

PRIMARY HEALTH CARE UNIT (Normal Soil)


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Program




Enhancing Community
Resilience and Local
Governance Project
Phase II (ECRP II)

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED PRIMARY HEALTH CARE UNIT

Drawing Tittle

COVER PAGE

Designed By: H.A

Drawn by: H.A

Checked: F.E & G.O

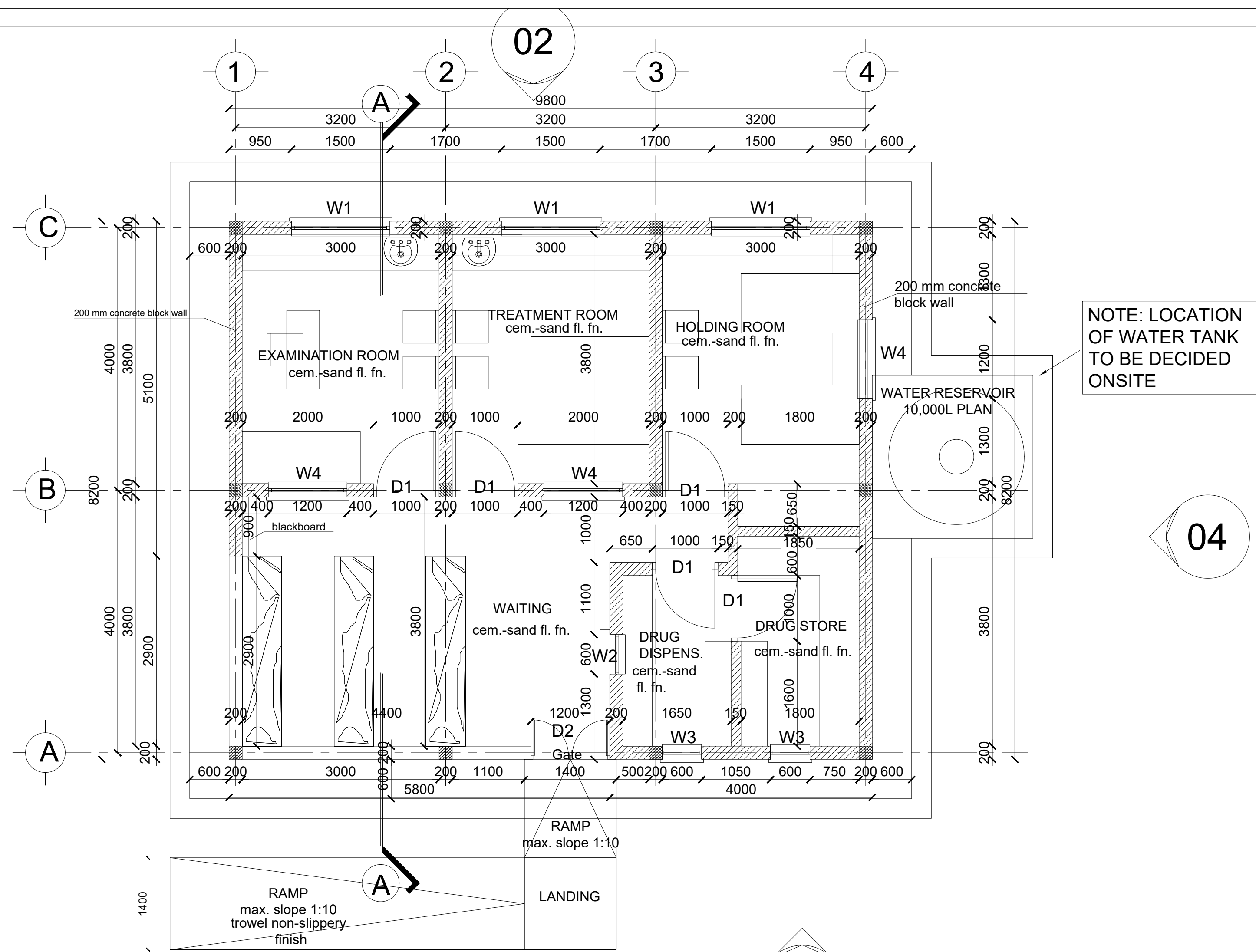
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Sheet #: 1/8

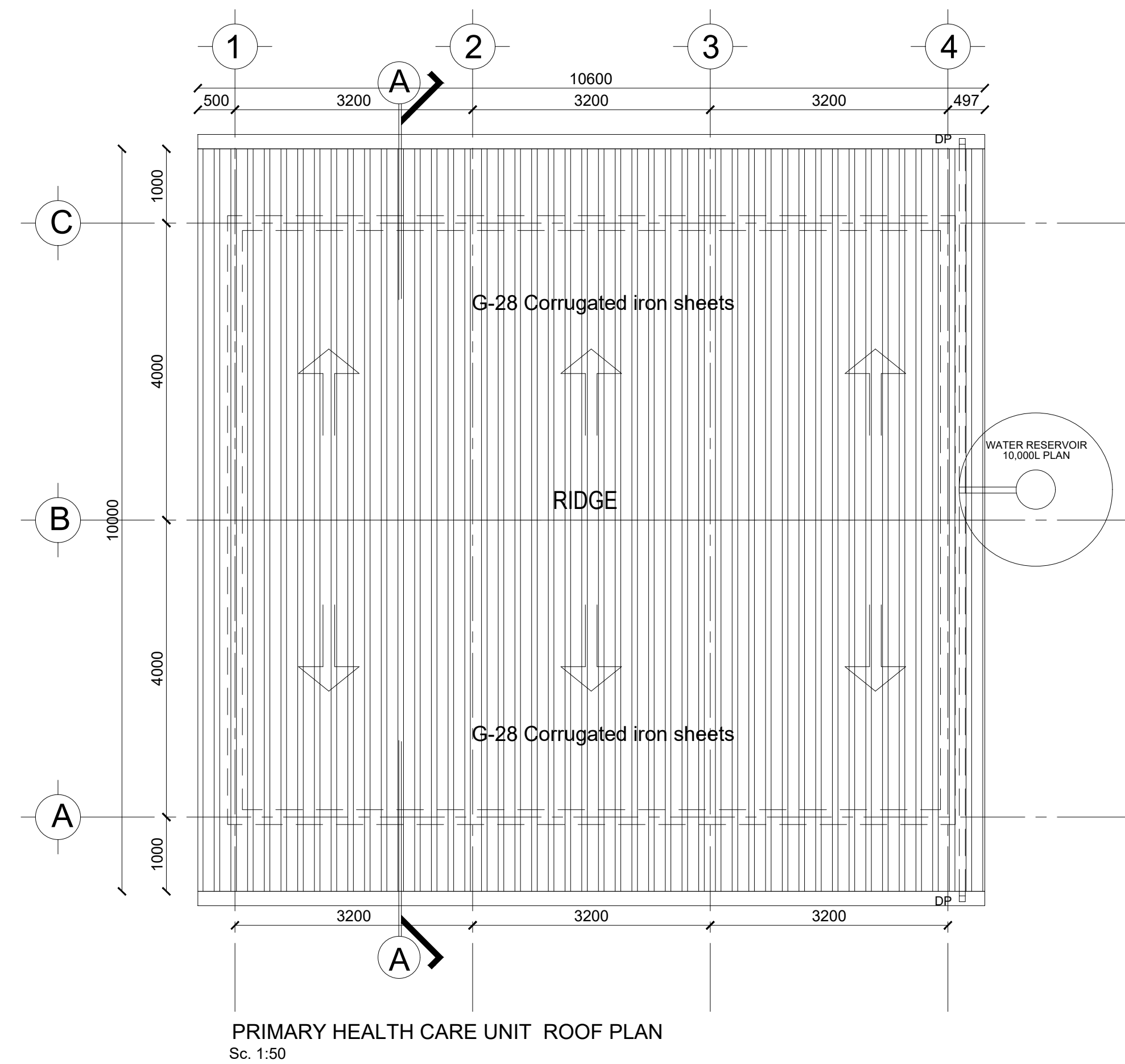
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Date: 2 January 2024

