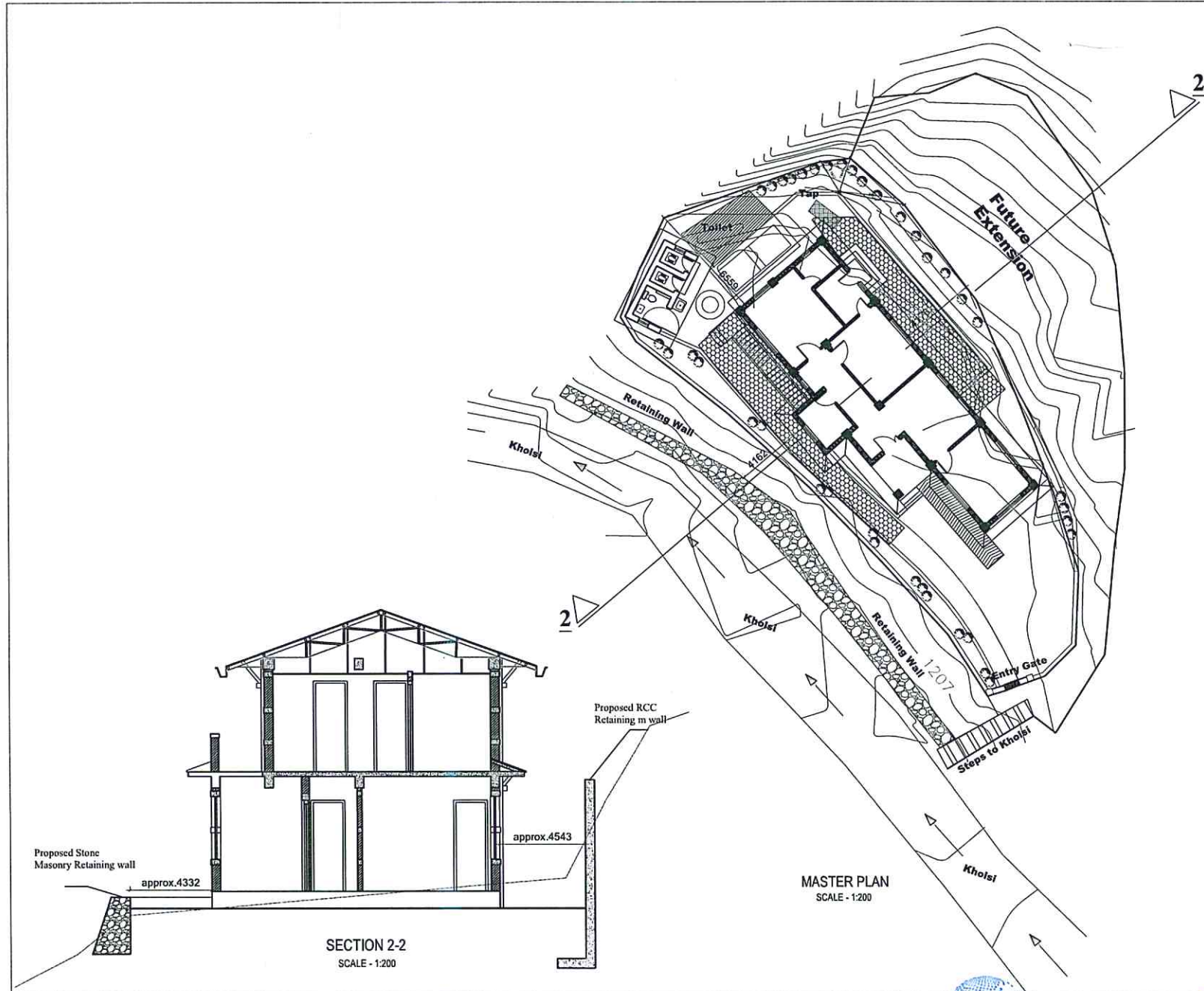


Drawings:

Arma Health Post,
Sanibheri-11, Arma, Rukum West

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

N
N

CLIENT:
HELVETAS
NEPAL

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

PROJECT TITLE:
2. Arma Health Post, Sanli Veri

CONSULTANT:
A. Not
Architecture & Interiors (P.) Ltd.
(MC-18, Kathmandu, Nepal)

PRINCIPAL ARCHITECT:
Damodar Acharya

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

REVIEWED BY:

DRAWING TITLE:
MASTER PLAN

REVISIONS:

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

CONTRACT NO.:

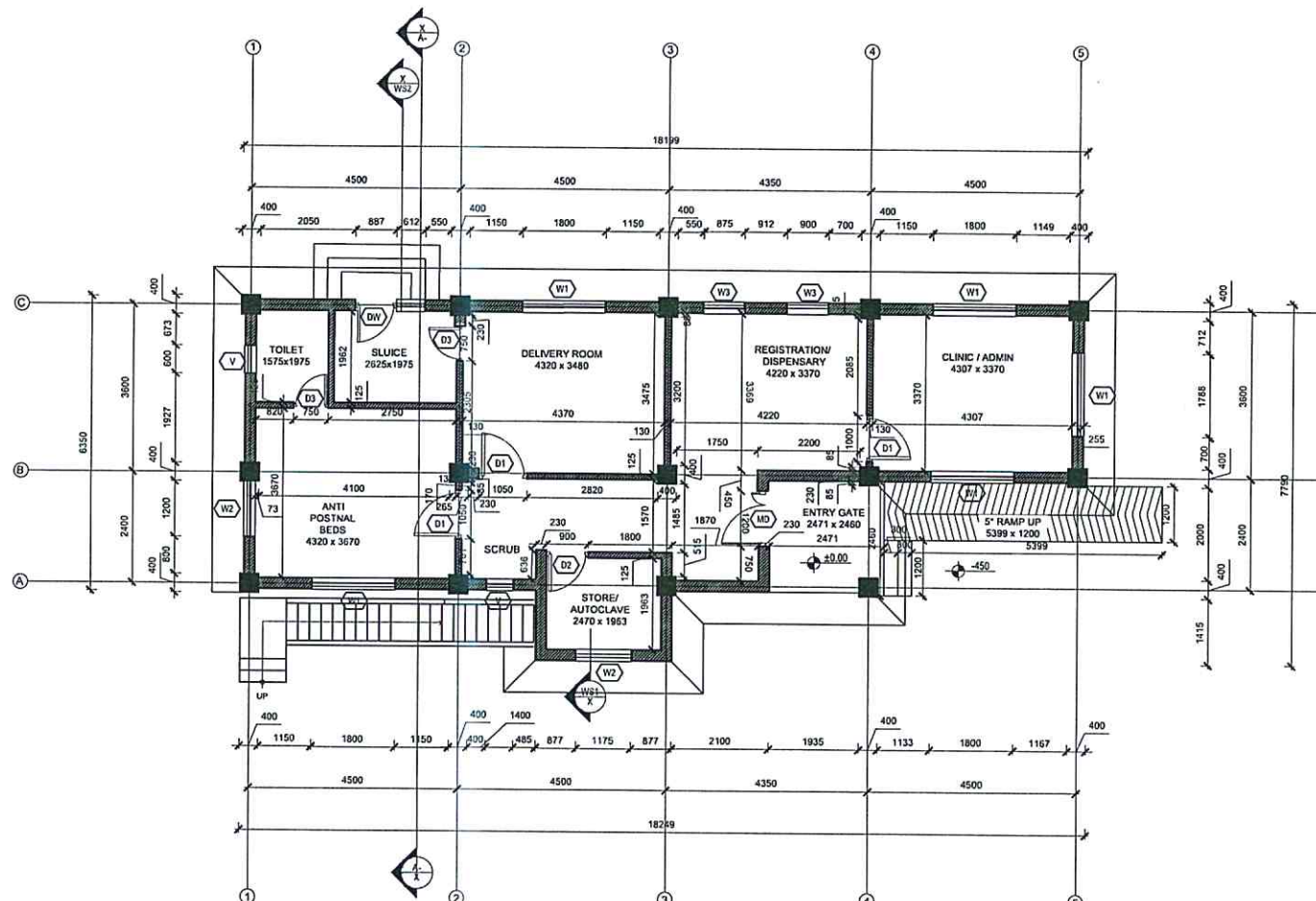
SCALE: AS SPECIFIED

DATE: 12 NOV, 2024

REVISION NO.: REVISION_NO.

SHEET NO.

A-101



GROUND FLOOR PLAN
FLOOR AREA : 106.63 SQ.M

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
2. DRAWINGS SHALL NOT BE MEASURED.
3. 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:

2. Arma Health Post, Sani Veta

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidda Shakya
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhursyaki

REVIEWED BY:

DRAWING TITLE:

FLOOR PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

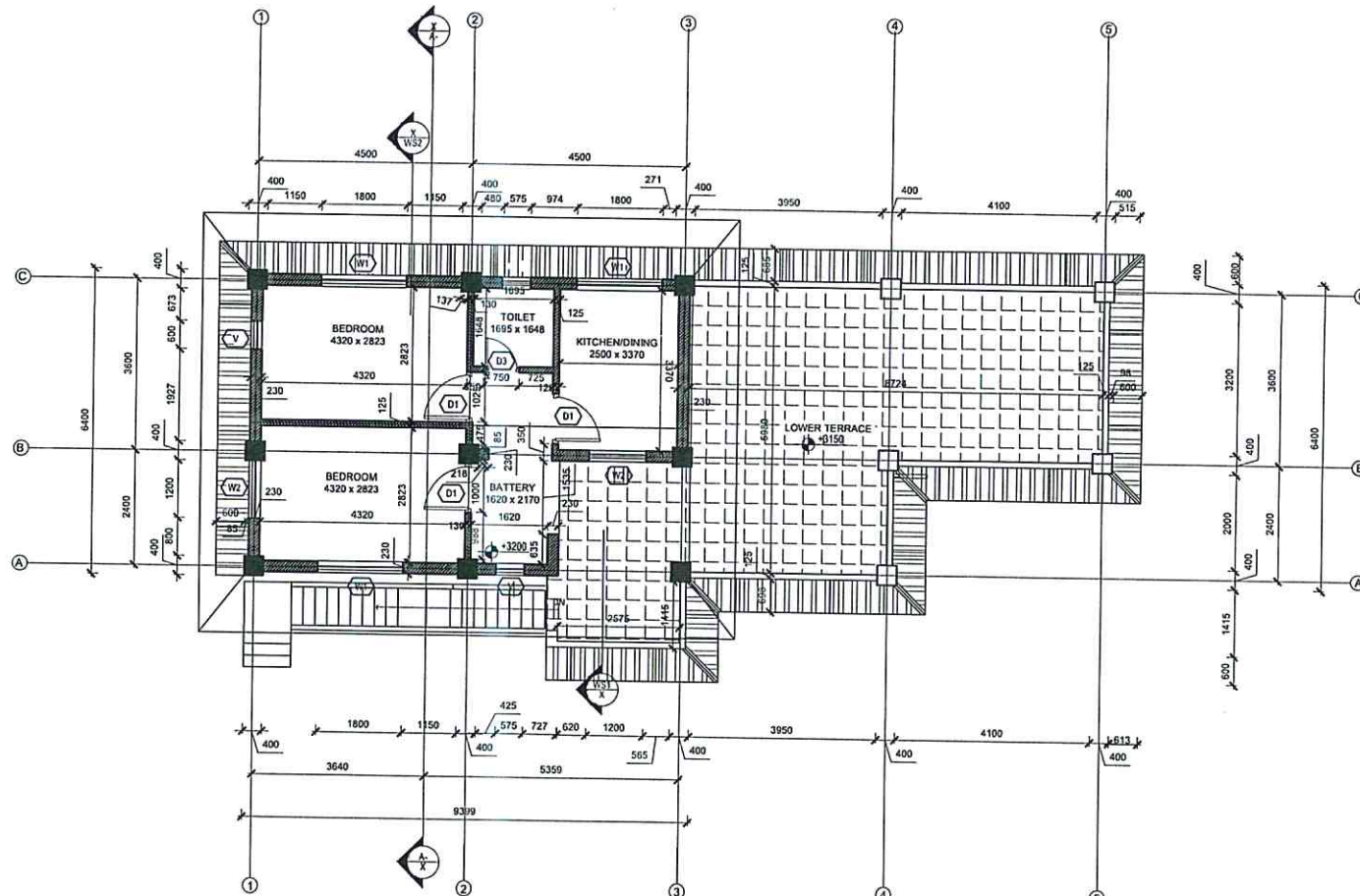
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

A-102





FIRST FLOOR PLAN

FLOOR AREA : 106.63 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:

2. Arma Health Post, Sanku Ven

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(PVT) LTD. Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Mahajan
Bidita Shakya
Raj Krishna Tamakhu
Pratima Mahajan
Anish Chhusyati

REVIEWED BY:

DRAWING TITLE:

FLOOR PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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CONTRACT NO.:

SCALE AS SPECIFIED

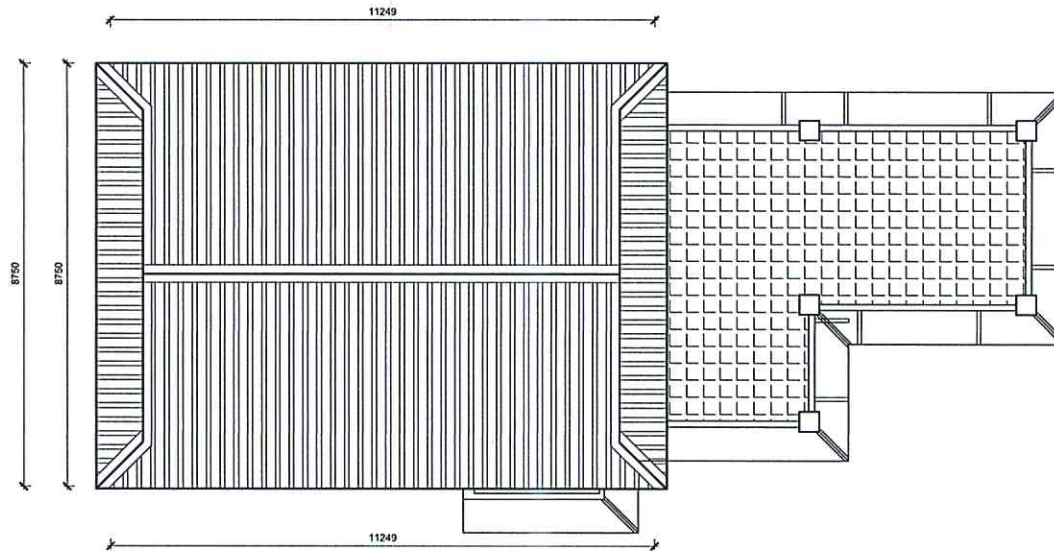
DATE: 12 NOV, 2024

REVISION NO. REVISION NO.

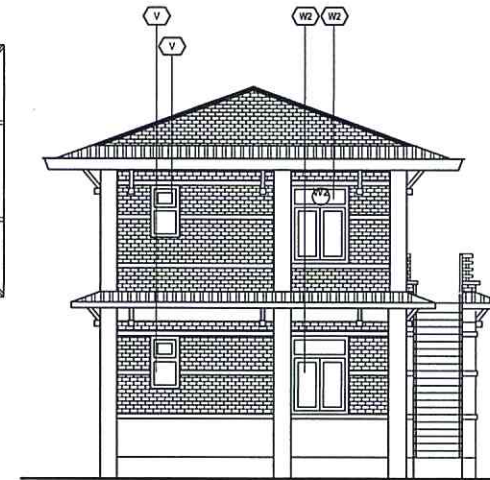
SHEET NO.

A-103

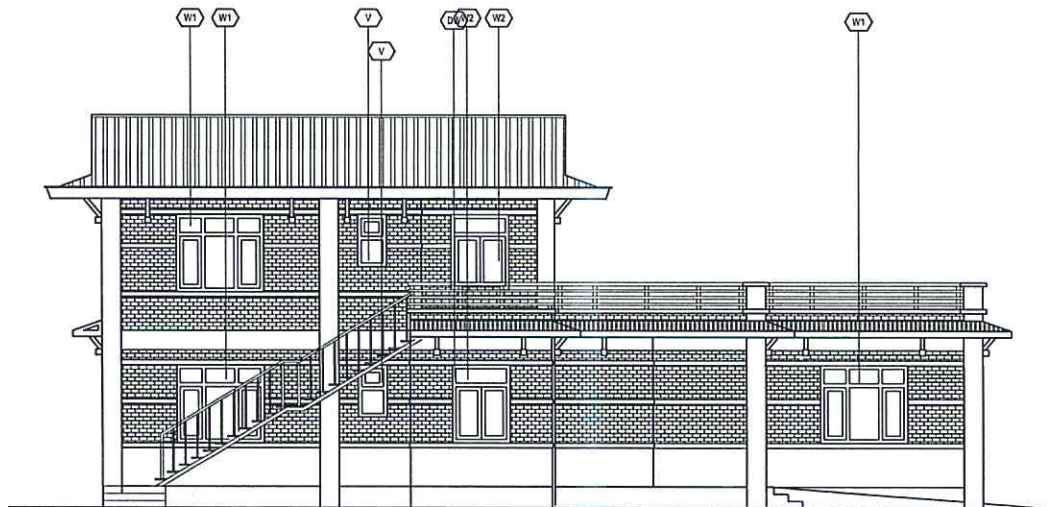




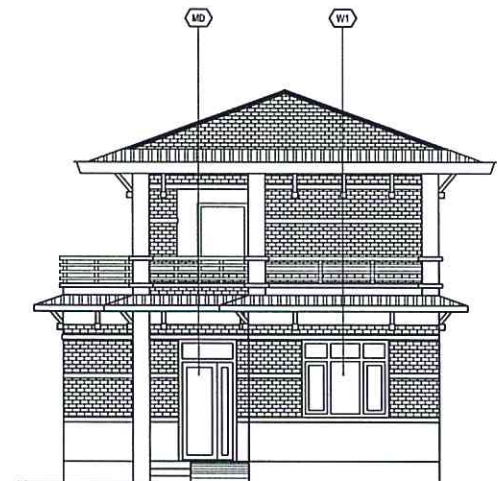
ROOF PLAN



WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION

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:

2. Anna Health Post, Sani Van

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:

ROOF PLAN AND ELEVATIONS

REVISIONS:

NO.	DESCRIPTION	DATE
I		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

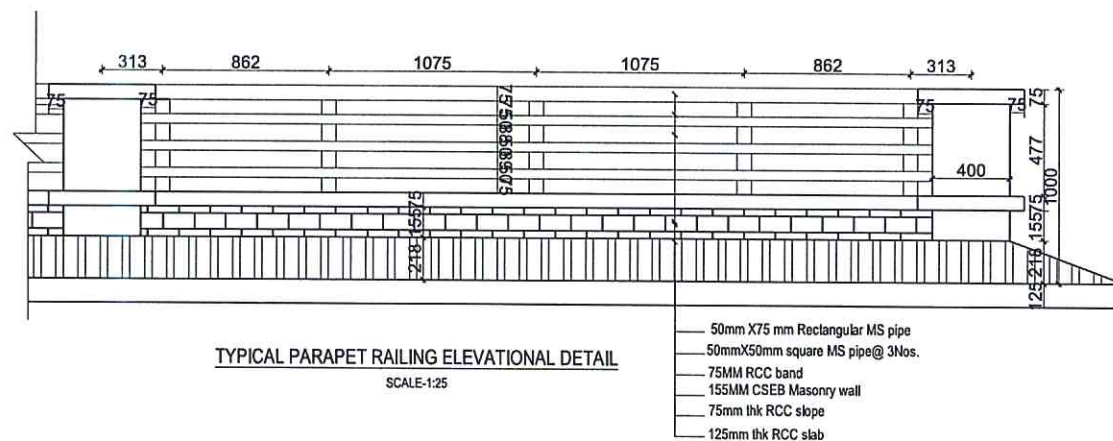
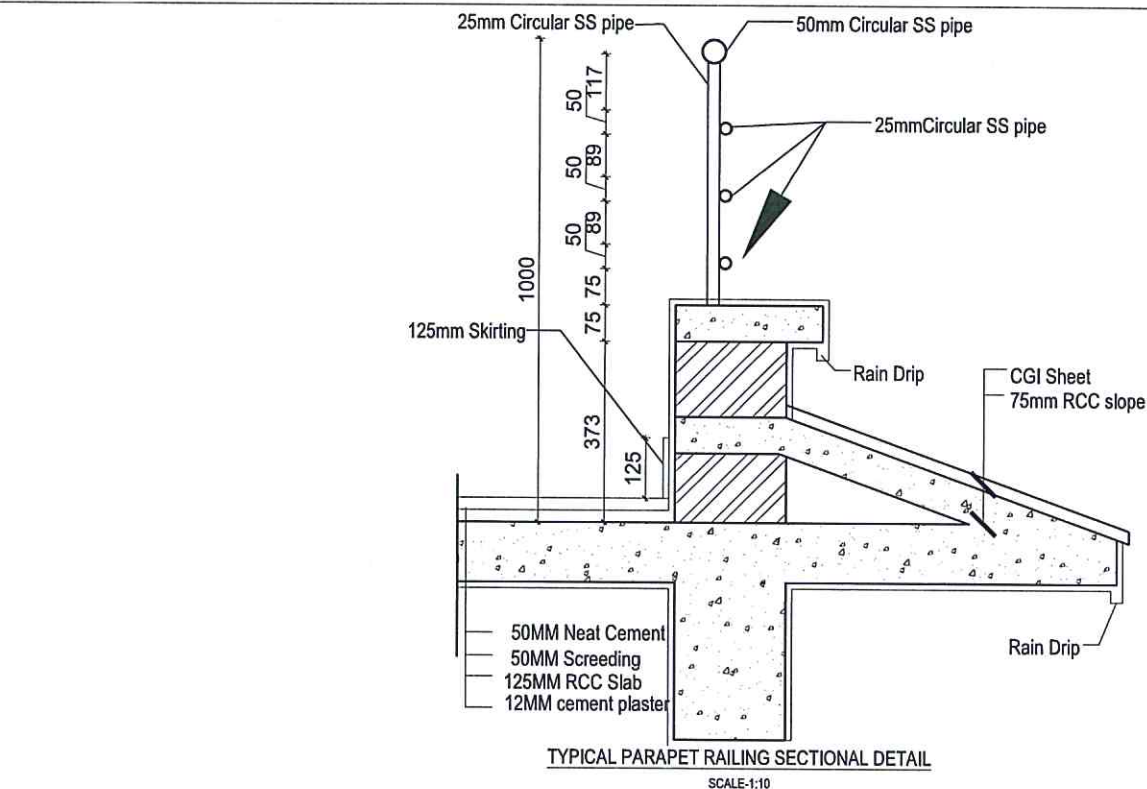
DATE: 12 NOV, 2024

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 Jakarta and Rukun West

PROJECT TITLE:

2. Arma Health Post, Sani Yeri

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
194C-1E, Tashir Palace, Sakinaka, Lalpur

PRINCIPAL ARCHITECT:
Damodar Acharya

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

REVIEWED BY:

DRAWING TITLE:

WALL SECTION, PARAPET AND RAILING DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

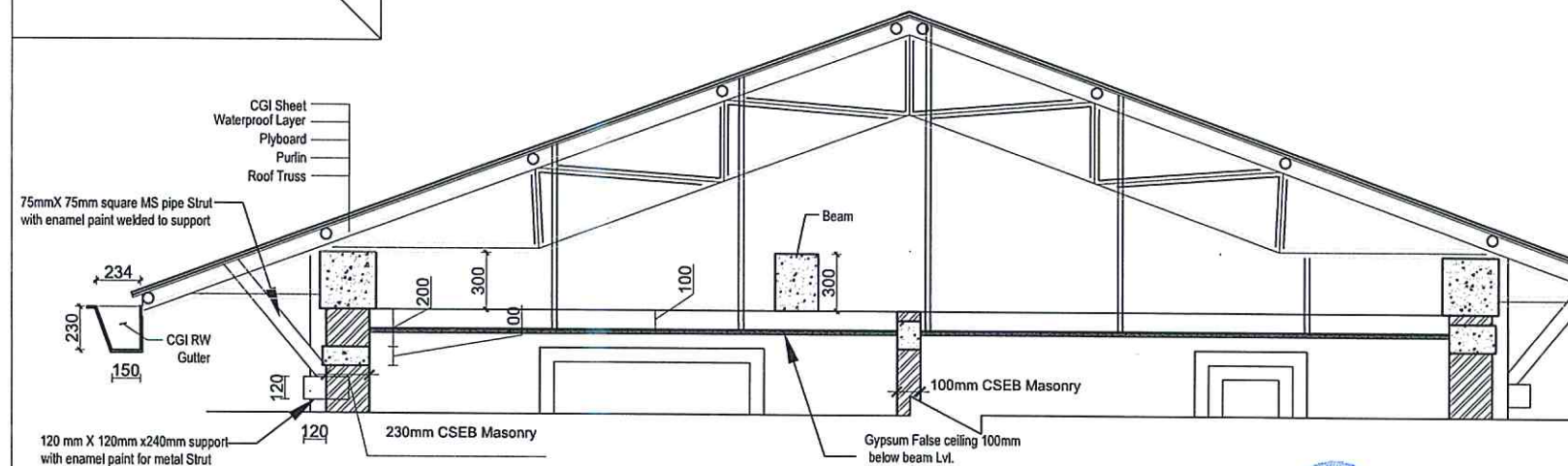
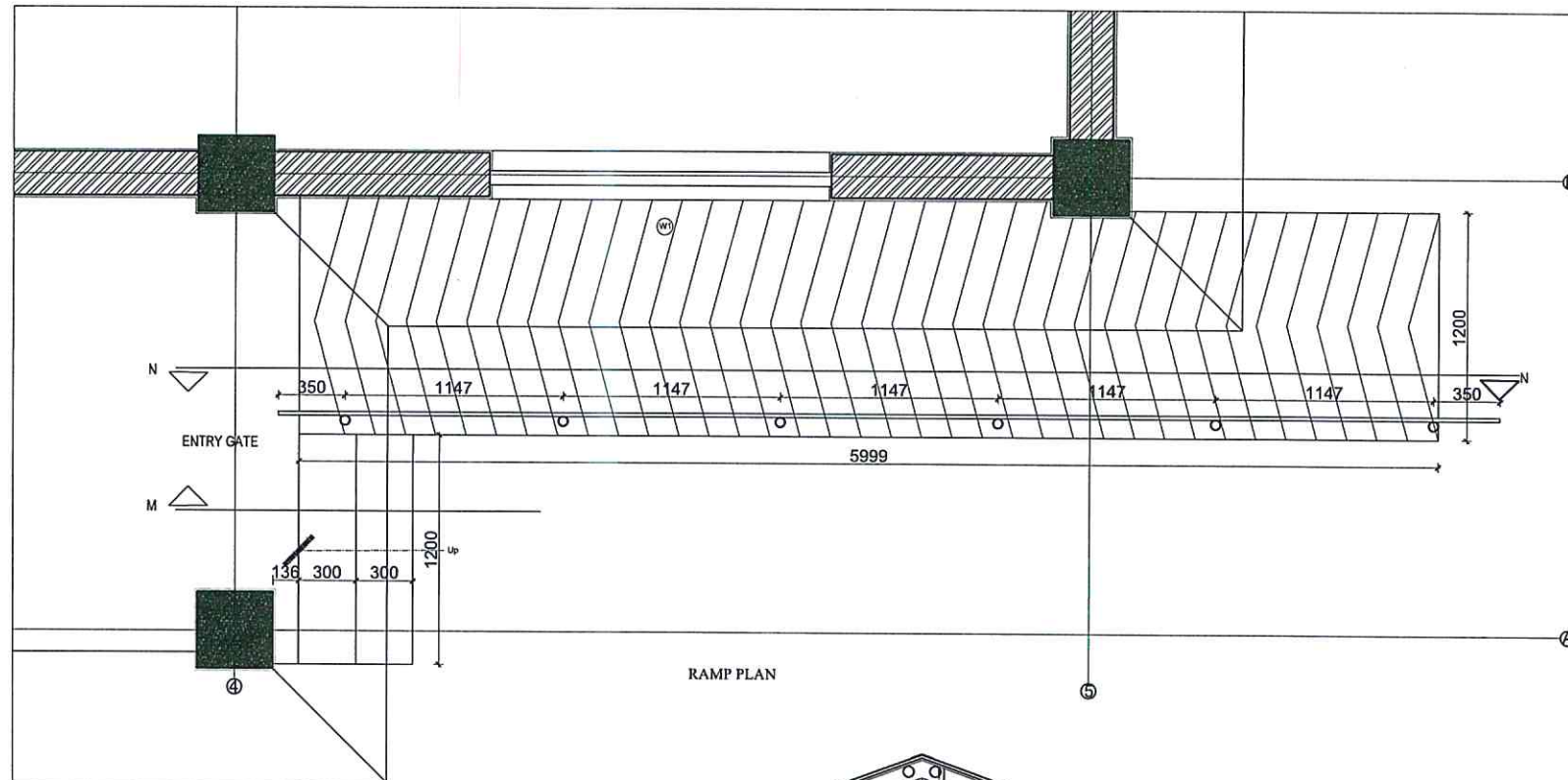
SCALE: AS SPECIFIED

DATE: 12 NOV 2024

REVISION NO.:	REVISION NO.
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SHEET NO.

