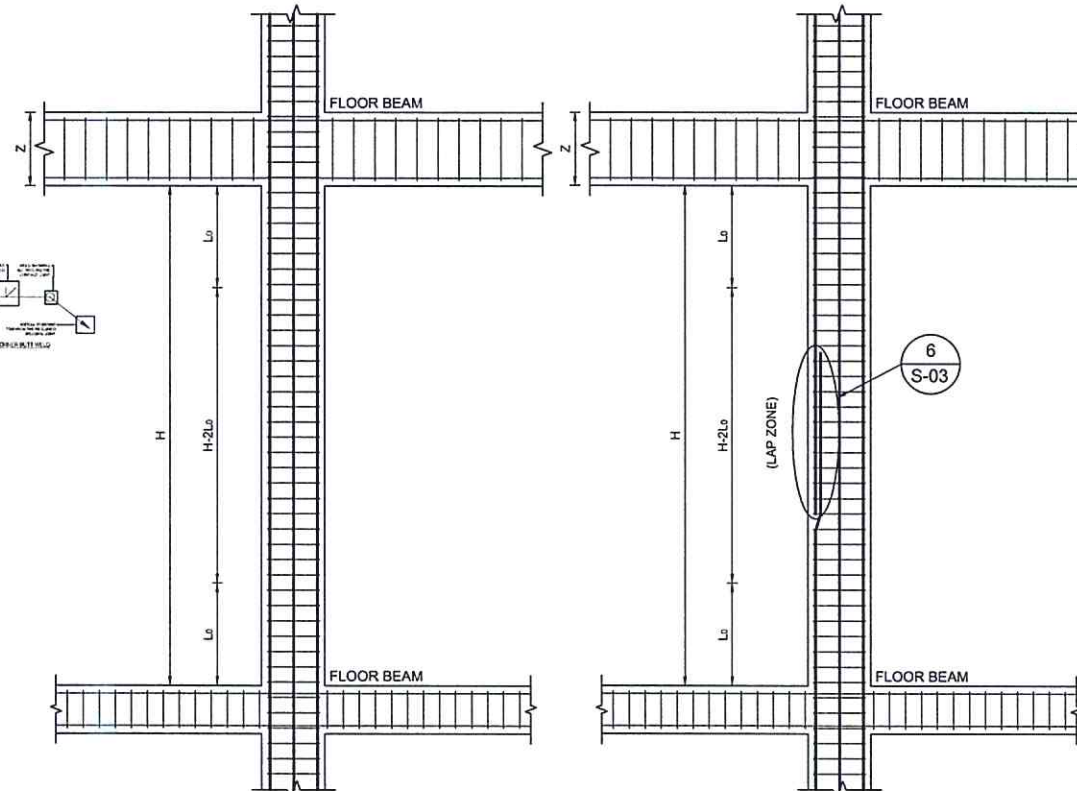
TYPICAL SECTION OF TOE WALL
BETWEEN UPPER & LOWER TIE BEAM

NOT TO SCALE



REBAR LAPPING DETAILS

NOT TO SCALE



TIES DETAIL

NOT TO SCALE

LAP DETAIL OF COLUMN

NOT TO SCALE

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathkot -14, Pipokhour, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
KTM-15, Lalitpur, Lalitpur, Lalitpur

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

GENERAL NOTES & TYPICAL
DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE:

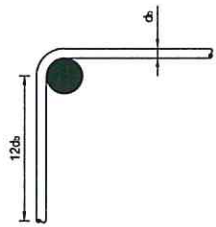
DATE:

REVISION NO.:

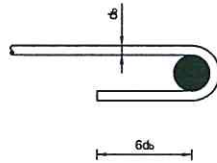
SHEET NO.

S-102

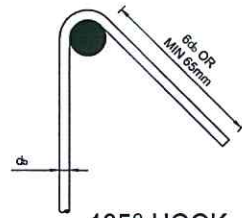




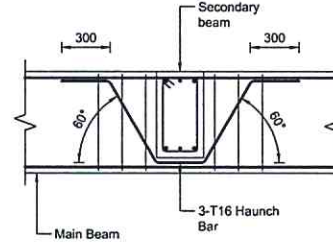
7 90° HOOK
NOT TO SCALE



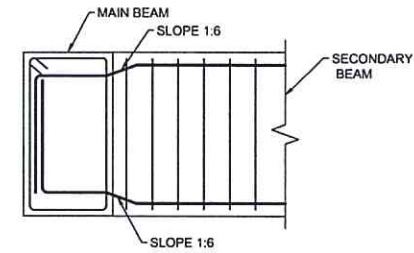
8 180° HOOK
NOT TO SCALE



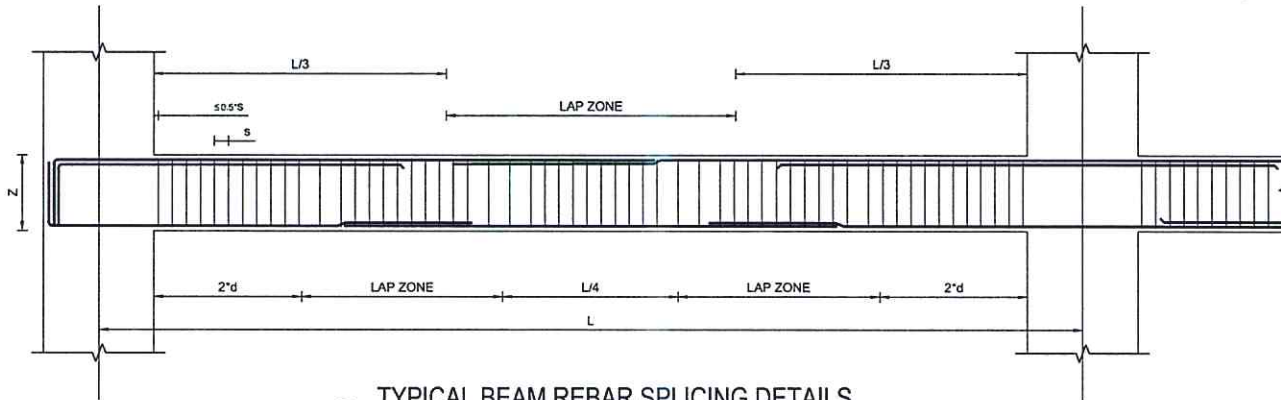
9 135° HOOK
NOT TO SCALE



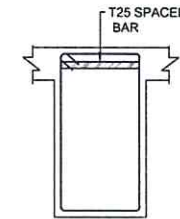
11 HAUNCH BAR DETAILS
NOT TO SCALE



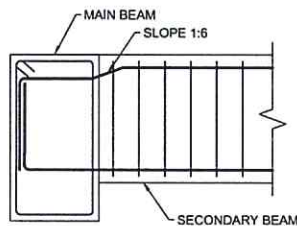
14 CONNECTION DETAIL BETWEEN
MAIN & SECONDARY BEAM
(EQUAL DROP)
NOT TO SCALE



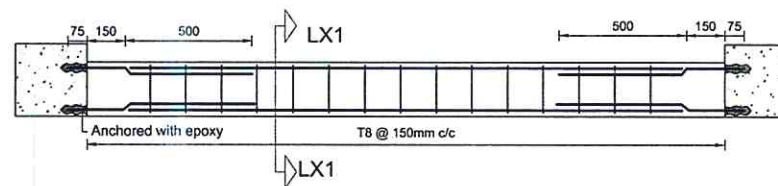
10 TYPICAL BEAM REBAR SPLICING DETAILS
NOT TO SCALE



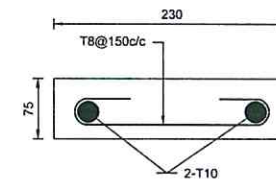
12 SPACER BAR DETAIL
NOT TO SCALE



13 CONNECTION DETAIL BETWEEN
MAIN & SECONDARY BEAM
(UNEQUAL DROP)
NOT TO SCALE



15 SECTIONAL PLAN OF SILL AND LINTEL BAND
NOT TO SCALE



DETAIL AT "LX1-LX1"
SCALE= 1:10

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. Aathbiskot -14, Pipulkhur, Shyamba Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
2ND FLOOR, THERAKHOL, SAKHUBHUM, LALPURA

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

GROUND FLOOR PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE:

DATE:

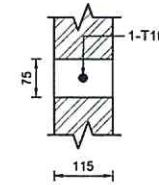
REVISION NO.:

SHEET NO.

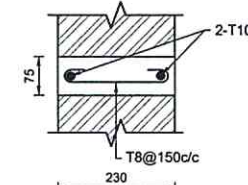
S-103

SN.	SPAN	B	D	REBAR		LINKS/ STIRRUPS	BEARING (BW)	SECTION AT L2
				TOP	BOTTOM			
1	$1200 < L \leq 1500$	115	150	1-T10	1-T10	T8@150c/c	300	
2	$L \leq 1500$	230	150	2-T10	2-T10	T8@150c/c	300	
3	$1500 < L \leq 3000$	230	200	2-T12	2-T12	T8@150c/c	300	
4	$3000 < L \leq 4000$	230	250	2-T12	2-T12	T8@150c/c	450	

LINTEL SCHEDULE
SCALE=1:20



SECTION AT S1-S1/L1-L1
(FOR 115mm WALL)
SCALE=1:10



SECTION AT S1-S1/L1-L1
(FOR 230mm WALL)
SCALE=1:10



TYPICAL SILL AND LINTEL PROFILE DETAILS
SCALE=1:30

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
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TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot -14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
UNEP-25, Kathmandu, Lalitpur

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

GROUND FLOOR PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

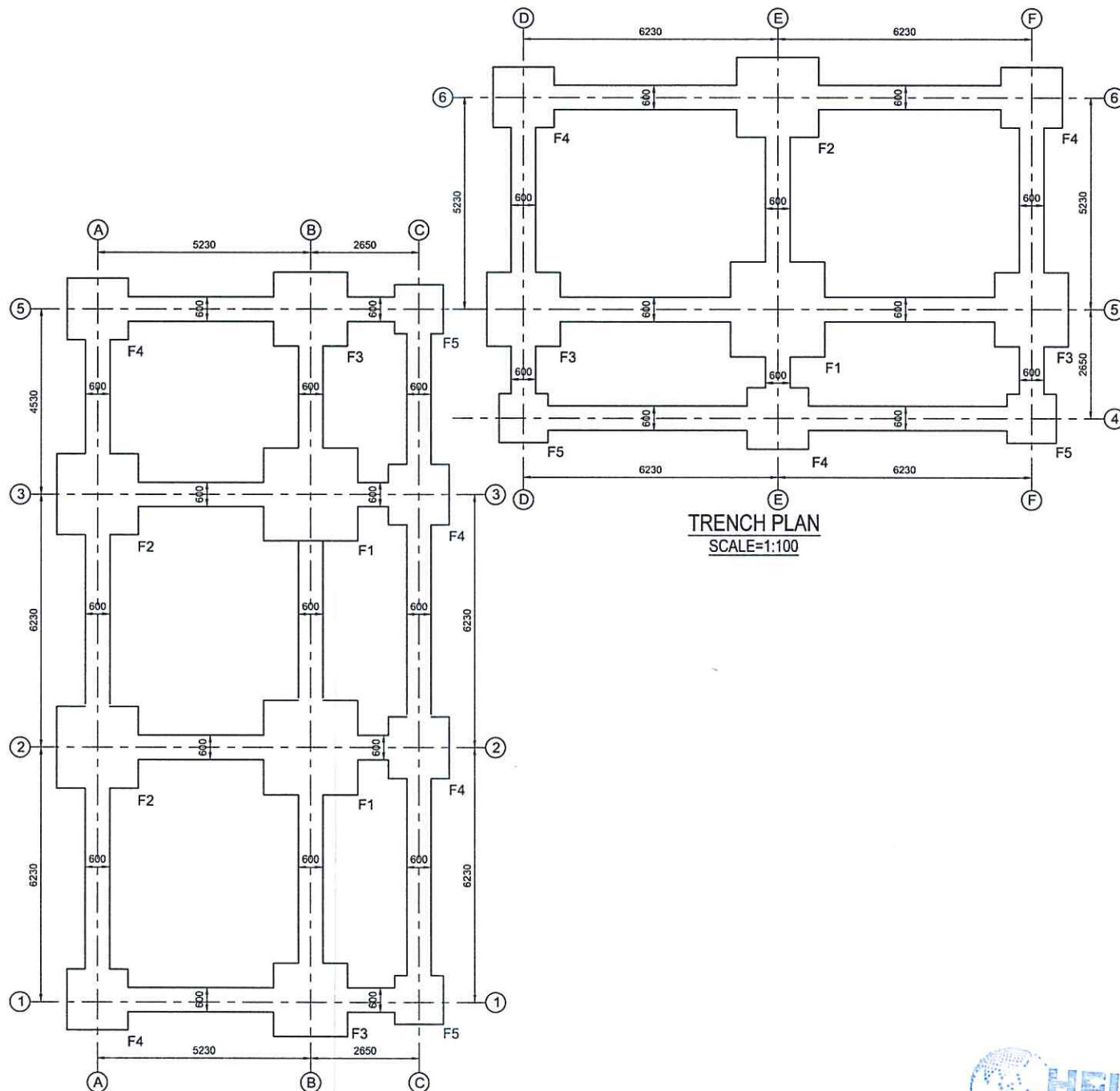
SCALE:

DATE:

REVISION NO.:

SHEET NO.