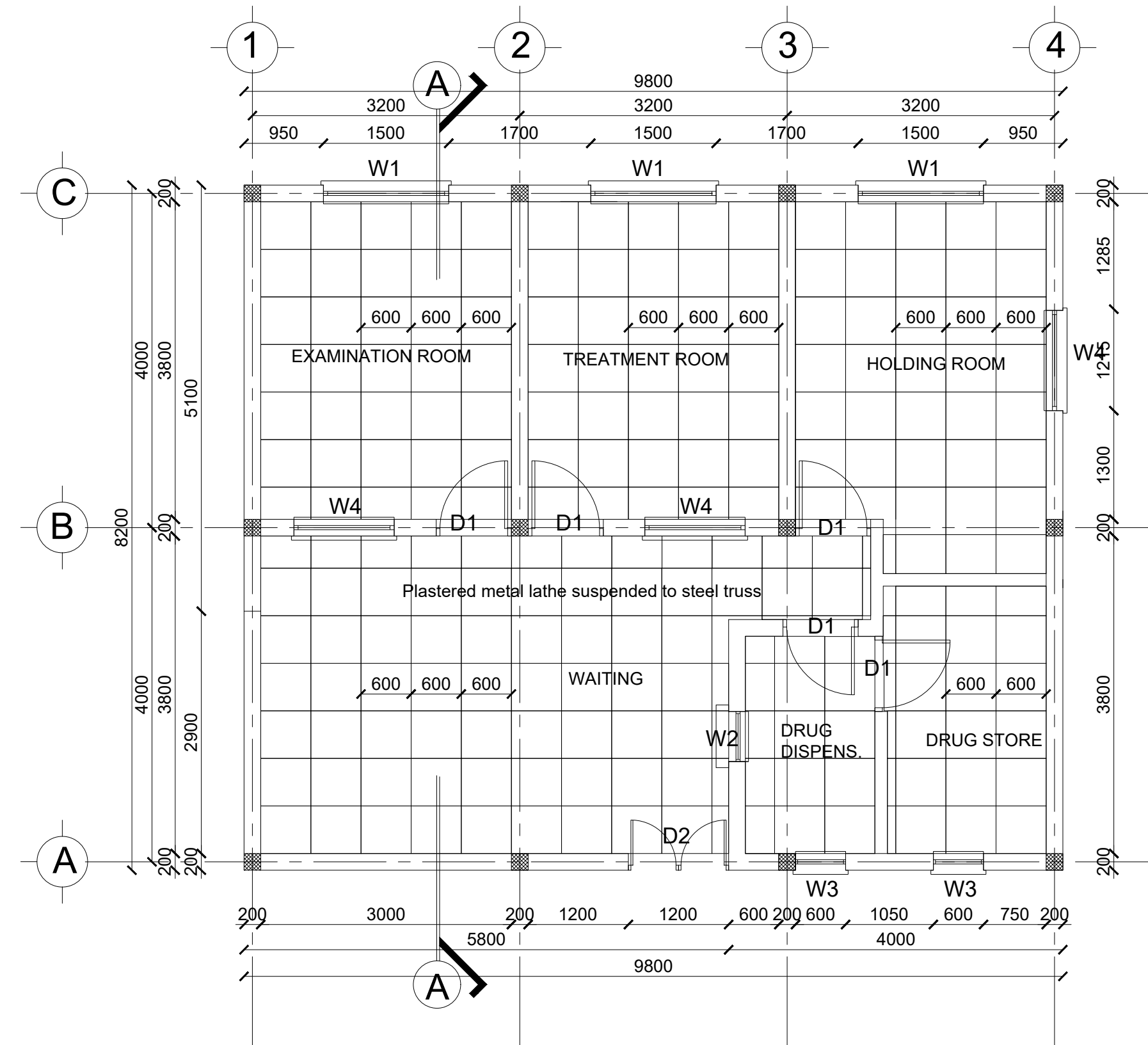
Rev: 0

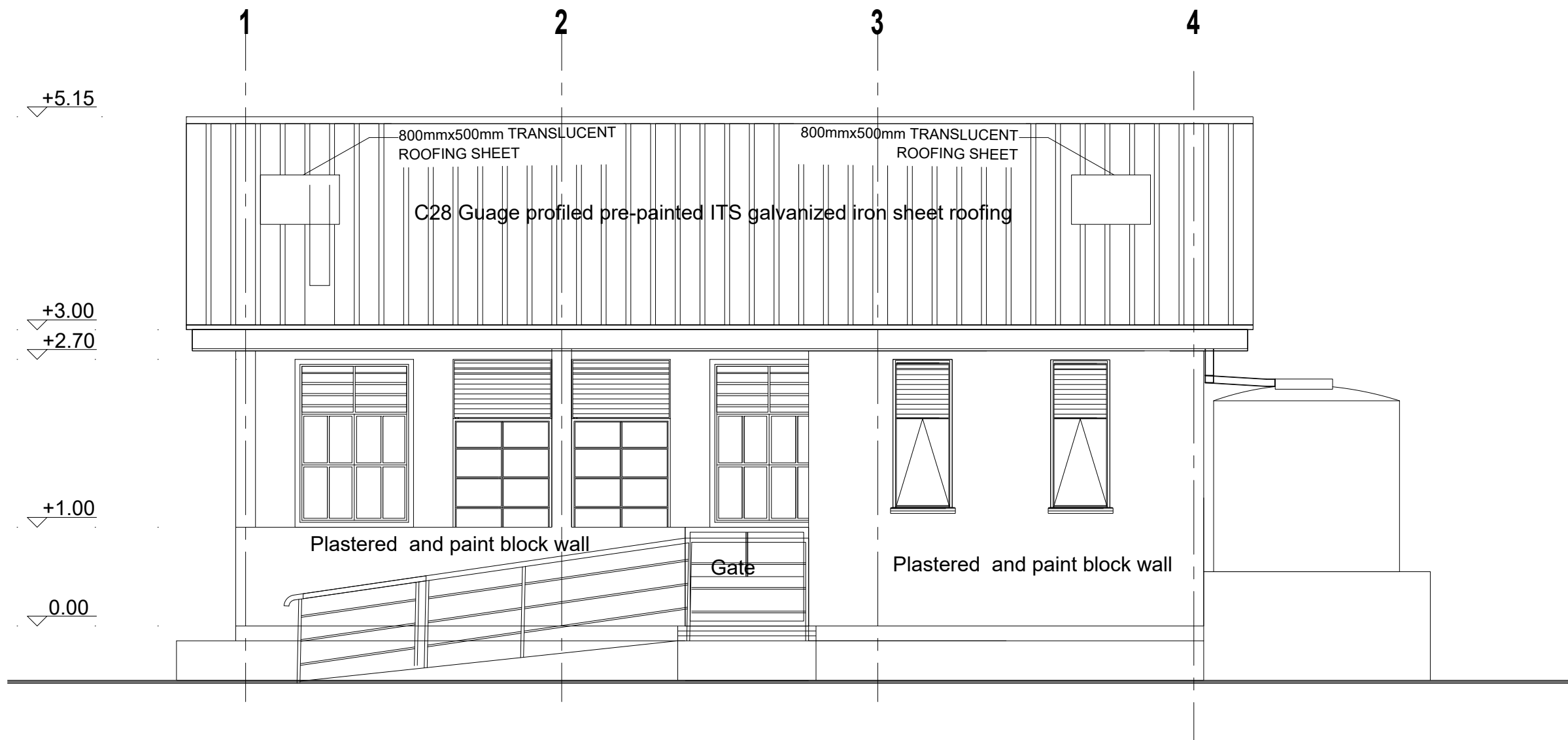


PRIMARY HEALTH CARE UNIT GROUND FLOOR PLAN
Sc. 1:50

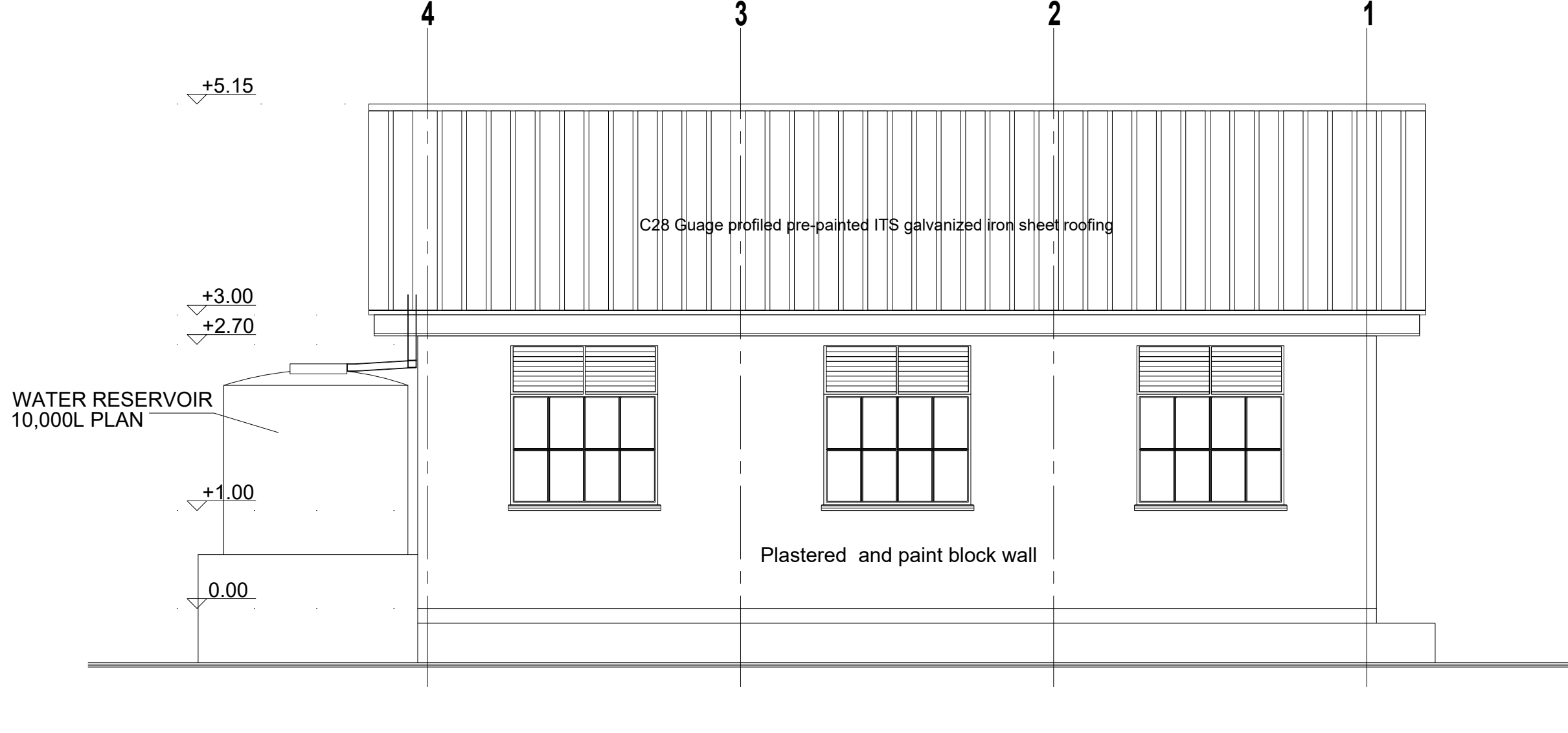


PRIMARY HEALTH CARE UNIT ROOF PLAN
Sc. 1:50

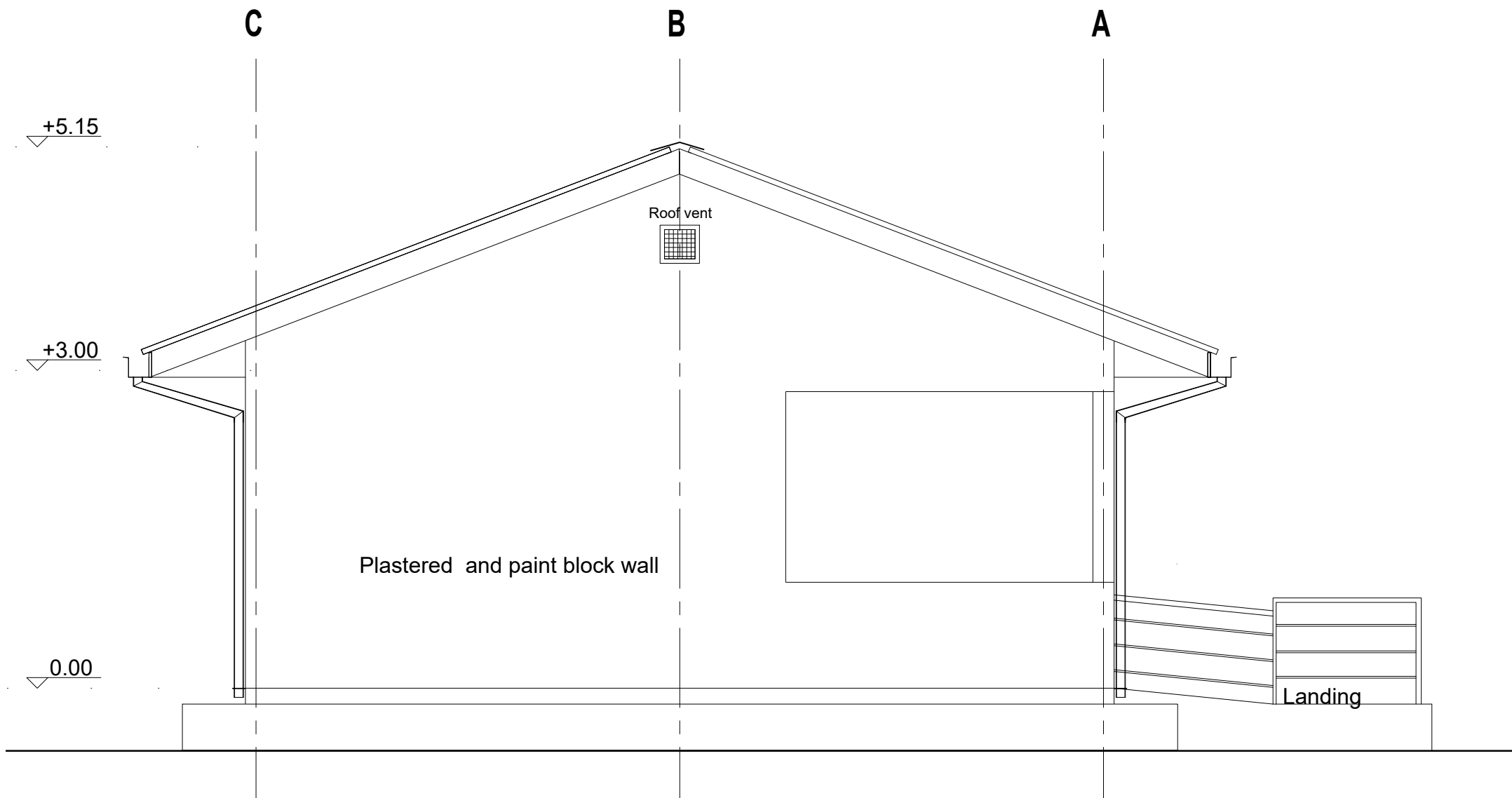




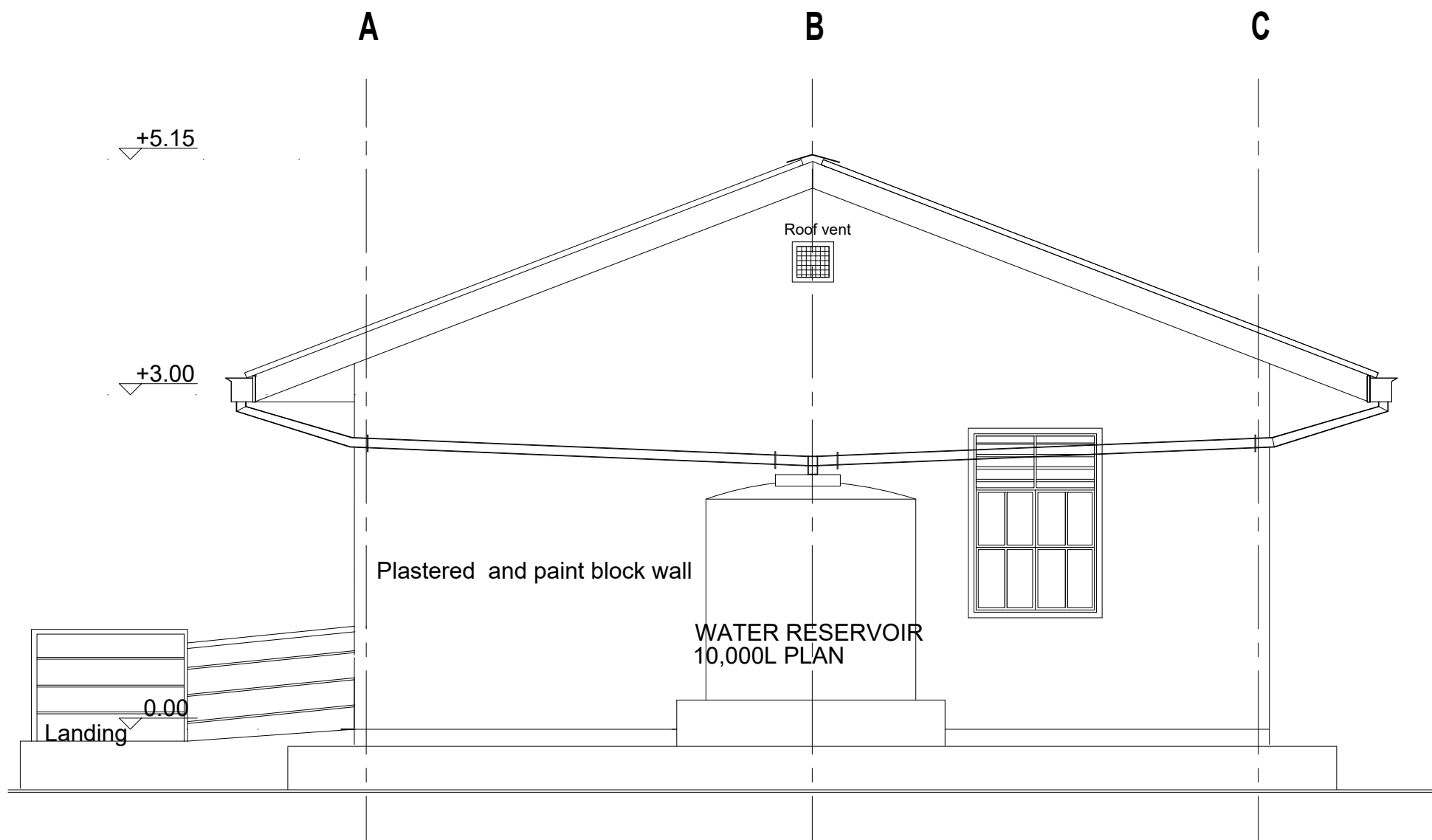
FRONT ELEVATION
Sc. 1:50



REAR ELEVATION
Sc. 1:50



LEFT SIDE ELEVATION
Sc. 1:50





RIGHT SIDE ELEVATION
Sc. 1:50

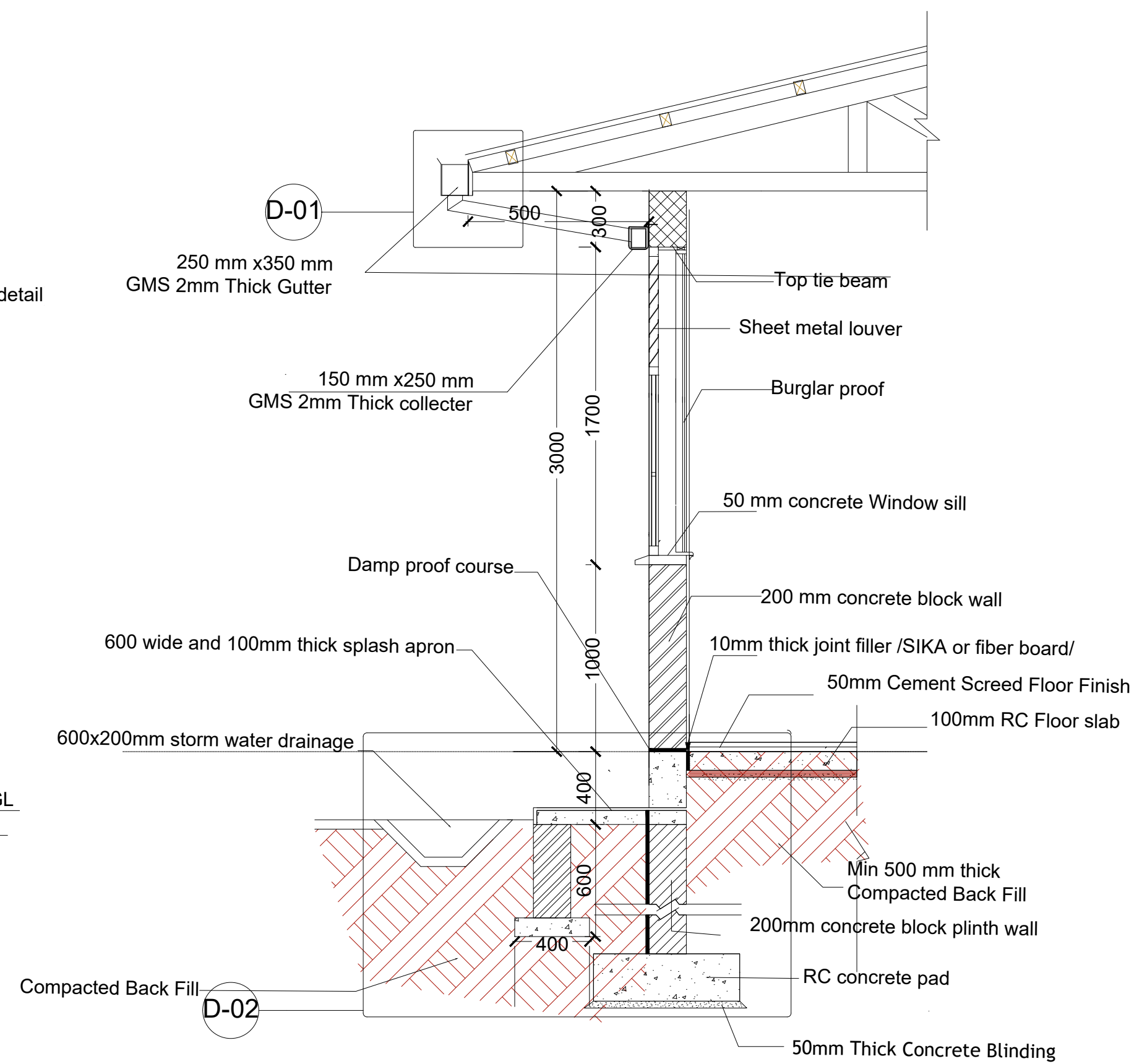
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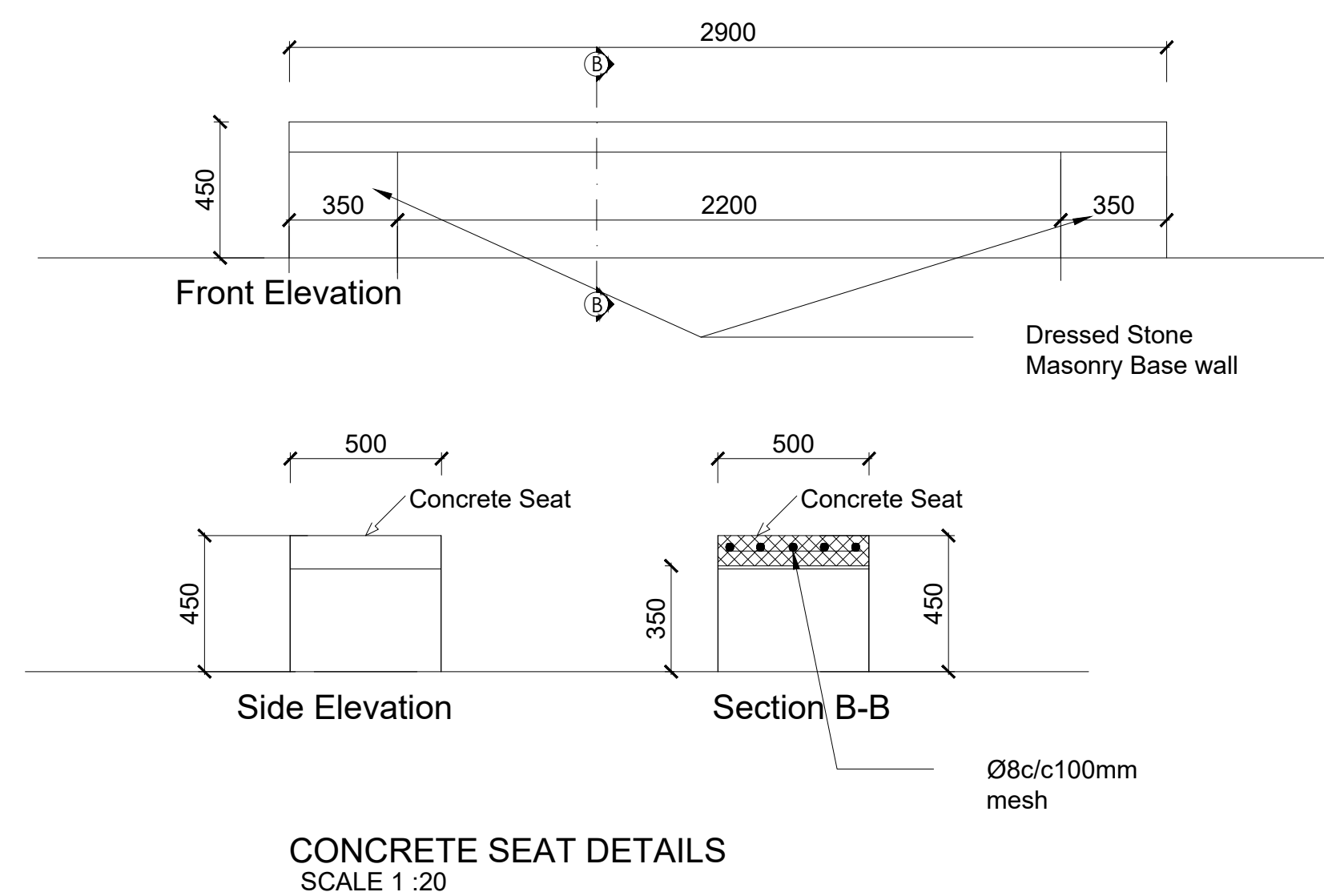
Program	
 Enhancing Community Resilience and Local Governance Project Phase II (ECRP II)	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
	
Project:	
PROPOSED PRIMARY HEALTH CARE UNIT	
Drawing Title	
ELEVATIONS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
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Date: 2 January 2024	Rev: 0



NOTES.

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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED PRIMARY HEALTH CARE UNIT

Drawing Tittle

SECTION AND DETAILS

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 4/8	Scale: AS SPECIFIED
Date: 2 January 2024	Rev: 0

STRUCTURAL NOTES:

- I) Building shall be founded on load bearing stone/concrete block masonry wall having a depth of 1500mm from the natural ground level with bottom of excavation compacted prior to laying the foundation wall.
- II) Stone/block masonry foundation shall be placed on reinforced concrete strip footing on the natural soil and achieve a minimum bearing capacity of 150 KN/m2. The top 500 mm soil shall be removed and replaced with well graded gravel material and compacted to the approval of the site supervisor.
- III) Foundation trench excavation to be approved by the Engineer prior to the construction of strip footing and stone/block masonry foundation.