A-106



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:

2. Ama Health Post, Sani Van

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
140/15, Thakurpalli, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shukla
Raj Krishna Tamakhu
Prajina Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

RAMP PLAN AND TRUSS, STRUT AND GUTTER
DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

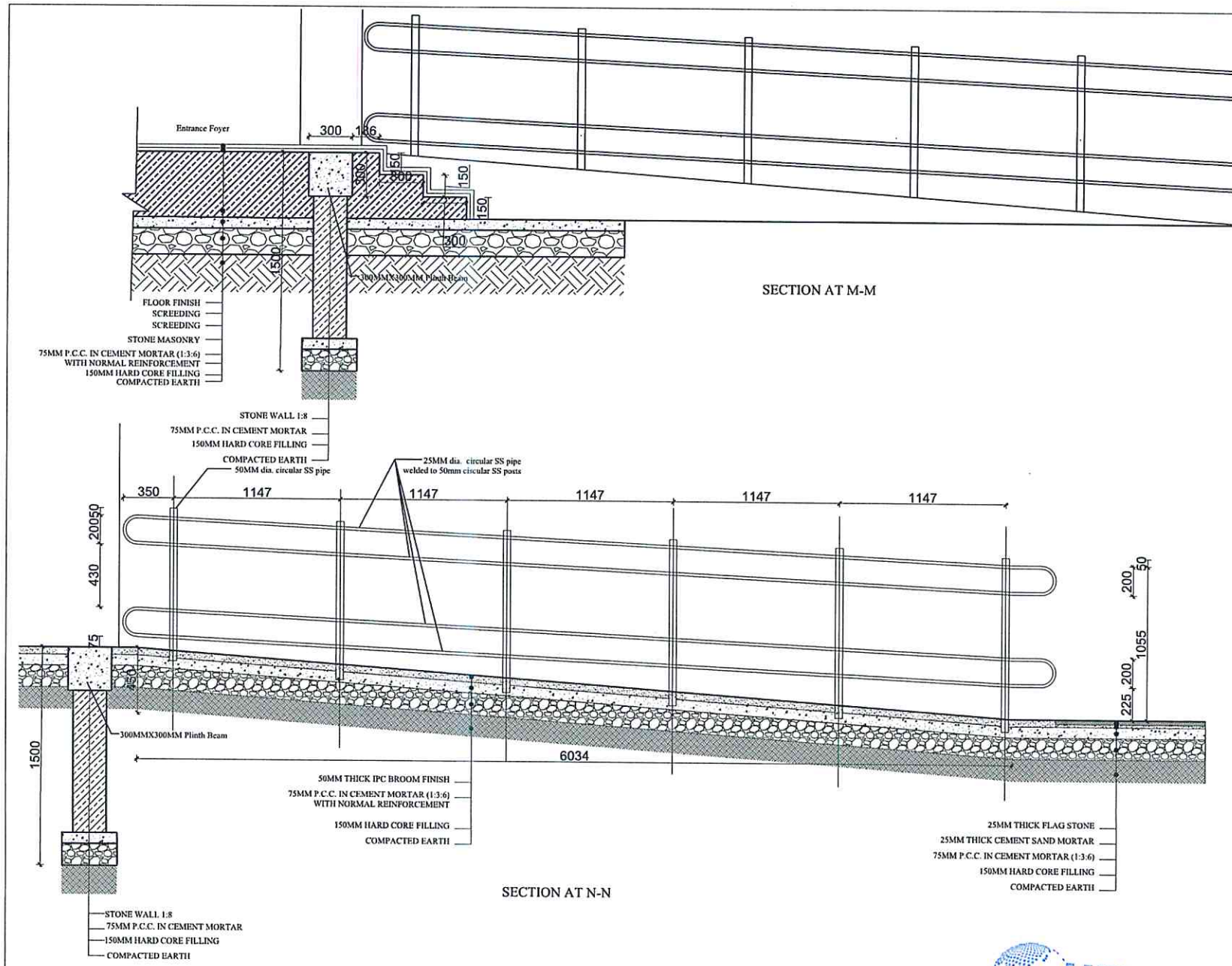
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.



A-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 Jajarkot and Rukum West

PROJECT TITLE:
2. Arma Health Post, Sand Van

CONSULTANT:
A. Not
Architecture N Architects (P.) Ltd.
140-15, Tashirhat, 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

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

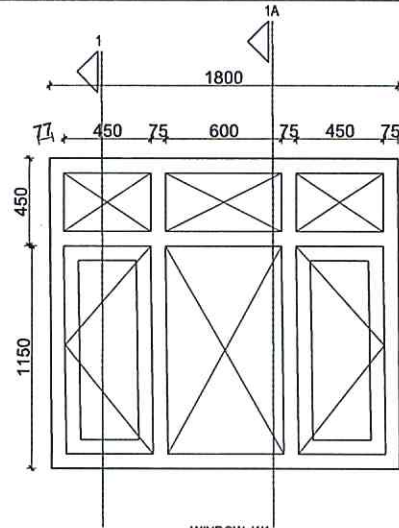
DATE: 12 NOV, 2024

REVISION NO.: REVISION NO.

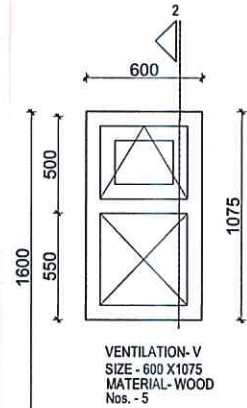
SHEET NO.

A-108

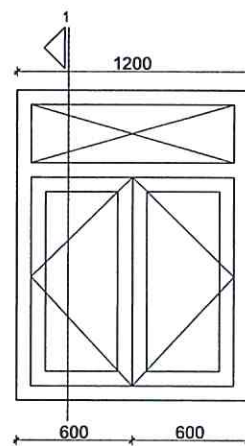




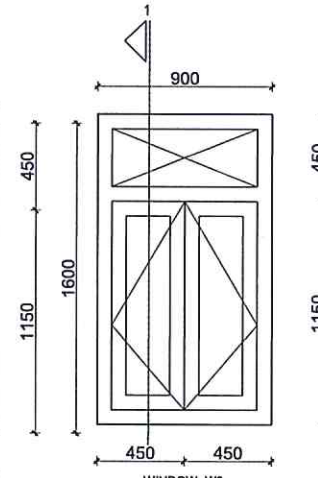
WINDOW-W1
SIZE - 1550 X1800
MATERIAL- WOOD AND GLASS
Nos. - 8



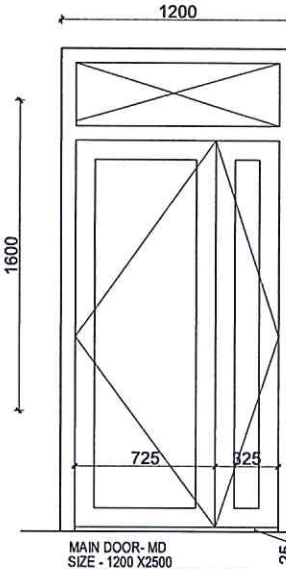
VENTILATION- V
SIZE - 600 X1075
MATERIAL- WOOD
Nos. - 5



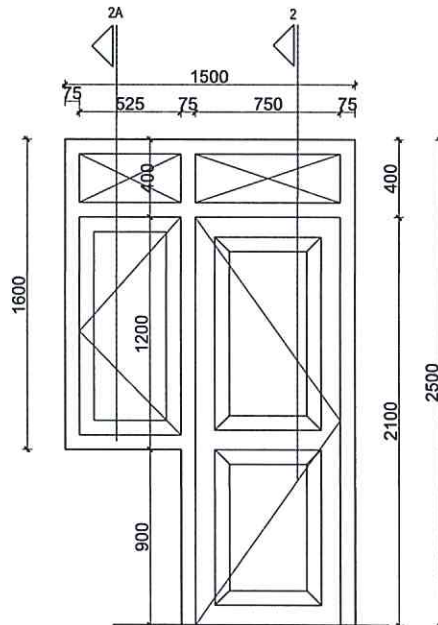
WINDOW- W2
SIZE - 1200 X1800
MATERIAL- WOOD AND GLASS
Nos. - 5



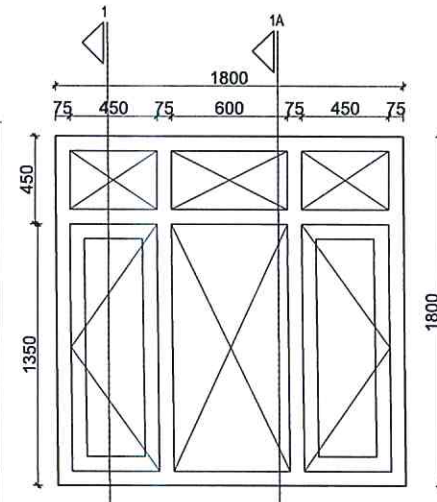
WINDOW- W3
SIZE - 900 X1800
MATERIAL- WOOD AND GLASS
Nos. - 2



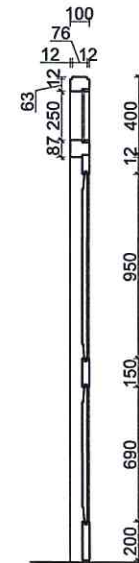
MAIN DOOR- MD
SIZE - 1200 X2500
MATERIAL- WOOD AND GLASS
Nos. - 1



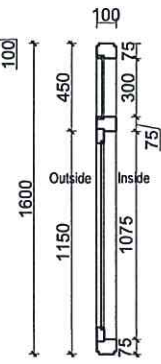
DOOR CUM WINDOW- DW
SIZE - 1500 X2500 Door- 750 X 2500
MATERIAL- WOOD AND GLASS
Nos. - 1



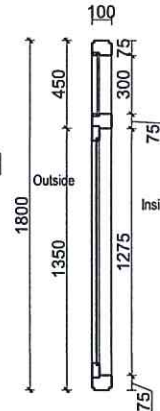
WINDOW- W1
SIZE - 1800 X1800
MATERIAL- WOOD AND GLASS
Nos. - 8



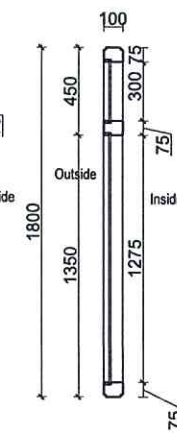
TYPICAL SINGLE OPENABLE
PANEL DOOR FOR DW
SECTION DETAIL AT 2-2



TYPICAL OPENABLE
WINDOW SECTION
AT 2A-2A



TYPICAL OPENABLE
WINDOW SECTION
AT 1-1



TYPICAL OPENABLE
WINDOW SECTION
AT 1A-1A

DOOR AND WINDOW DETAILS

SCALE-1:25

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:

2. Arma Health Post, Sani Vent

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
Prajna Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

DOOR AND 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-110



OPENING SCHEDULE

SN	OPENINGS	SYMBOL	NOS.	SIZE L X H	REMARKS.
1	DOOR	MD	1	1200X2500	
		D1	5	1050X2500	
		D2	1	900X2500	
		D3	3	750X2500	
2	WINDOW	W1	4	1500X1600	
		W2	2	1200X1600	
		W3	7	900X1600	
3	DOOR AND WINDOW	DW	1	900X2500	DOOR
			1	600X1600	WINDOW
4	VENTILATION	V	5	600X1075	

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

CLENT:

HELVETAS
NEPAL

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

PROJECT TITLE:
2. Arma Health Post, Sand Vani

CONSULTANT:

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

PRINCIPAL ARCHITECT:
Damodar Acharya

REVIEWED BY:

DRAWING TITLE:
DOOR AND WINDOW SCHEDULE

REVISIONS:

NO.	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-111



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	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	-	12 MM THK. 1:5 CS PLASTER 2 COAT EP 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			-		-
3	SLUICE	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE FINISH			-		-
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			-		-
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			-		-
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			-		-
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			-		-
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			-		-
7	ENTRANCE	1	-	-	-	50 MM THK. 1:3:6, SCREEDING CEMENT PUNNING 50 MM THK. 1:3:6, SCREEDING NON SLIPPERY SURFACE SIDEWAYS CS PLASTER	-	-	STAINLESS STEEL HAND RAIL AND BALUSTER
7	RAMP	1	-	-					
FIRST FLOOR									
8	BED ROOMS	2	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	12 M THK CEMENT PLASTER UP TO SILL LEVEL WHERE IT IS EXPOSED TO RAIN	-	50 MM THK. 1:3:6, SCREEDING CEMENT PUNNING	-
9	TOILET	1	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER CERAMIC TILE UP TO 2 M HEIGHT	50 MM THK. 1:3:6, SCREEDING CERAMIC TILE	12 MM THK. 1:5 CS PLASTER 2 COAT EP WITH PRIMER		-		-
10	KITCHEN		-		-		-		-
11	TERRACE		-	50 MM THK. 1:3:6, SCREEDING CEMENT PUNNING	-	-	-	-	-
12	PARAPET		-	-	-	12 M THK CEMENT PLASTER UP TO SLOPE. HEIGHT 450 MM.	-	-	STAINLESS STEEL FOR HEIGHT 550MM
13	STAIRCASE		-	-	-	-	-	-	MS ANGLE AND CHANEL SECTIONS MS 20MM WIDE METAL STRIPS FOR TREAD MS SQ. PIPES FOR HAND RAIL AND BALUSTER
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		WC: WEATHER COAT	-	-	-	-	-	12 MM THK. CS PLASTER 2 COAT WC 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 Jajarkot and Rukum West

PROJECT TITLE:

2. Anna Health Post, Sani Vesi

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(PVT.) LTD. Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajna Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

FINISHING DETAILS

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-112



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. INCASE 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 SHALL 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. "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.
12. UNLESS OTHERWISE INDICATED ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED JOINTS WITH MINIMUM AMPLITUDE OF 5MM.
13. 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_d) SHALL BE AS FOLLOW:

GRADE OF CONCRETE	M25
DEVELOPMENT LENGTH (L_d)	49Ø

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_{dh}) TERMINATING A STANDARD HOOK OF LENGTH 12db. HOWEVER, L_{dh} SHALL NOT BE LESS THAN LATERAL DIMENSION OF COLUMN MINUS CLEAR COVER

L_{dh} for $f_c = 500 \text{ N/mm}^2$ & $f_{yk} = M25$					
d_b (mm)	10	12	16	20	25
L_{dh} (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.

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	LINTEL/ SILL BAND
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.

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

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

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:

2. Arma Health Post, Sani Veri

CONSULTANT:

 **A.Not**
Architecture & Architects(P.) Ltd.
P.O. Box 1234, 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		
II		
III		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

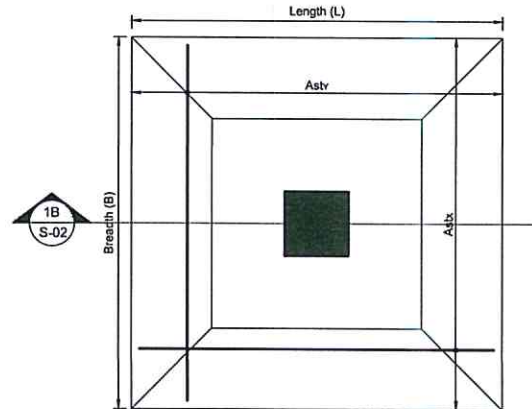
S-101

STRUCTURAL STEEL:

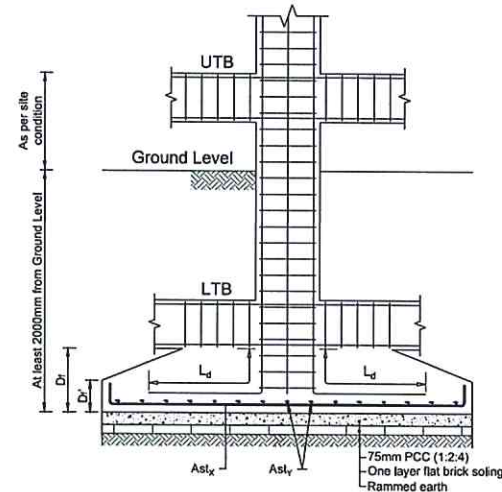
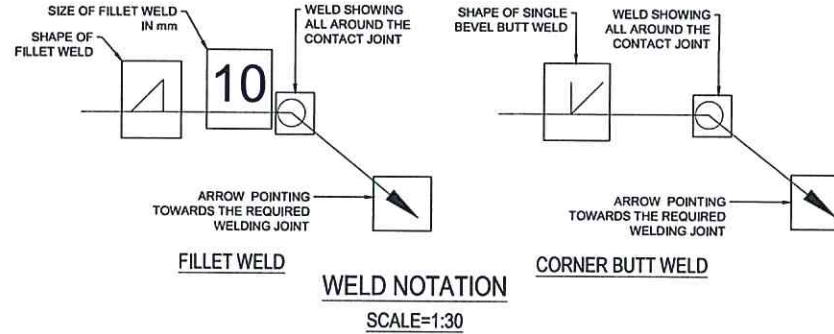
1. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO IS 800:2007 FOR THE DESIGN, FABRICATIONS AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. THE STRUCTURAL STEEL SHALL CONFORM TO IS 2062:2011.
3. STRUCTURAL STEEL SHALL BE OF GRADE, E 250 WITH YIELD STRENGTH 250 MPa.
4. STRUCTURAL STEEL SECTION SHALL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

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.



1A TYPICAL ISOLATED FOOTING PLAN
NOT TO SCALE



1B TYPICAL ISOLATED FOOTING SECTION
NOT TO SCALE

NOTE:
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TO THE SITE ENGINEER

CLIENT:

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NEPAL

PROJECT:

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

PROJECT TITLE:

2. Arma Health Post, Sani Veri

CONSULTANT

A. Not
Architecture & Architects (P.) Ltd.
(PCC-10, Kathmandu, Nepal)

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

GENERAL NOTES & TYPICAL
DETAILS

REVISIONS:

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

CONTRACT NO.:

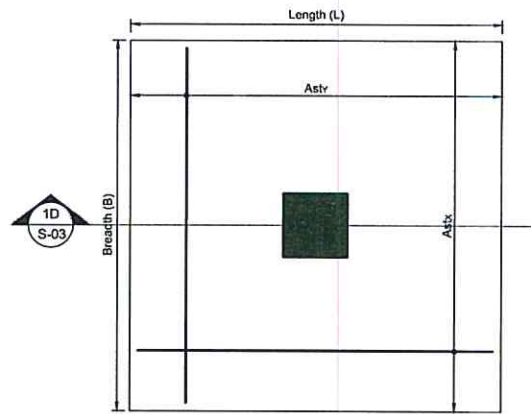
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DATE: 12 NOV. 2024

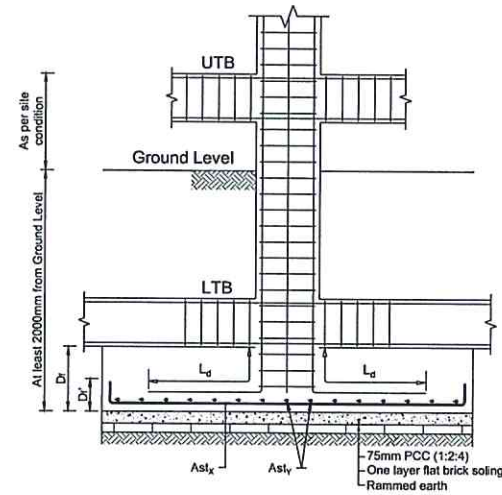
REVISION NO. REVISION I

SHEET NO.

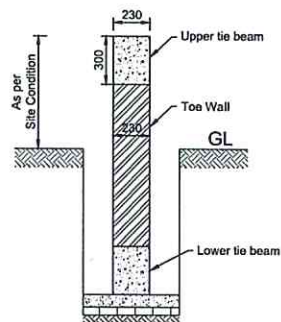
S-102



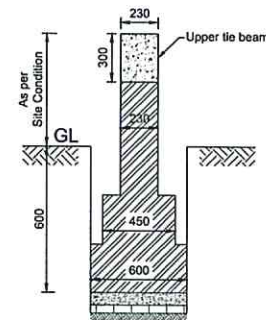
1C TYPICAL ISOLATED FOOTING PLAN
NOT TO SCALE



1D TYPICAL ISOLATED FOOTING SECTION
NOT TO SCALE



1E TYPICAL SECTION OF TOE WALL
BETWEEN UPPER & LOWER TIE BEAM
NOT TO SCALE



1F TYPICAL SECTION OF TOE WALL
BELOW UPPER TIE BEAM
NOT TO SCALE

NOTE:
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CLIENT:

HELVETAS
NEPAL

PROJECT:

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

PROJECT TITLE:

2. Anna Health Post, Sani Veri

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
(NEC-15, "Dharmapala, Kathmandu, Nepal")

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

TYPICAL DETAILS

REVISIONS:

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I		
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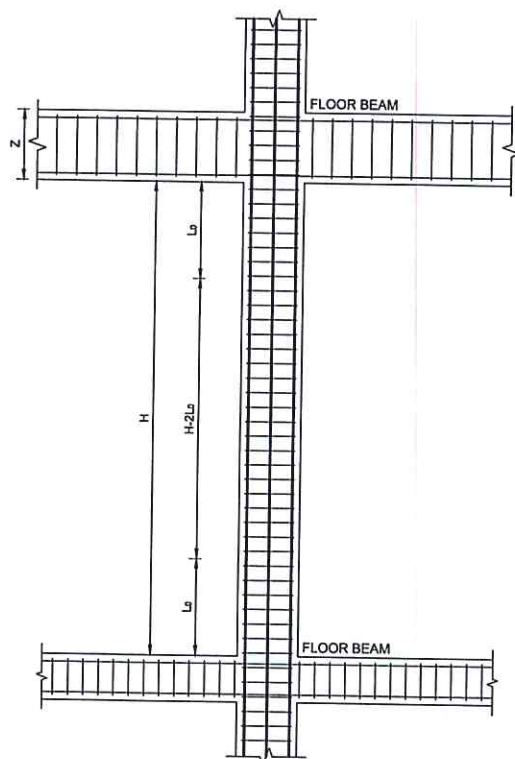
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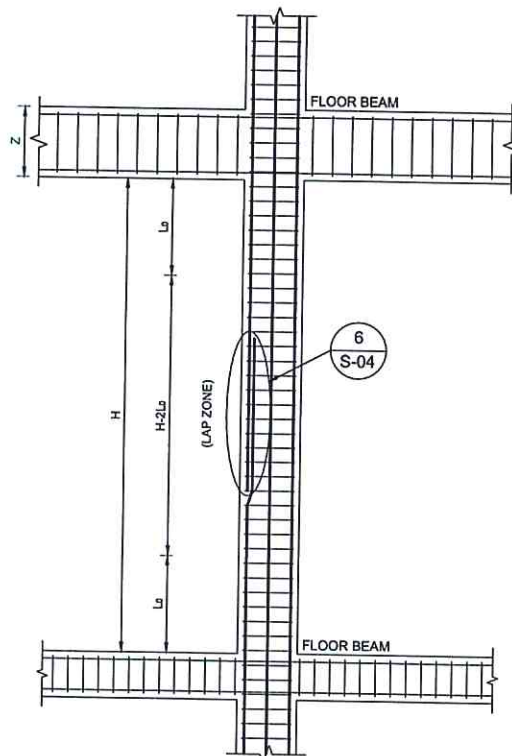
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S-103

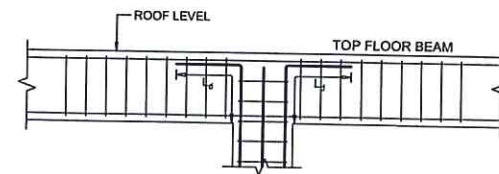




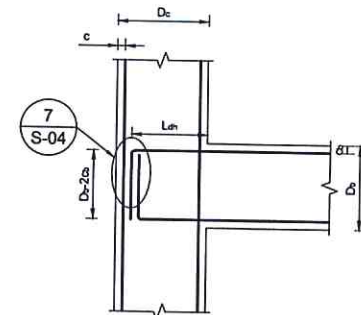
2 TIES DETAIL
NOT TO SCALE



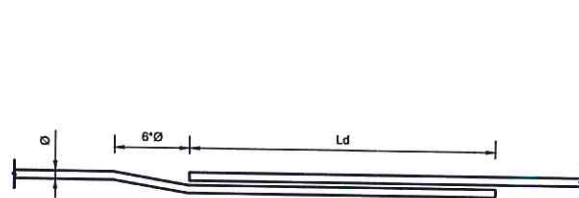
4 LAP DETAIL OF COLUMN
NOT TO SCALE



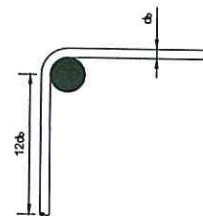
3 COLUMN BAR TERMINATION DETAIL
NOT TO SCALE



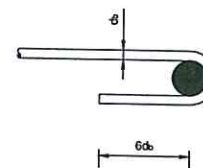
5 ANCHORAGE OF BEAM
LONGITUDINAL BARS IN COLUMN
NOT TO SCALE



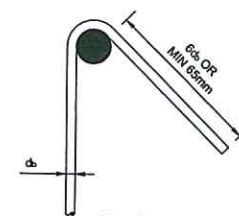
6 REBAR LAPPING DETAILS
NOT TO SCALE



7 90° HOOK
NOT TO SCALE



8 180° HOOK
NOT TO SCALE



9 135° HOOK
NOT TO SCALE

NOTE:
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CLIENT:

HELVETAS
NEPAL

PROJECT:

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

PROJECT TITLE:

2. Anna Health Post, Sari Veri

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

TYPICAL DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
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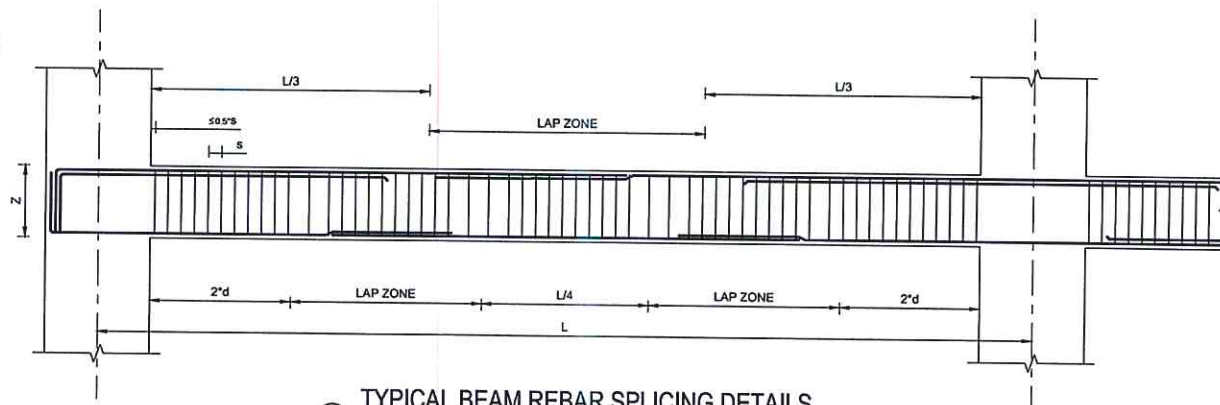
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DATE: 12 NOV, 2024

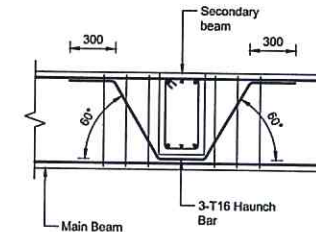
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SHEET NO.