S-104



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Ashirkot-14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
LPO-13, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TRENCH PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

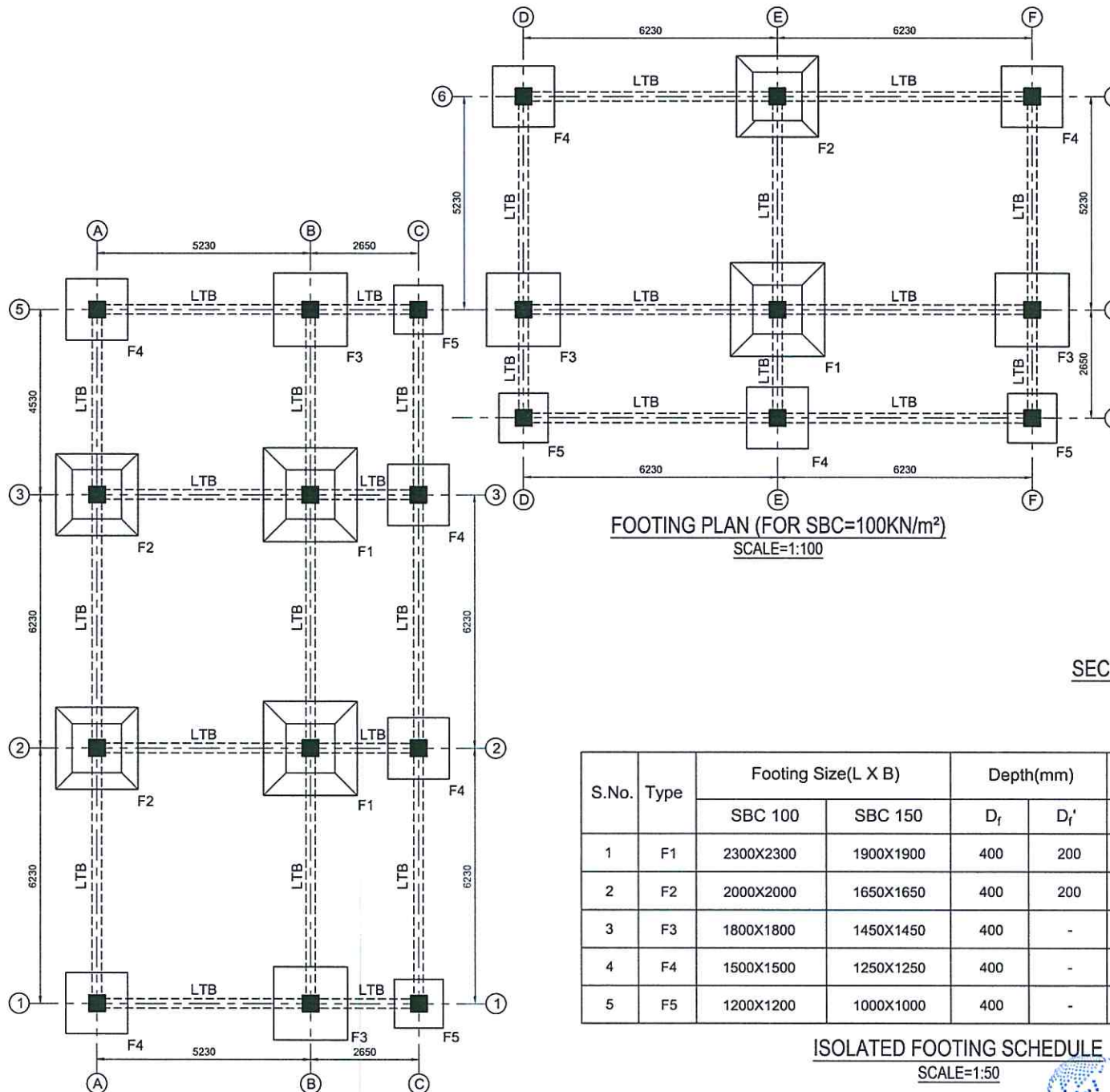
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DATE:

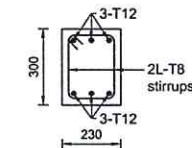
REVISION NO.:

SHEET NO.

S-105



FOOTING PLAN (FOR SBC=100KN/m²)
SCALE=1:100



SECTION FOR LOWER
TIE BEAM
SCALE 1:20

S.No.	Type	Footing Size(L X B)		Depth(mm)		Reinforcement Bar
		SBC 100	SBC 150	D _f	D _f '	
1	F1	2300X2300	1900X1900	400	200	T12@150 c/c
2	F2	2000X2000	1650X1650	400	200	T12@150 c/c
3	F3	1800X1800	1450X1450	400	-	T12@150 c/c
4	F4	1500X1500	1250X1250	400	-	T12@150 c/c
5	F5	1200X1200	1000X1000	400	-	T12@150 c/c

ISOLATED FOOTING SCHEDULE
SCALE=1:50

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Japariot and Rukum West

PROJECT TITLE:

5. Aathrikot -14, Pipalkhour, Shrijana Basic School

CONSULTANT:

A. Not
Architecture & Architects(P.) Ltd.
UNEP/WHO Collaborating Centre, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

FOOTING PLAN & SCHEDULE,
TYPICAL LOWER TIE BEAM
SECTION

REVISIONS:

NUM	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

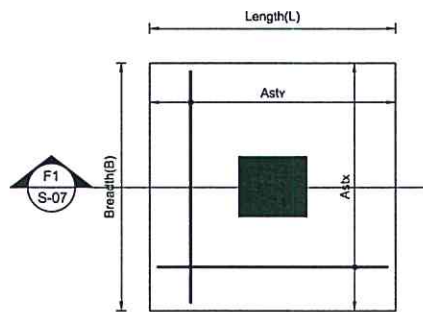
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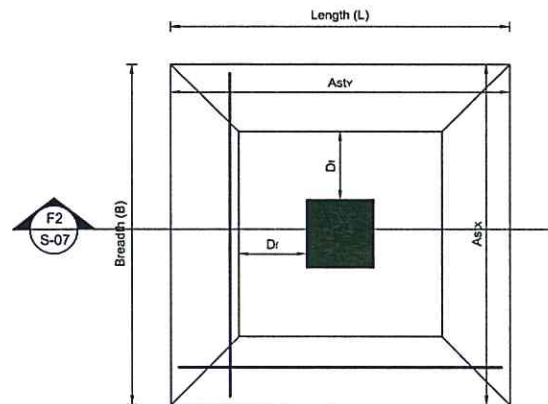
REVISION NO.:

SHEET NO.

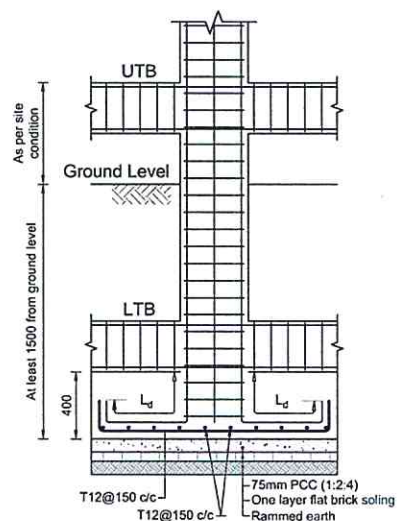
S-106



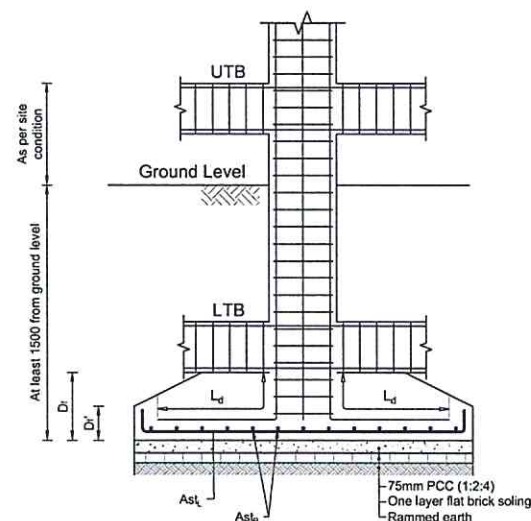
TYPICAL FOOTING PLAN (F3,F4 & F5))
SCALE=1:30



TYPICAL FOOTING PLAN(F1 & F2)
SCALE =1:30



TYPICAL FOOTING SECTION
(ISOLATED FOOTING F3,F4 & F5)
F1
NOT TO SCALE



TYPICAL FOOTING SECTION
(ISOLATED FOOTING F1 & F2)
F2
NOT TO SCALE

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

5. Aathbiskot -14, Pipalchaur, Shrijana Basic School

CONSULTANT:

A.A. Not
Architecture & Architects (P.) Ltd.
DHOKA, Lalitpur, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL FOOTING PLAN &
SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE:

DATE:

REVISION NO.:

SHEET NO.

S-107



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT

HELVETAS
NEPAL

PROJECT

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

S. Aathibskot -14, Pipalchow, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
4/10/11, Tathani Chowk, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

**COLUMN PLAN &
SCHEDULE**

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

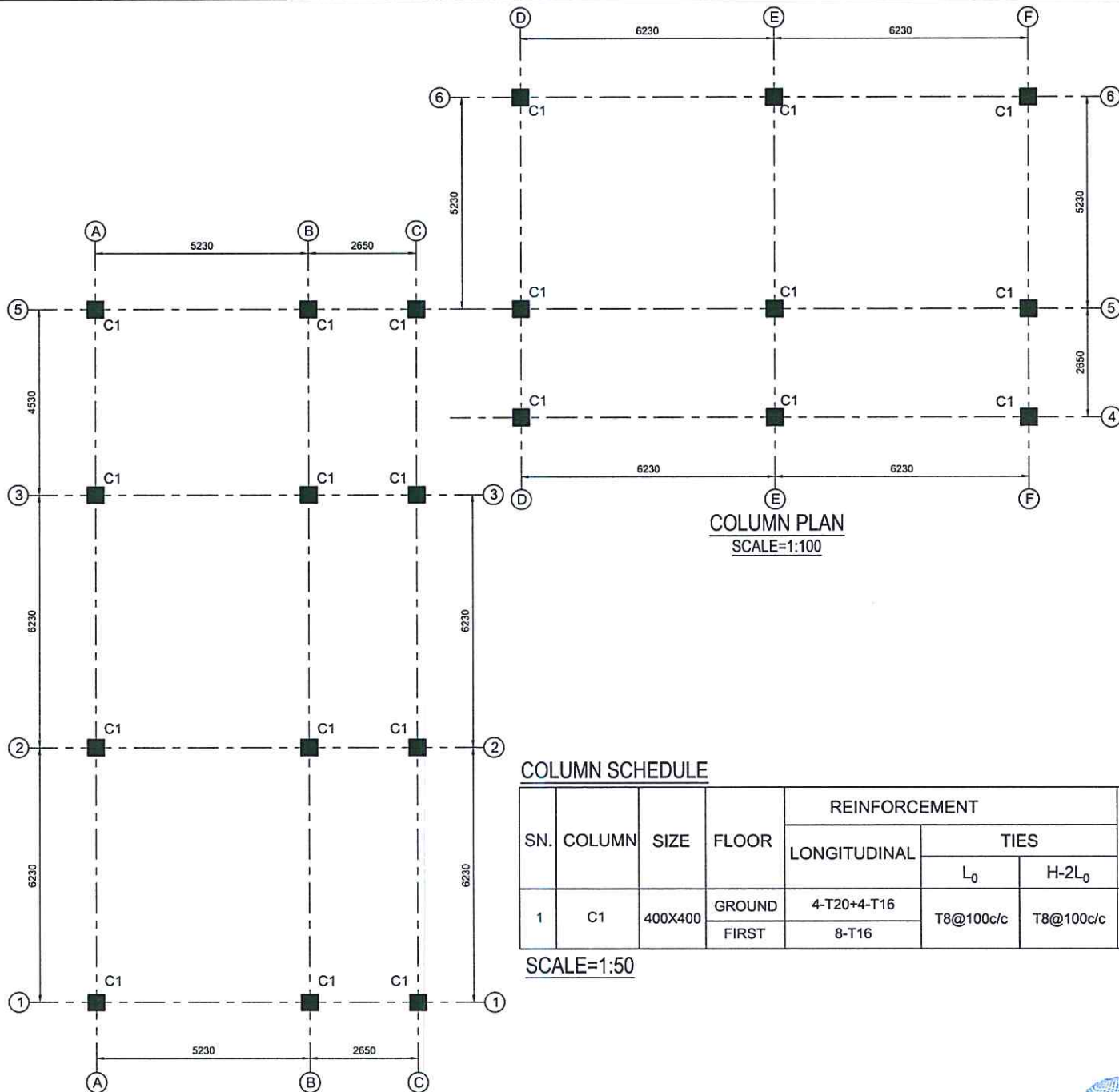
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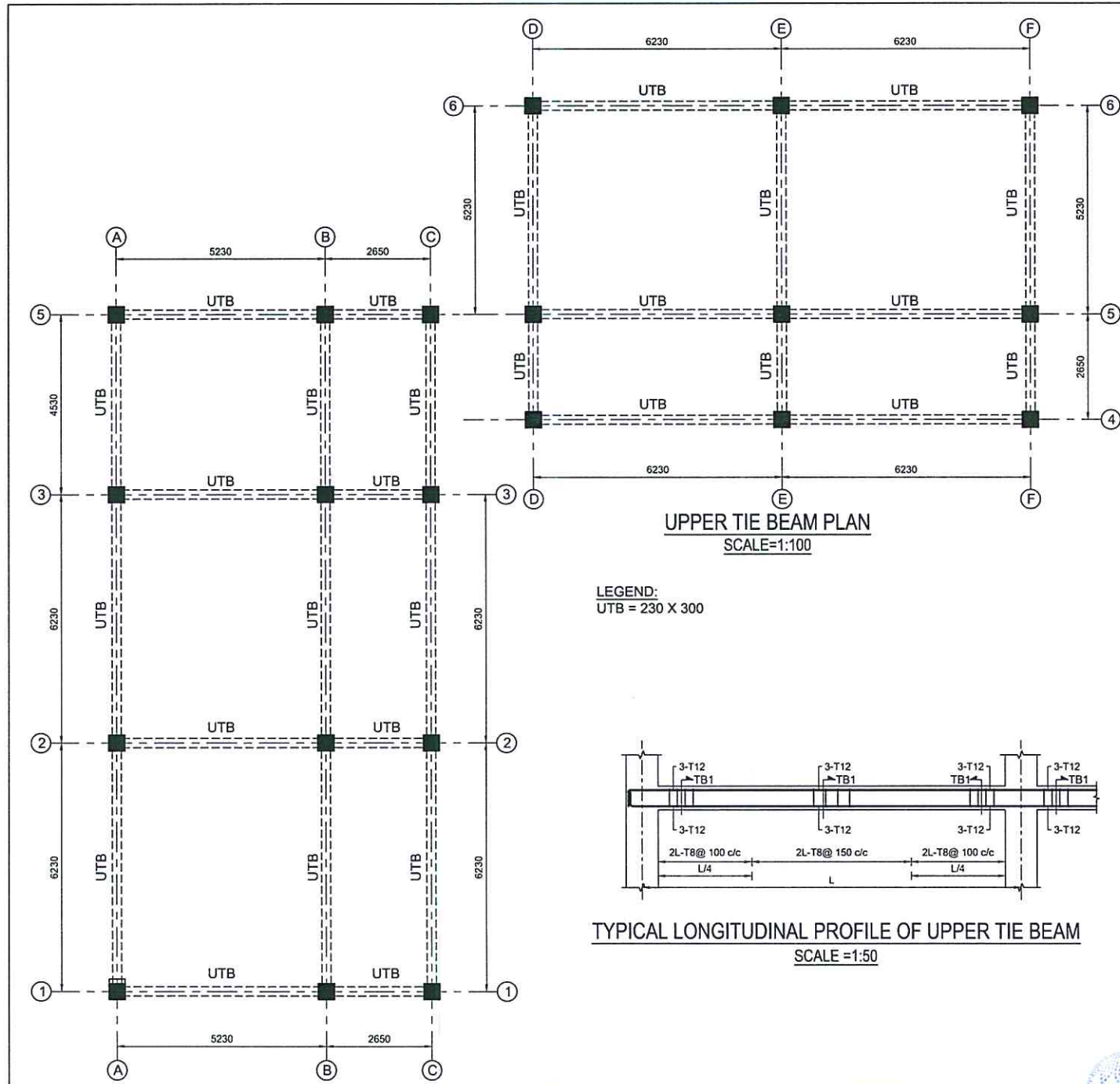
DATE:

REVISION NO.:

SHEET NO.