IV) Material Specification

A) Grade of Structural Concrete

C-25 (Cube characteristics strength of 25 MPa) for columns and beams;

C-20 (Cube characteristics strength of 20 MPa) for floor slab)

B) Concrete reinforcement bar

Grade 460 (Characteristics yield strength of fyk = 460 MPa)

C) Steel hollow section for roofing system, verandah column and plates

Grade C: Tensile Strength = 375 Mpa

Yield Strength = 275 Mpa

D) Grade of Bolts

Grade 4.6: Yield Strength = 240 Mpa

Tensile Strength = 400 Mpa

V) Durability Requirements

❖ Concrete Cover to Reinforcement

- Floor slabs: 25mm.
- Beams: 25mm
- Columns: 38mm
- All substructure (below the ground level): 50mm

❖ Protection of steel work



- Surface preparation by blast cleaning, pickling process or where approved by wire brushing
- Application of one coat of an approved pre-fabrication fabrication primer e.g. Zinc chromate

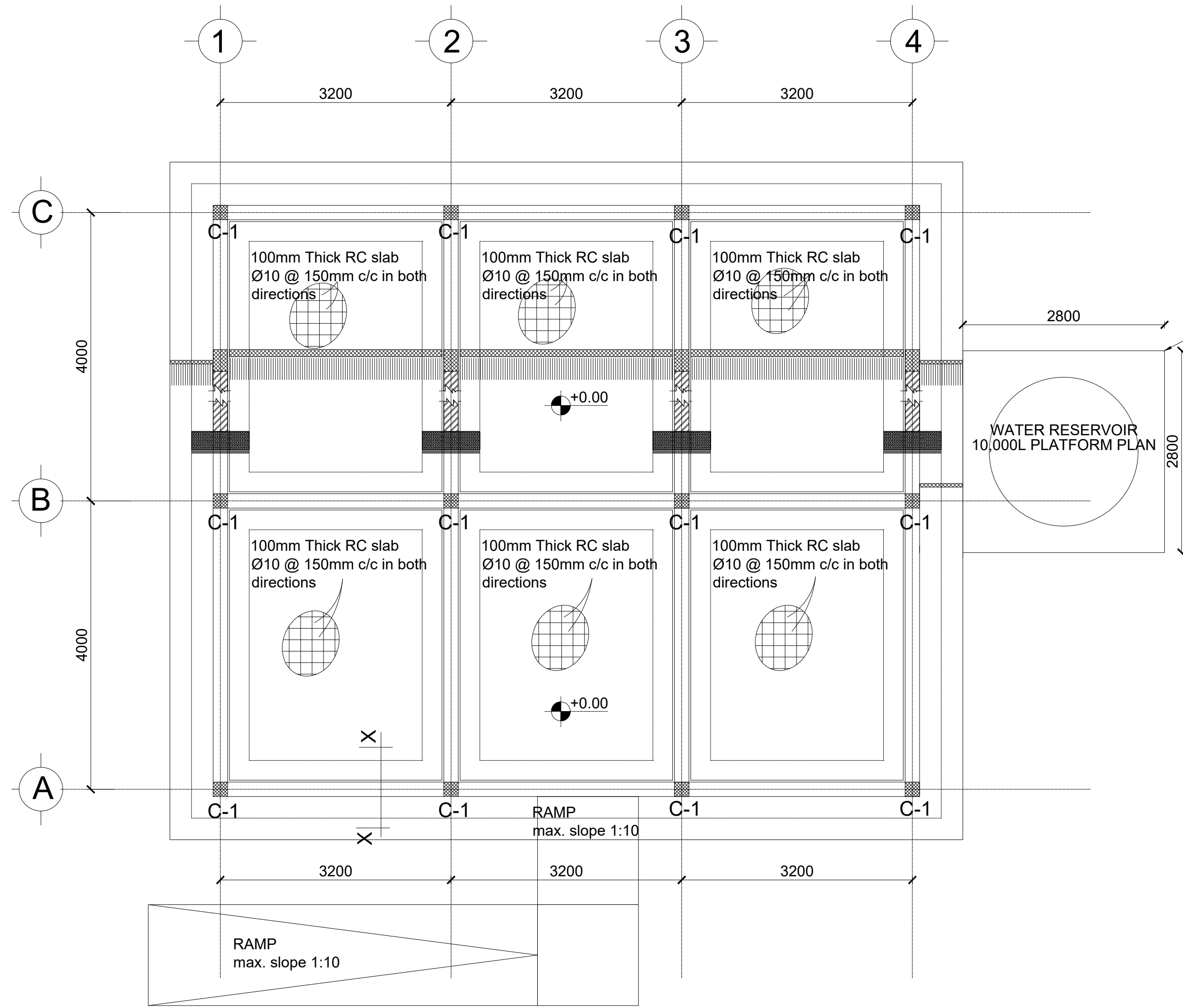
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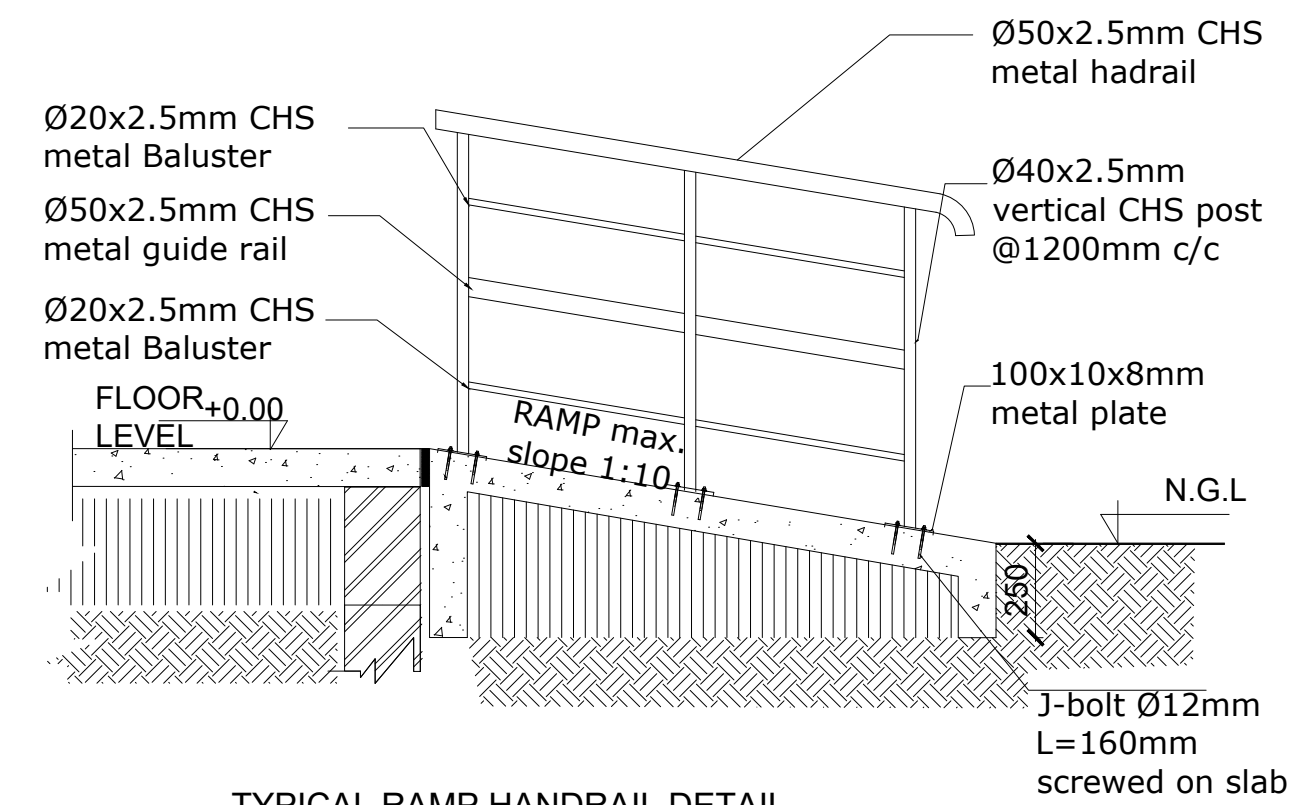
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Program	
<div><div></div><div>Enhancing Community Resilience and Local Governance Project Phase II (ECRP II)</div></div>	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
<div><div></div></div>	
Project:	
PROPOSED PRIMARY HEALTH CARE UNIT	
Drawing Tittle	
STRUCTURAL NOTES	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
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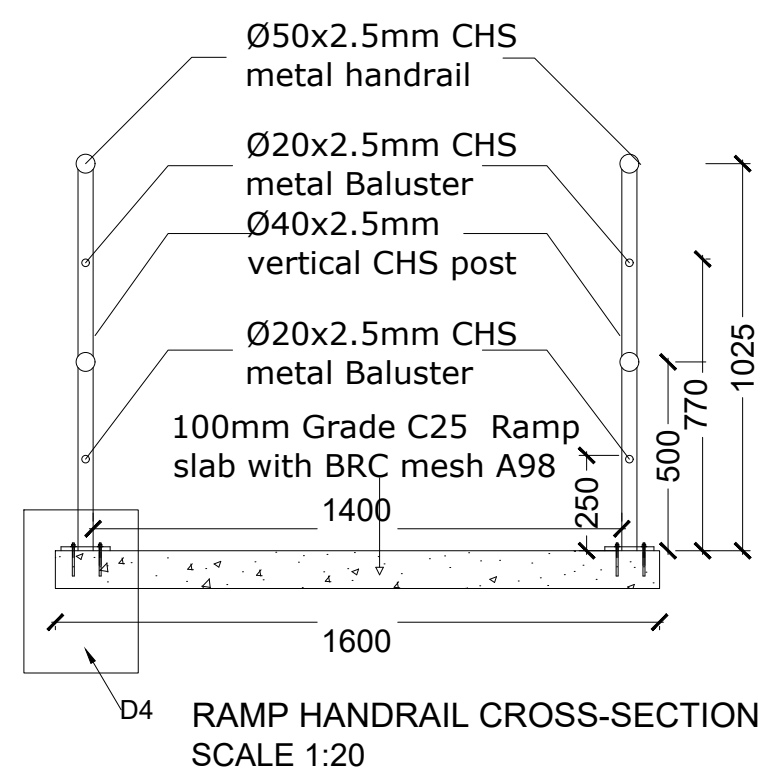