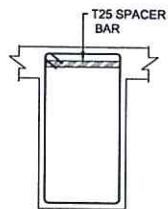
S-104



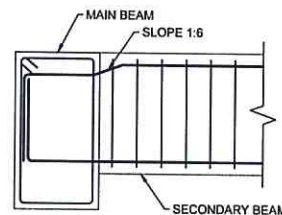
10 TYPICAL BEAM REBAR SPLICING DETAILS
NOT TO SCALE



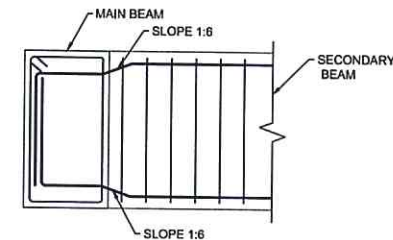
11 HAUNCH BAR DETAILS
NOT TO SCALE



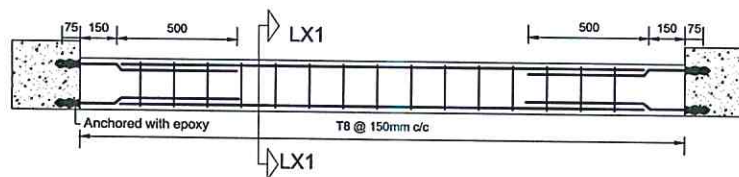
12 SPACER BAR DETAIL
NOT TO SCALE



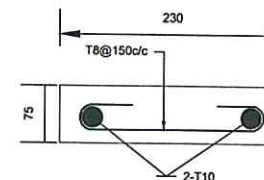
13 CONNECTION DETAIL BETWEEN
MAIN & SECONDARY BEAM
(UNEQUAL DROP)
NOT TO SCALE



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



15 SECTIONAL PLAN OF SILL AND LINTEL BAND
NOT TO SCALE



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

NOTE:
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CLIENT:

HELVETAS
NEPAL

PROJECT:

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

PROJECT TITLE:

2. Arma Health Post, Sani Vesi

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(PVT) LTD. Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

TYPICAL DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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CONTRACT NO.:

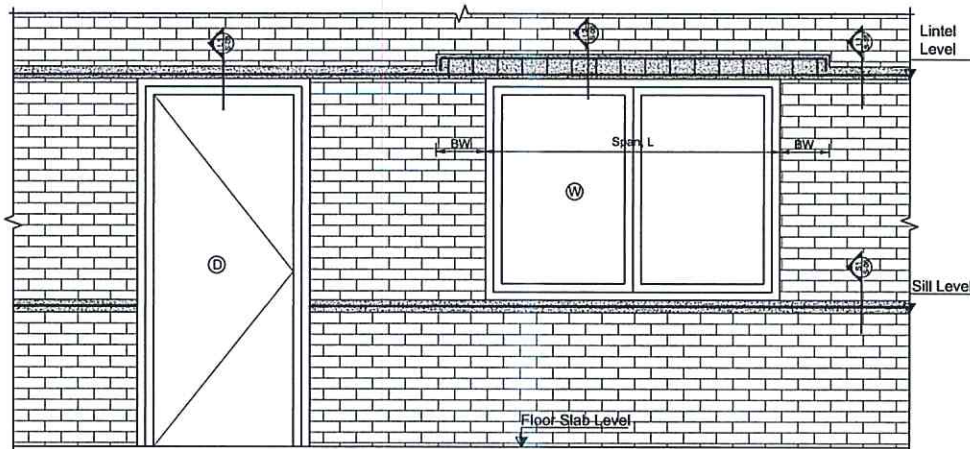
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DATE: 12 NOV, 2024

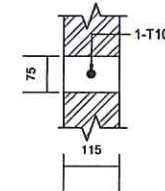
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SHEET NO.

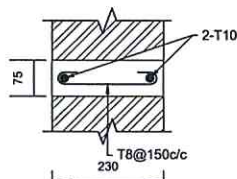
S-105



TYPICAL SILL AND LINTEL PROFILE DETAILS
SCALE=1:30



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



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

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

LINTEL SCHEDULE
SCALE=1:20

NOTE:
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CLIENT:

HELVETAS
NEPAL

PROJECT:

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

PROJECT TITLE:

2. Anna Health Post, Sani Veri

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(PVT) LTD. Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

TYPICAL DETAILS

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CONTRACT NO.:

SCALE: AS SPECIFIED

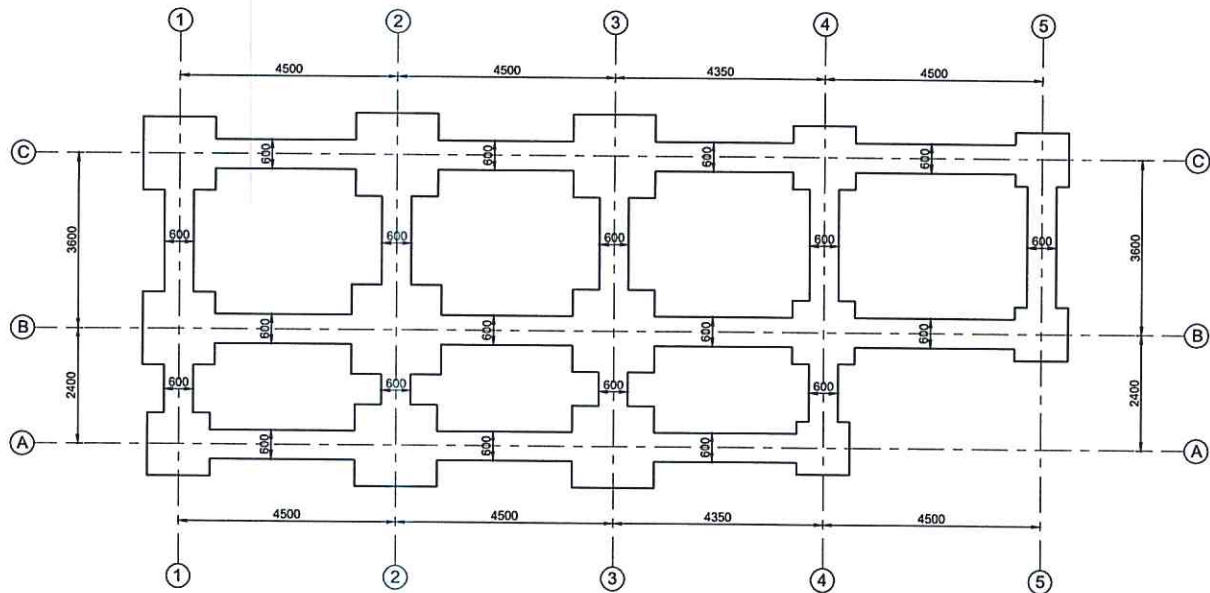
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-106





TRENCH PLAN
SCALE=1:100

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
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in Jajarkot and Rukum West

PROJECT TITLE:

2. Arma Health Post, Sari Veri

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
P.O. Box 10, 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		
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V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE:

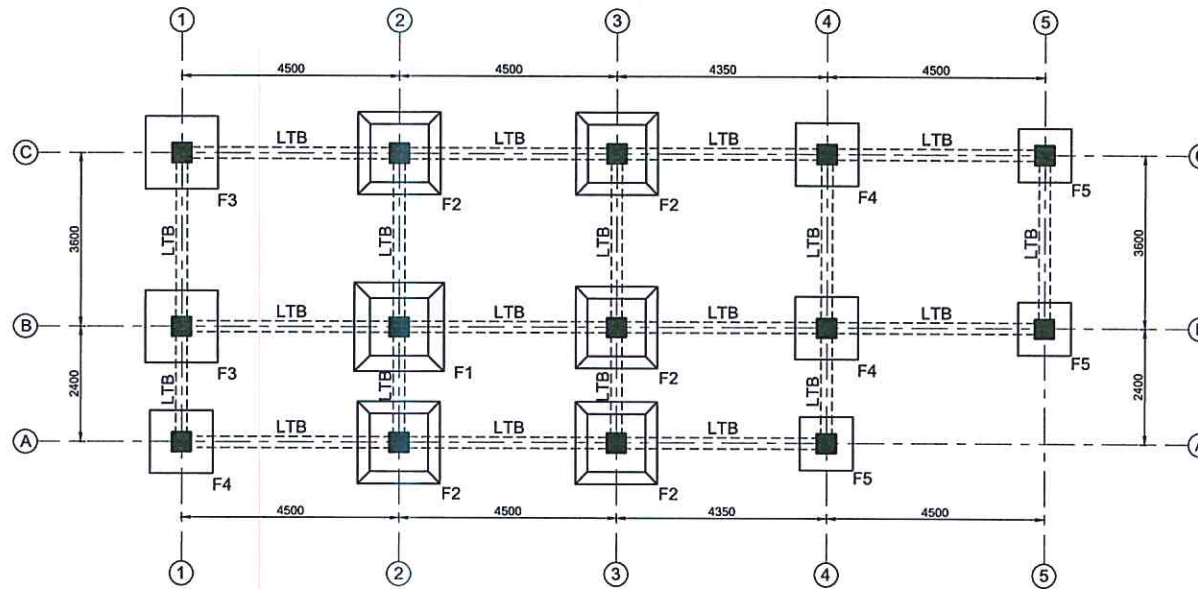
12 NOV. 2024

REVISION NO.:

REVISION I

SHEET NO.

S-107



FOOTING & LOWER TIE BEAM PLAN
SCALE=1:100

S.No.	Type	Footing Size(L X B)		Depth(mm)		Reinforcement Bar
		SBC 100kN/m ²	SBC 150kN/m ²	D _f	D _f '	A _{stx} /A _{sty}
1	F1	1850X1850	1500X1500	400	200	T12@150 c/c
2	F2	1700X1700	1400X1400	400	200	T12@150 c/c
3	F3	1500X1500	1200X1200	400	-	T12@150 c/c
4	F4	1300X1300	1100X1100	400	-	T12@150 c/c
5	F5	1100X1100	1000X1000	400	-	T12@150 c/c

ISOLATED FOOTING SCHEDULE
SCALE=1:50

NOTE:
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PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

**FOOTING & LOWER TIE BEAM
PLAN, ISOLATED FOOTING
SCHEDULE**

REVISIONS

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

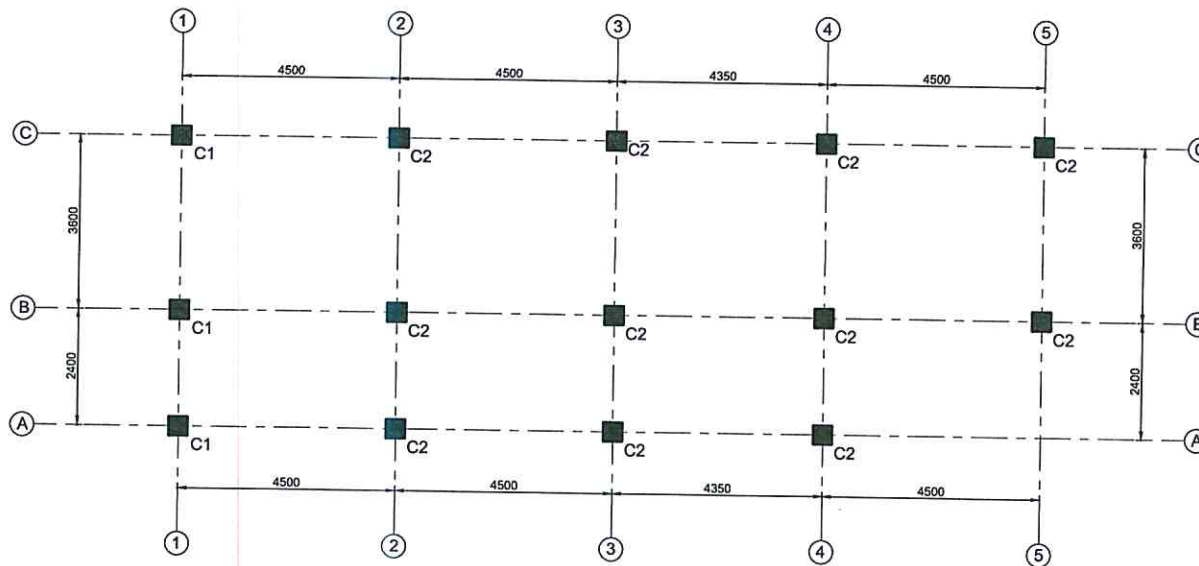
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-108





COLUMN PLAN
SCALE=1:100

COLUMN SCHEDULE

SN.	COLUMN	SIZE	FLOOR	REINFORCEMENT		SECTIONS	SHAPE OF TIE	
				LONGITUDINAL	TIES			
					L ₀			H-2L ₀
1	C1	400X400	GROUND	8-T20	T8@100c/c	T8@100c/c		
			FIRST	4-T20+4-T16				
2	C2	400X400	GROUND	4-T20+4-T16	T8@100c/c	T8@100c/c		
			FIRST	8-T16				

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 Jagarkot and Rukum West

PROJECT TITLE:

2. Arma Health Post, Sansi Veri

CONSULTANT:

A. Not
Architects (P.) Ltd.
(Pvt. Ltd.)

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.:

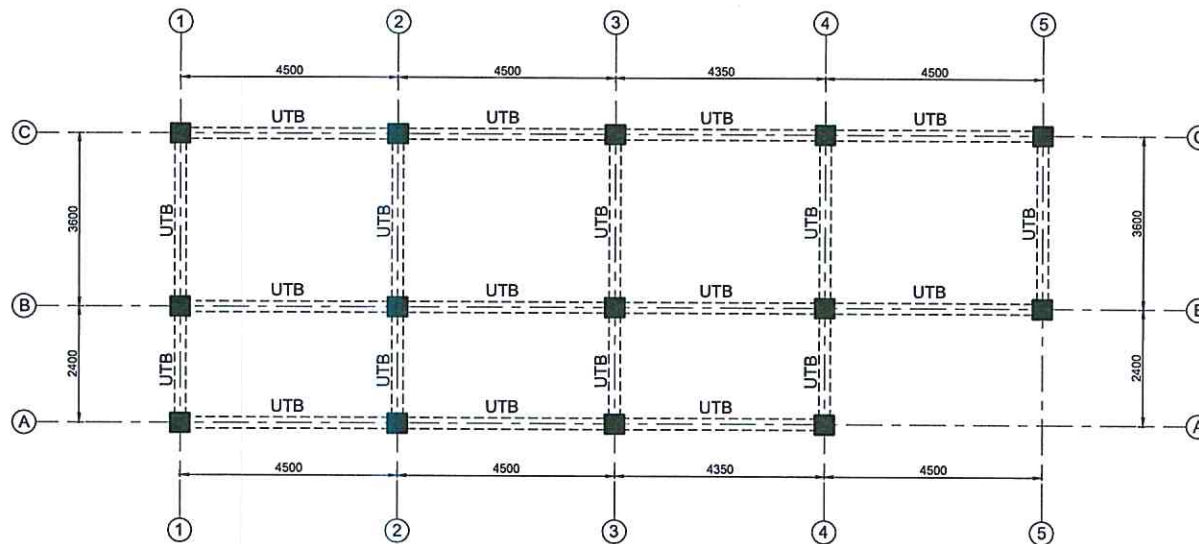
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DATE: 12 NOV, 2024

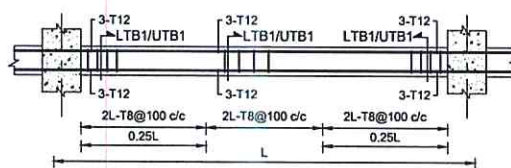
REVISION NO.: REVISION I

SHEET NO.

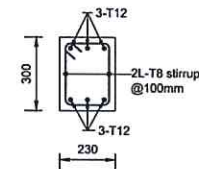
S-109



UPPER TIE BEAM PLAN
SCALE=1:100



TYPICAL LONGITUDINAL BEAM PROFILE OF
TIE BEAM (LTB1/UTB1)
SCALE=1:50



SECTION AT LTB1/UTB1
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:

2. Anna Health Post, Sani Vesi

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(Pvt.) Ltd. 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:

NO.	DESCRIPTION	DATE
I		
II		
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

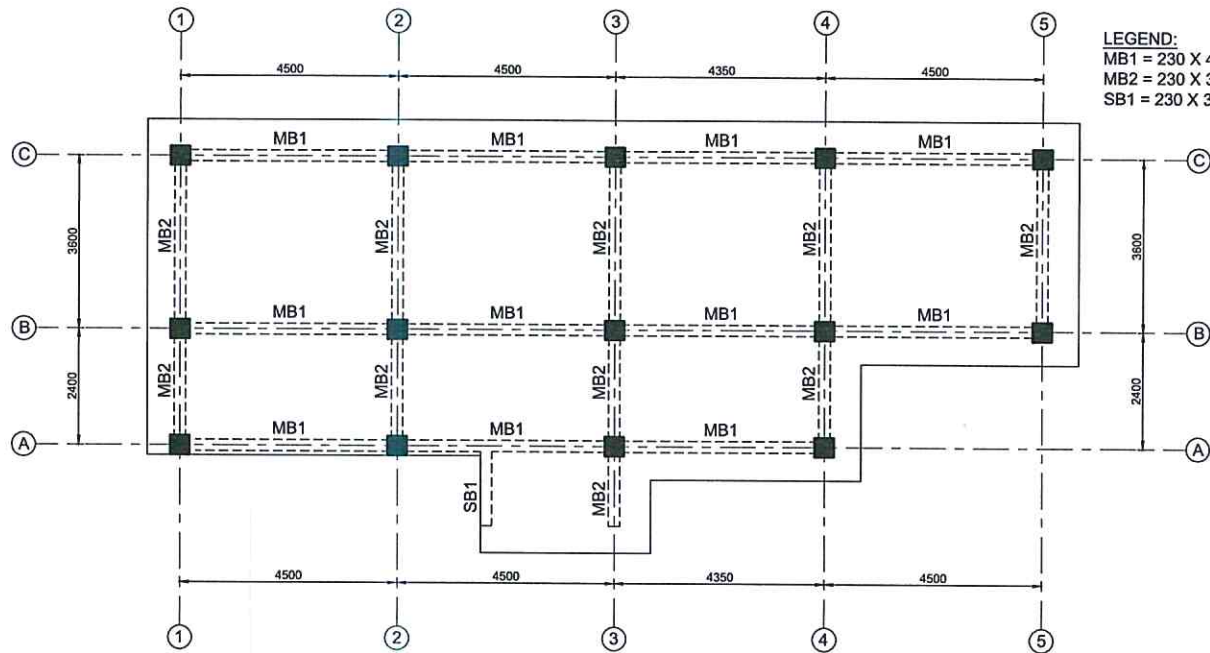
DATE: 12 NOV, 2024

REVISION NO.: REVISION I

SHEET NO.

S-110

HELVETAS
NEPAL



LEGEND:
 MB1 = 230 X 400
 MB2 = 230 X 350
 SB1 = 230 X 300

BEAM PLAN
 (FIRST FLOOR)
 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:

2. Anna Health Post, Sani Veri

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

BEAM PLAN

REVISIONS:

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

CONTRACT NO.:

SCALE: AS SPECIFIED

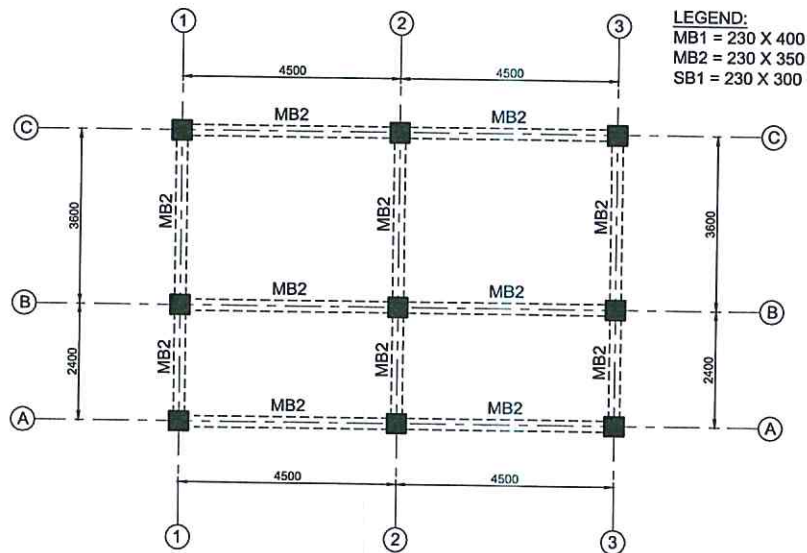
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

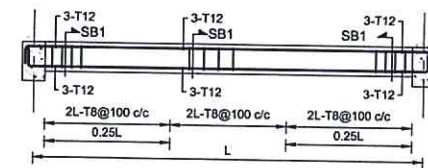
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S-111

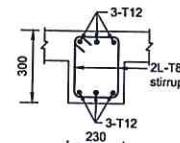




BEAM PLAN
(SECOND FLOOR)
SCALE=1:100



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



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:

2. Arma Health Post, Sani Veri

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

BEAM PLAN, TYPICAL SECONDARY
BEAM PROFILE & SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE:

12 NOV. 2024

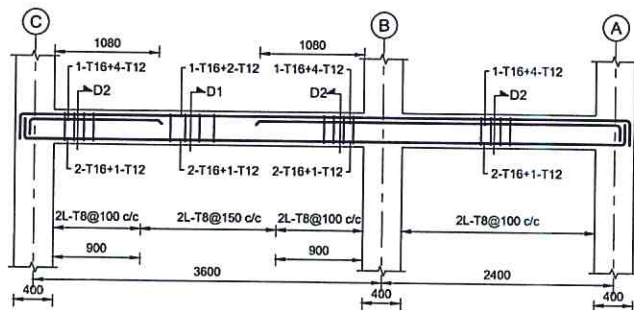
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REVISION I

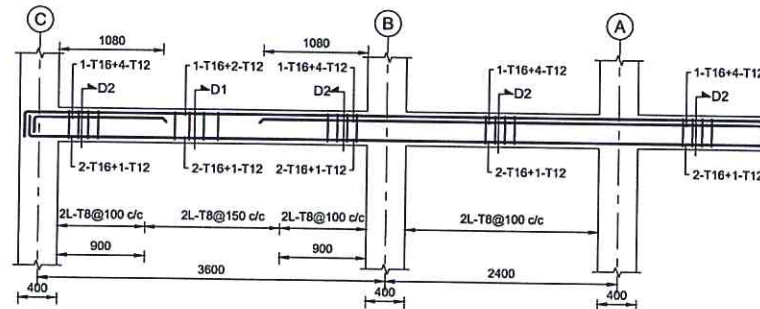
SHEET NO.

S-112

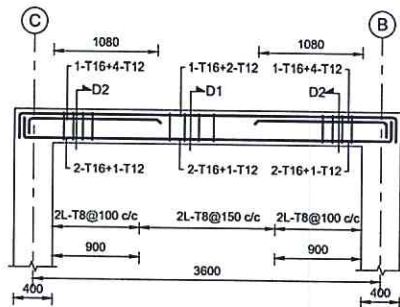
HELVETAS
NEPAL



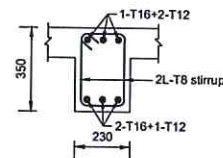
LONGITUDINAL BEAM PROFILE ALONG 1-1/2-2/4-4
FIRST FLOOR LEVEL
SCALE=1:50



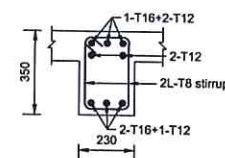
LONGITUDINAL BEAM PROFILE ALONG 3-3
FIRST FLOOR LEVEL
SCALE=1:50



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



SECTION AT D1
SCALE=1:20



SECTION AT D2
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:

2. Arma Health Post, Sanj Veri

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(NEC-17, Thakurpatti, 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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V		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

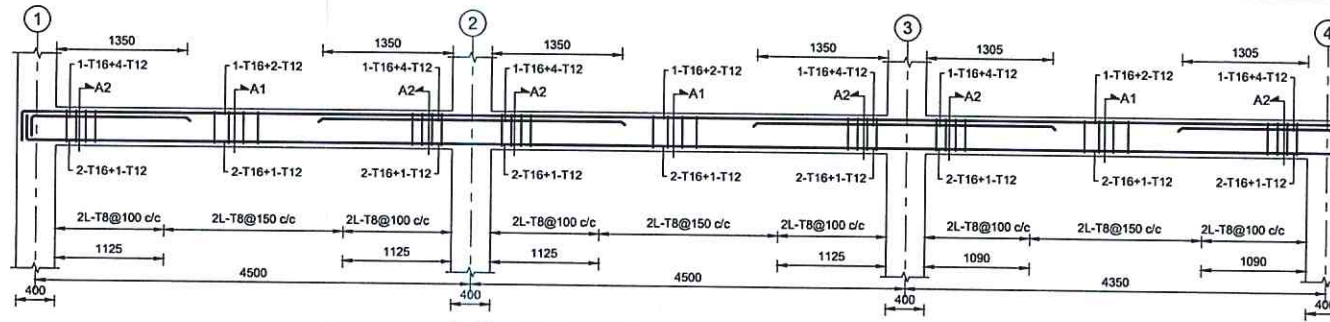
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REVISION NO.:

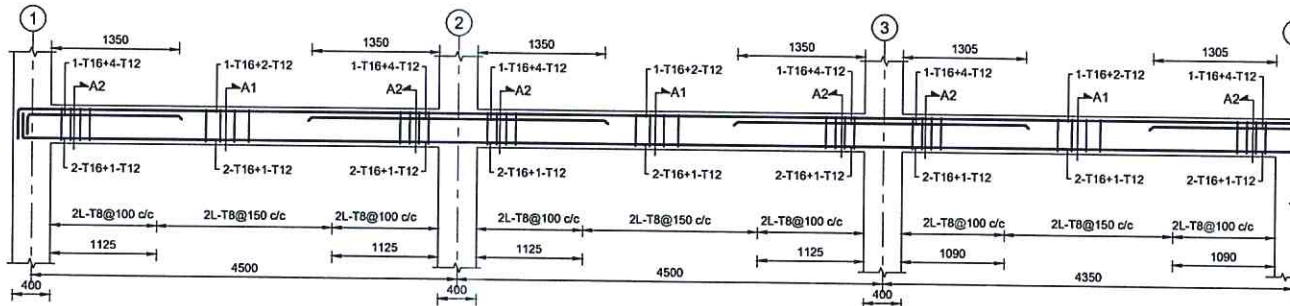
REVISION I

SHEET NO.

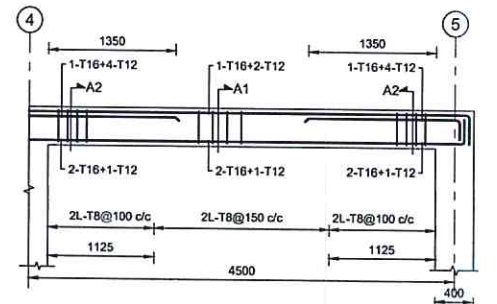
S-113



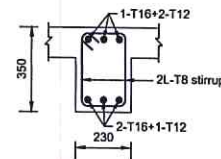
LONGITUDINAL BEAM PROFILE ALONG A-A
FIRST FLOOR LEVEL
SCALE=1:50



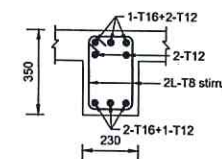
LONGITUDINAL BEAM PROFILE ALONG B-B/C-C
FIRST FLOOR LEVEL
SCALE=1:50



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



SECTION AT D1
SCALE=1:20



SECTION AT D2
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:

2. Arma Health Post, Sani Veri

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
P.O. Box: 10, 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		
IV		
V		
VI		
VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

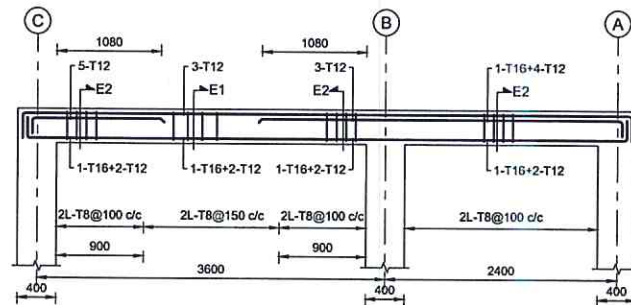
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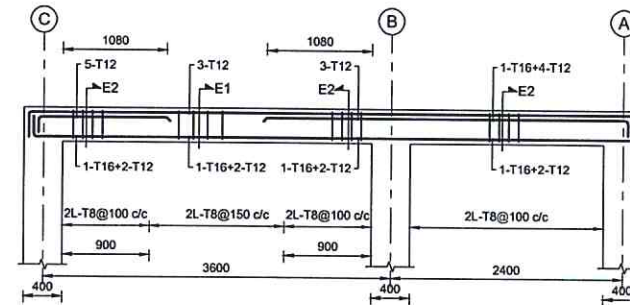
REVISION I

SHEET NO.