S-108





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5, Aathbiskot -14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
UNEP, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

**UPPER TIE BEAM PLAN,
PROFILE & SECTION**

REVISIONS:

NUM	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

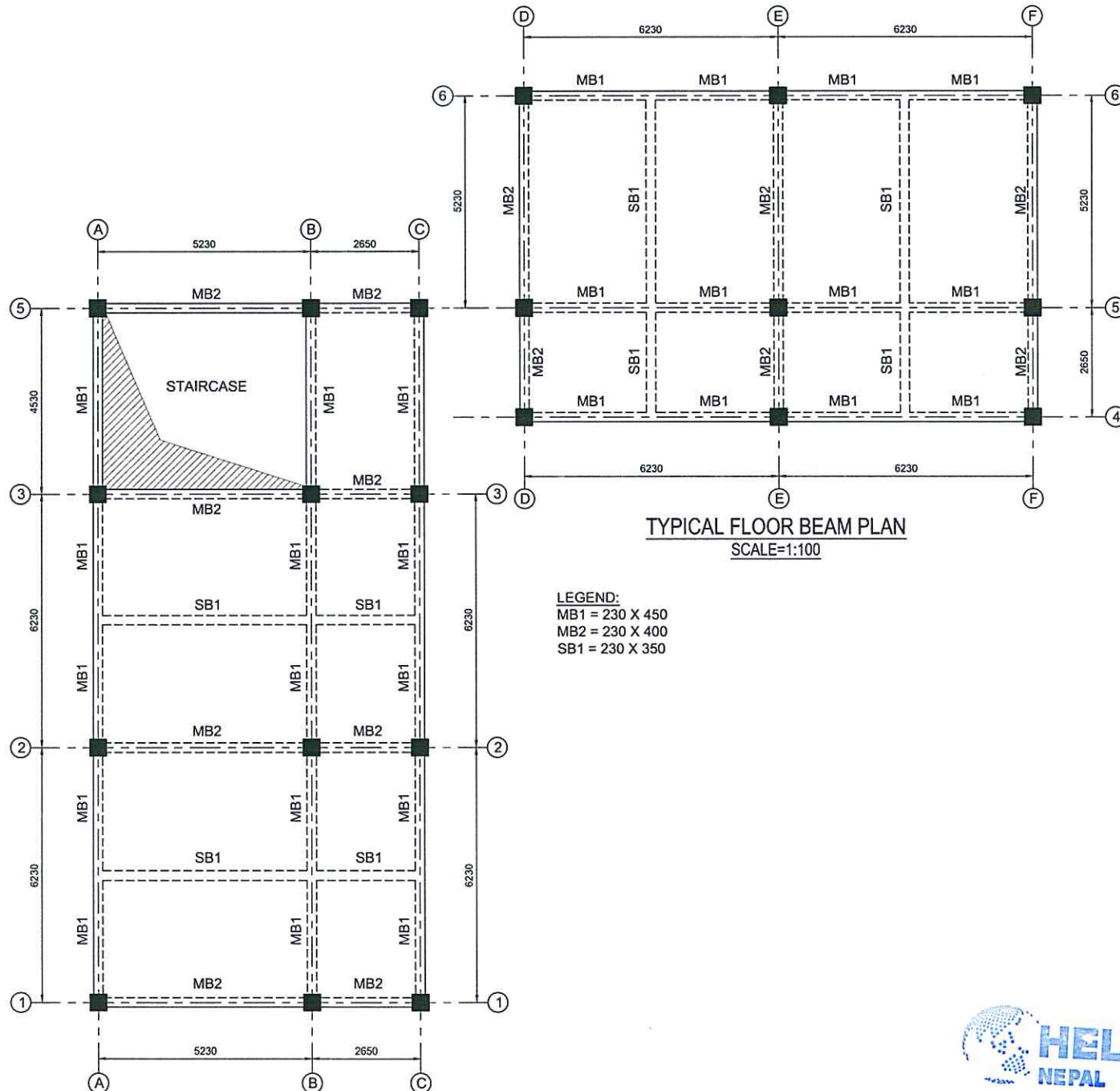
SCALE:

DATE:

REVISION NO.:

SHEET NO.

S-109



NOTE:
 1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 DRAWINGS SHALL NOT BE MEASURED.
 2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
 TO THE SITE ENGINEER



CLIENT:

HELVETAS
 NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Jajarkot and Rukum West

PROJECT TITLE:

5, Aathbiskot -14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
 Architecture & Architects (P.) Ltd.
 14/01/19, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
 (NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL FLOOR BEAM PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE:

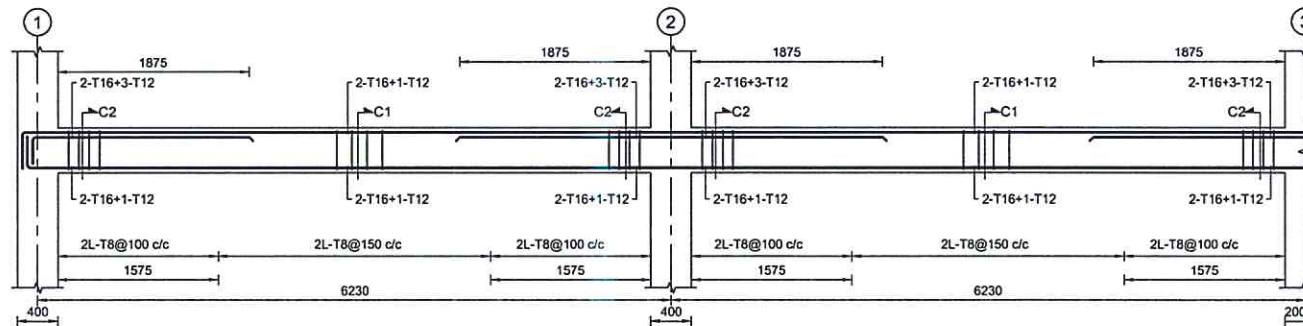
DATE:

REVISION NO.:

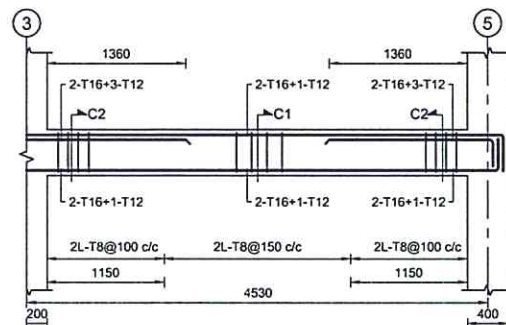
SHEET NO.

S-110

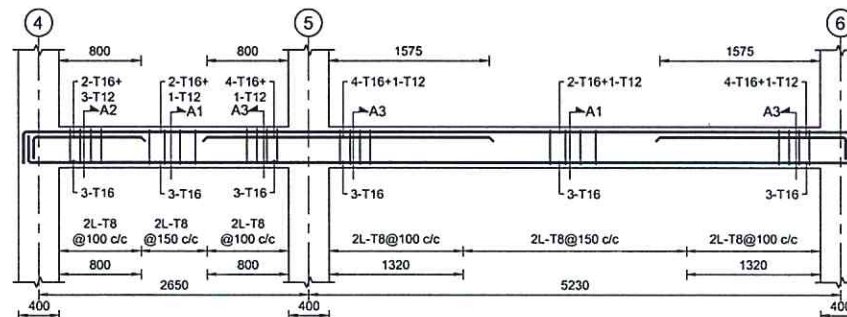




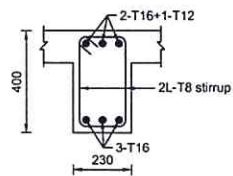
LONGITUDINAL BEAM PROFILE ALONG C-C
GROUND FLOOR LEVEL
SCALE=1:50



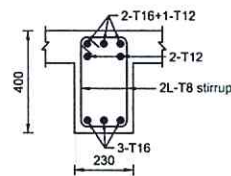
LONGITUDINAL BEAM PROFILE ALONG C-C
GROUND FLOOR LEVEL
SCALE=1:50



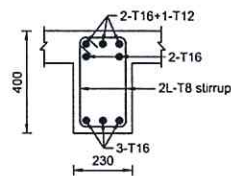
LONGITUDINAL BEAM PROFILE ALONG E-E
GROUND FLOOR LEVEL
SCALE=1:50



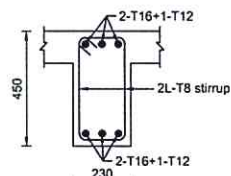
SECTION AT A1
SCALE=1:20



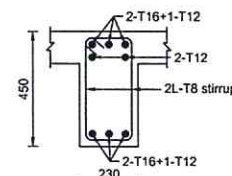
SECTION AT A2
SCALE=1:20



SECTION AT A3
SCALE=1:20



SECTION AT C1
SCALE=1:20



SECTION AT C2
SCALE=1:20

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Japahot and Rukum West

PROJECT TITLE:

5. Aathbrikot -14, Pipakhar, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
KTM, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR GROUND FLOOR LEVEL
& SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

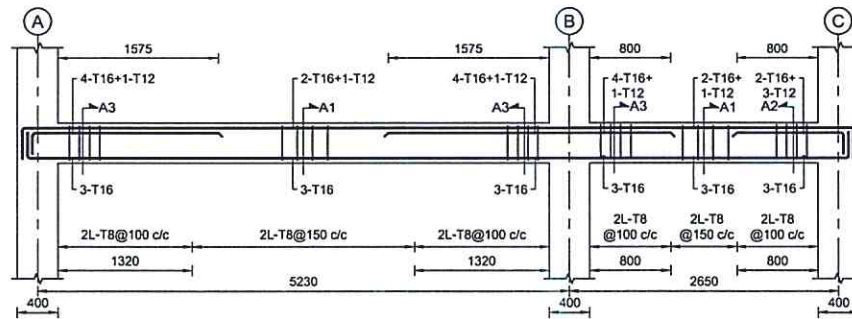
SCALE:

DATE:

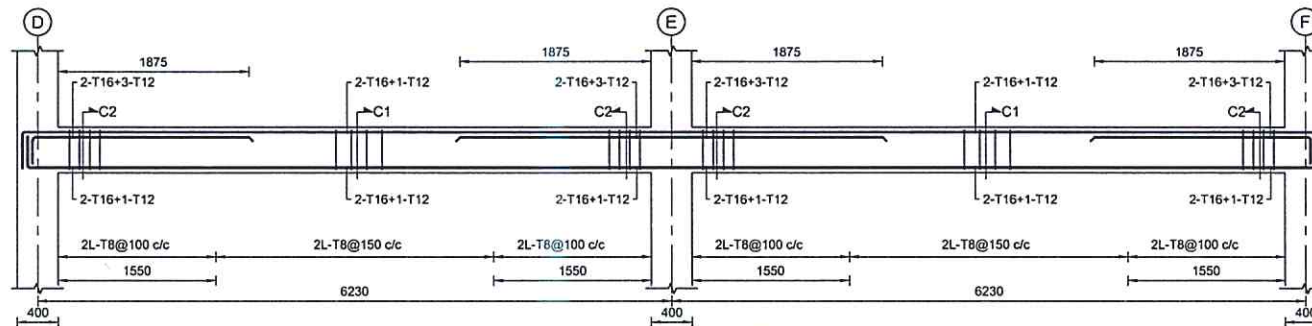
REVISION NO.:

SHEET NO.

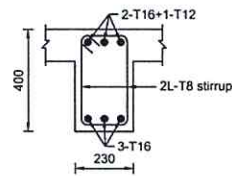
S-111



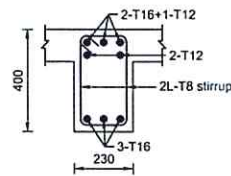
LONGITUDINAL BEAM PROFILE ALONG 1-1
GROUND FLOOR LEVEL
SCALE=1:50



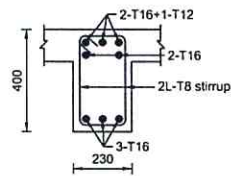
LONGITUDINAL BEAM PROFILE ALONG 5-5
GROUND FLOOR LEVEL
SCALE=1:50



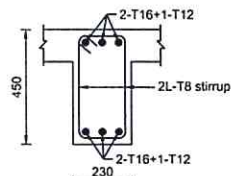
SECTION AT A1
SCALE=1:20



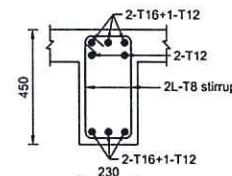
SECTION AT A2
SCALE=1:20



SECTION AT A3
SCALE=1:20



SECTION AT C1
SCALE=1:20



SECTION AT C2
SCALE=1:20

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Japahot and Rukum West

PROJECT TITLE:

5. Antbiskot -14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
(P)vt. Limited, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR GROUND FLOOR LEVEL
& SECTION

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

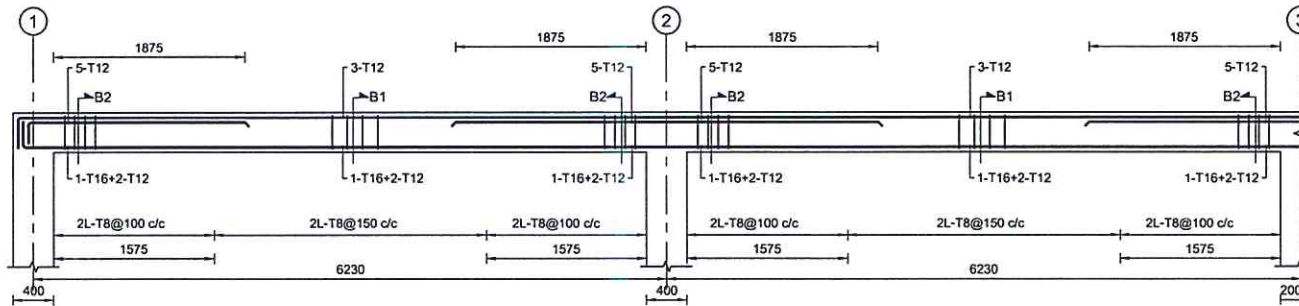
SCALE:

DATE:

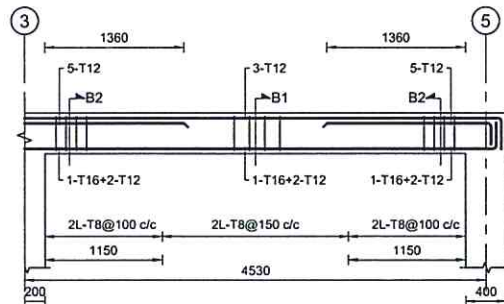
REVISION NO.:

SHEET NO

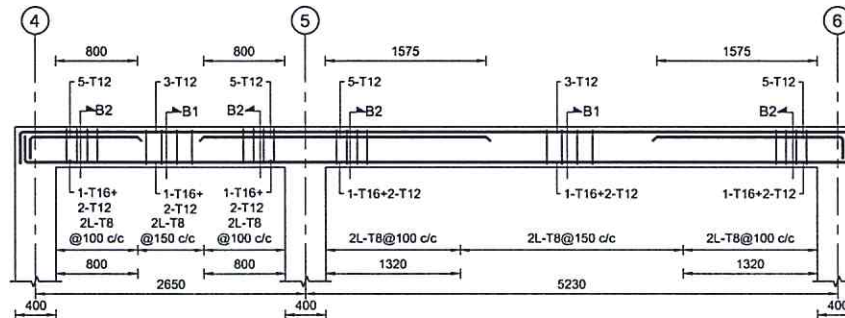
S-112



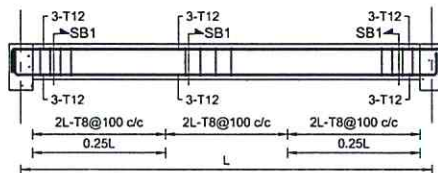
LONGITUDINAL BEAM PROFILE ALONG C-C
FIRST FLOOR LEVEL
SCALE=1:50



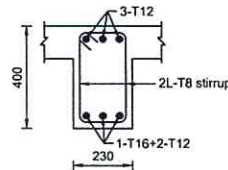
LONGITUDINAL BEAM PROFILE ALONG C-C
FIRST FLOOR LEVEL
SCALE=1:50



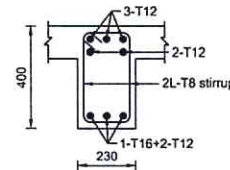
LONGITUDINAL BEAM PROFILE ALONG E-E
FIRST FLOOR LEVEL
SCALE=1:50



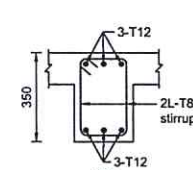
TYPICAL LONGITUDINAL BEAM PROFILE OF
SECONDARY BEAM(SB1)
SCALE=1:50



SECTION AT B1
SCALE=1:20



SECTION AT B2
SCALE=1:20



SECTION AT SB1
SCALE=1:20

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. Aathbiskot -14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
(Pvt.) Ltd. Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR FIRST FLOOR LEVEL &
SECTION, TYPICAL SECONDARY
BEAM PROFILE & SECTION

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
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V		
VI		
VII		
VIII		

CONTRACT NO.:

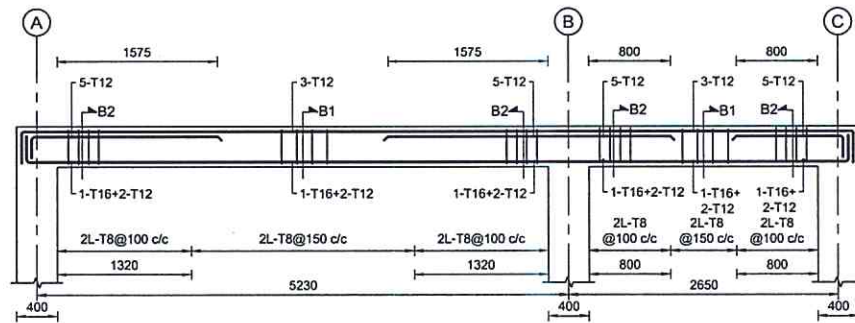
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DATE:

REVISION NO.:

SHEET NO.

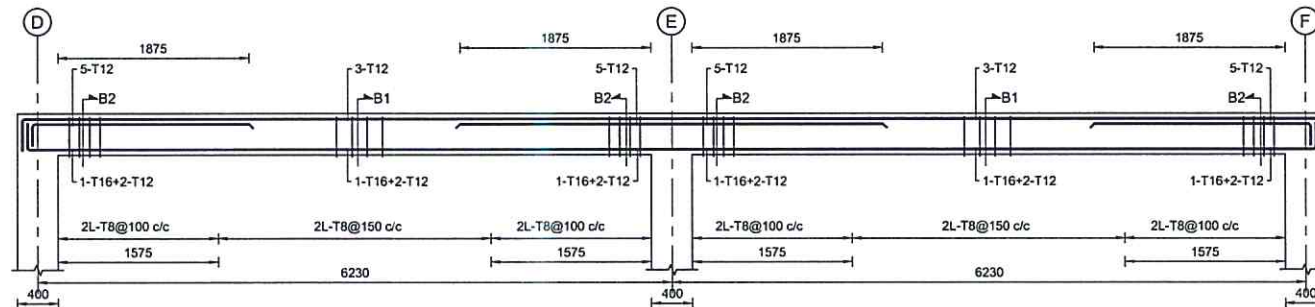
S-113



LONGITUDINAL BEAM PROFILE ALONG 1-1

FIRST FLOOR LEVEL

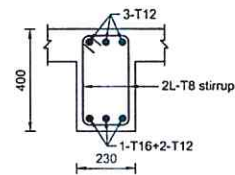
SCALE=1:50



LONGITUDINAL BEAM PROFILE ALONG 5-5

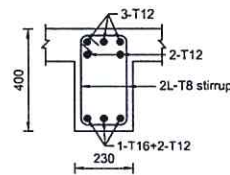
FIRST FLOOR LEVEL

SCALE=1:50



SECTION AT B1

SCALE=1:20



SECTION AT B2

SCALE=1:20

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarok and Rukum West

PROJECT TITLE:

5, Aathibkot -14, Pipalchow, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
UNEP, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR FIRST FLOOR LEVEL &
SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

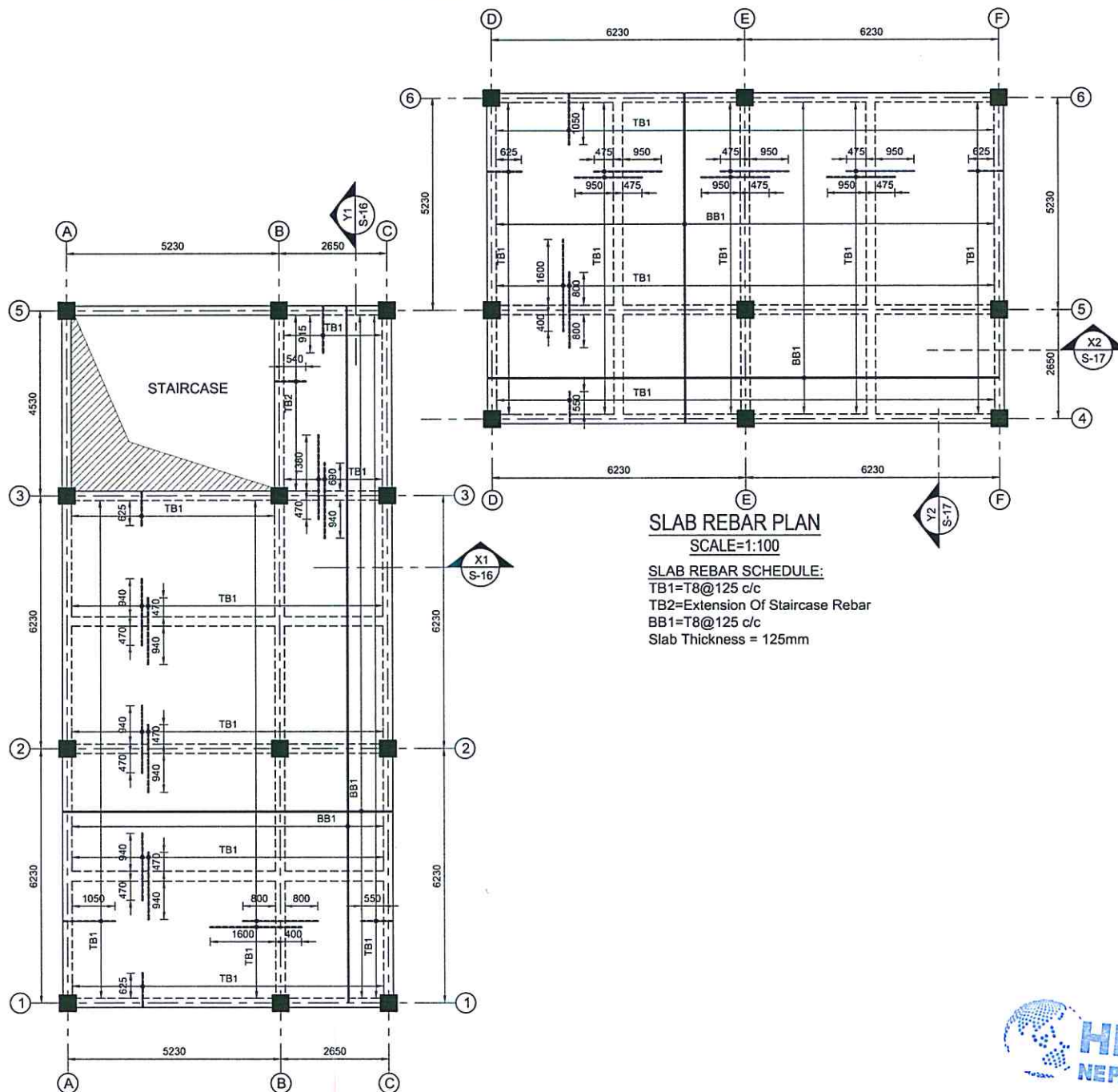
SCALE:

DATE:

REVISION NO.:

SHEET NO.

S-114



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbarkot -14, Pipalkot, Shriyana Basic School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
UNESCO, Lalitpur, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL SLAB REBAR PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VII		
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CONTRACT NO.:

SCALE:

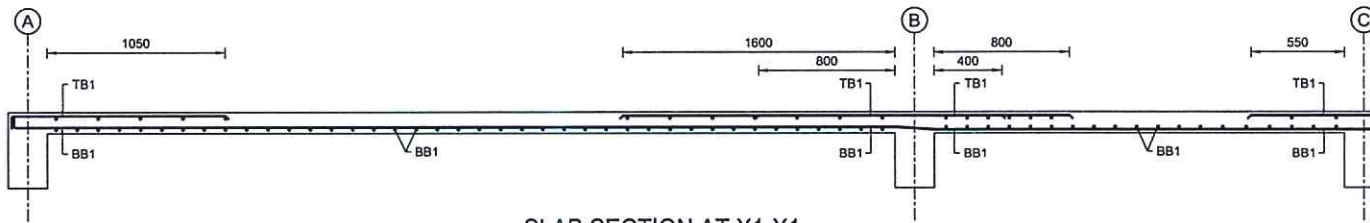
DATE:

REVISION NO.:

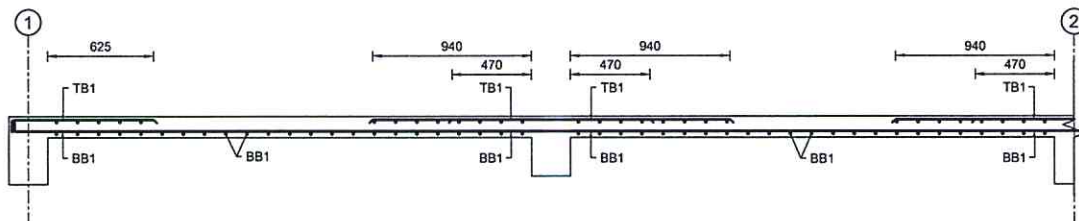
SHEET NO.

S-115

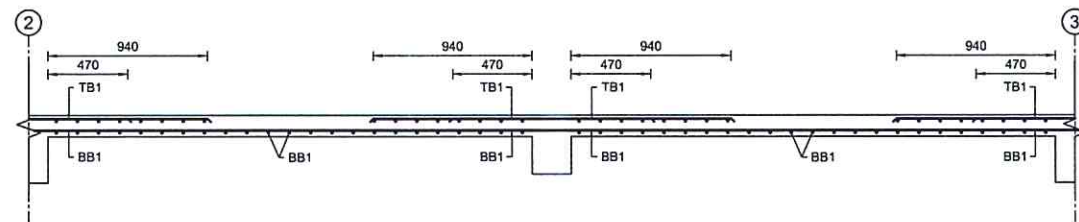




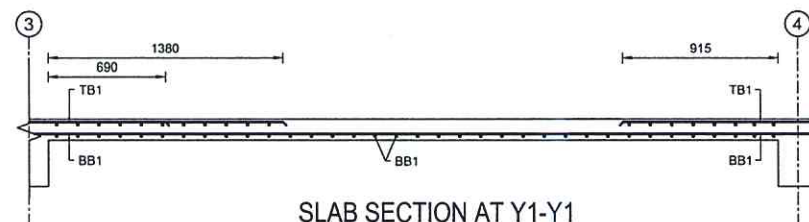
SLAB SECTION AT X1-X1
SCALE=1:30



SLAB SECTION AT Y1-Y1
SCALE=1:30



SLAB SECTION AT Y1-Y1
SCALE=1:30



SLAB SECTION AT Y1-Y1
SCALE=1:30

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathbiskot -14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
P.O. Box 14, Lalitpur, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

SLAB SECTION DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
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CONTRACT NO.:

SCALE:

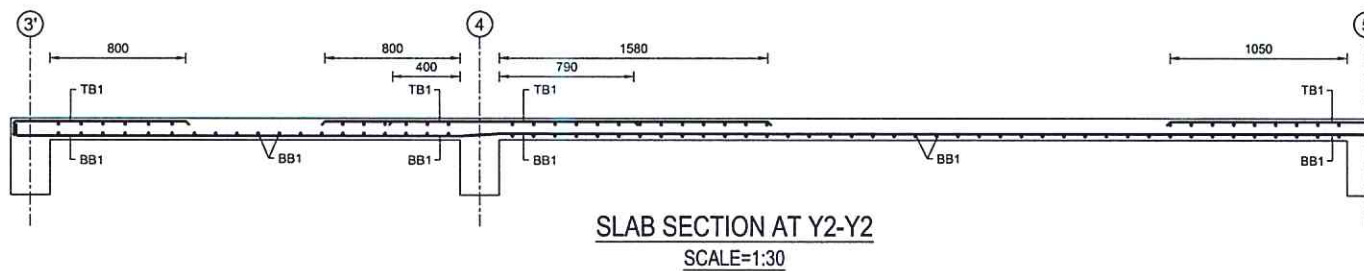
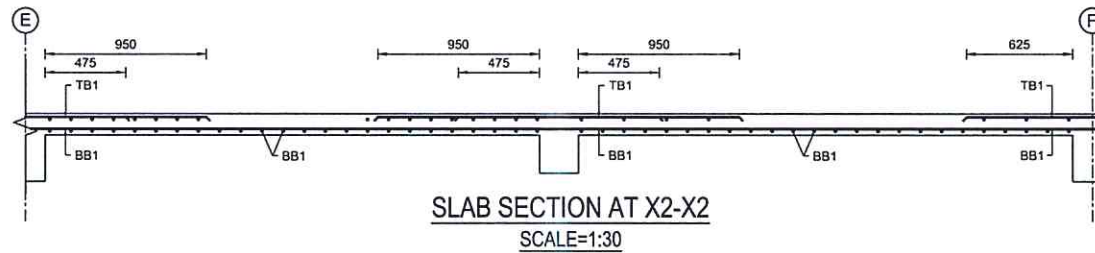
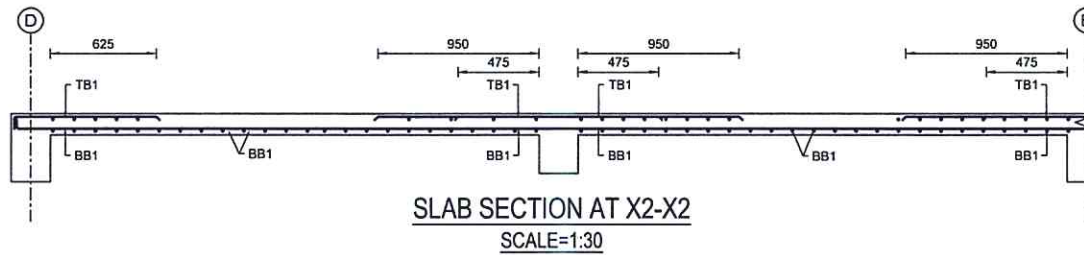
DATE:

REVISION NO.:

SHEET NO.

S-116





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagajhot and Rukum West

PROJECT TITLE:

S. Aarbhikot -14, Piplimour, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
CHINA, TAIWAN, SINGAPORE, LONDON

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

SLAB SECTION DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
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CONTRACT NO.:

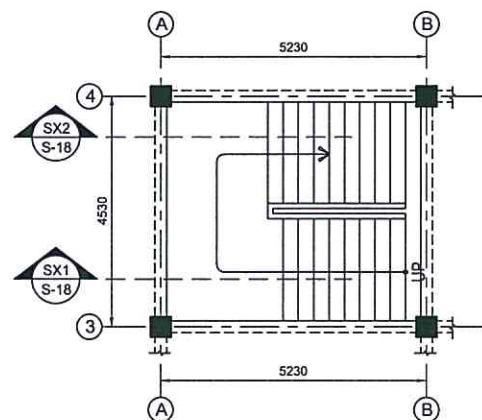
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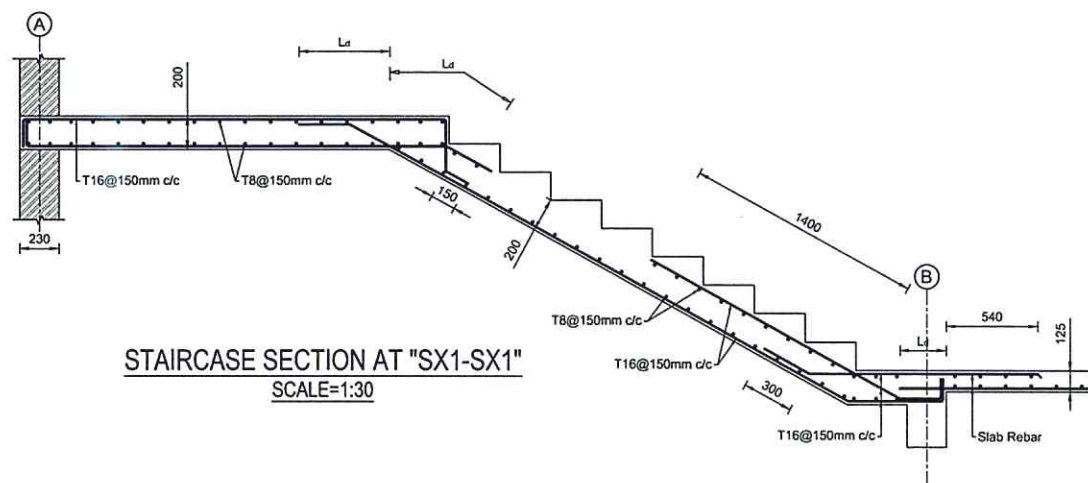
REVISION NO.:

SHEET NO.

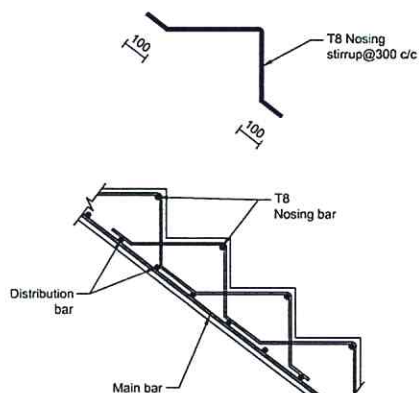
S-117



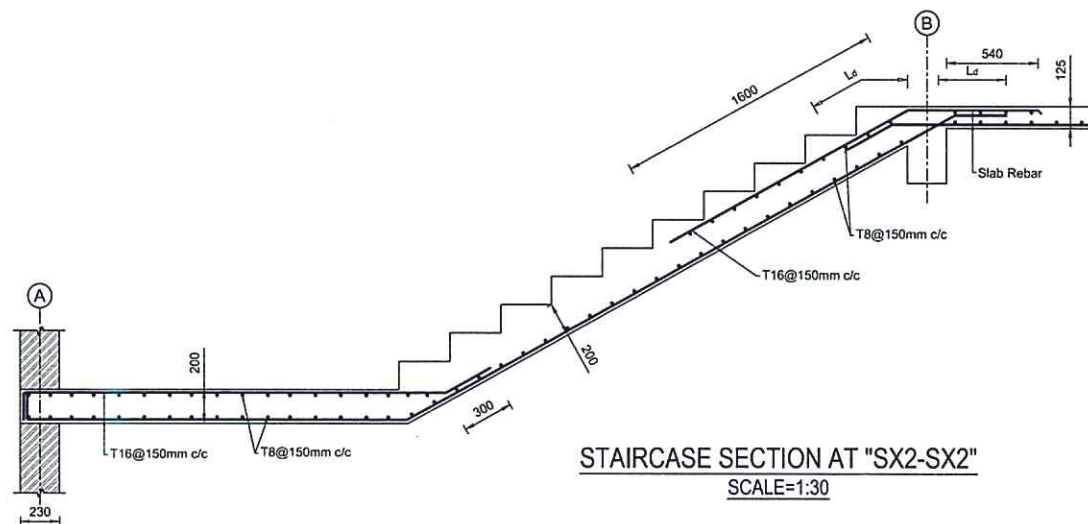
STAIRCASE PLAN
SCALE=1:100



STAIRCASE SECTION AT "SX1-SX1"
SCALE=1:30



NOSING BAR DETAILS
SCALE=1:20



STAIRCASE SECTION AT "SX2-SX2"
SCALE=1:30

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Japahot and Rukum West

PROJECT TITLE:

5. Aatibskot -14, Pipalkot, Shrijana Basic School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
LMD-15, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

STAIRCASE PLAN & SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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VII		
VIII		

CONTRACT NO.:

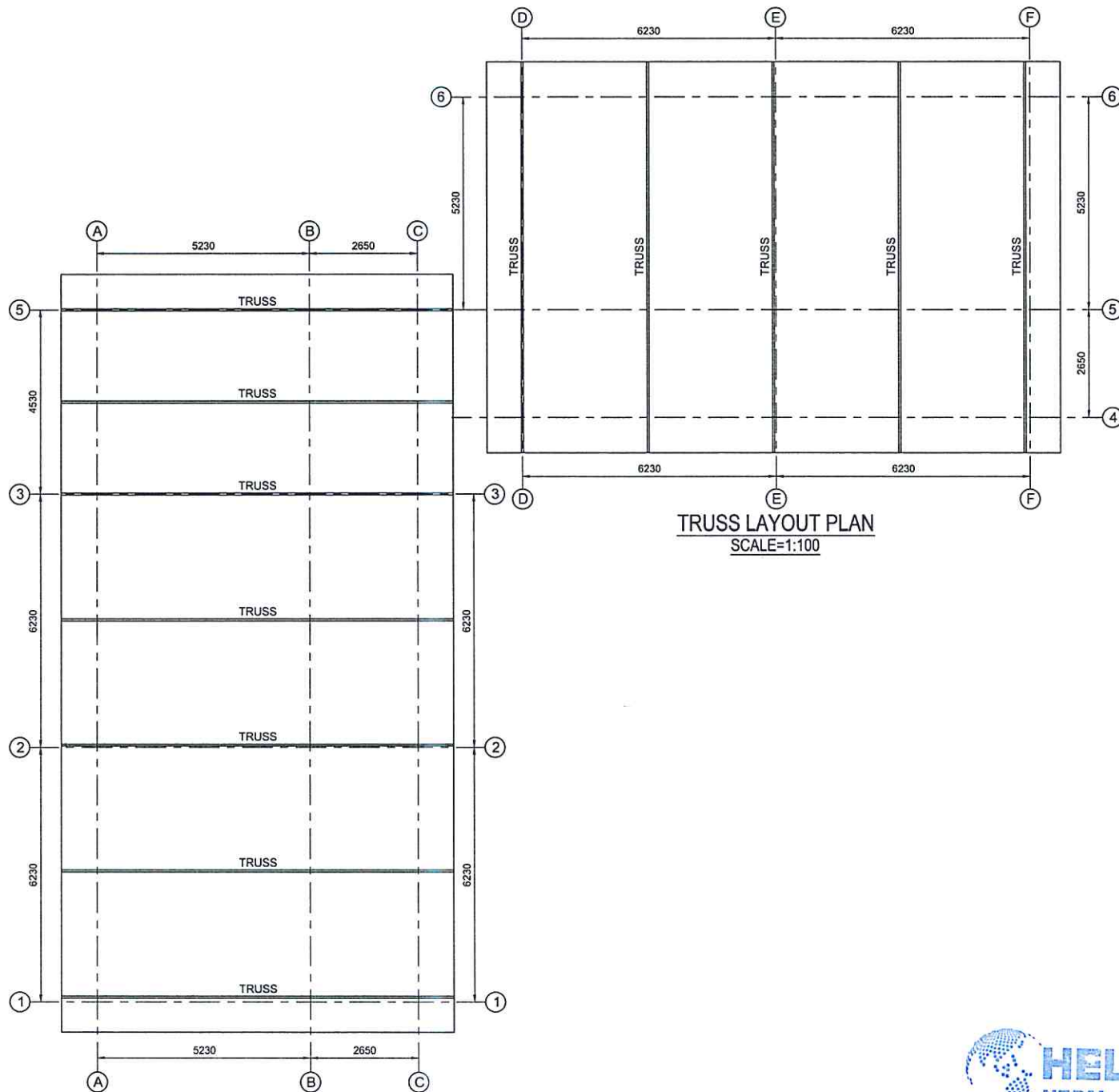
SCALE:

DATE:

REVISION NO.:

SHEET NO

S-118



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Japahot and Rukum West

PROJECT TITLE:

S. Aathbiskot -14, Pipalkhour, Shrijana Basic School

CONSULTANT

A. Not
Architecture N Architects (P.) Ltd.
10/11, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TRUSS LAYOUT PLAN

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

SCALE:

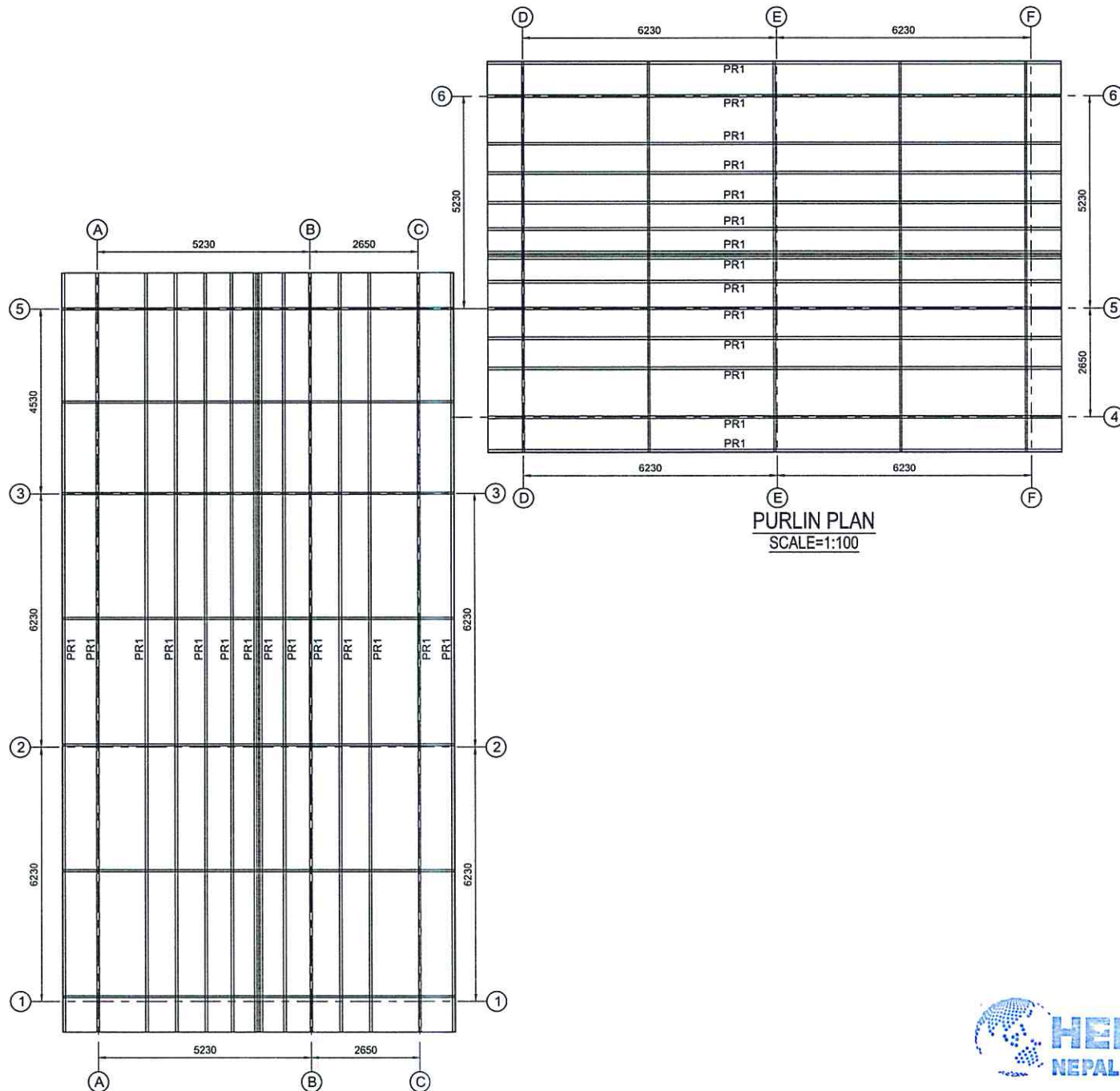
DATE:

REVISION NO.:

SHEET NO

S-119





NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Japant and Rukum West

PROJECT TITLE:

5, Aathbiskot -14, Pipalkhour, Shrijana Basic School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
UNEP, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TRUSS LAYOUT PLAN

REVISIONS:

NUM	DESCRIPTION	DATE
I		
II		
III		
IV		
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VII		
VIII		

CONTRACT NO.:

SCALE:

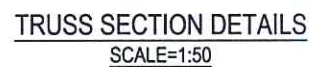
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REVISION NO.:

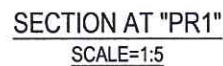
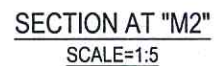
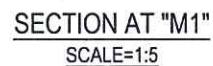
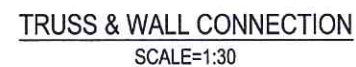
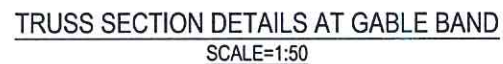
SHEET NO.

S-120





LEGEND:
M1=ISNB 40M
M2=ISNB 32M
PR1= ISNB 50M



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER



CLIENT	
--------	--

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

S. Aathiskot -14, Pipalchour, Shrijana Basic School

CONSULTANT:



PRINCIPAL ARCHITECT:
Damodar Acharya

STRUCTURAL ENGINEER:
BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TRUSS SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE:

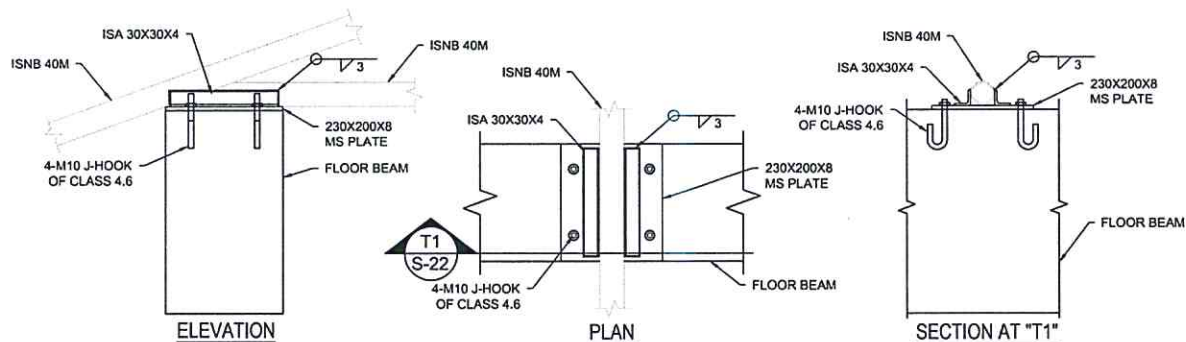
DATE:

REVISION NO.:

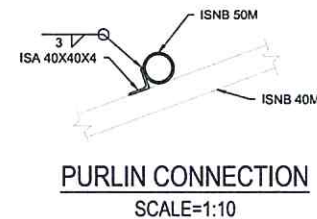
SHEET NO.

S-121

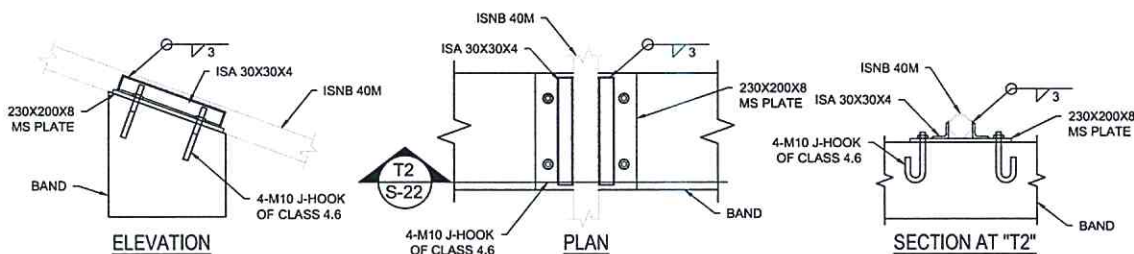




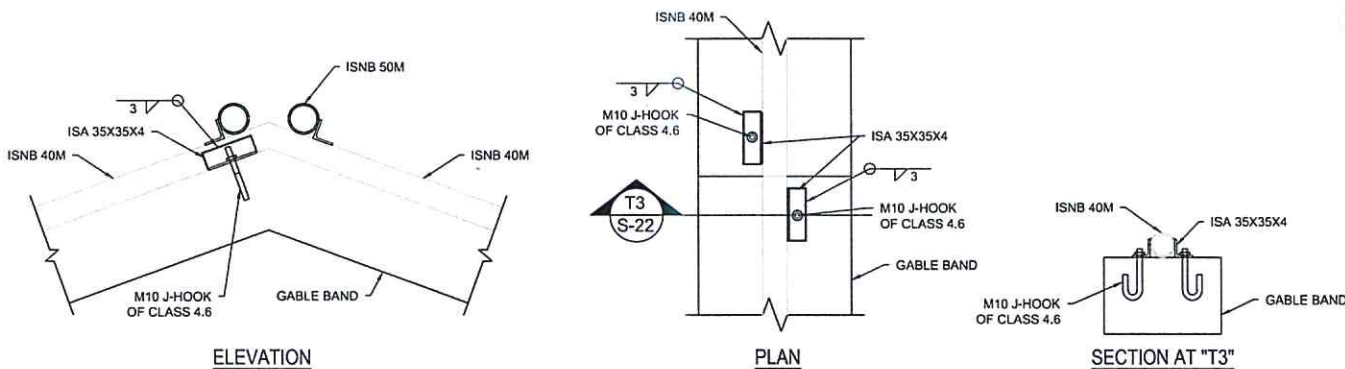
TRUSS & FLOOR BAND CONNECTION
SCALE=1:10



PURLIN CONNECTION
SCALE=1:10



TRUSS & BAND CONNECTION
SCALE=1:10



TRUSS & GABLE BAND CONNECTION
SCALE=1:10

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.



CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagadai and Rukum West

PROJECT TITLE:

6. Ashitahat-14, Panchthar, Shrijana Basu School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
UN-46, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

BIPIN K. GAUTAM
(NEC- 6948 "CIVIL" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL CONNECTION DETAILS

REVISIONS:

NO.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

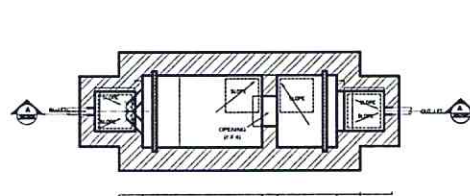
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DATE:

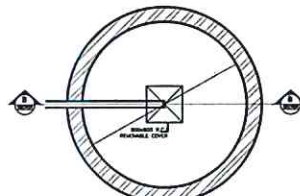
REVISION NO.:

SHEET NO.

S-122

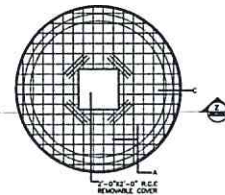


PLAN OF SEPTIC TANK

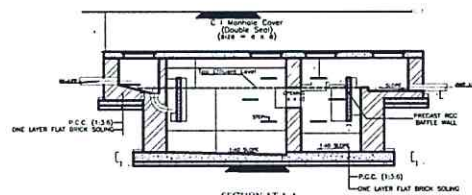


PLAN OF SOAK PIT

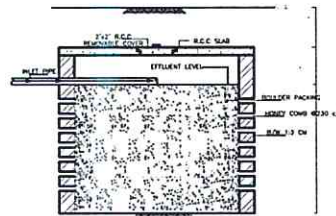
a: 2" or 50mm
b: 3" or 75mm
c: 6" or 150mm
d: 1'-6" or 450mm
e: 2'-0" or 600mm
f: 2'-6" or 750mm



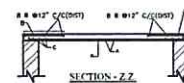
PLAN OF SOAK PIT COVER SLAB
PLAN OF BOTTOM REINFORCEMENT



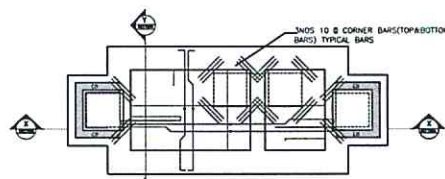
SECTION AT A-A



SECTION B-B



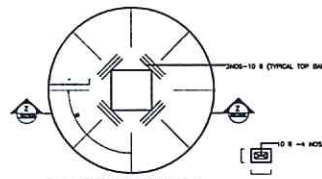
SECTION Z-Z



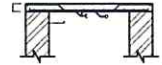
PLAN OF SEPTIC TANK
REINFORCEMENT DETAIL OF SEPTIC TANK COVER SLAB



SECTION AT X-X



PLAN OF SOAK PIT COVER SLAB
PLAN OF TOP REINFORCEMENT



SECTION AT Y-Y

SCHEDULE OF REINFORCEMENT DETAIL (SEPTIC TANK)

SEPTIC TANK NO.	SLAB TH (in)	REINFORCEMENT		
		D	E	F
1, 2, 3	4"	8 @ 6" C/C	8 @ 8" C/C	8 @ 16" C/C
4, 5, 6	4 1/2"	8 @ 6" C/C	8 @ 8" C/C	8 @ 16" C/C
7, 8	4 1/2"	10 @ 6" C/C	8 @ 8" C/C	8 @ 16" C/C
9	5"	10 @ 5" C/C	8 @ 8" C/C	8 @ 12" C/C

SCHEDULE OF REINFORCEMENT DETAIL (SOAK PIT)

SOAK PIT NO.	SLAB TH (in)	REINFORCEMENT		
		A	B	C
1, 2, 3	4 1/2"	8 @ 6" C/C	8 @ 12" C/C	3-8 @ 4" C/C
4, 5, 6	5"	10 @ 6" C/C	10 @ 12" C/C	3-10 @ 4" C/C
7, 8	6"	10 @ 6" C/C	10 @ 12" C/C	3-10 @ 4" C/C
9	6 1/2"	12 @ 6" C/C	12 @ 12" C/C	4-10 @ 4" C/C

SCHEDULE OF SEPTIC TANK

No of Users	Septic Tank No.	L1	L2	W	EL.	No. & Type of Soak Pit
Up to 5	S T - 1	4'-0"	3'-0"	3'-0"	0.90m	1 X S P - 1
Up to 10	S T - 2	5'-0"	3'-0"	3'-3"	1.00m	1 X S P - 2
Up to 15	S T - 3	6'-0"	3'-0"	4'-0"	1.00m	1 X S P - 3
Up to 20	S T - 4	7'-0"	3'-0"	4'-6"	1.00m	1 X S P - 4
Up to 30	S T - 5	8'-0"	4'-0"	4'-6"	1.00m	1 X S P - 5
Up to 50	S T - 6	8'-8"	4'-3"	6'-0"	1.30m	1 X S P - 6
Up to 100	S T - 7	13'-0"	6'-8"	6'-0"	1.80m	2 X S P - 6
Up to 150	S T - 8	15'-0"	7'-8"	6'-3"	1.80m	3 X S P - 6
Up to 200	S T - 9	18'-8"	8'-8"	6'-0"	1.80m	4 X S P - 6
Up to 300	S T - 10	23'-0"	11'-8"	6'-6"	2.00m	6 X S P - 6

SCHEDULE OF SOAK PIT

Soak Pit No.	Diameter D	Depth H	Wall Thickness T
S P - 1	3'-0"	6'-6"	9"
S P - 2	4'-0"	6'-6"	9"
S P - 3	5'-0"	6'-6"	9"
S P - 4	6'-0"	6'-6"	14"
S P - 5	8'-0"	6'-6"	14"
S P - 6	10'-0"	6'-6"	14"

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. Shreejana B. School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
100/11, Tinkhola, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

SEPTIC TANK & SOAKPIT
DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

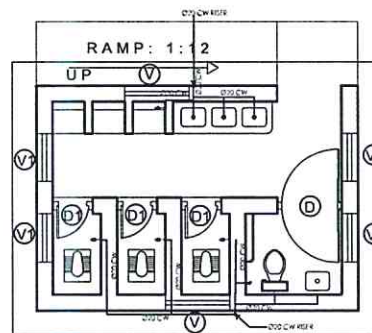
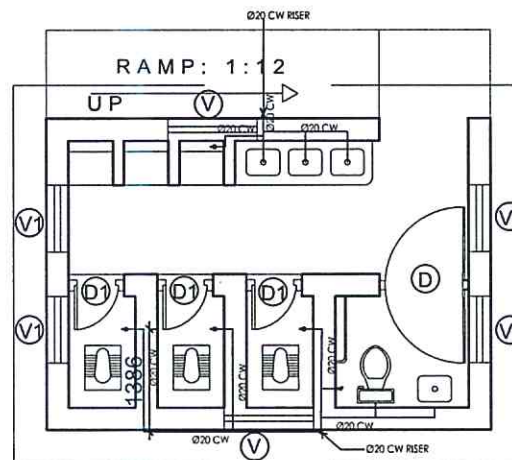
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.:

SHEET NO.