GROUND FLOOR SLAB REINFORCEMENT, BEAM AND COLUMN LAYOUT
SCALE 1:50

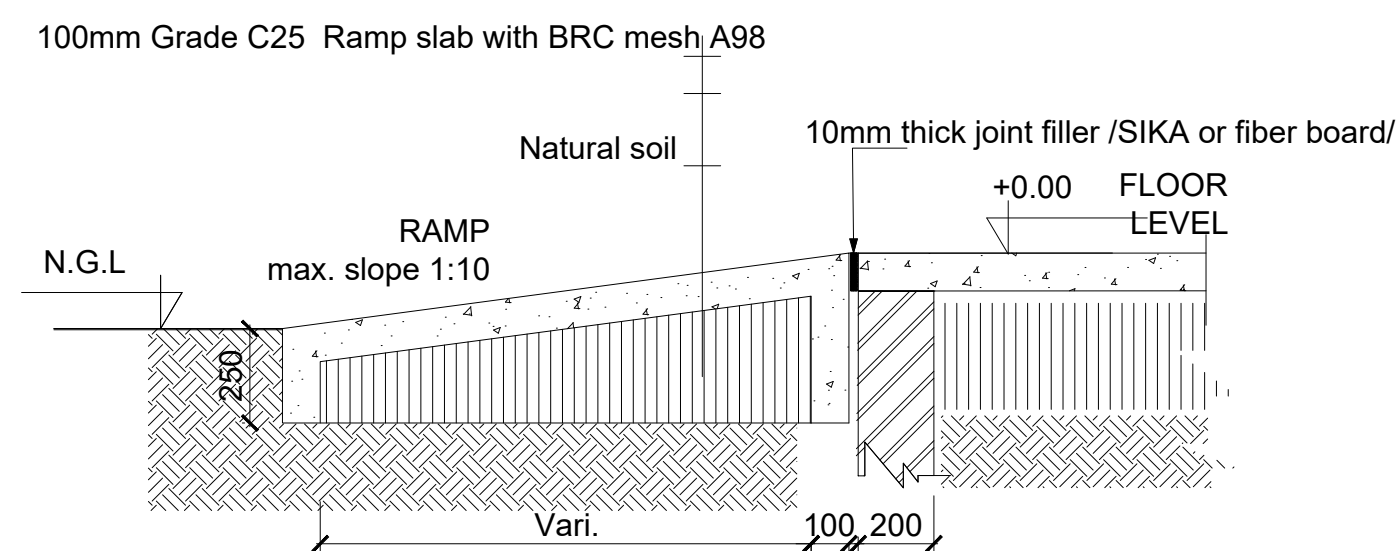
NOTE: LOCATION
OF WATER TANK
TO BE DECIDED
ONSITE



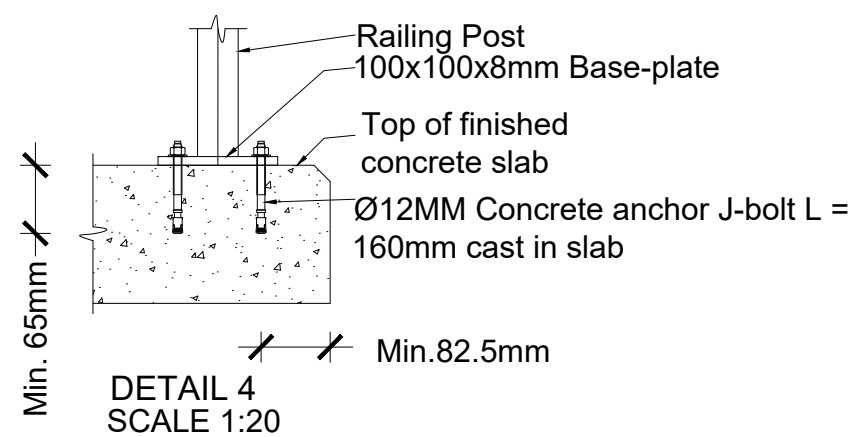
TYPICAL RAMP HANDRAIL DETAIL
SCALE 1:20



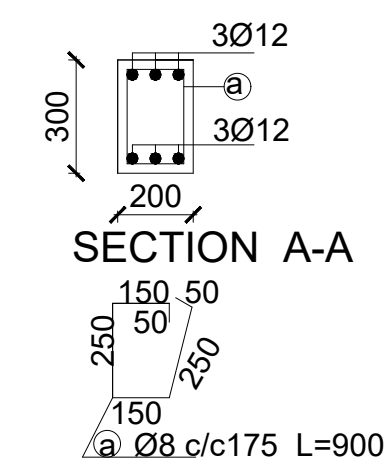
RAMP HANDRAIL CROSS-SECTION