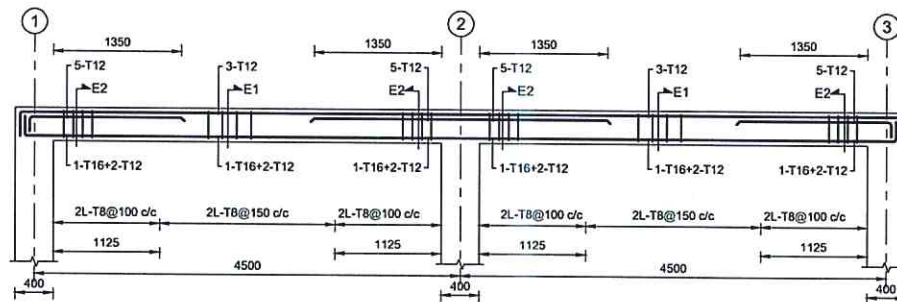
S-114



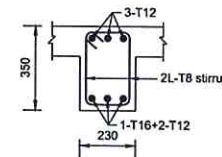
LONGITUDINAL BEAM PROFILE ALONG 1-1/2-2
SECOND FLOOR LEVEL
SCALE=1:50



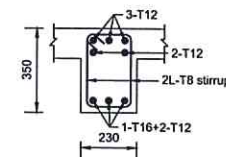
LONGITUDINAL BEAM PROFILE ALONG 3-3
SECOND FLOOR LEVEL
SCALE=1:50



LONGITUDINAL BEAM PROFILE ALONG A-A/B-B/C-C
SECOND FLOOR LEVEL
SCALE=1:50



SECTION AT E1
SCALE=1:20



SECTION AT E2
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:

2. Arma Health Post, Sani Veri

CONSULTANT:

A. Not
Architecture & 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 SECOND FLOOR LEVEL &
SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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CONTRACT NO.:

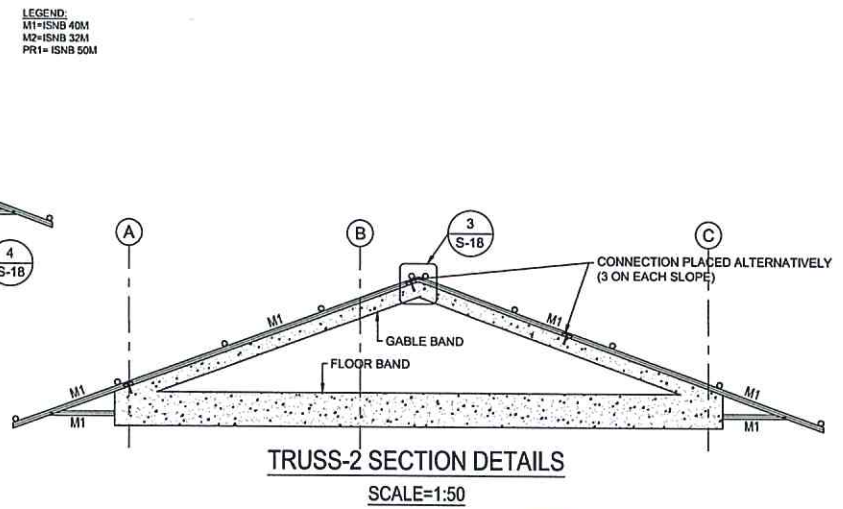
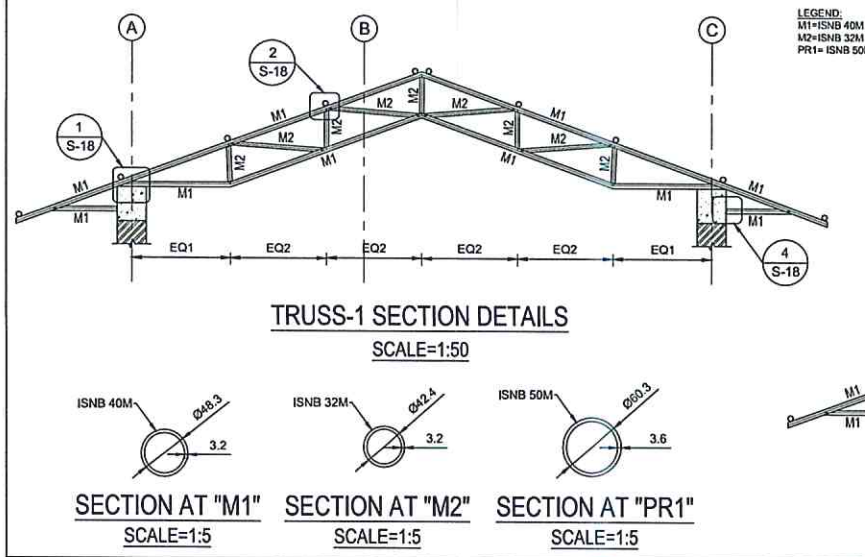
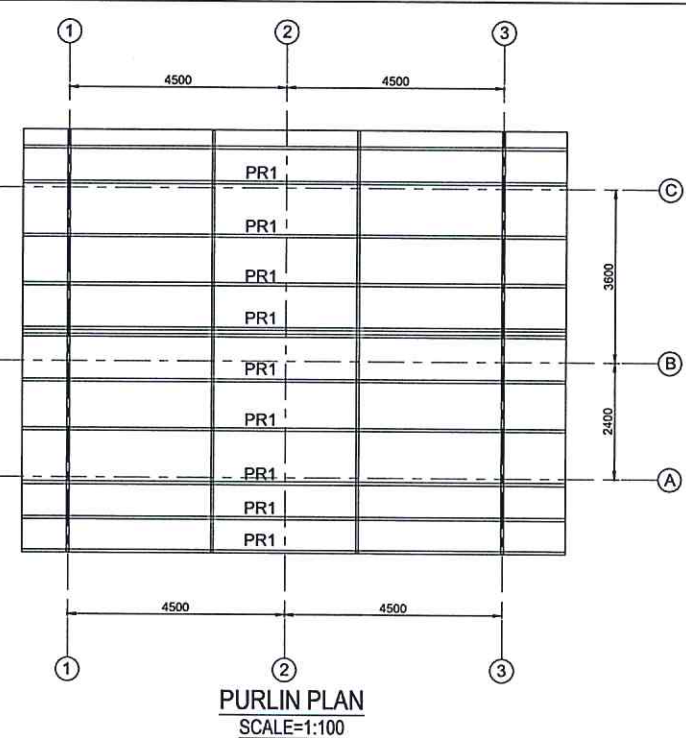
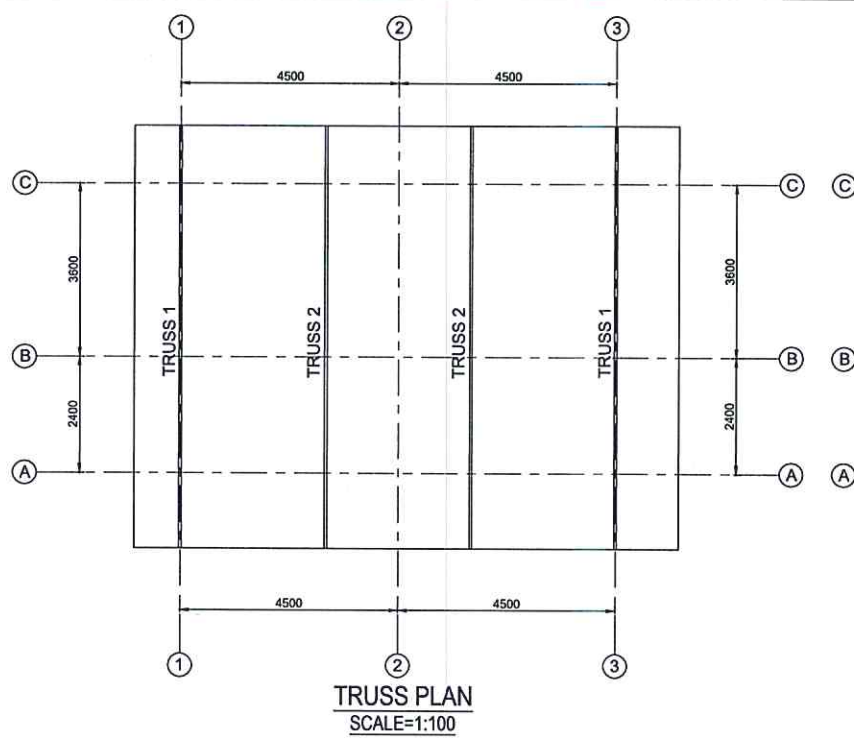
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-115



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:
2. Ama Health Post, Sani Vesi

CONSULTANT:
 A. Not
Architecture & Architects (P.) Ltd.
HKT-18, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:
Damodar Acharya

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

REVIEWED BY:

DRAWING TITLE:
**TRUSS & PURLIN PLAN,
TRUSS SECTION**

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

CONTRACT NO.:

SCALE: AS SPECIFIED

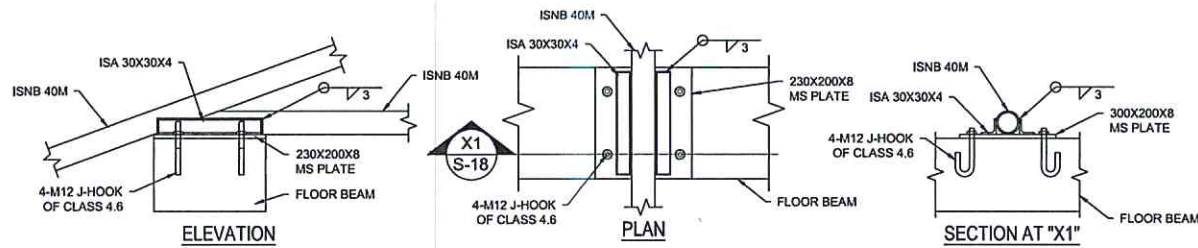
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

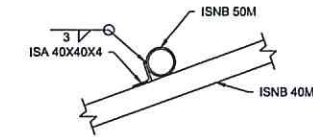
SHEET NO.:

S-117

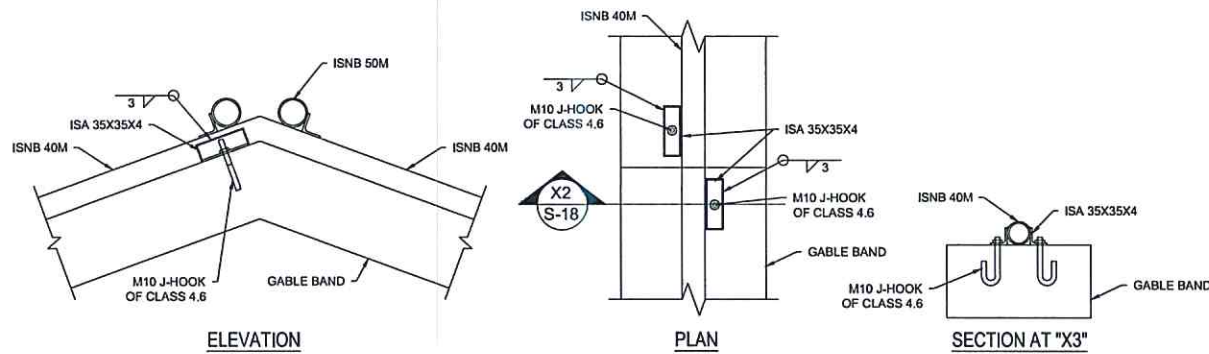




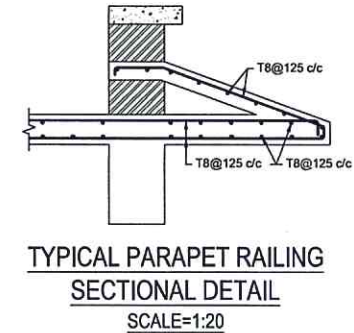
1 TRUSS & FLOOR BEAM CONNECTION
SCALE=1:10



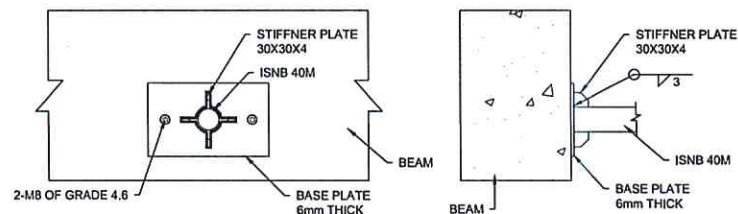
2 PURLIN CONNECTION
SCALE=1:10



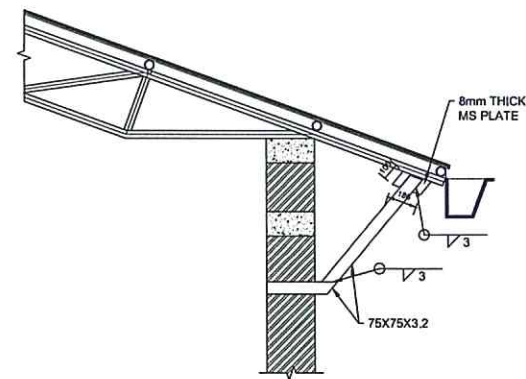
3 TRUSS & GABLE BAND CONNECTION
SCALE=1:10



TYPICAL PARAPET RAILING
SECTIONAL DETAIL
SCALE=1:20



4 TRUSS CONNECTION
SCALE=1:10



TRUSS & CSEB WALL CONNECTION
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 Jagarkot and Rukum West.

PROJECT TITLE:

2. Arma Health Post, Sani Veri

CONSULTANT:

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

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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VIII		

CONTRACT NO.:

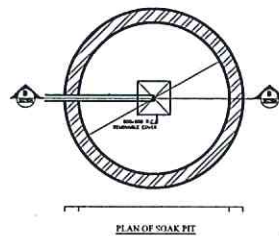
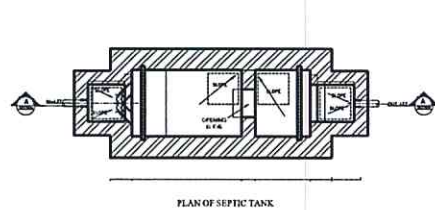
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

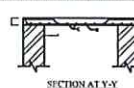
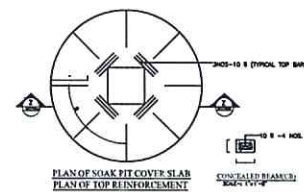
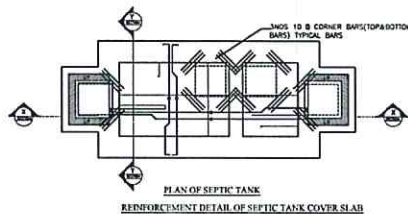
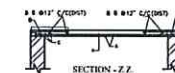
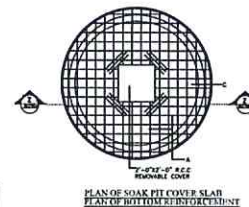
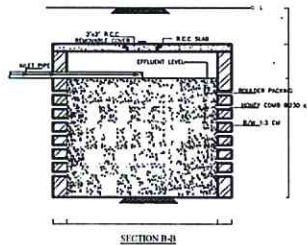
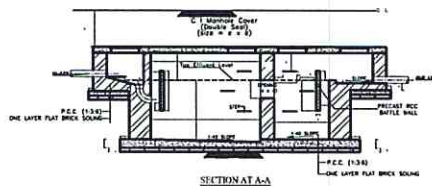
REVISION NO.: REVISION I

SHEET NO.:

S-118



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



SCHEDULE OF REINFORCEMENT DETAIL(SEPTIC TANK)

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

SCHEDULE OF REINFORCEMENT DETAIL(SOAK PIT)

SOAK PIT NO.	SLAB TH (in)	REINFORCEMENT		
		A	B	C
1, 2, 3	4 1/2"	8 @ 12"/C	8 @ 12"/C	3-8 @ 4"/C
4, 5, 6	5"	10 @ 8"/C	10 @ 12"/C	3-10 @ 4"/C
7, 8	5"	10 @ 8"/C	10 @ 12"/C	3-10 @ 4"/C
9	6 1/2"	12 @ 8"/C	12 @ 12"/C	4-10 @ 4"/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"	3'-0"	1 x S.P - 1
Up to 10	S.T - 2	5'-0"	3'-0"	3'-3"	3'-3"	1 x S.P - 2
Up to 15	S.T - 3	6'-0"	3'-0"	4'-0"	3'-3"	1 x S.P - 3
Up to 20	S.T - 4	7'-0"	3'-0"	4'-6"	3'-3"	1 x S.P - 4
Up to 30	S.T - 5	8'-0"	4'-0"	4'-6"	4'-0"	1 x S.P - 5
Up to 50	S.T - 6	8'-9"	4'-3"	6'-0"	5'-0"	1 x S.P - 6
Up to 100	S.T - 7	13'-0"	6'-6"	6'-6"	6'-0"	2 x S.P - 6
Up to 150	S.T - 8	15'-0"	7'-6"	6'-3"	6'-0"	3 x S.P - 6
Up to 200	S.T - 9	18'-0"	8'-6"	6'-0"	6'-0"	4 x S.P - 6
Up to 300	S.T - 10	23'-0"	11'-6"	9'-9"	6'-6"	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"	8'-6"	9"
S.P - 3	5'-0"	10'-6"	9"
S.P - 4	6'-0"	12'-6"	14"
S.P - 5	8'-0"	14'-6"	14"
S.P - 6	10'-0"	16'-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:

2. Arma H.P.

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
(Pvt.) Ltd.

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

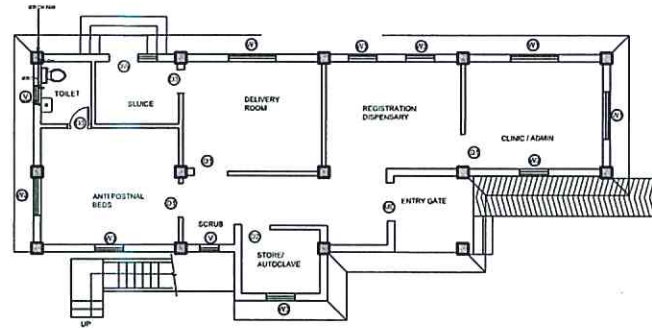
DATE: 12 NOV, 2024

REVISION NO.: REVISION NO.

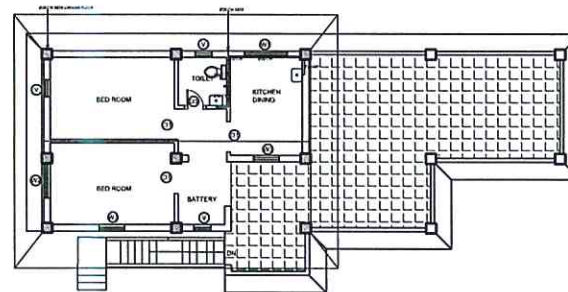
SHEET NO.



P-102



GROUND FLOOR PLANS
AREA: 106.63 SQ. M



FIRST FLOOR PLANS
AREA: 106.63 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:

2. Arma H.P.

CONSULTANT:

A. Not
Architecture N Architects(P.) Ltd.
P.O. Box 1234, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

WATER SUPPLY LAYOUT
PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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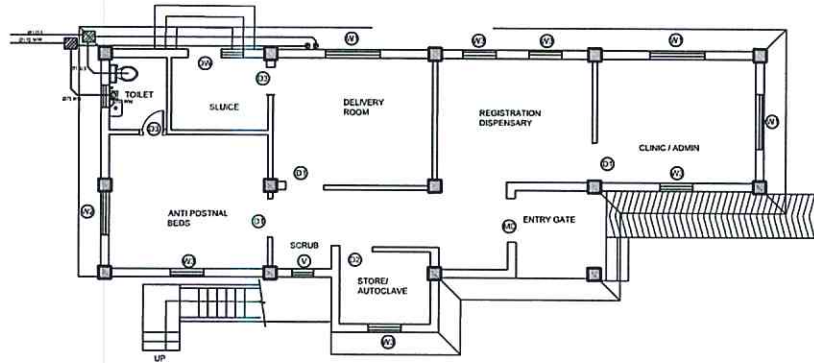
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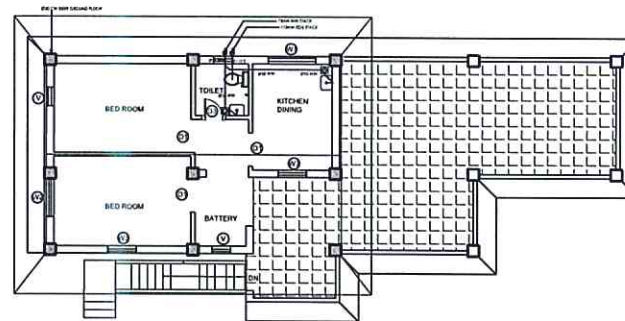
DATE: 12 NOV, 2024

REVISION NO.: REVISION NO.

SHEET NO.



GROUND FLOOR PLANS
AREA: 106.63 SQ. M



FIRST FLOOR PLANS
AREA: 106.63 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:

2. Arma H.P.

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
101/10, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

WATER SUPPLY AND
SANITARY G.F

REVISIONS

NUM.	DESCRIPTION	DATE
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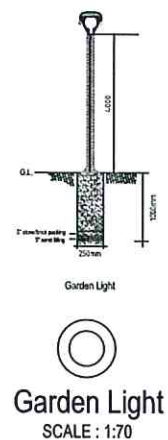
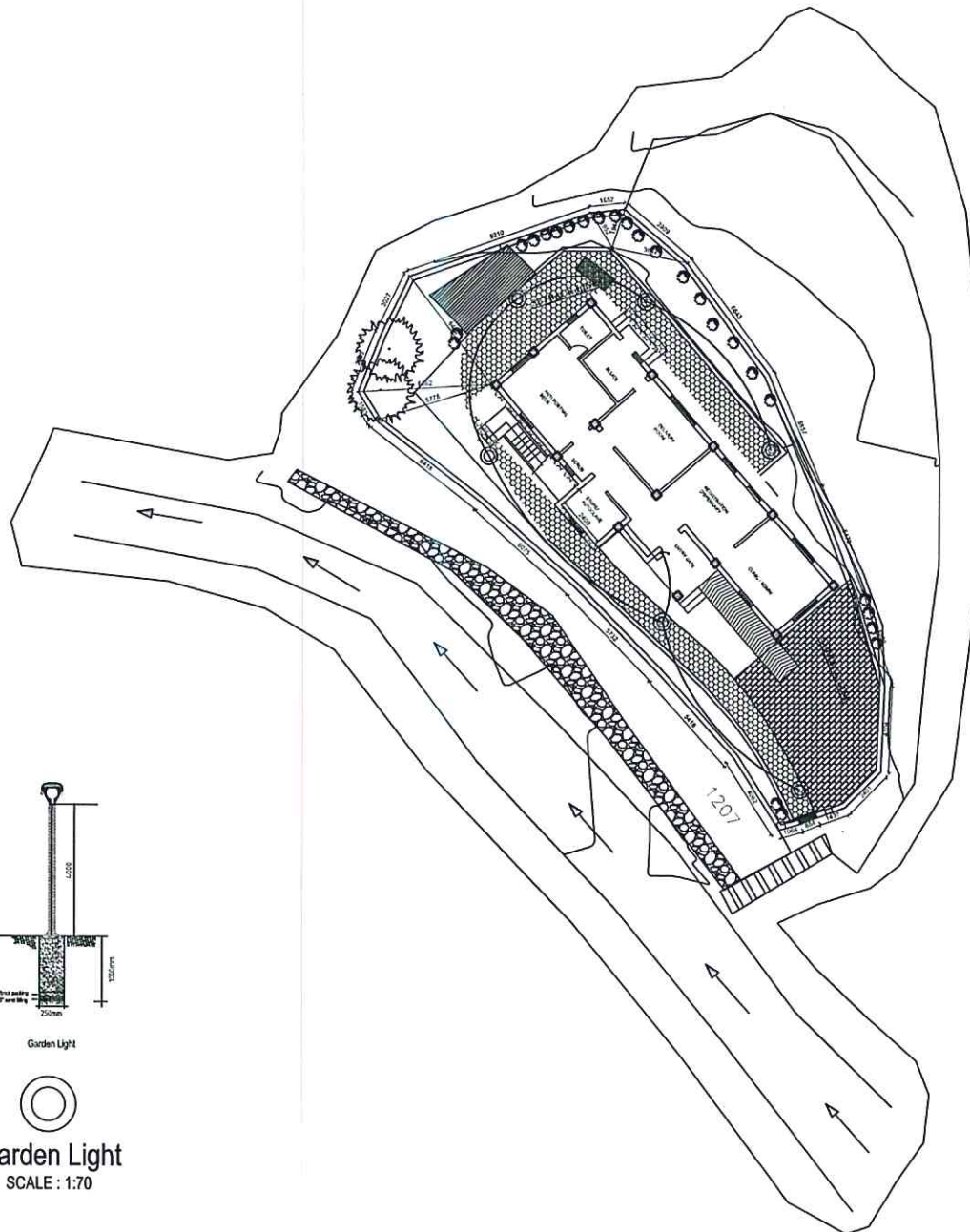
CONTRACT NO.:

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 Jajarkot and Rukum West

PROJECT TITLE

2. ARMA HEALTH POST

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
100/10, "Siddhanta" Building, Kathmandu

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

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
NEC: 906 "ELECTRICAL" "A"

REVIEWED BY:

DRAWING TITLE:

ELECTRICAL MASTER PLAN

REVISIONS:

NUM	DESCRIPTION	DATE
I		
II		
III		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

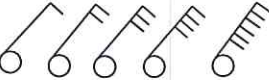
DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

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:

2. ARMA HEALTH POST

CONSULTANT:

 A. Not
Architecture N Architects(P.) Ltd.
100/10, Technical, Khatiwada, Lalpur

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

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
NEC: 906 "ELECTRICAL" "A"

REVIEWED BY:

DRAWING TITLE:

ELECTRICAL LEGEND

REVISIONS

NUM	DESCRIPTION	DATE
I		
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VII		
VIII		

CONTRACT NO.:

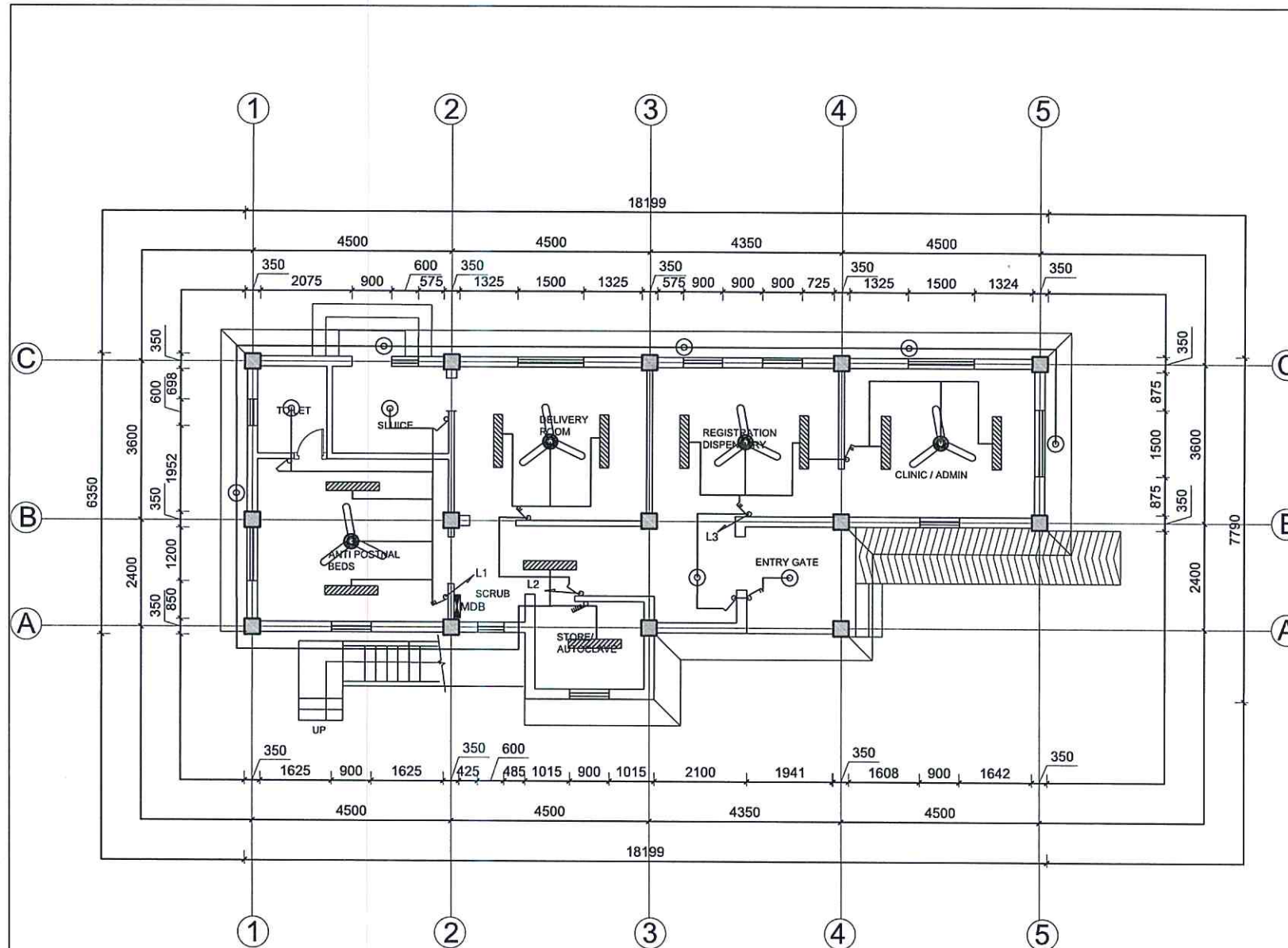
SCALE: AS SPECIFIED

DATE: 12 NOV, 2024

REVISION NO.: REVISION NO.