P-101



TYPICAL GIRLS TOILET

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. Shreejana B. School

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
CHC-11, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

WATER SUPPLY LAYOUT

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

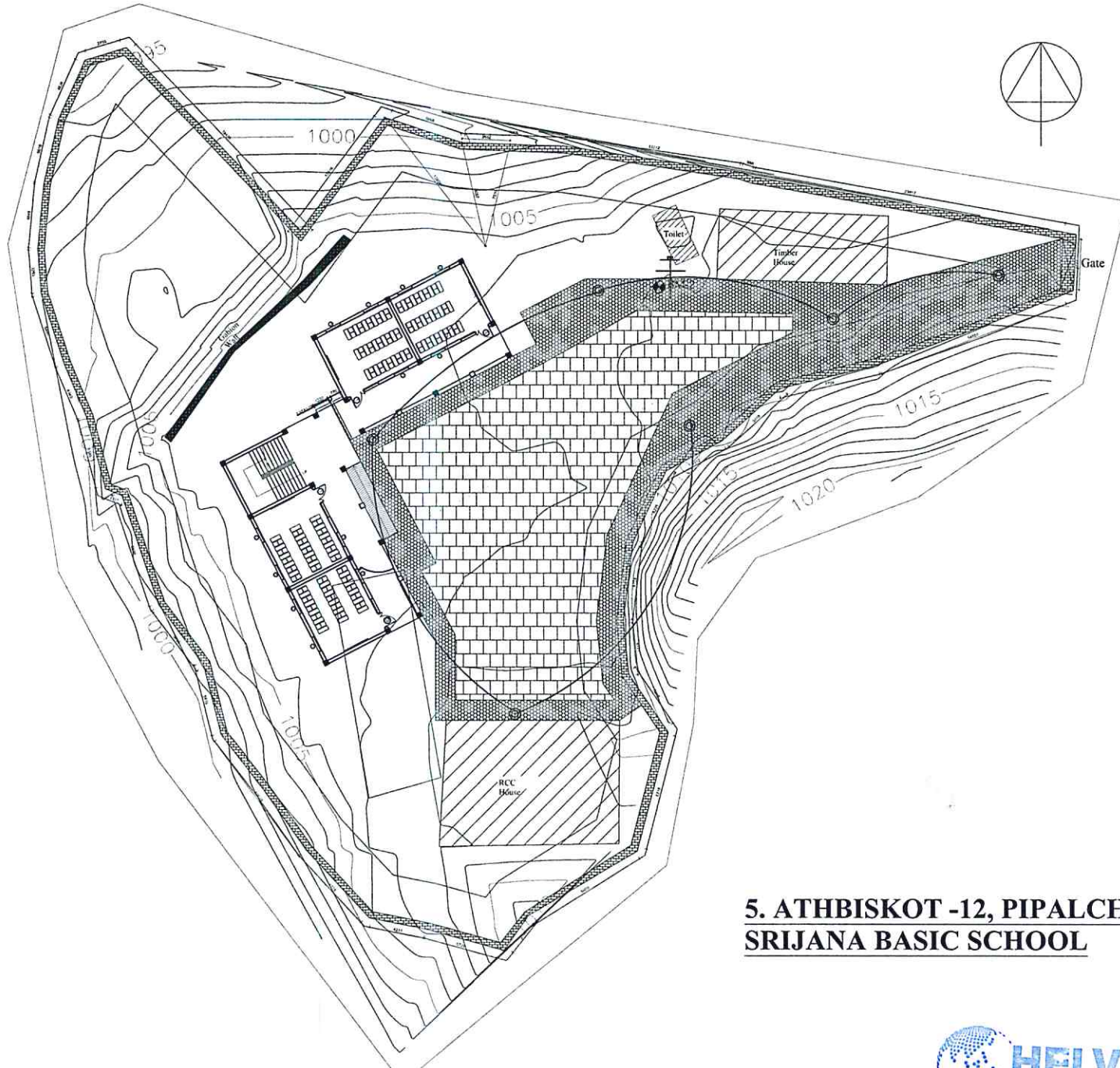
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DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

P-102



5. ATHBISKOT -12, PIPALCHOUR: SRIJANA BASIC SCHOOL

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jagarkot and Rukum West

PROJECT TITLE:

**5. ATHBISKOT -12, PIPALCHOUR:
SRIJANA BASIC SCHOOL**

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
P.O. Box 13, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 950 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

ELECTRICAL MASTERPLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE 1:300

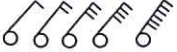
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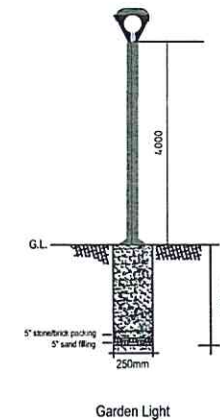
REVISION NO.: REVISION I

SHEET NO

E-101

ELECTRICAL LEGENDS

S.N.	SYMBOL	DESCRIPTION OF THE SYMBOLS
1		1x40 WATT TUBE LIGHT FIXTURE
2		DOWN LIGHTER WITH 12 WATT LED LAMP
3		CEILING FAN
4		1,2,3,4,6 GANG SINGLE POLE SWITCH
5		MAIN PANEL / DISTRIBUTION BOARD
6		SUB DISTRIBUTION BOARD
7		15 AMP 3PIN POWER OUTLET
10		GARDEN LIGHT



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. ATHBISKOT -12, PIPALCHOUR;
SRIJANA BASIC SCHOOL

CONSULTANT:

 **A. Not**
Architecture N Architects (P.) Ltd.
LIFE IS TECHNOLOGY, INNOVATION, LEARNING

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC-960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

LEGEND AND DETAIL

REVISIONS:

NUM	DESCRIPTION	DATE
I		
II		
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IV		
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VII		
VIII		

CONTRACT NO.:

SCALE:

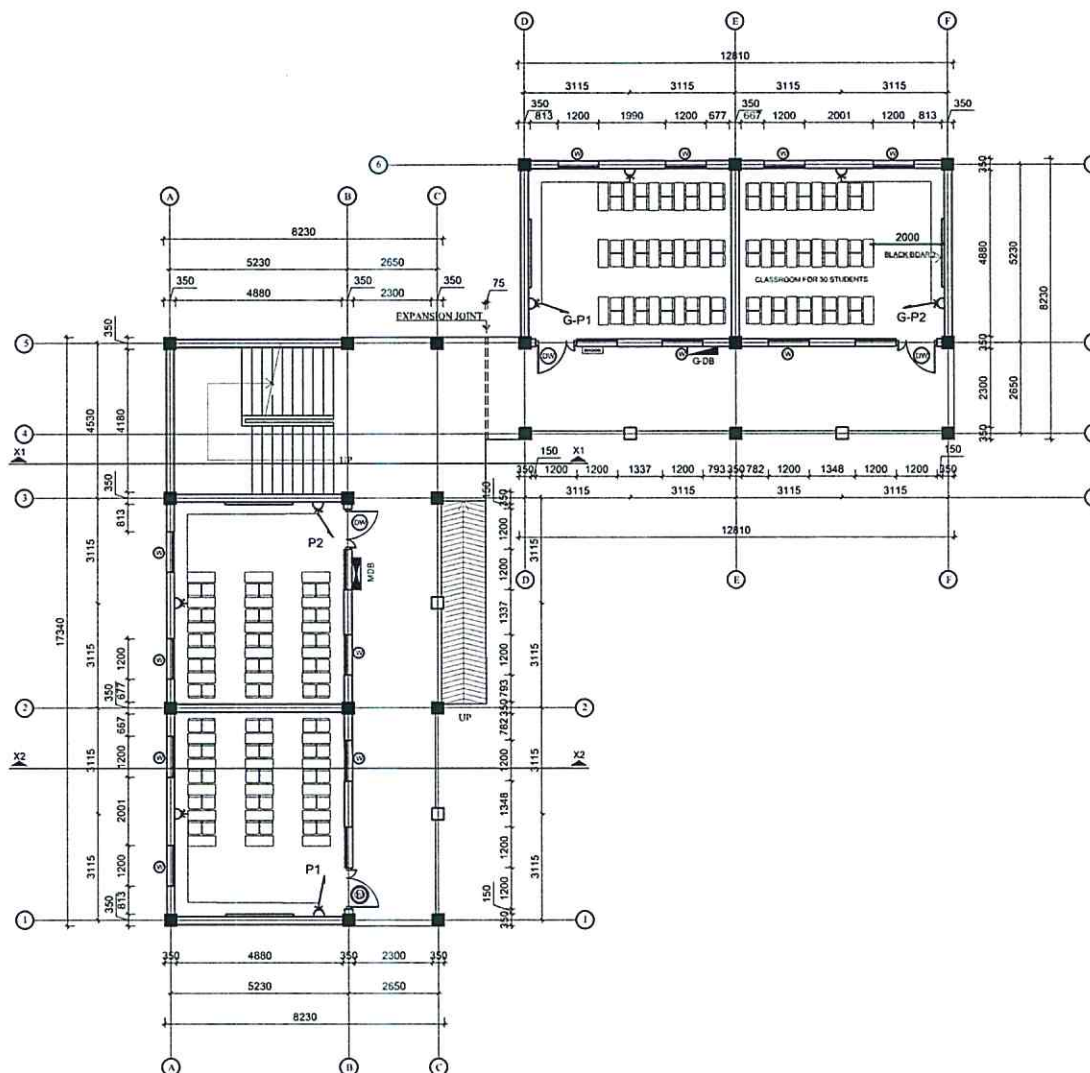
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO

E-102





GROUND FLOOR PLAN
FLOOR AREA: 168.256 sq.m
CORRIDOR AREA: 86.578 sq.m

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. ATHBISKOT -12, PIPALCHOUR:
SRIJANA BASIC SCHOOL

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
(PVT.) LTD. (NEC-415 "Architecture" "A")

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

GROUND FLOOR PLAN
POWER SUPPLY PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
V		
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VII		
VIII		

CONTRACT NO.:

SCALE: 1:150

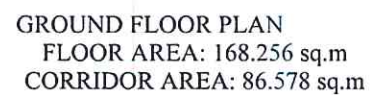
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REVISION NO.: REVISION I

SHEET NO.

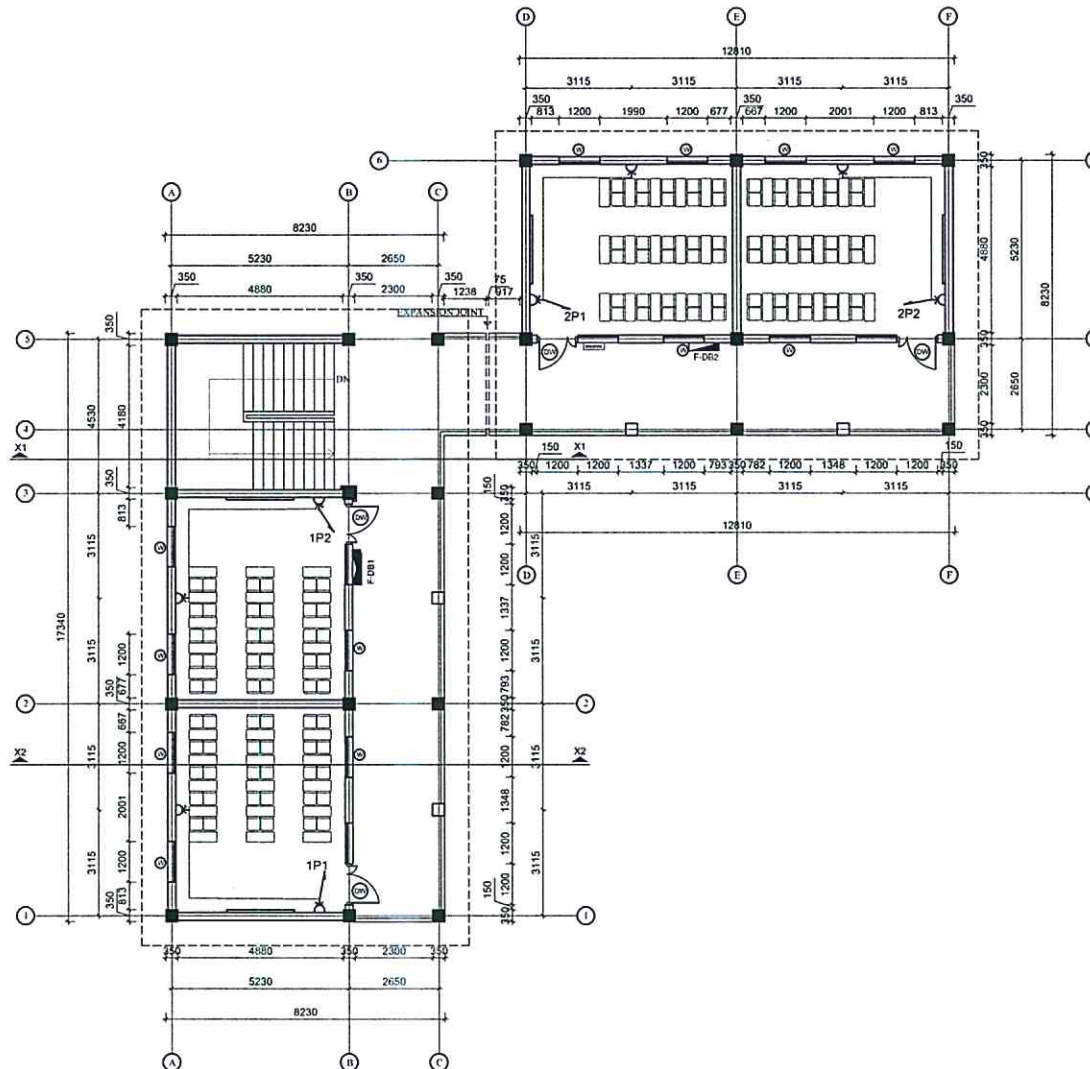
HELVETAS
NEPAL

E-103



E-104





FIRST FLOOR PLAN
 FLOOR AREA: 148.361 sq.m
 CORRIDOR AREA: 86.578 sq.m

NOTE:
 1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 DRAWINGS SHALL NOT BE MEASURED.
 2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
 TO THE SITE ENGINEER

CLIENT:

HELVETAS
 NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
 and Health Posts Building
 in Japkot and Rukum West

PROJECT TITLE:

5. ATHBISKOT-12, PIPALCHOUR:
 SRIJANA BASIC SCHOOL

CONSULTANT:

A. Not
 Architecture N Architects(P.) Ltd.
 (PVT.) LTD.

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
 (NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
 (NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