SCALE 1:20



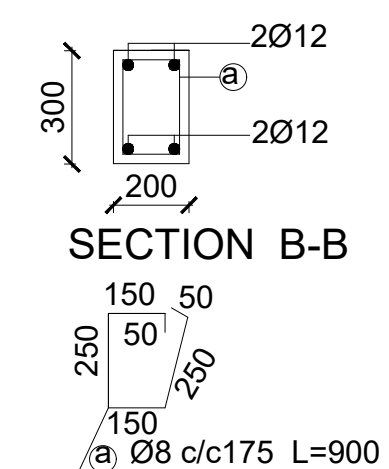
RAMP DETAIL
SCALE 1:20



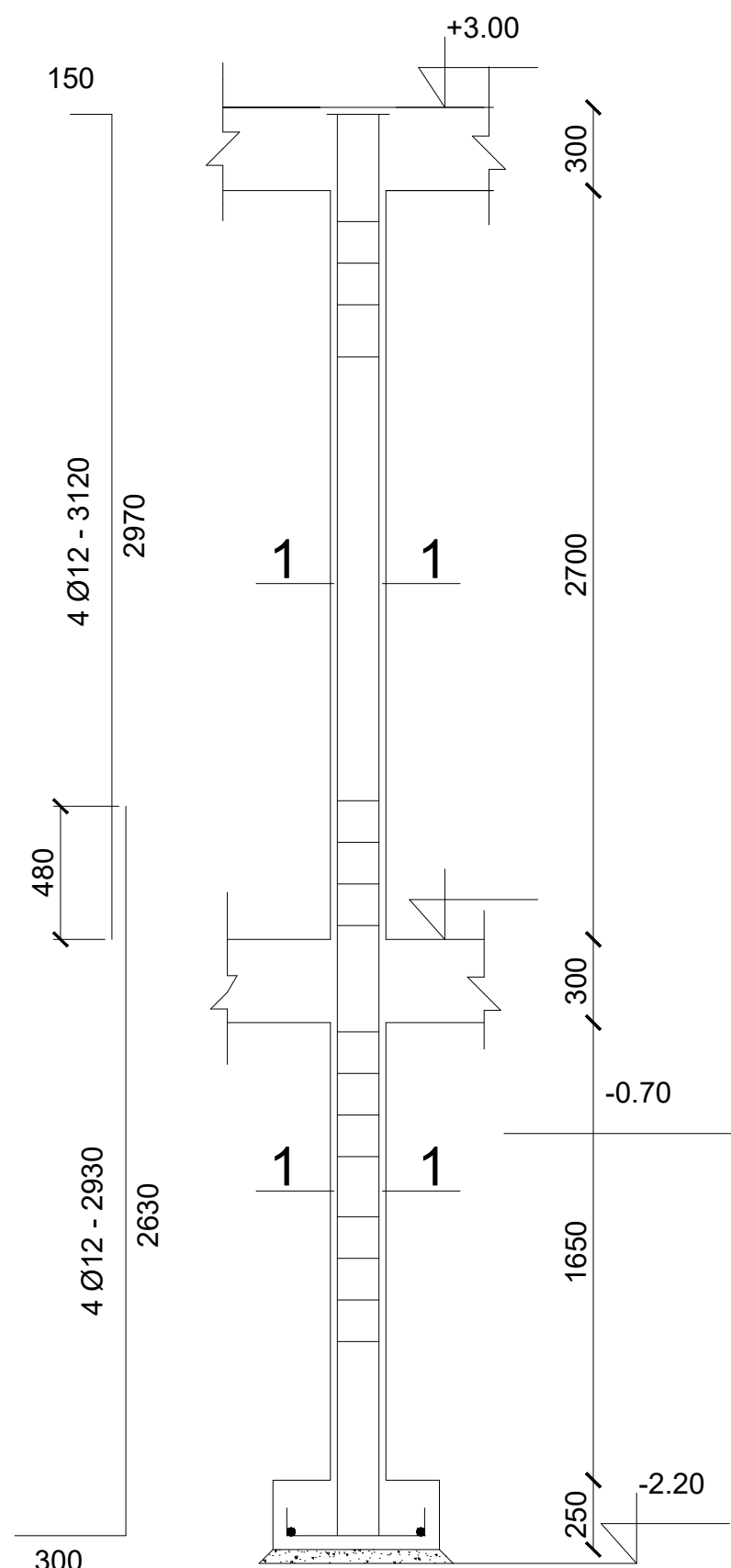
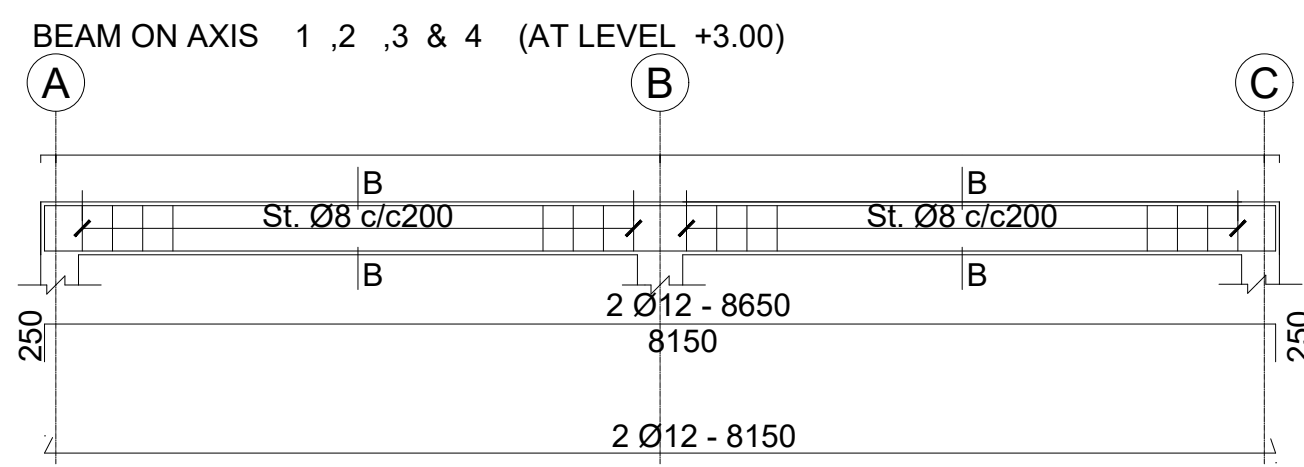
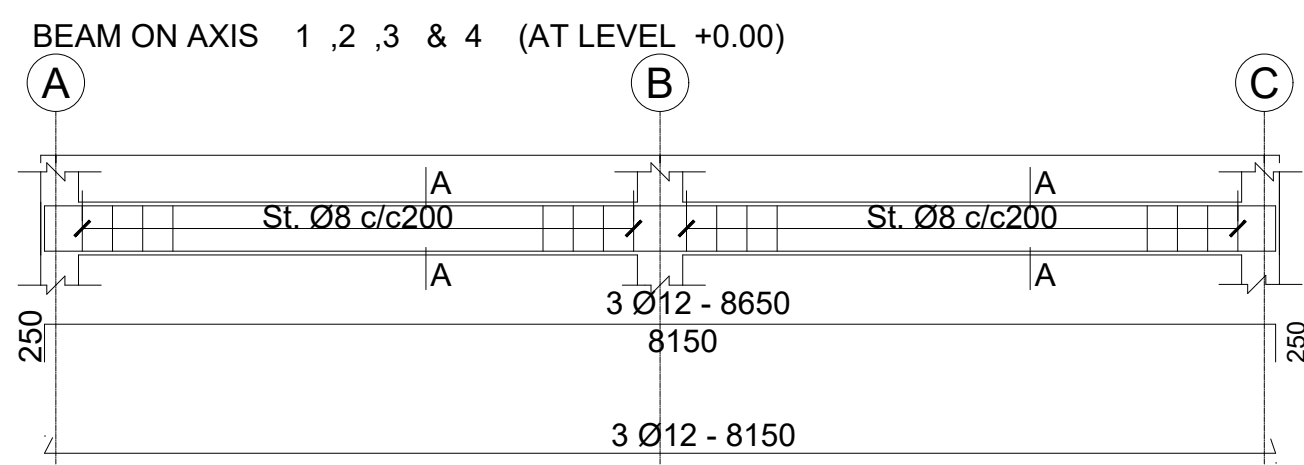
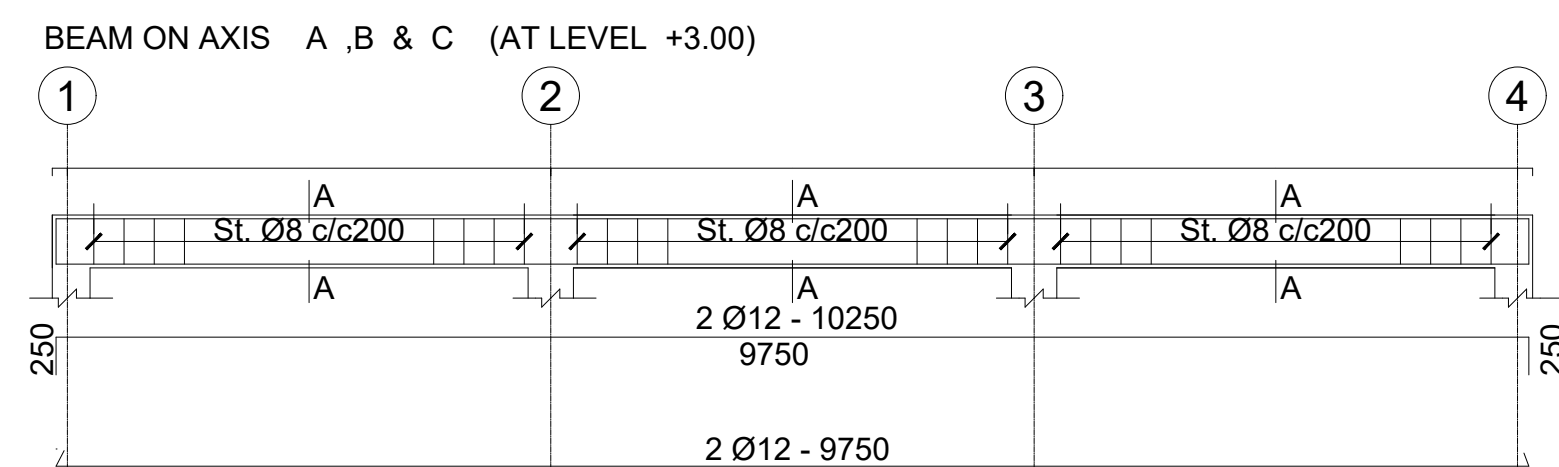
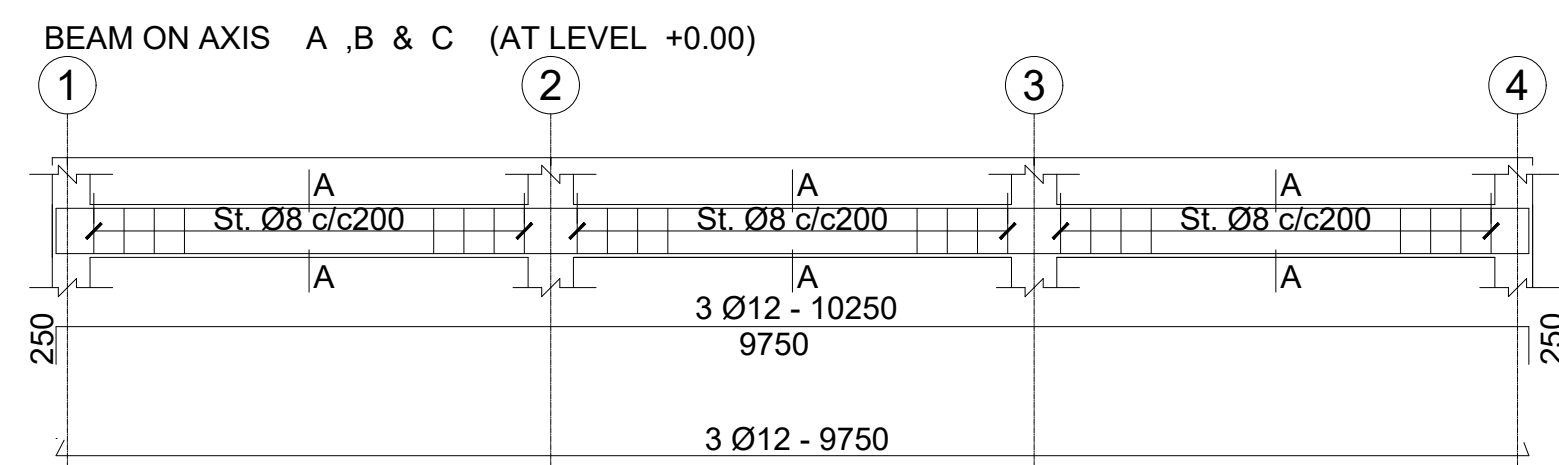
DETAIL 4
SCALE 1:20