SHEET NO.

E-102



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

2. ARMA HEALTH POST

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
S.P.O. "Karnali, Nepal, Kathmandu"

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

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
NEC: 908 "ELECTRICAL" "A"

REVIEWED BY:

DRAWING TITLE:

LIGHTING LAYOUT PLAN- GROUND FLOOR

REVISIONS

NUM	DESCRIPTION	DATE
I		
II		
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IV		
V		
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VII		
VIII		

CONTRACT NO.:

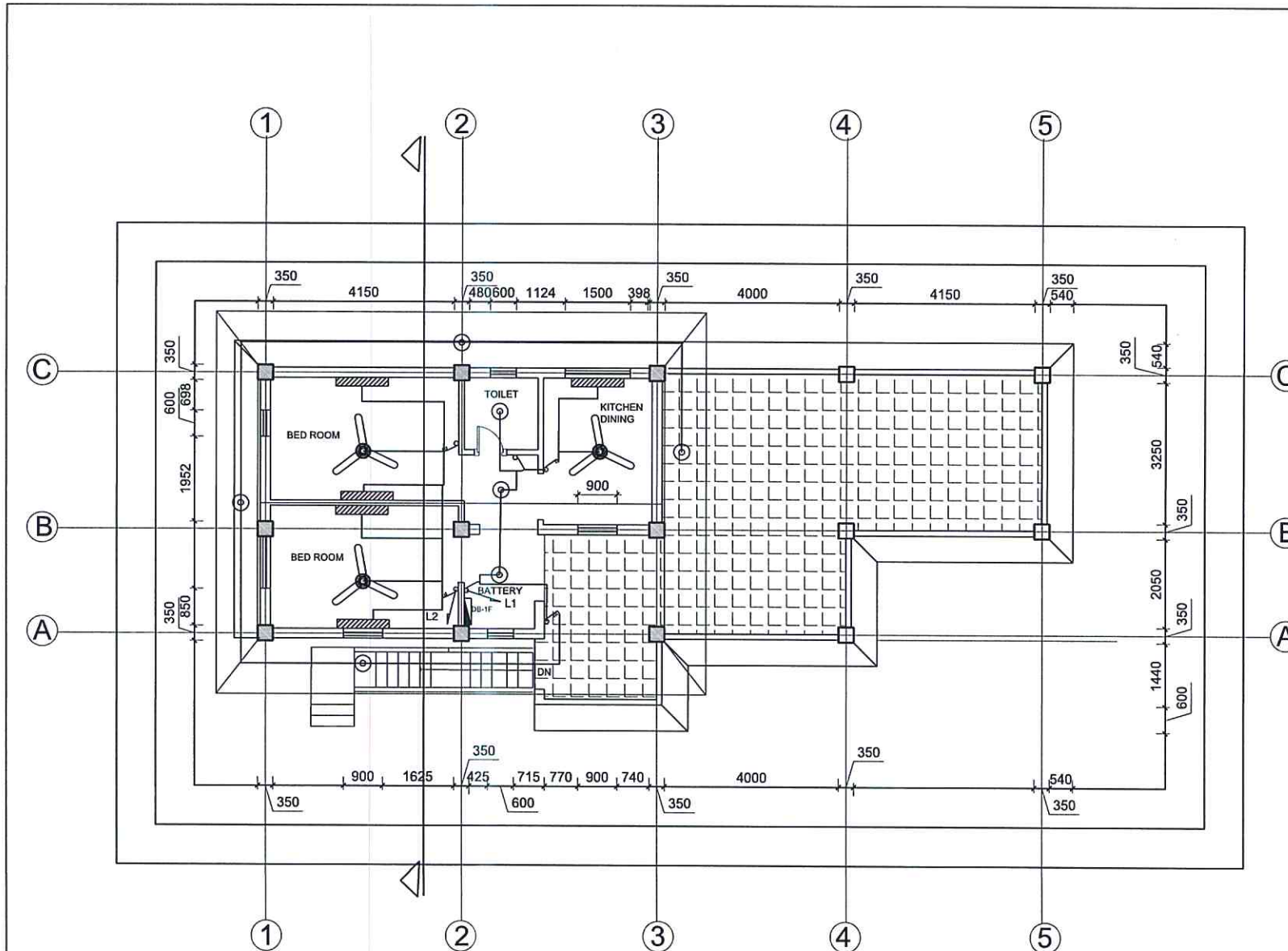
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

E-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:
2. ARMA HEALTH POST

CONSULTANT:
A. Not
Architecture N Architects(P.) Ltd.
P.O. Box 10, Kathmandu, Nepal

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

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
NEC: 906 "Electrical" "A"

REVIEWED BY:

DRAWING TITLE:
LIGHTING LAYOUT PLAN- FIRST FLOOR

REVISIONS:

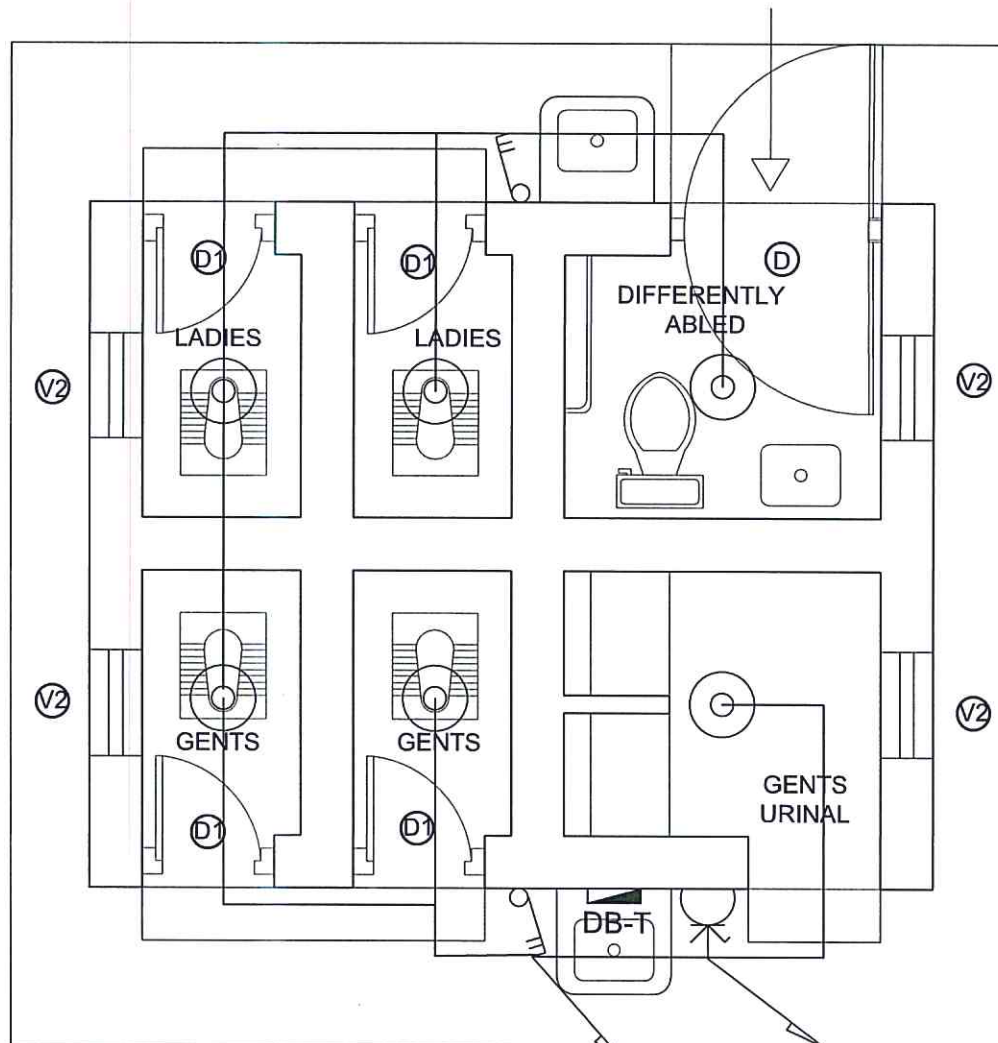
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CONTRACT NO.:
SCALE: AS SPECIFIED
DATE: 12 NOV. 2024
REVISION NO.: REVISION NO.
SHEET NO.



E-104

[Handwritten signature]



TOILET
SCALE: 1:100

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:

2. ARMA HEALTH POST

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(PVT) LTD., Kathmandu, Nepal

PRINCIPAL ARCHITECT:

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

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
NEC: 905 "ELECTRICAL" "A"

REVIEWED BY:

DRAWING TITLE:

ELECTRICAL LAYOUT PLAN- TOILET BLOCK

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.

E-105



Drawings:

Nepal Rastriya Basic School,
Bheri-9, Pouri, Jajrkot



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:

8. Bheri - 9, Pouri, Nepal Rastriya School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
DPO: 13, Thakurpalli, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajna Maharjan
Anish Chhuyaki

REVIEWED BY:

DRAWING TITLE:

MASTER PLAN

REVISIONS

NUM.	DESCRIPTION	DATE
I		
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VIII		

CONTRACT NO.:

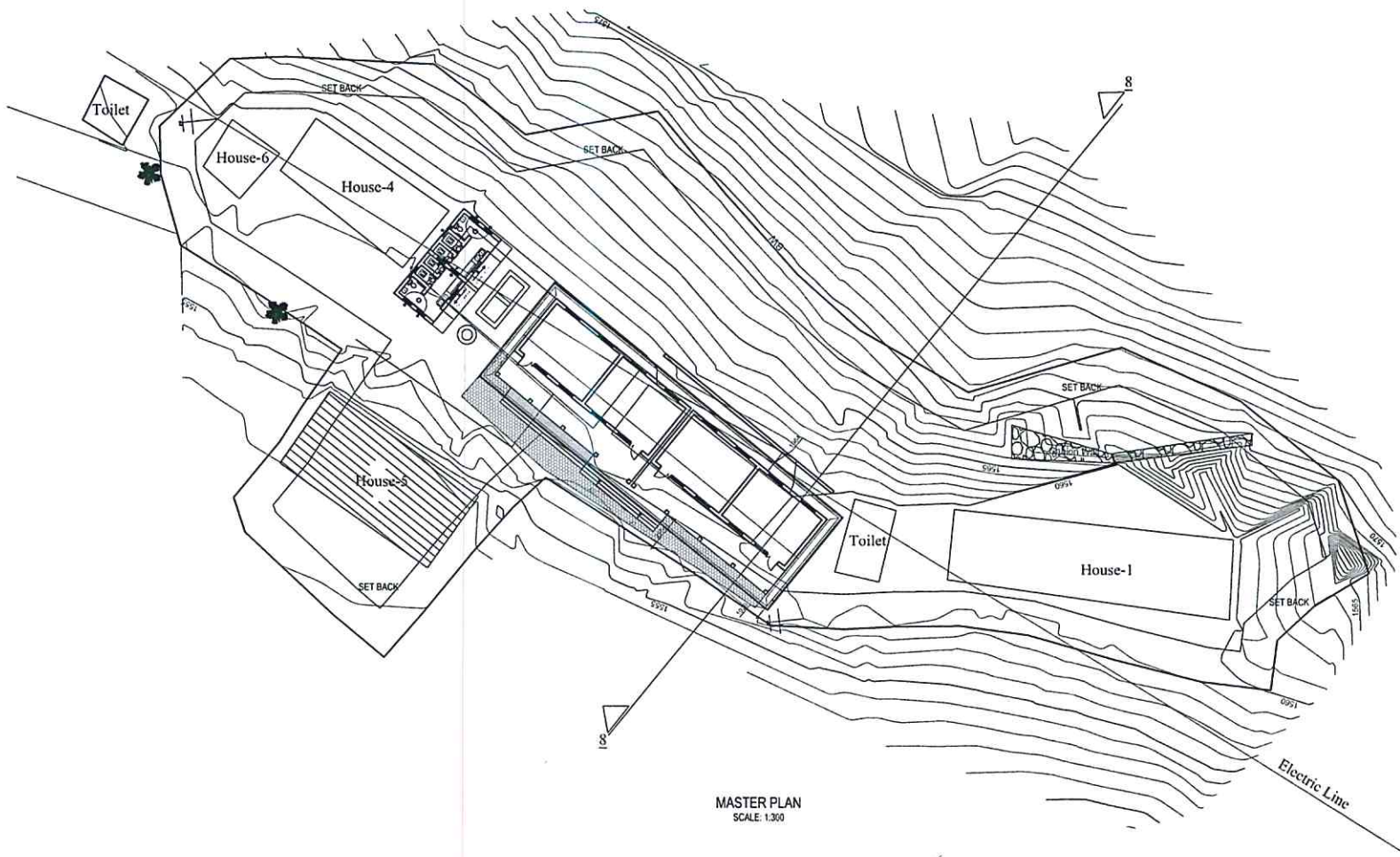
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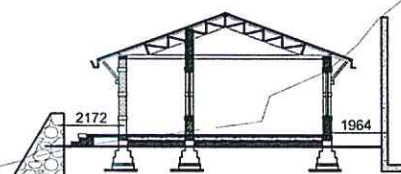
REVISION NO.: REVISION NO.

SHEET NO.

A-101



MASTER PLAN
SCALE: 1:300



SECTION AT 8-8
SCALE: 1:200

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:

8. Bheri - 9, Pouri, Nepal Rastriya School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
LINC-25, Teknawadi, 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		
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VII		
VIII		

CONTRACT NO.:

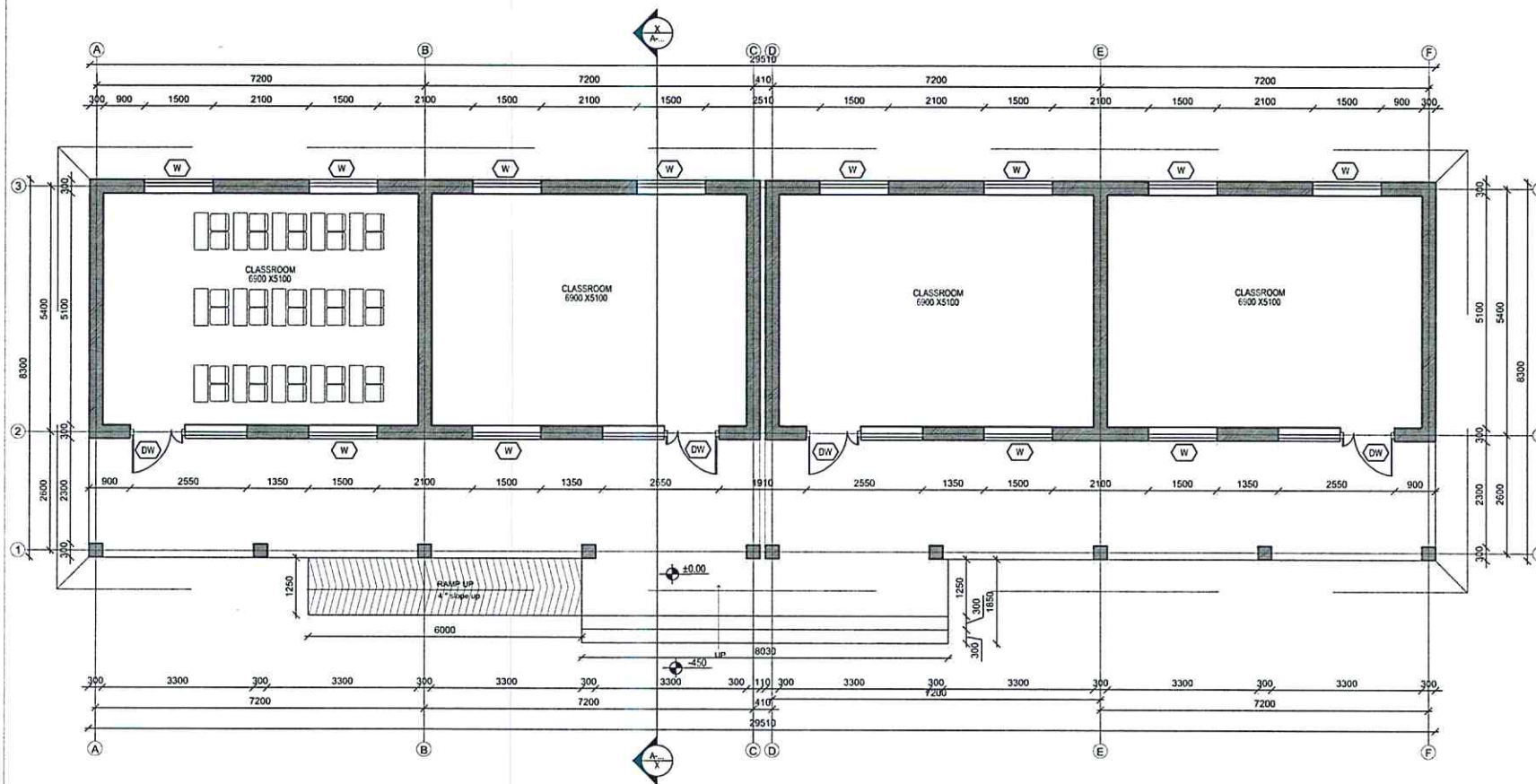
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DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

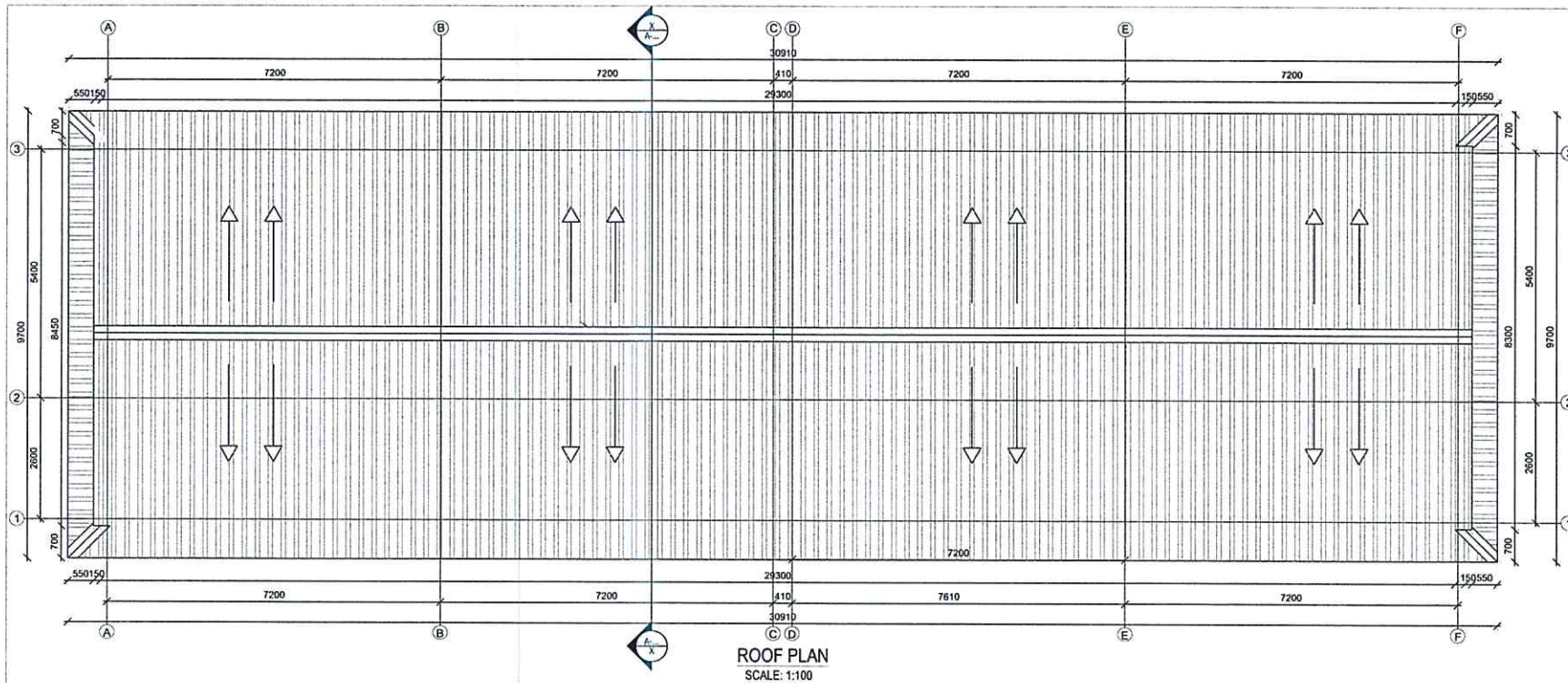
A-102



GROUND FLOOR PLAN

FLOOR AREA : 224.93 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:
8 Bheri - 9, Pouri, Nepal Rastriya School

CONSULTANT:
A. Not
Architecture N Architects (P.) Ltd.
P.O. Box 10, Kathmandu, Nepal

PRINCIPAL ARCHITECT:
Damodar Acharya

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

REVIEWED BY:

DRAWING TITLE
ROOF PLAN

NUM.	DESCRIPTION	DATE
I		
II		
III		
IV		
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VI		
VII		
VIII		

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

FINISHING DETAILS

SN	NAME OF SPACE AND BUILDING ELEMENT	NOS.	INSIDE FINISHES			OUTSIDE FINISHES			OTHER FINISHES
			WALL	FLOOR	CEILING	WALL	FLOOR	CEILING	
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	ROOF		-	-	-	-	-	-	-
5	GABBLE WALL		-	-	-	-	-	-	-
6	STRUTS		-	-	-	-	-	-	75X75 SAL WOOD 2 COAT CHAPRA WITH PRIMER
7	SILL AND LINTEL BANDS		-	-	-	-	-	-	12 MM THK. CS PLASTER 2 COAT WC WITH PRIMER
			CS: CEMENT SAND EP: EMULSION PAINT WC: WEATHER COAT						



A-103

NOTE:
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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:

8. Bheri - 9, Pouri, Nepal Rastriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Pragna Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE:

ELEVATIONS

REVISIONS

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CONTRACT NO.:

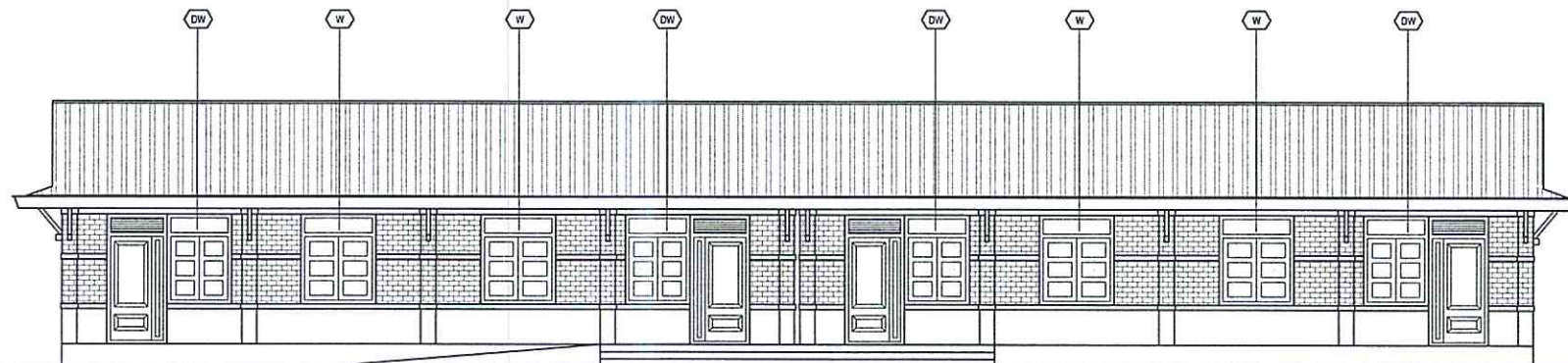
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DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

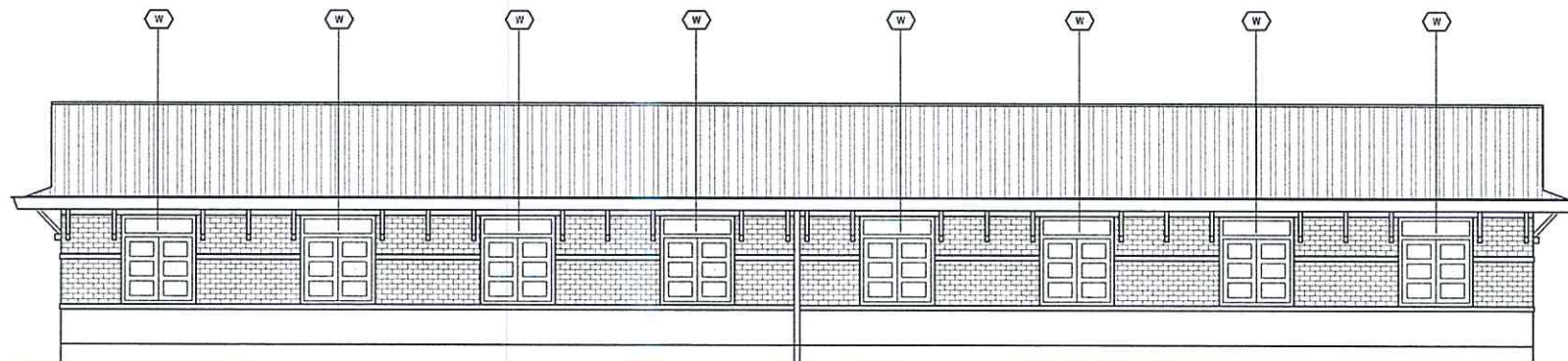
SHEET NO.