FIRST FLOOR PLAN
 POWER SUPPLY PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

SCALE: 1:150

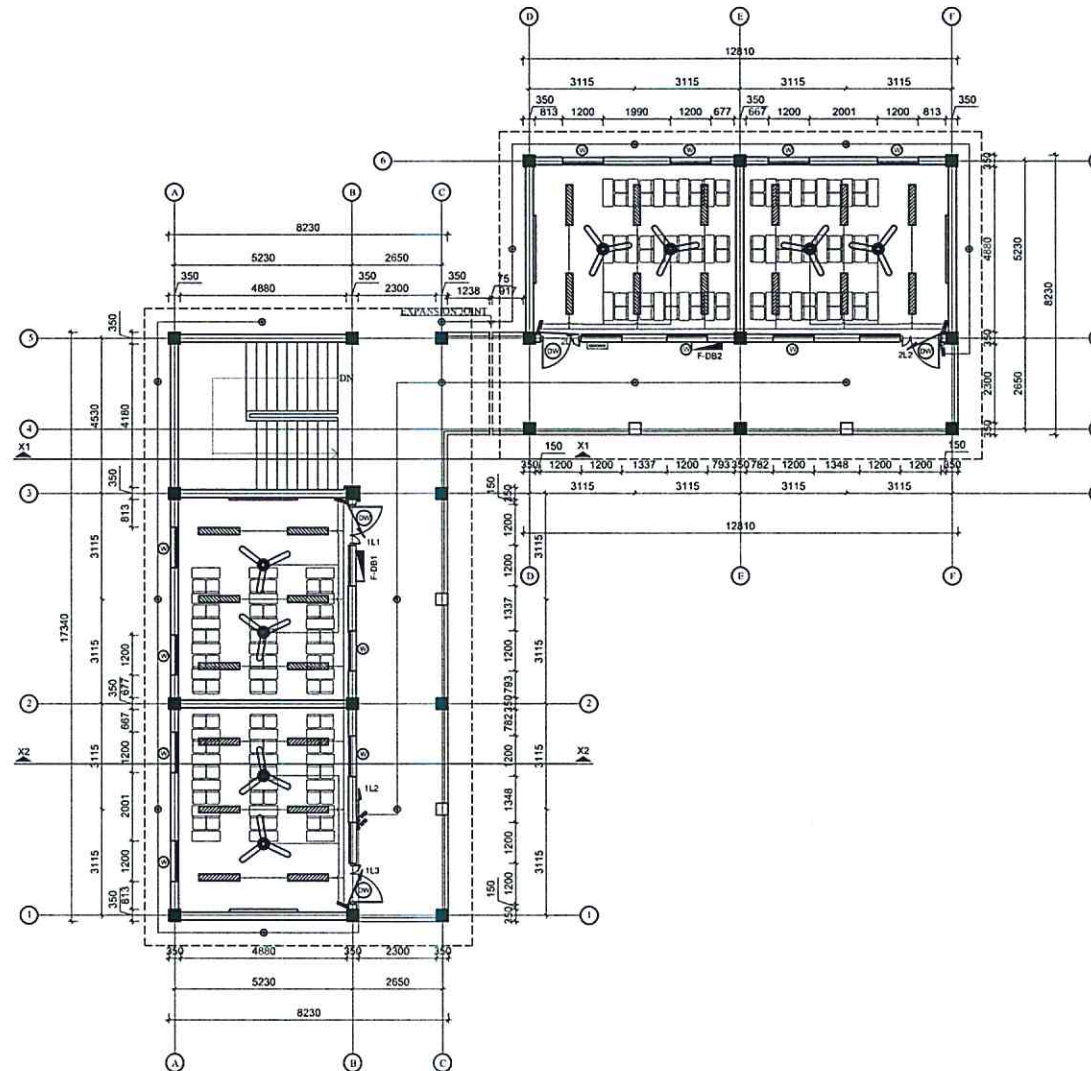
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-105





FIRST FLOOR PLAN
FLOOR AREA: 148.361 sq.m
CORRIDOR AREA: 86.578 sq.m

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. ATHBISKOT -12, PIPALCHOUR:
SRIJANA BASIC SCHOOL

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
UNEP, 101, THERAPY, BANGKOK, THAILAND

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

FIRST FLOOR PLAN
LIGHT PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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CONTRACT NO.:

SCALE: 1:150

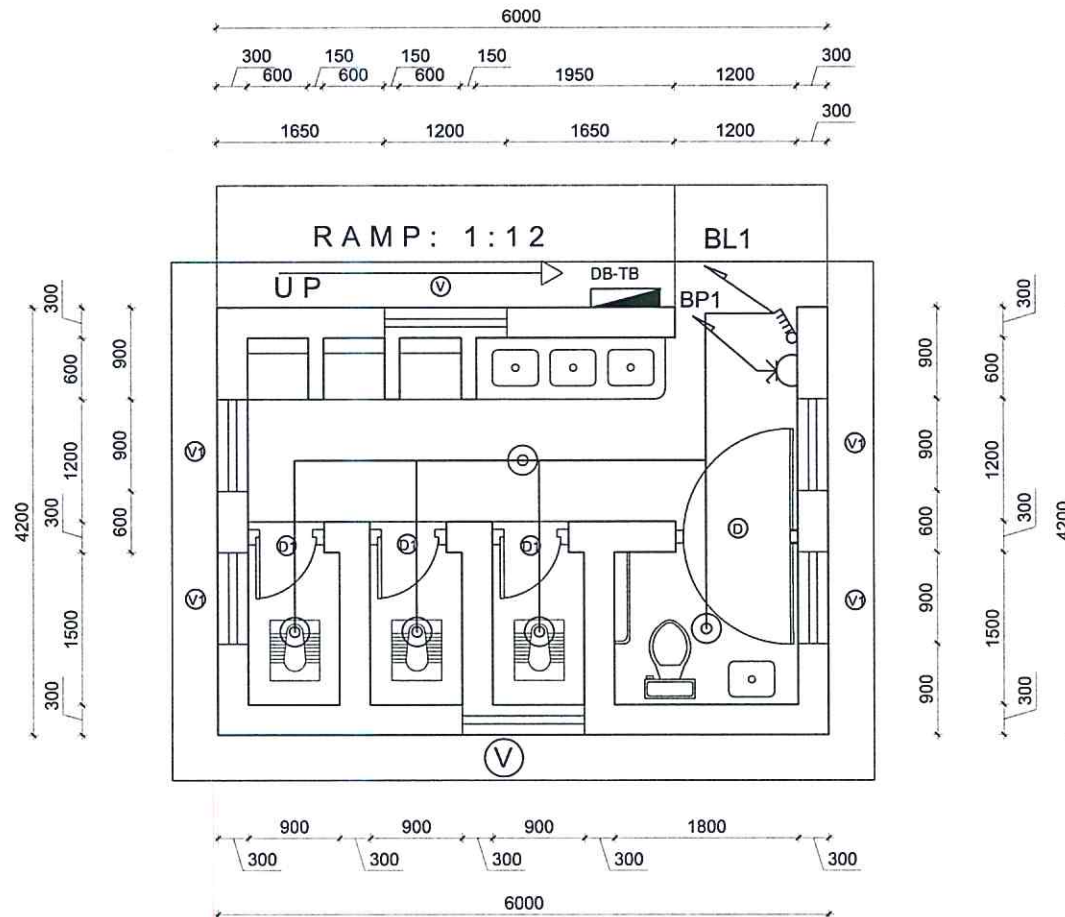
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

HELVETAS
NEPAL

E-106



TYPICAL BOYS TOILET

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER.

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. ATHBISKOT -12, PIPALCHOUR:
SRIJANA BASIC SCHOOL

CONSULTANT:

A. Not
Architecture: N Architects(P.) Ltd.
LPO: 13, TAPLEJUNG, TAPLEJUNG, LPO: 13

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL BOYS TOILET
POWER SUPPLY AND LIGHT PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

SCALE: 1:50

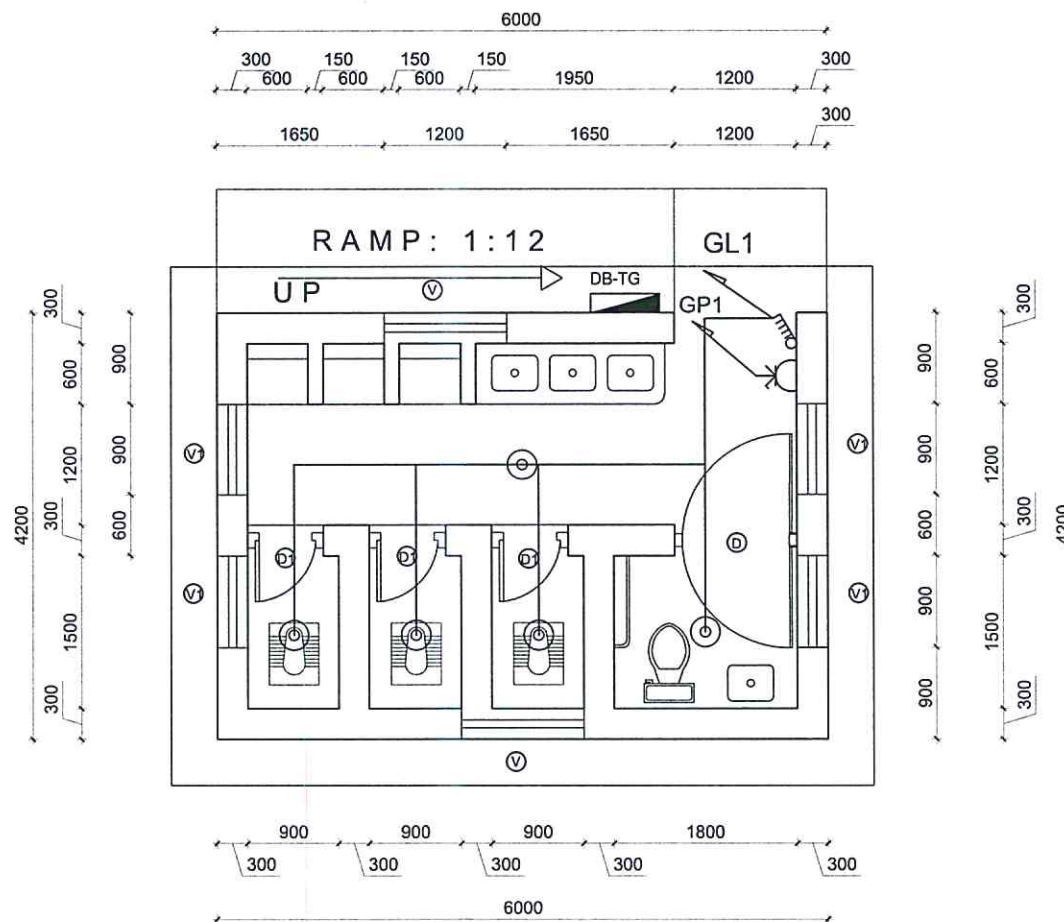
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-107





TYPICAL GIRLS TOILET

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:

HELVETAS
NEPAL

PROJECT:

Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:

5. ATHBISKOT -12, PIPALCHOUR:
SRIJANA BASIC SCHOOL

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
UNEP, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER

LILA RAJ GAUTAM
(NEC-960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL GIRLS TOILET
POWER SUPPLY AND LIGHT PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
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VII		
VIII		

CONTRACT NO.:

SCALE: 1:50

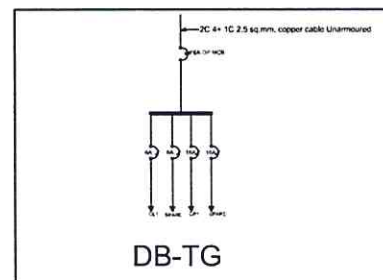
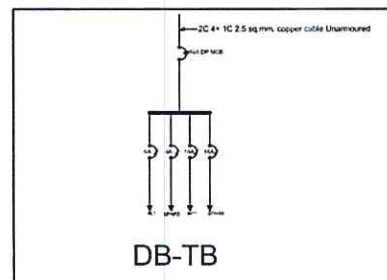
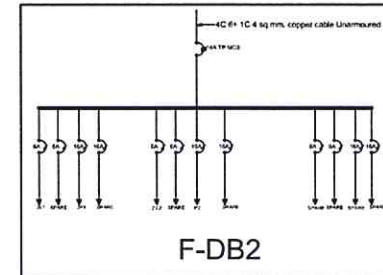
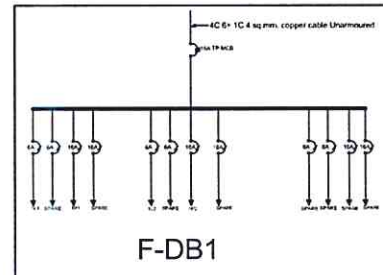
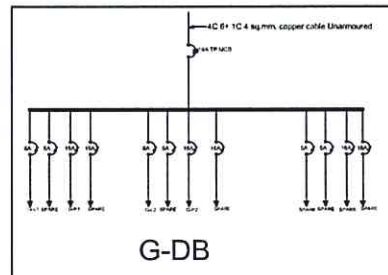
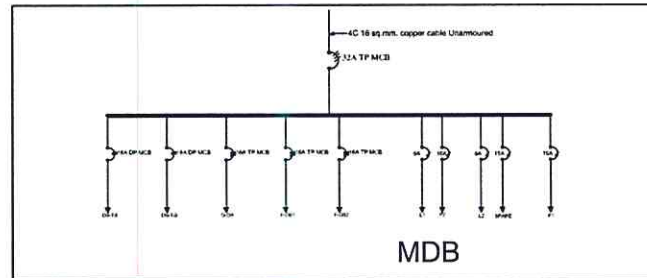
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

HELVETAS
NEPAL

E-108



NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
DRAWINGS SHALL NOT BE MEASURED.
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TO THE SITE ENGINEER

CLIENT:
HELVETAS
NEPAL

PROJECT:
Detailed Engineering Design of School Buildings
and Health Posts Building
in Jajarkot and Rukum West

PROJECT TITLE:
5. ATHBISKOT -12, PIPALCHOUR:
SRIJANA BASIC SCHOOL

CONSULTANT:
A. Not
Architecture N Architects(P.) Ltd.
LPC, EN, T, S, R, E, C, A, S, I, O, N

PRINCIPAL ARCHITECT:
DAMODAR ACHARYA
(NEC-415 "Architecture" "A")

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 960 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:
SINGLE LINE DIAGRAM
MDB G-DB
F-DB1, F-DB2
DB-TB DB-TG

REVISIONS:		
NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE:

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-109