A-104



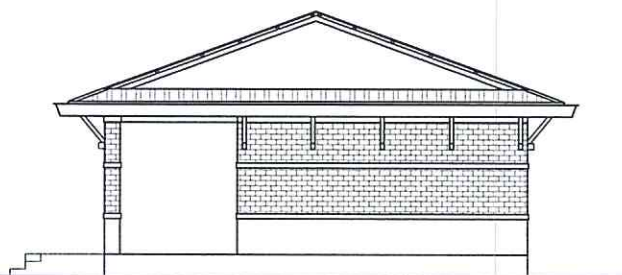
FRONT ELEVATION

SCALE - 1:100



BACK ELEVATION

SCALE - 1:100



RIGHT SIDE ELEVATION

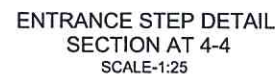
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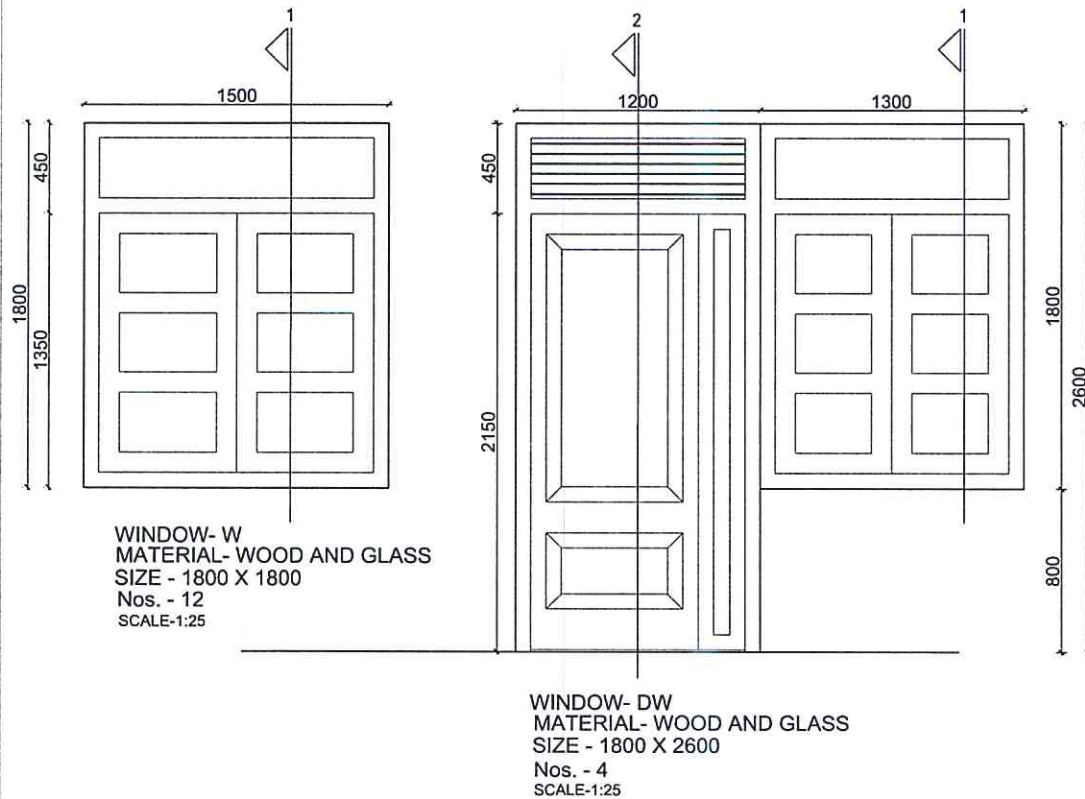
LEFT SIDE ELEVATION

SCALE - 1:100



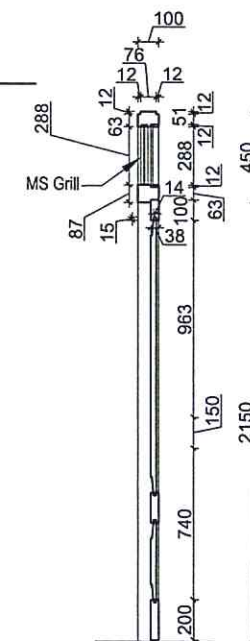


A-105



OPENING SCHEDULE

SN	OPENINGS	SYMBOL	NOS.	SIZE L X H	REMARKS.
1	DOOR AND WINDOW	DW	4	1200 X 2600	DOOR
				1300 X 1800	WINDOW
2	WINDOW	W	12	1500 X 1800	



NOTE:
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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:

8. Bheri - 9, Pouri, Nepal Rastriya School

CONSULTANT:

A. Not
Architecture N 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 Chhuyaki

REVIEWED BY:

DRAWING TITLE

DW DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
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CONTRACT NO.:

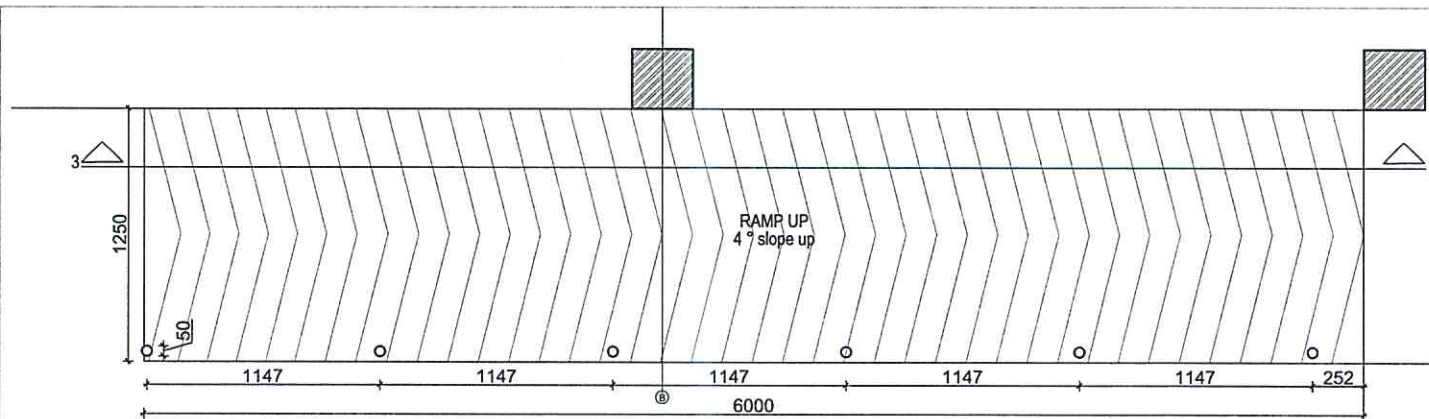
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DATE: 12 NOV. 2024

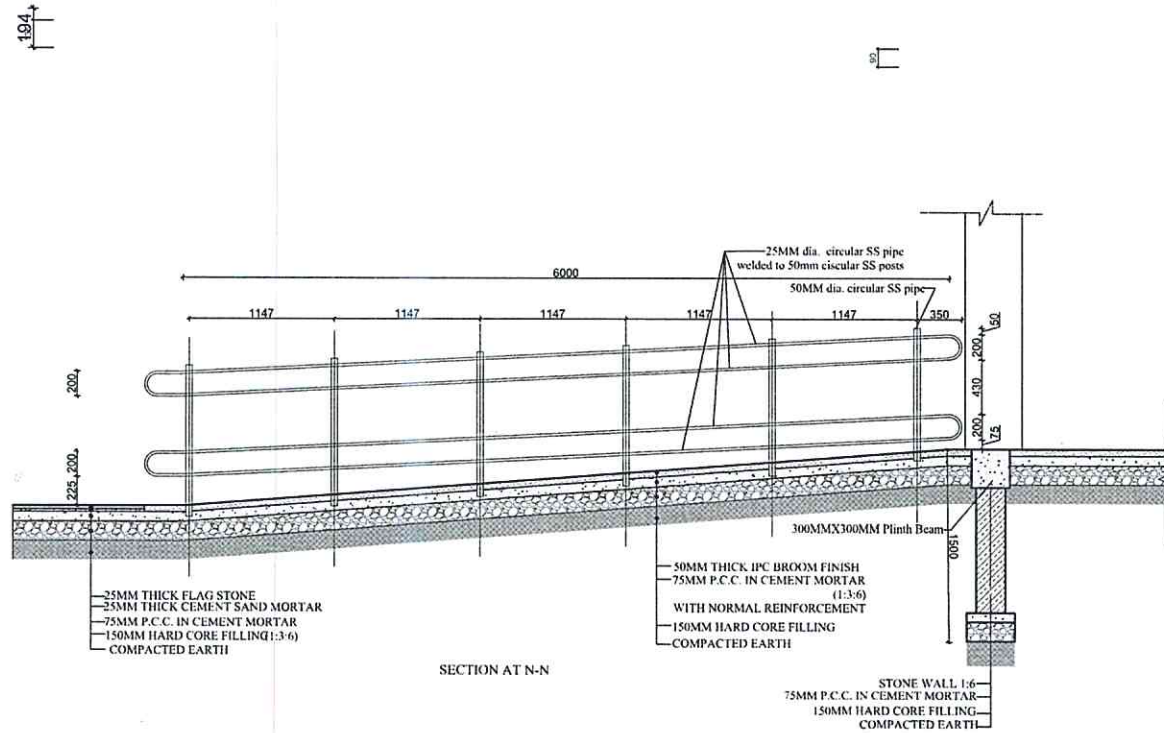
REVISION NO.: REVISION NO.

SHEET NO.

A-106



RAMP PLAN DETAIL
SCALE:1:25



SECTION AT N-N

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:

8 Bheri - 9, Pouri, Nepal Rastriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

DESIGN TEAM:

Sampurna Maharjan
Bidita Shakya
Raj Krishna Tamakhu
Prajna Maharjan
Anish Chhusyaki

REVIEWED BY:

DRAWING TITLE

RAMP DETAILS

REVISIONS

NUM.	DESCRIPTION	DATE
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VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

GENERAL NOTES:

- THESE NOTES APPLY TO ALL DRAWING SHEETS UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ ONLY.
- ALL DIMENSIONS ARE IN MILLIMETERS(MM) UNLESS NOTED OTHERWISE.
- 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
- RESOLVE ANY CONFLICT ON THE CONTRACT DOCUMENTS WITH THE ENGINEER BEFORE PROCEEDING WITH WORK. INCASE OF DISCREPANCY IN SIZES, DETAILS, CONDITIONS ETC. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST STRINGENT SIZE/DETAIL/CONDITION.
- 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.
- 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.
- FIELD DRILLING OF HOLES IN ANY STRUCTURAL MEMBER IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OR THE STRUCTURAL ENGINEER.
- UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
- 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.
- THE GEOLOGICAL CONDITION AND SOIL EXPLORATION NEEDS TO BE CARRIED OUT BEFORE EXECUTION OF WORK.
- "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.
- UNLESS OTHERWISE INDICATED ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED JOINTS WITH MINIMUM AMPLITUDE OF 5MM.
- 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:

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

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

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

REINFORCING STEEL:

- REINFORCEMENT SHALL BE THERMO MECHANICALLY TREATED(TMT) OF GRADE FE: 500 CONFORMING TO IS 1786:2008.
- LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (L_d)
- NOT MORE THAN HALF OF THE LONGITUDINAL BARS SHALL BE LAPPED AT A SECTION.
- LAP SPLICES SHALL BE PROVIDED ONLY IN THE MIDDLE HALF OF THE COLUMN.
- 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.
- DEVELOPMENT LENGTH (L_d) SHALL BE AS FOLLOW:

GRADE OF CONCRETE	M20
DEVELOPMENT LENGTH (L_d)	57 ϕ

STRUCTURAL STEEL:

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

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:
 - PROVIDED 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.

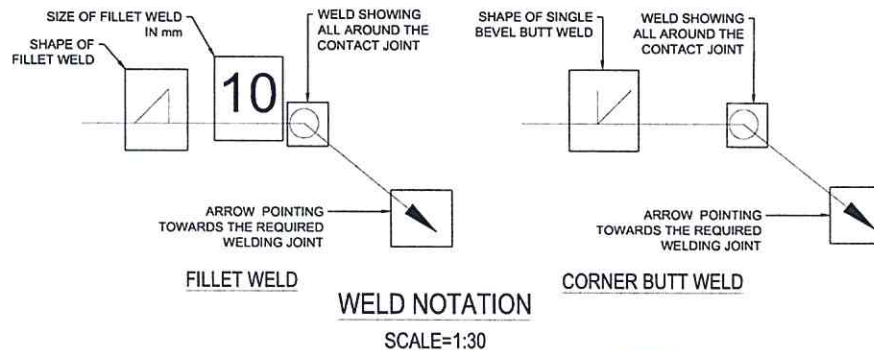
COMPRESSED STABILIZED EARTH BLOCK (CSEB):

- THE CSEB USED IN THE BUILDINGS ARE OF INTERLOCKING BRICKS WITH TWO HOLES.
- THE MINIMUM COMPRESSIVE STRENGTH OF CSEB SHALL BE 5 MPa.
- DIMENSION OF CSEB SHALL BE 150X300X100mm.
- 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:
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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:

8, Bhad - B, Palpa, Nepal Remedial School

CONSULTANT:

A. Not
Architecture & Interiors (P.) Ltd.
LUGU, Kathmandu, Nepal, 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		
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CONTRACT NO.:

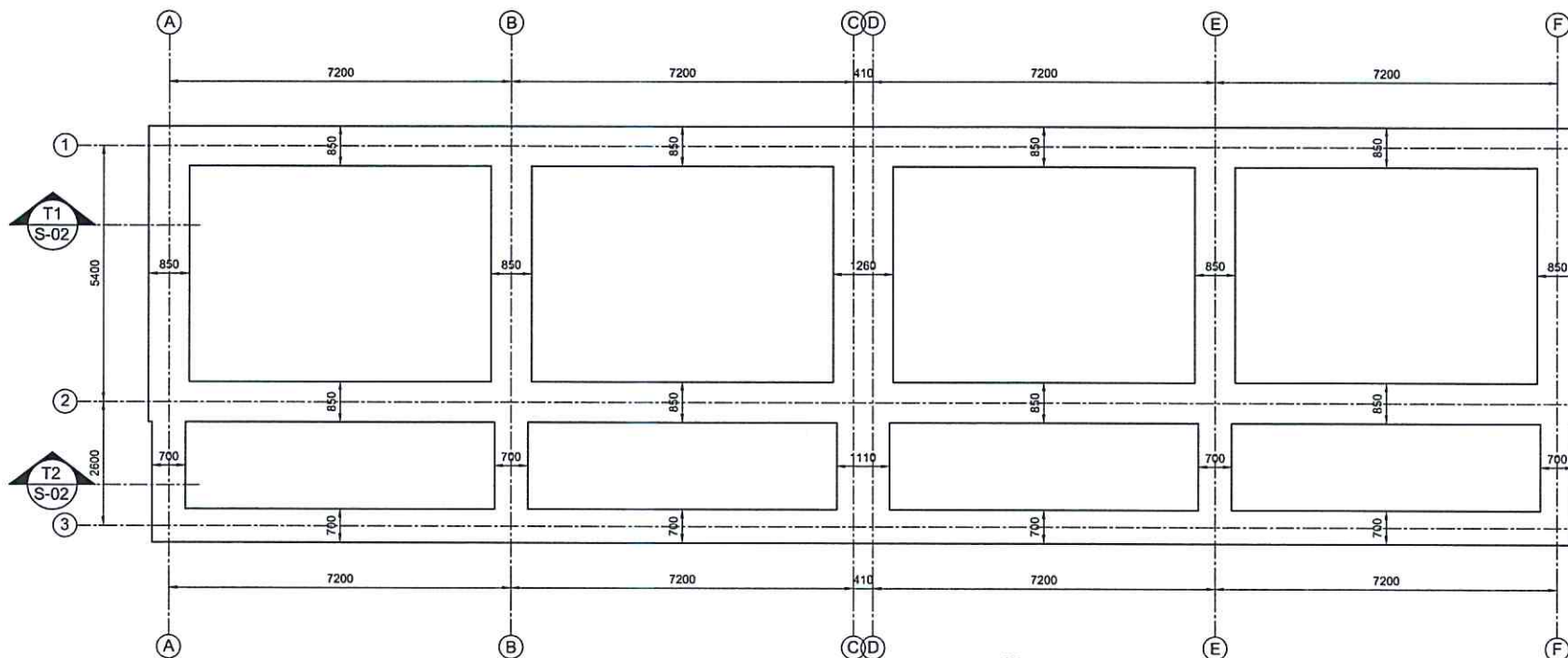
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DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-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 Pokhara West

PROJECT TITLE:

S. Bhel - II, Pout, Nepal Rasthika School

CONSULTANT:

A. Not
 Architecture & Architects (P.) Ltd.
 (NEC-6948 "CIVIL" "A")

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

TRENCH PLAN & SECTION

REVISIONS:

NO.	DESCRIPTION	DATE
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CONTRACT NO.:

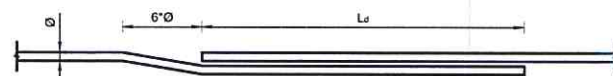
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REVISION NO.: REVISION I

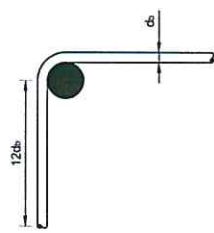
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S-102

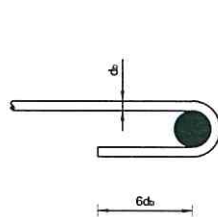


REBAR LAPPING DETAILS

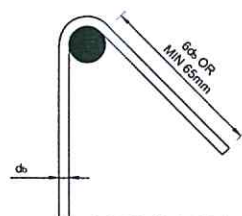
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90° HOOK
 NOT TO SCALE

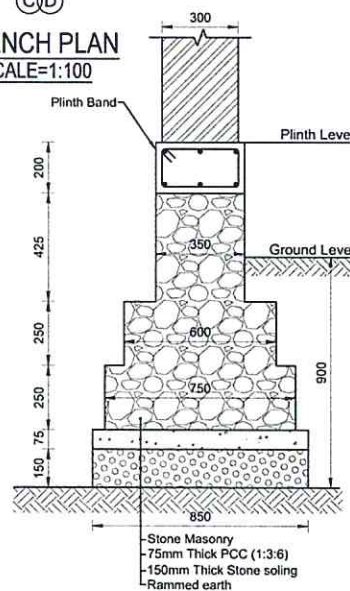


180° HOOK
 NOT TO SCALE

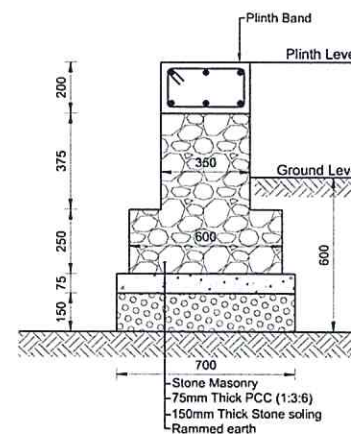


135° HOOK
 NOT TO SCALE

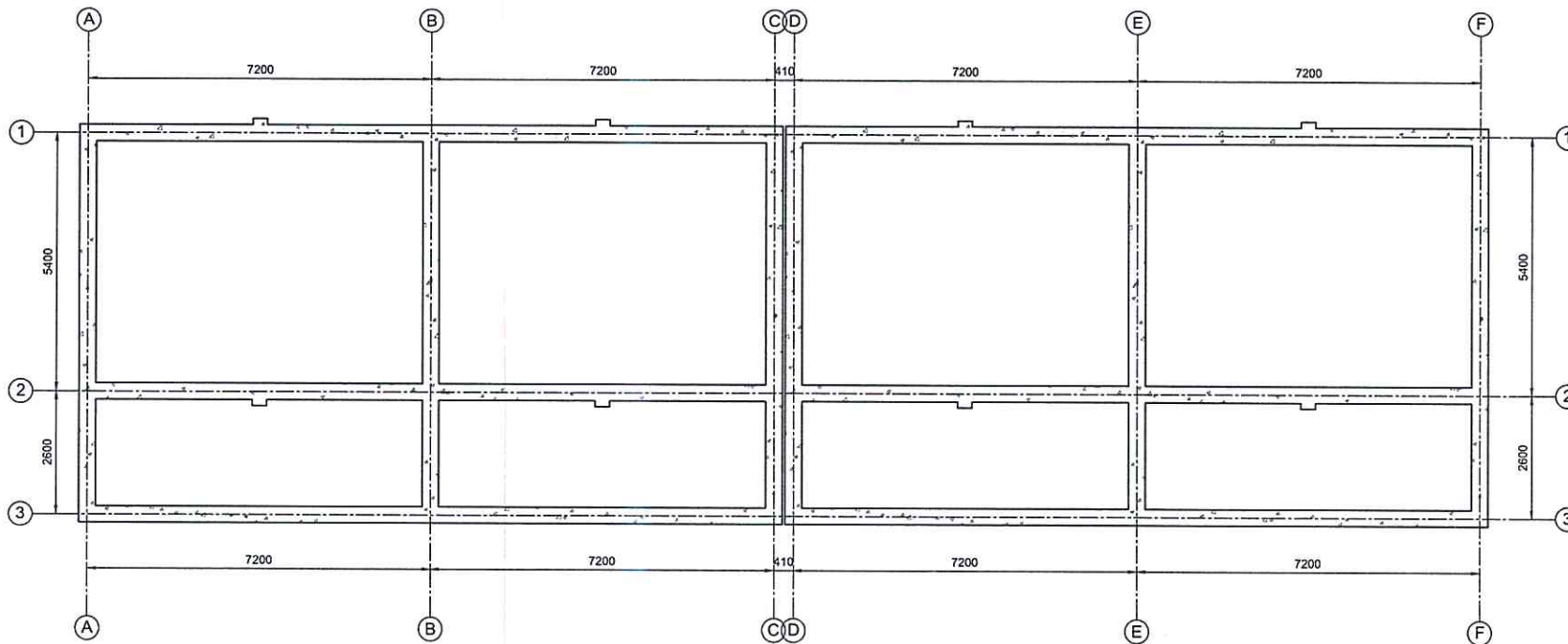
TRENCH PLAN
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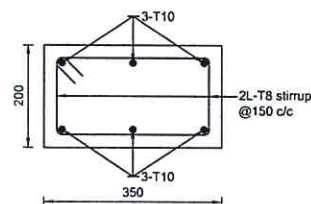
SECTION AT T1
 SCALE =1:20



SECTION AT T2
 SCALE =1:20



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 Rukum West

PROJECT TITLE:

B. Mand - II, Post, Nepal Rashtriya School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
(NEC-6948 "CIVIL" "A")

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

PLINTH BAND PLAN & SECTION

REVISIONS:

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CONTRACT NO.:

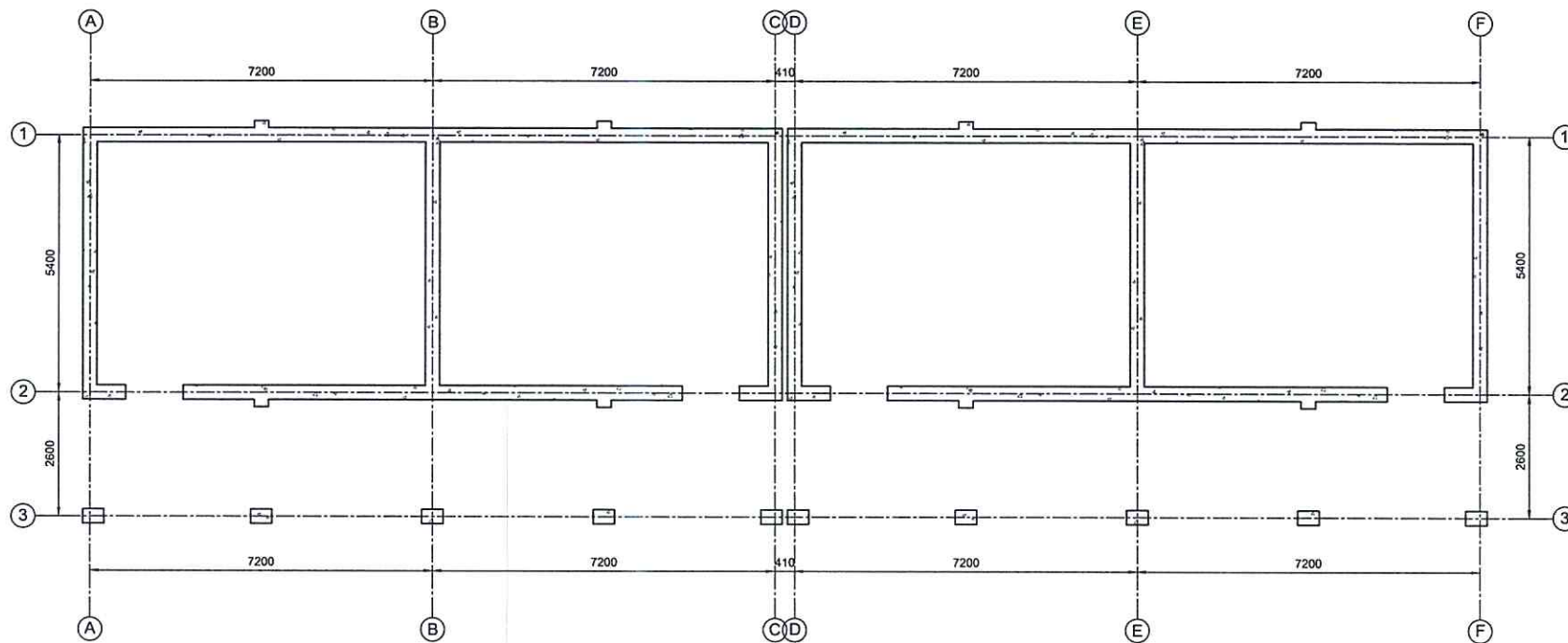
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DATE: 12 NOV. 2024

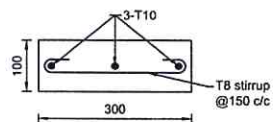
REVISION NO.: REVISION I

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 Pokhara West

PROJECT TITLE:

B. Bhair - II, Post, Nepal Rasthya School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
LUGNA, THAKUR, KATHMANDU, NEPAL

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

SILL BAND PLAN & SECTION

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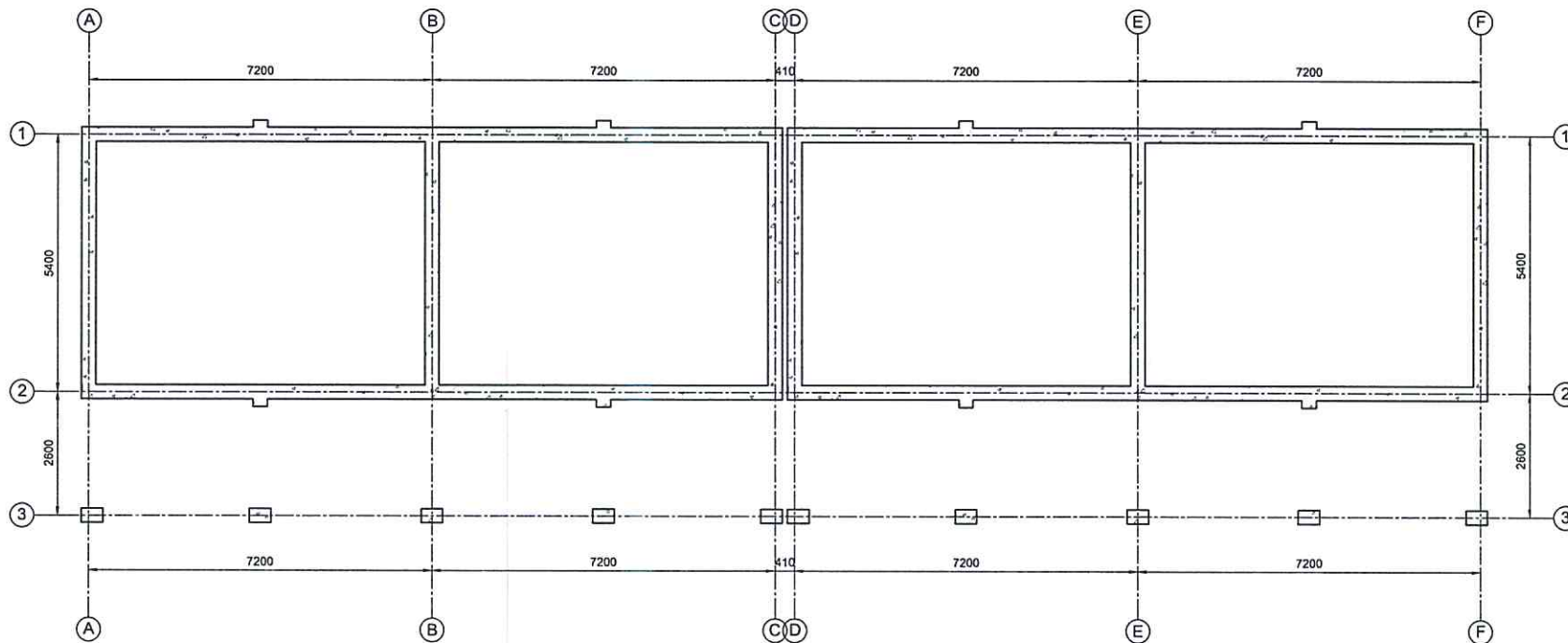
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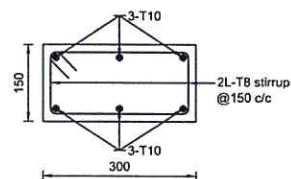
REVISION NO.: REVISION I

SHEET NO.

S-104



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 Jajarkot and Palpa District

PROJECT TITLE:

8, Binal - 8, Post, Nepal Health School

CONSULTANT:

A. Not
Architects & Engineers (P.) Ltd.
KATHMANDU, NEPAL

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

LINTEL BAND PLAN & SECTION

REVISIONS:

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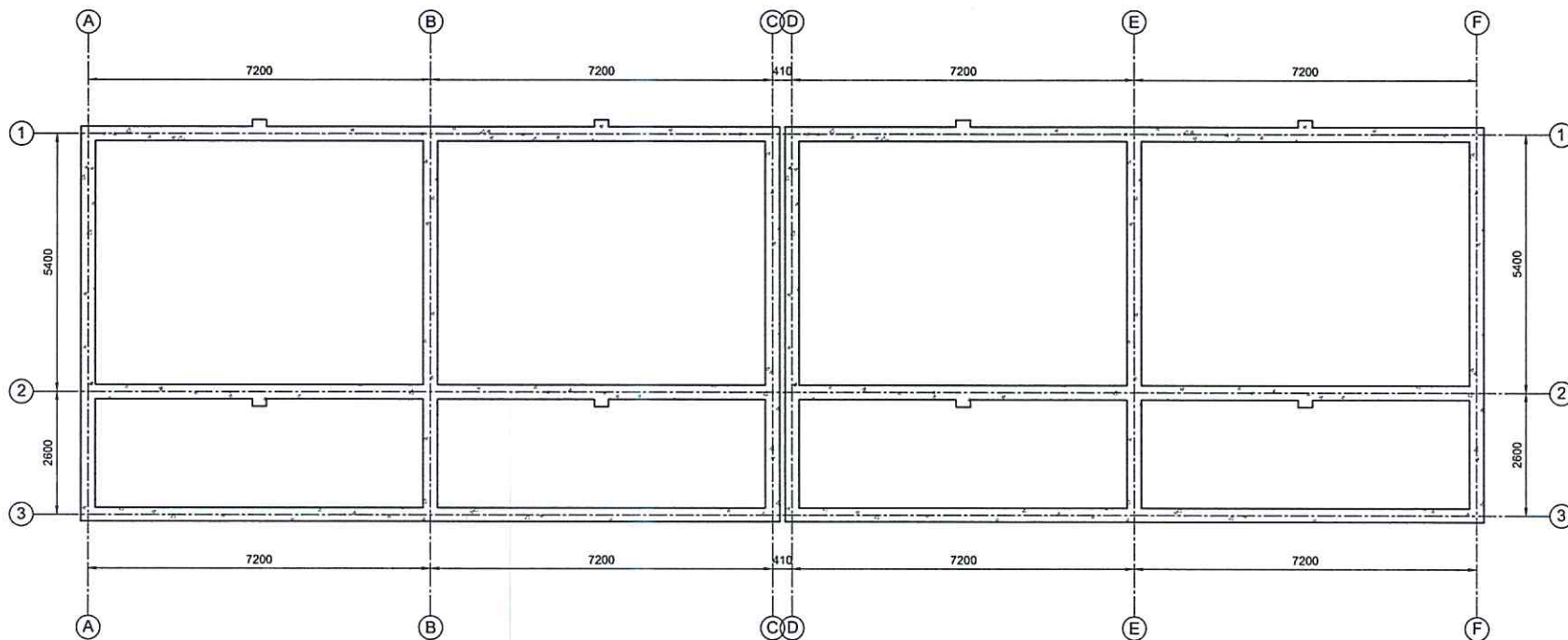
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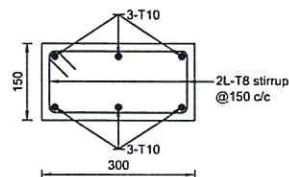
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.



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 Potham West

PROJECT TITLE:

S. Bhair - S. Poudel, Nepal Residential School

CONSULTANT:

A. Not
Architects & Architects (P.) Ltd.
UNCL, Thimphu, Bhutan, Lhasa

PRINCIPAL ARCHITECT:

Demoder Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

FLOOR BAND PLAN & SECTION

REVISIONS:

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CONTRACT NO.:

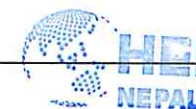
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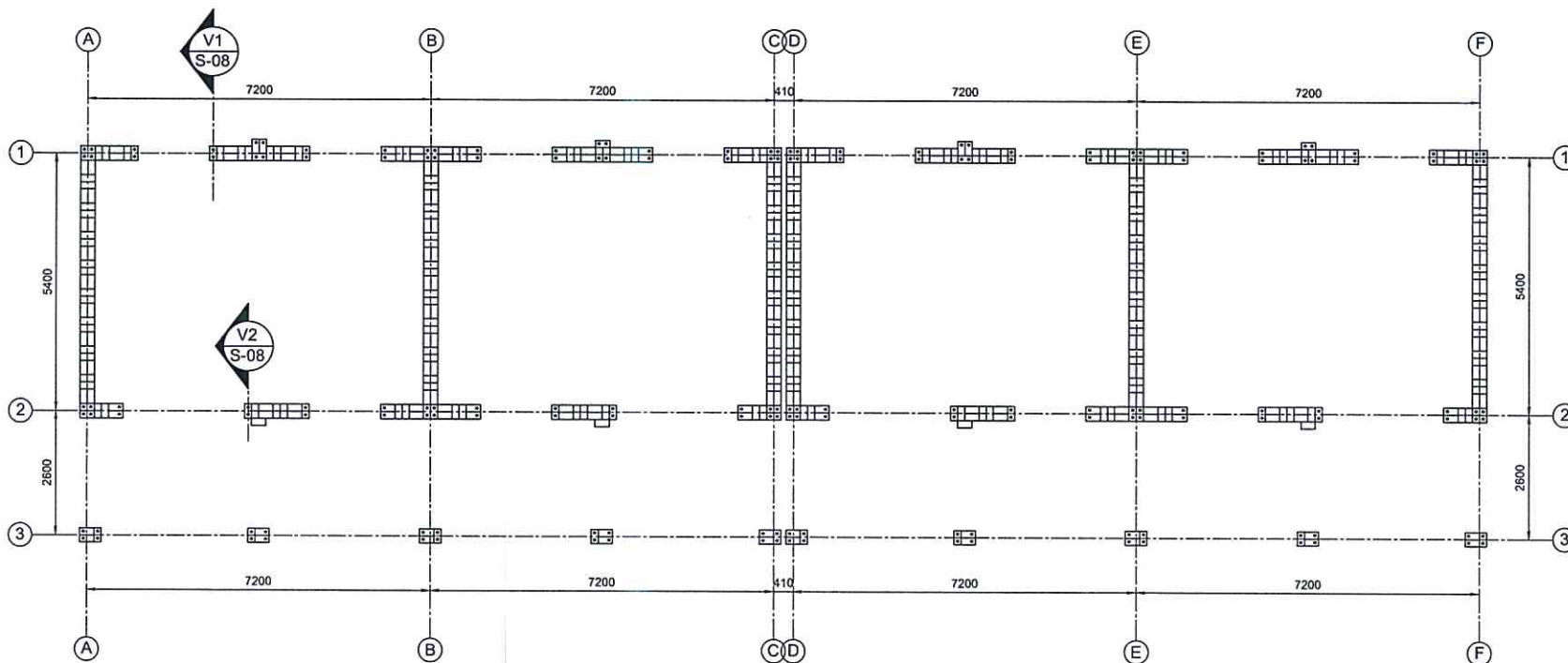
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-106





VERTICAL REINFORCEMENT PLAN
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 Pokhara West

PROJECT TITLE:

S. Bhair - II, Post, Nepal Himalaya School

CONSULTANT:

A. Not
Architects & Engineers (P.) Ltd.
LHD-10, Thapathali, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

VERTICAL REINFORCEMENT PLAN

REVISIONS:

NO.	DESCRIPTION	DATE
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CONTRACT NO.:

SCALE: AS SPECIFIED

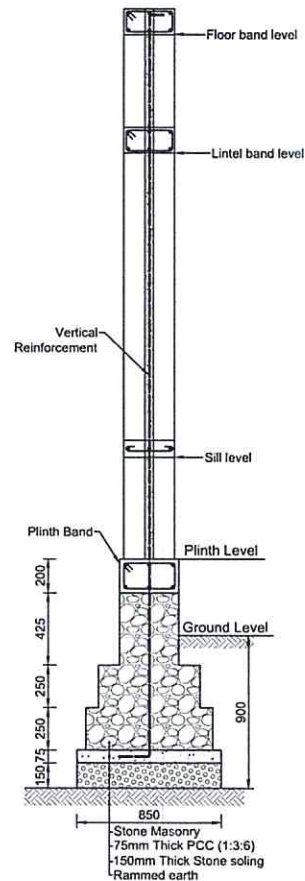
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REVISION NO.: REVISION I

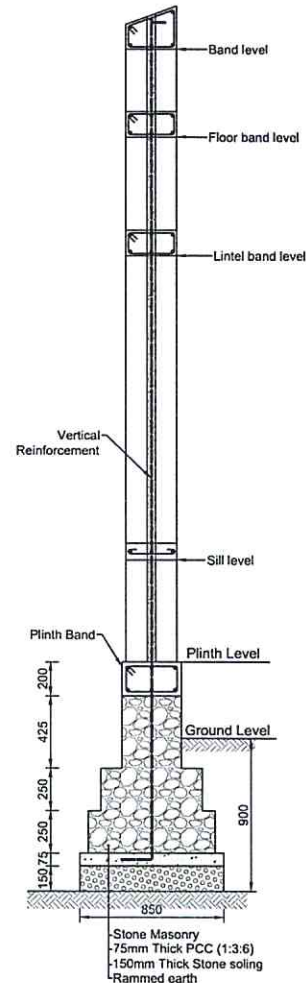
SHEET NO.

HELVETAS
NEPAL

S-107



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



WALL SECTION DETAILS WITH
RC BAND "V2"
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 Rubana West

PROJECT TITLE:

8. Bhed - 8, Post, Nepal Rasthya School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
UN-14, Teknashree, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

WALL SECTION

REVISIONS:

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CONTRACT NO.:

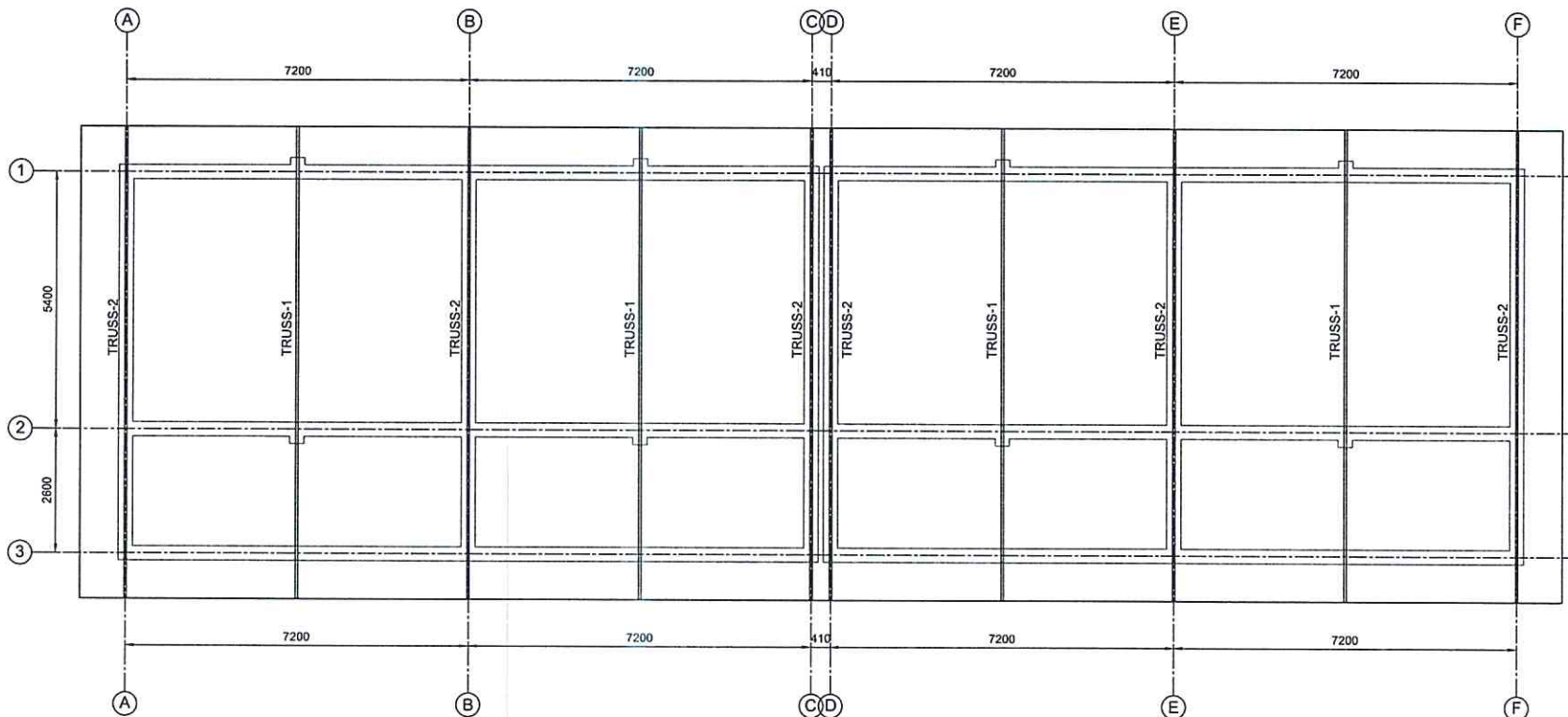
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-108



TRUSS LAYOUT PLAN
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:

B. Bhand - B, Post, Nepal Rasthya School

CONSULTANT:

A. Not
Architects & Engineers (P.) Ltd.
D-10/11, Thapathali, 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
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CONTRACT NO.:

SCALE: AS SPECIFIED

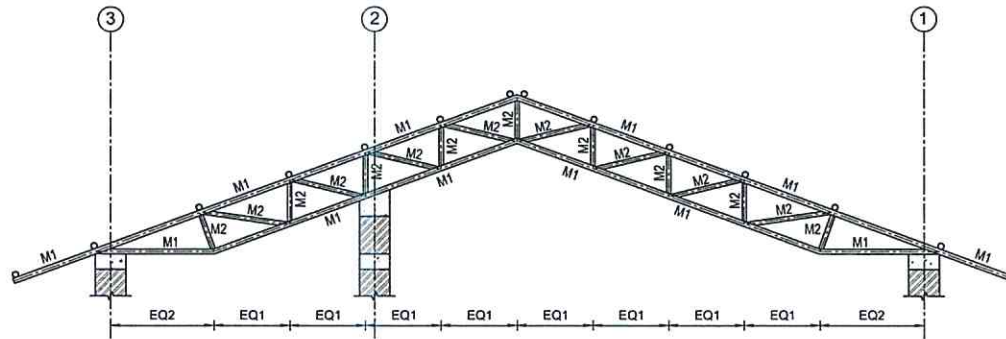
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REVISION NO.: REVISION I

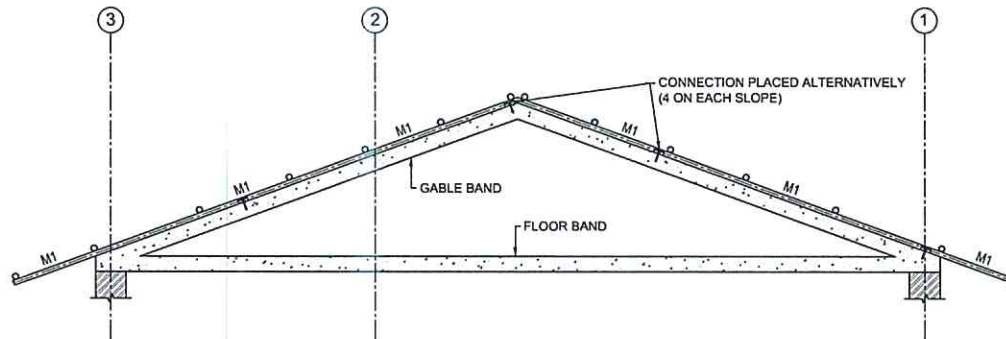
SHEET NO.

S-109

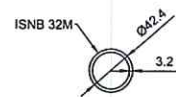
LEGEND:
M1=ISNB 40M
M2=ISNB 32M
PR1= ISNB 50M



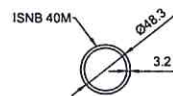
TRUSS-1 SECTION DETAILS
SCALE=1:50



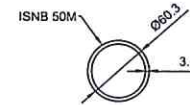
TRUSS-2 SECTION DETAILS
SCALE=1:50



SECTION AT "M1"
SCALE=1:5



SECTION AT "M2"
SCALE=1:5



SECTION AT "PR1"
SCALE=1:5

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:

8, Binal - 8, Poud, Nepal Rasthye School

CONSULTANT:

A. Not
Architecture & Architects (P.) Ltd.
UN-12, THERMAL, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Demodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

TRUSS SECTION

REVISIONS:

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

CONTRACT NO.:

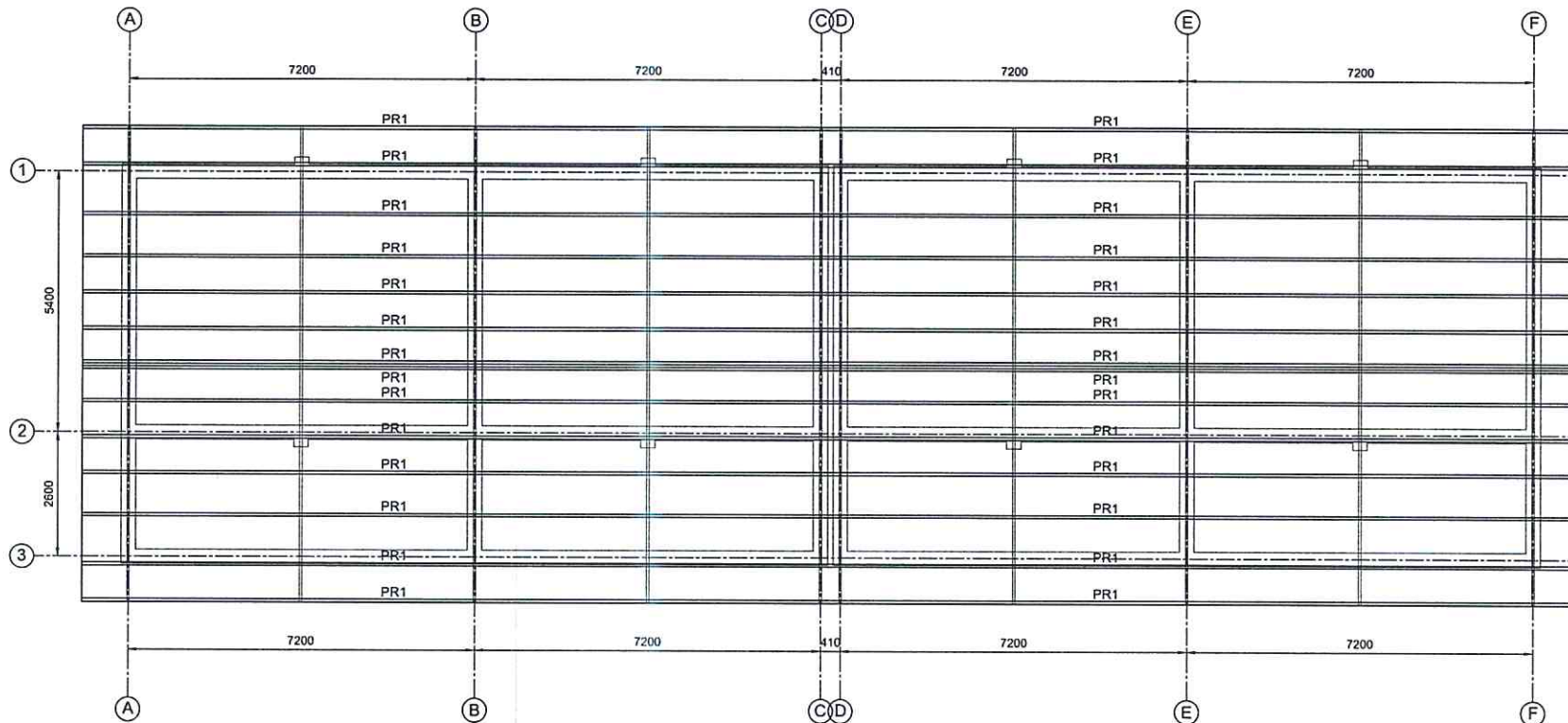
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

S-110



PURLIN PLAN
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. Bhef - S. Post, Nepal Rasthya School

CONSULTANT:

 A Not
Architects N Architects (P.) Ltd.
UN-15, THAKUR, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

PURLIN PLAN

REVISIONS:

NO.	DESCRIPTION	DATE
I		
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V		
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VII		
VIII		

CONTRACT NO.:

SCALE: AS SPECIFIED

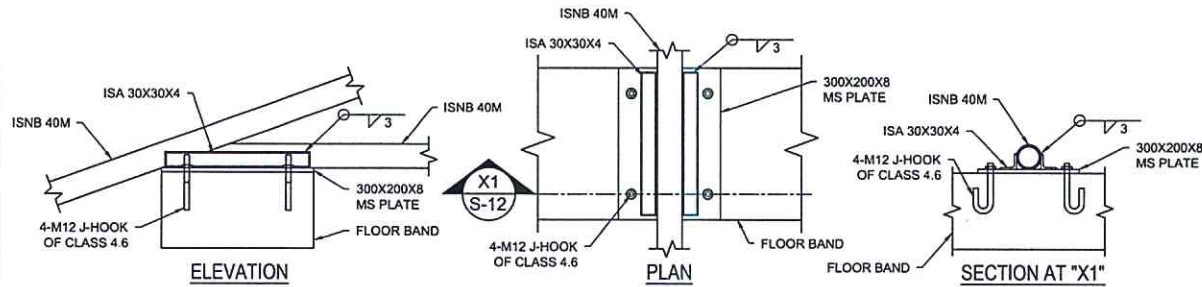
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

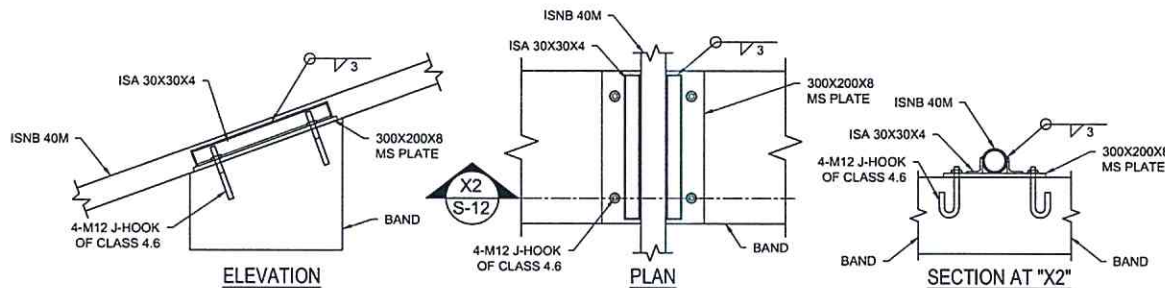
SHEET NO.

S-111

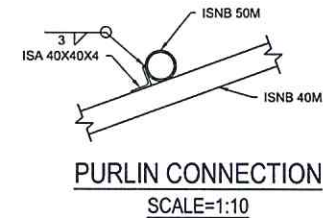
 HELVETAS
NEPAL



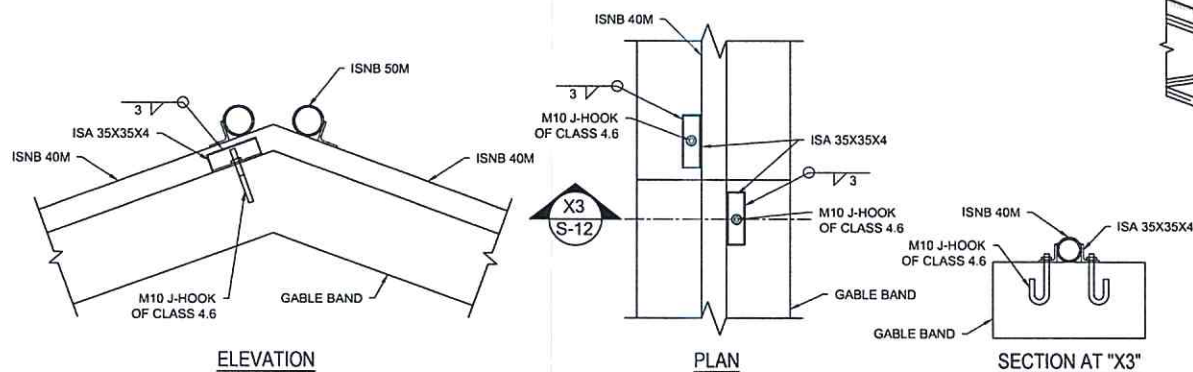
TRUSS & FLOOR BAND CONNECTION
SCALE=1:10



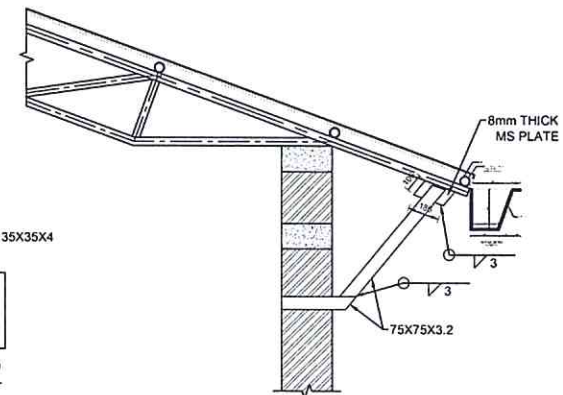
TRUSS & BAND CONNECTION
SCALE=1:10



PURLIN CONNECTION
SCALE=1:10



TRUSS & GABLE BAND CONNECTION
SCALE=1:10



TRUSS & CSEB WALL CONNECTION
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 Palpa West

PROJECT TITLE:

8, Binal - 8, Post, Nepal Reddy School

CONSULTANT:

A. Not
Architects & Engineers (P.) Ltd.
LUGNA, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

STRUCTURAL ENGINEER:

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

REVIEWED BY:

DRAWING TITLE:

**TYPICAL TRUSS CONNECTION
DETAILS**

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
III		
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V		
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VII		
VIII		

CONTRACT NO.:

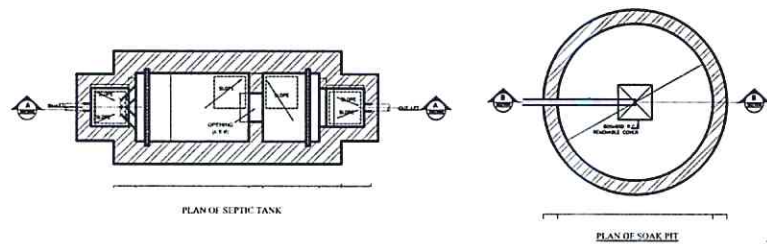
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DATE: 12 NOV. 2024

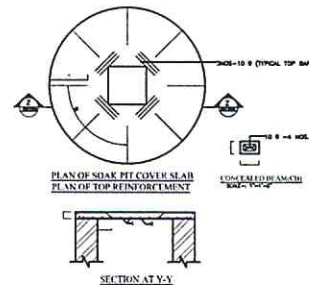
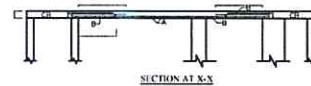
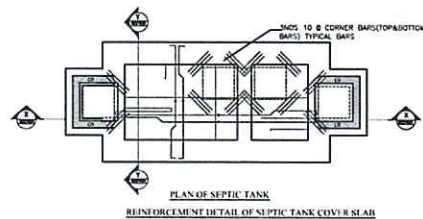
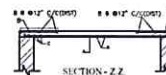
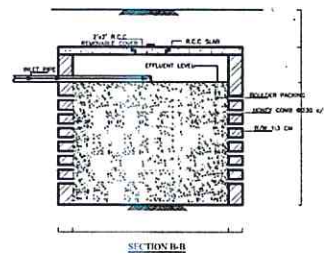
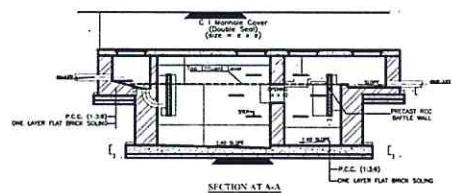
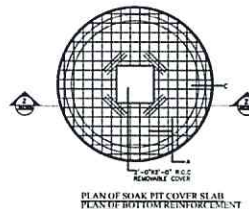
REVISION NO.: REVISION I

SHEET NO.

S-112



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



SCHEDULE OF REINFORCEMENT DETAIL (SEPTIC TANK)

SEPTIC TANK NO.	SLAB TH (in)	REINFORCEMENT		
		D	E	F
1, 2, 3	4"	8 @ 6"/C	8 @ 8"/C	8 @ 16"/C
4, 5, 6	4 1/2"	8 @ 6"/C	8 @ 8"/C	8 @ 16"/C
7, 8	4 1/2"	10 @ 6"/C	8 @ 8"/C	8 @ 16"/C
9	5"	10 @ 6"/C	8 @ 8"/C	8 @ 12"/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	8 @ 12"/C	3-8 @ 4"/C
4, 5, 6	5"	10 @ 6"/C	10 @ 12"/C	3-10 @ 4"/C
7, 8	6"	10 @ 6"/C	10 @ 12"/C	3-10 @ 4"/C
9	6 1/2"	12 @ 6"/C	12 @ 12"/C	4-10 @ 4"/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"	3'-0"	1 x S P - 1
Up to 10	S T - 2	5'-0"	3'-0"	3'-3"	3'-3"	1 x S P - 2
Up to 15	S T - 3	6'-0"	3'-0"	4'-0"	3'-3"	1 x S P - 3
Up to 20	S T - 4	7'-0"	3'-0"	4'-6"	3'-3"	1 x S P - 4
Up to 30	S T - 5	8'-0"	4'-0"	4'-6"	4'-0"	1 x S P - 5
Up to 50	S T - 6	8'-8"	4'-3"	6'-0"	5'-0"	1 x S P - 6
Up to 100	S T - 7	13'-0"	6'-6"	6'-6"	6'-6"	2 x S P - 8
Up to 150	S T - 8	15'-0"	7'-6"	8'-3"	8'-0"	3 x S P - 8
Up to 200	S T - 9	18'-8"	8'-8"	8'-0"	8'-0"	4 x S P - 8
Up to 300	S T - 10	23'-0"	11'-8"	9'-9"	8'-8"	6 x S P - 8

SCHEDULE OF SOAK PIT

Soak Pit No.	Diameter D	Depth H	Wall Thickness T
S P - 1	5'-0"	6'-8"	9"
S P - 2	6'-8"	6'-8"	9"
S P - 3	8'-3"	8'-8"	9"
S P - 4	9'-8"	8'-8"	14"
S P - 5	12'-0"	8'-8"	14"
S P - 6	16'-8"	8'-0"	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:

8. Nepal Rastriya School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
1/10/11, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

SEPTIC TANK AND SOAK PIT
DETAIL

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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CONTRACT NO.:

SCALE: AS SPECIFIED

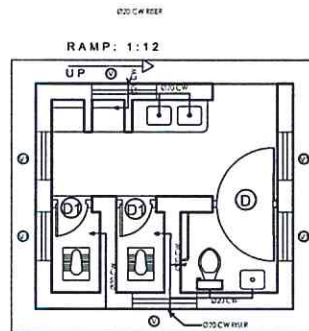
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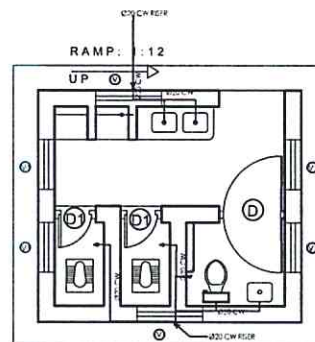
SHEET NO.

P-101





TYPICAL BOYS TOILET



TYPICAL GIRLS TOILET

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:

8. Nepal Rastriya School

CONSULTANT:

A. Not
Architecture N Architects (P.) Ltd.
199/177, Kathmandu, Nepal

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

WATER SUPPLY LAYOUT

REVISIONS:

NUM	DESCRIPTION	DATE
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CONTRACT NO.:

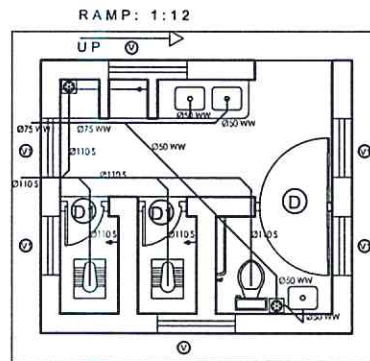
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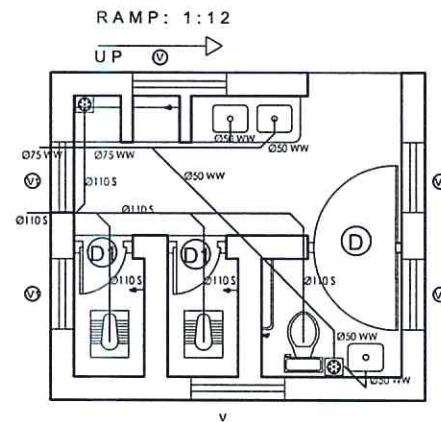
REVISION NO.: REVISION NO.

SHEET NO.

P-102



TYPICAL BOYS TOILET



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:

8. Nepal Rastriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

Damodar Acharya

SANITARY ENGINEER:

PABAN RUPAKHETI

REVIEWED BY:

DRAWING TITLE:

Sanitary Layout Plan

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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VII		
VIII		

CONTRACT NO.:

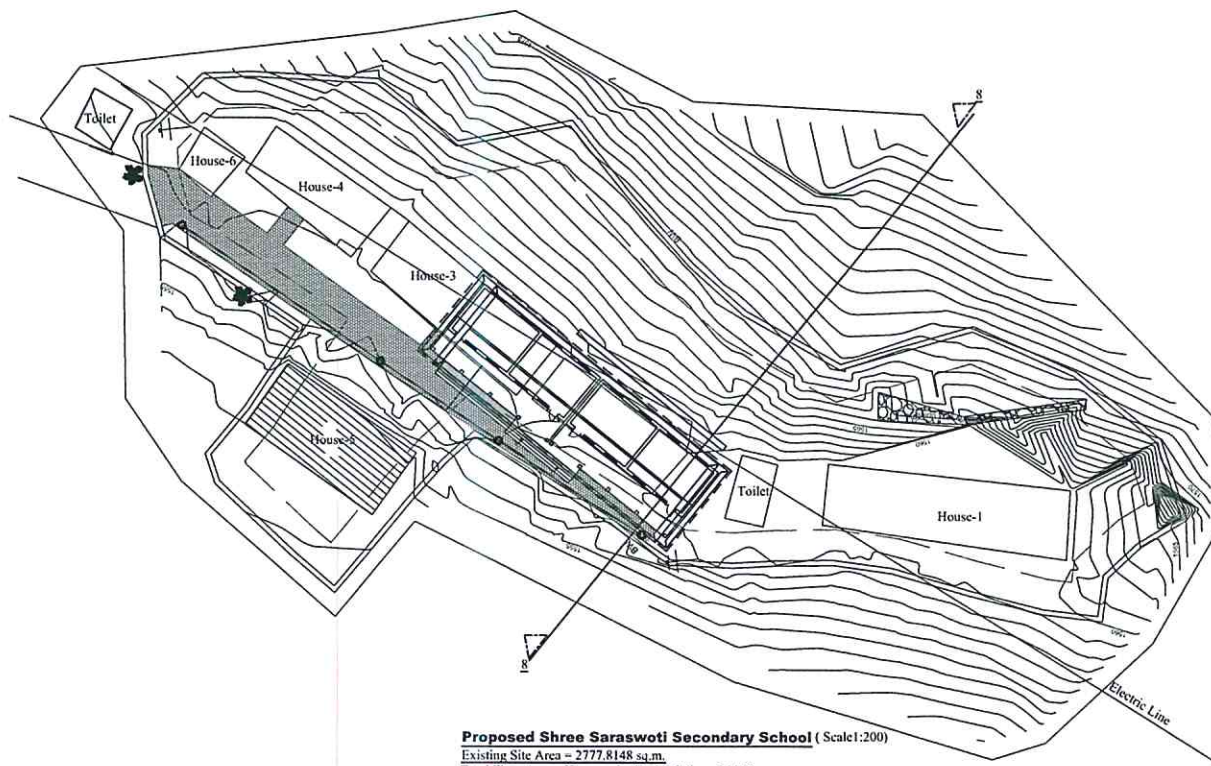
SCALE: AS SPECIFIED

DATE: 12 NOV. 2024

REVISION NO.: REVISION NO.

SHEET NO.

P-103



Proposed Shree Saraswati Secondary School (Scale: 1:200)
 Existing Site Area = 2777.8148 sq.m.
 Total Floor Area of Proposed school building = 244.02 sq.m.
 Number of storey = 1
 Number of Classrooms = 4
 Classrooms size = 5.1m X 6.9m

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 Rautam West

PROJECT TITLE:

S. Bhen-B, Pout:
 Nepal Rastriya School

CONSULTANT

A. Not
 Architecture N Architects (P.) Ltd.
 (P.O. Box 10, Kathmandu, Nepal)

PRINCIPAL ARCHITECT:

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

ELECTRICAL ENGINEER

LILA RAJ GAUTAM
 (NEC- 906 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

ELECTRICAL MASTERPLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
II		
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CONTRACT NO.:

SCALE: 1:500

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

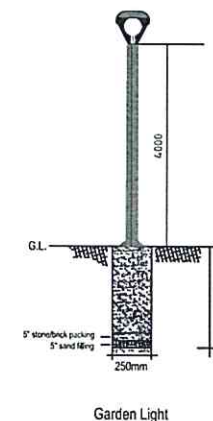
SHEET NO.

E-101

HELVETAS
 NEPAL

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:
B. Bhen-9, Post:
Nepal Rashtriya School

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

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

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 906 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:
LEGEND AND DETAIL

REVISIONS:

NUM.	DESCRIPTION	DATE
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CONTRACT NO.:

SCALE:

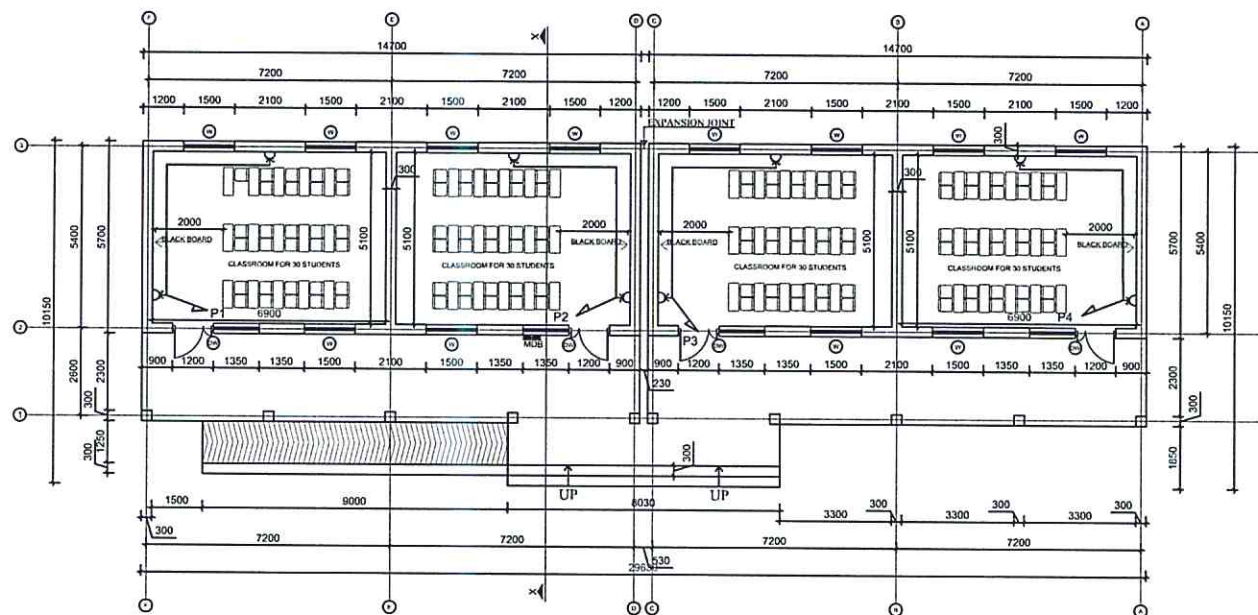
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-102

R



GROUND FLOOR PLAN
FLOOR AREA=167.580 Sq. m
CORRIDOR AREA =76.440 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:

8. Bheni-9, Pour,
Nepal Rastriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

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

ELECTRICAL ENGINEER

LILA RAJ GAUTAM
(NEC- 906 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

GROUND FLOOR PLAN
POWER SUPPLY PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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CONTRACT NO.:

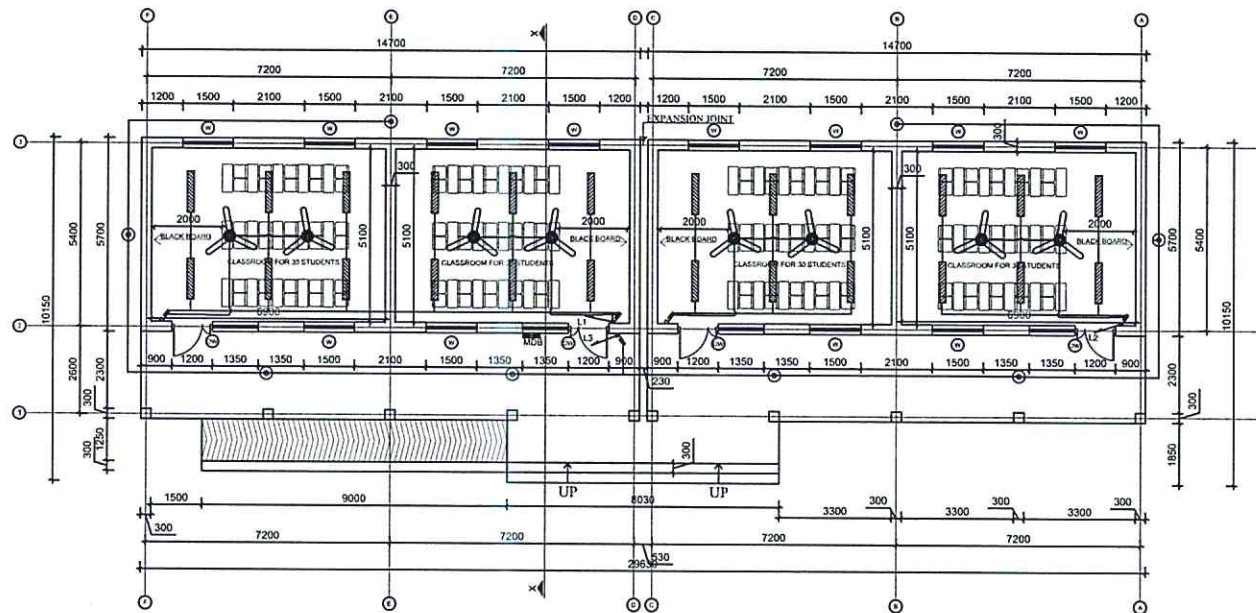
SCALE: 1:150

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-103



GROUND FLOOR PLAN

FLOOR AREA=167.580 Sq. m
CORRIDOR AREA=76.440 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:

8. Bhen-9, Pour,
Nepal Rastriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

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

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 906 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

GROUND FLOOR PLAN
LIGHT PLAN

REVISIONS:

NUM.	DESCRIPTION	DATE
I		
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III		
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CONTRACT NO.:

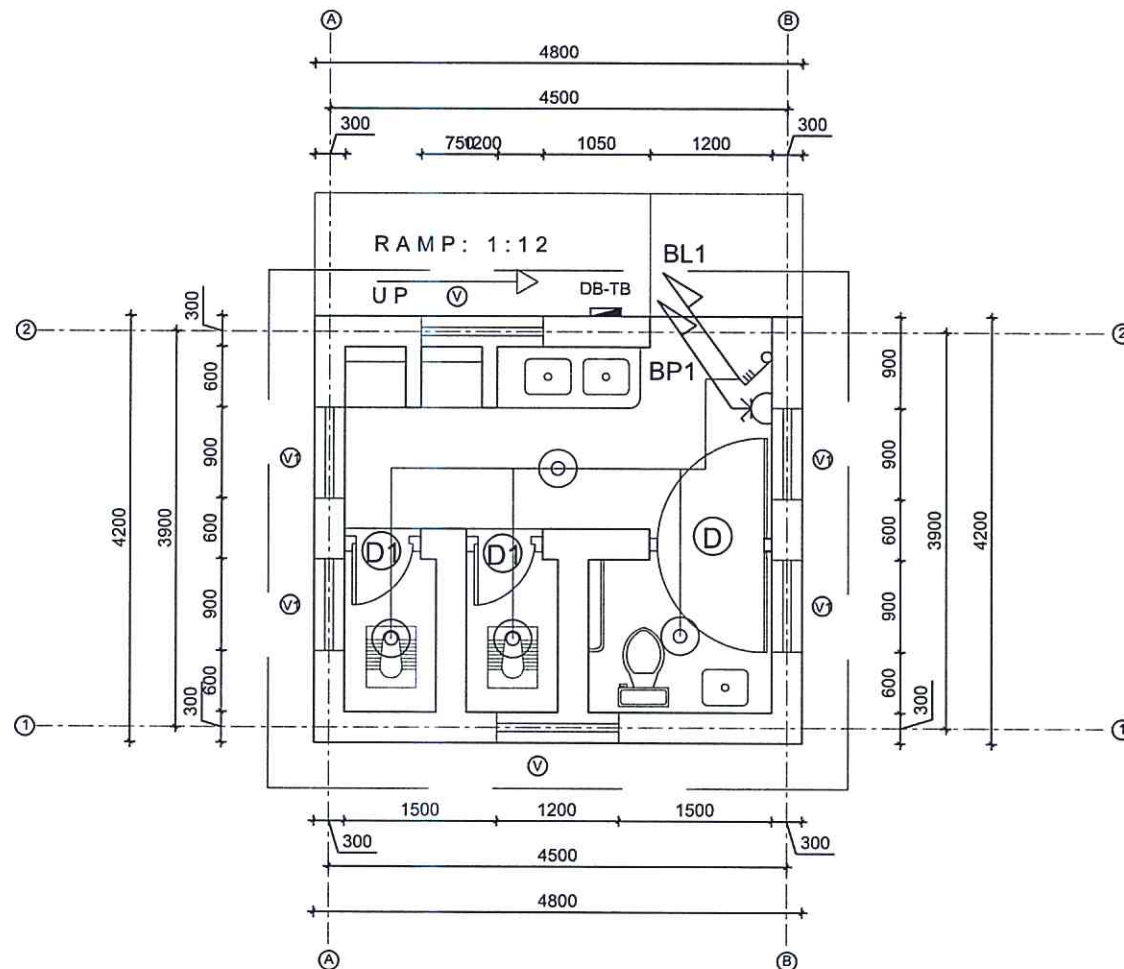
SCALE: 1:150

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-104



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:
B. Bhanu, Pout,
Nepal Rastriya School

CONSULTANT:
A. Not
Architecture N Architects (P.) Ltd.
REG-15, Kathmandu, Nepal

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

ELECTRICAL ENGINEER:
LILA RAJ GAUTAM
(NEC- 906 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:
TYPICAL BOYS TOILET
POWER SUPPLY AND LIGHT PLAN

NUM.	DESCRIPTION	DATE
I		
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VIII		

CONTRACT NO.:

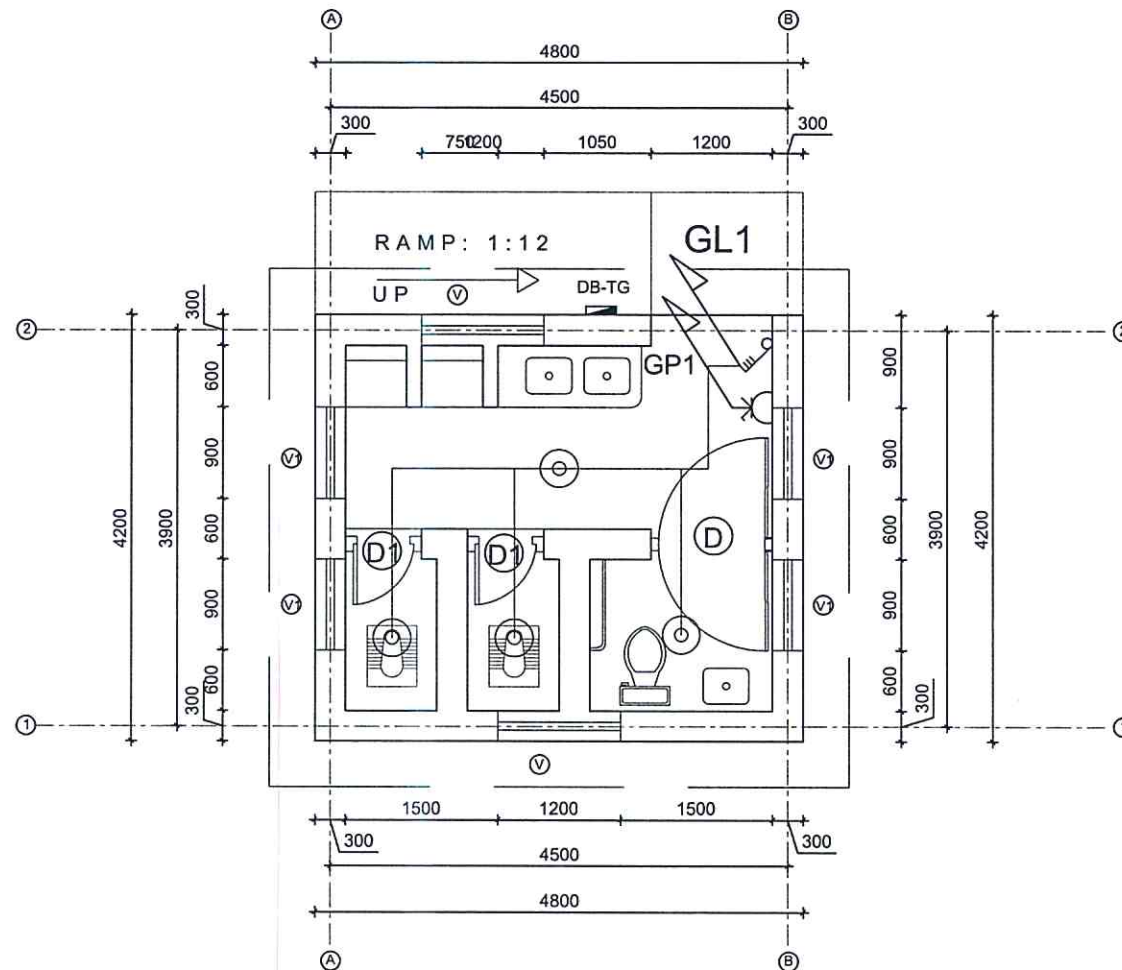
SCALE: 1:50

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-105



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 Raikam West

PROJECT TITLE:

8. Bhen-9, Paur,
Nepal Rastriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

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

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 906 "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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VII		
VIII		

CONTRACT NO.:

SCALE: 1:50

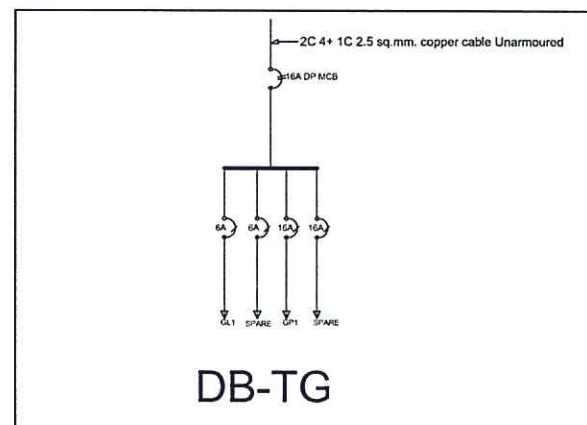
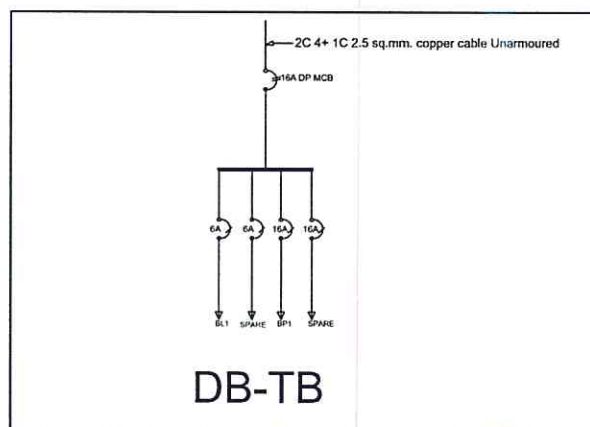
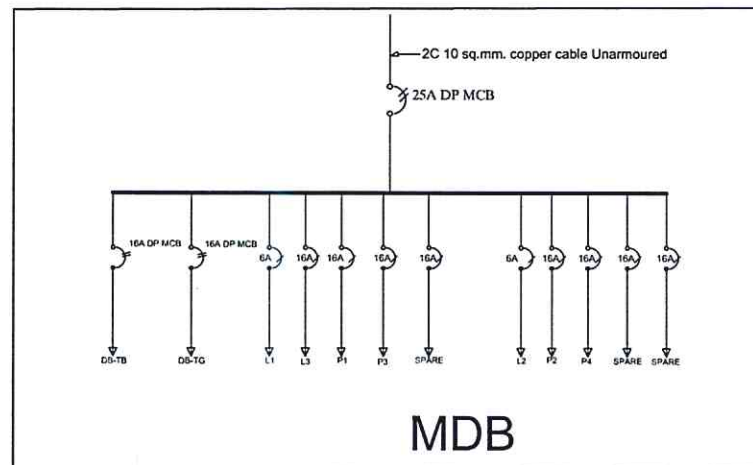
DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-106

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 Rukum West

PROJECT TITLE:

8, Bheri-9, Pout:
Nepal Rashtriya School

CONSULTANT:

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

PRINCIPAL ARCHITECT:

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

ELECTRICAL ENGINEER:

LILA RAJ GAUTAM
(NEC- 906 "ELECTRICAL" "A")

REVIEWED BY:

DRAWING TITLE:

SINGLE LINE DIAGRAM
MDB
DB-TB
DB-TG

REVISIONS:

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

CONTRACT NO.:

SCALE:

DATE: 12 NOV. 2024

REVISION NO.: REVISION I

SHEET NO.

E-107