SECTION A-A

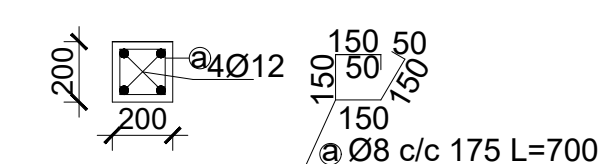


SECTION B-B



COLUMN C-1

SCALE 1:25



SECTION 1-1

SCALE 1:25

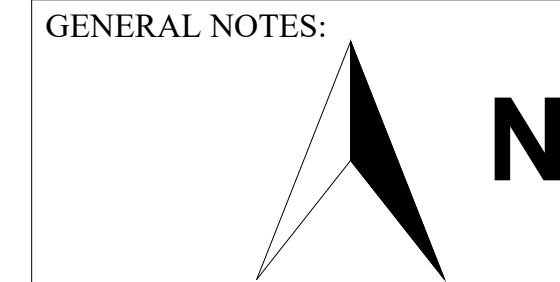
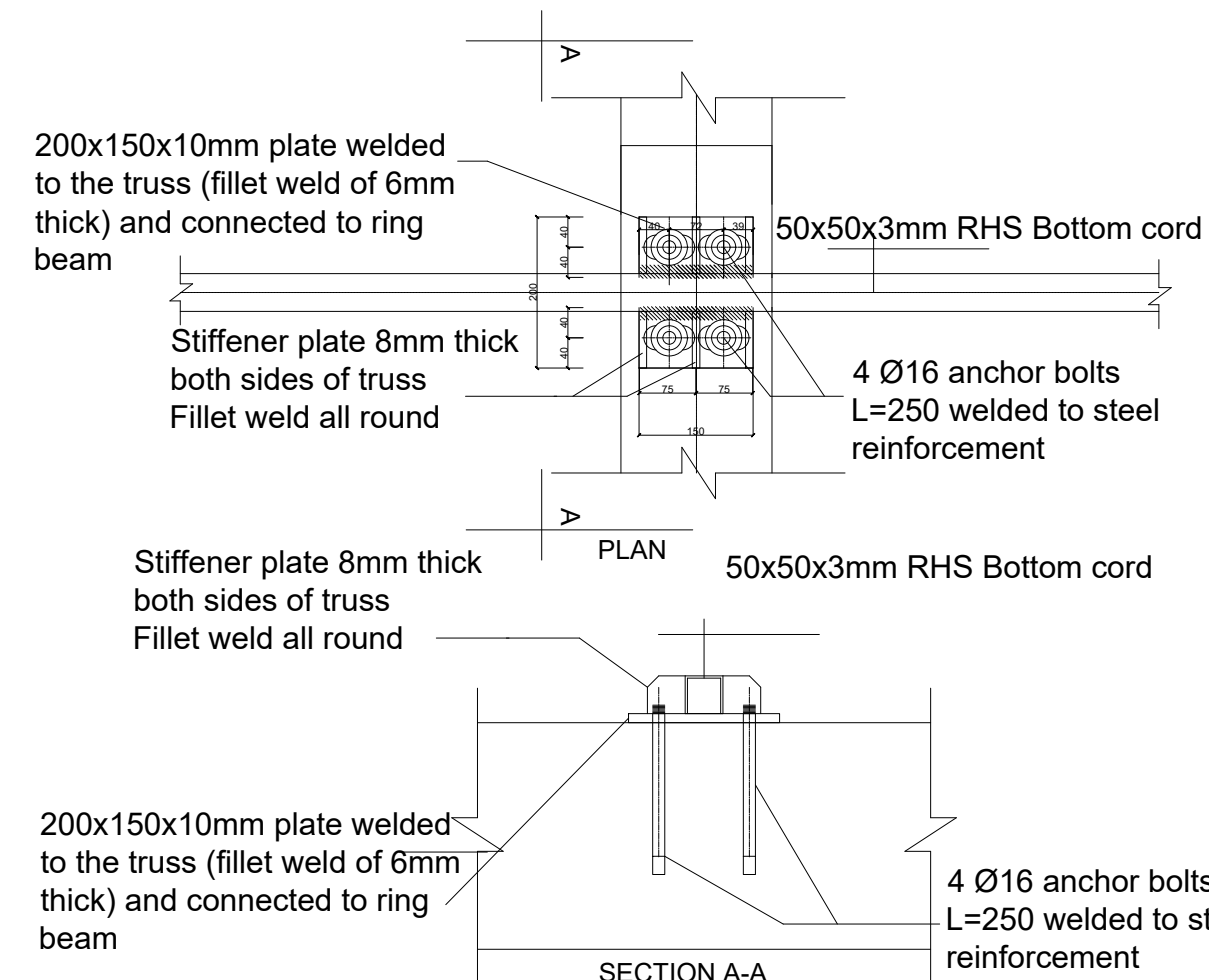
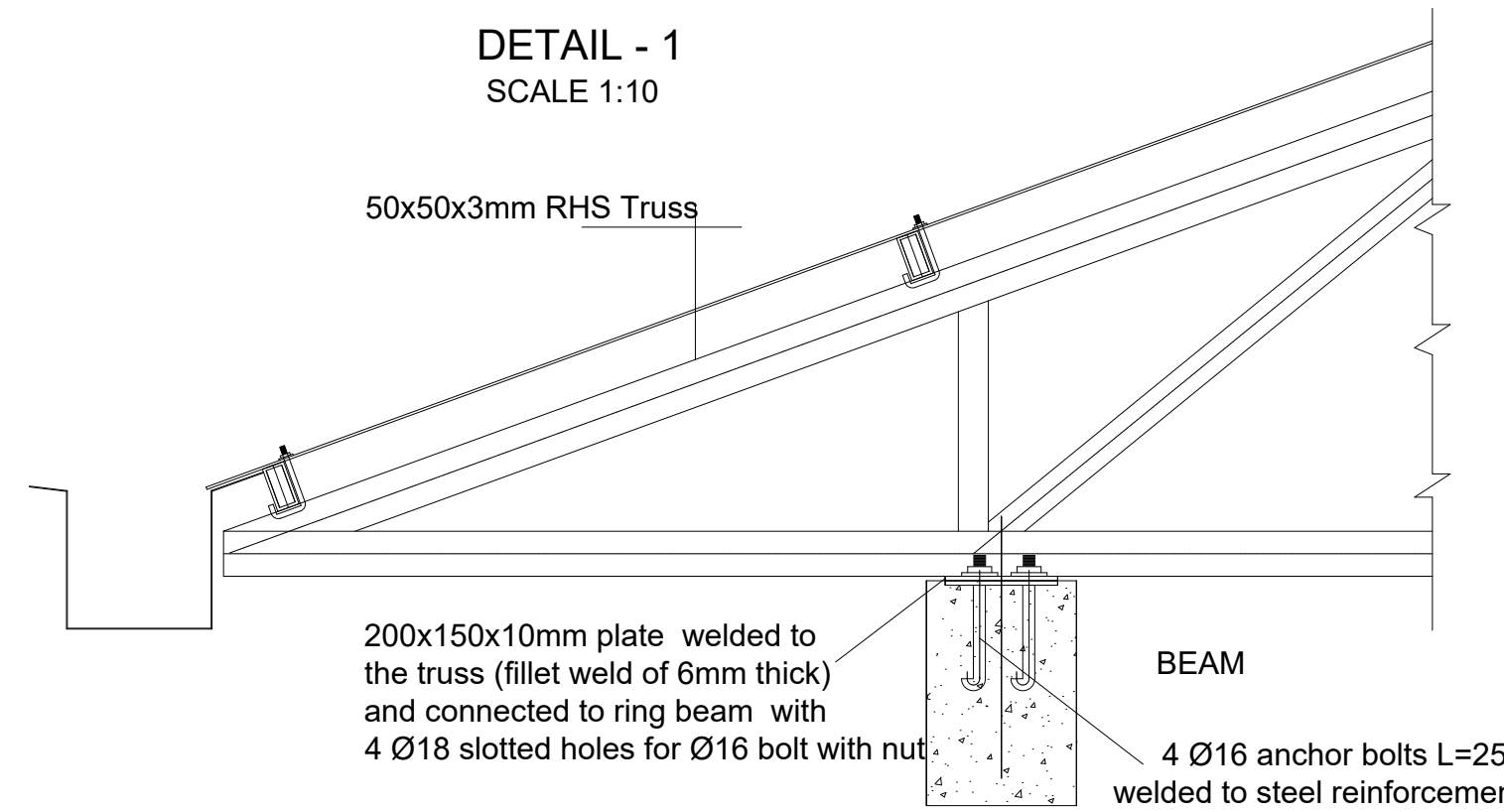
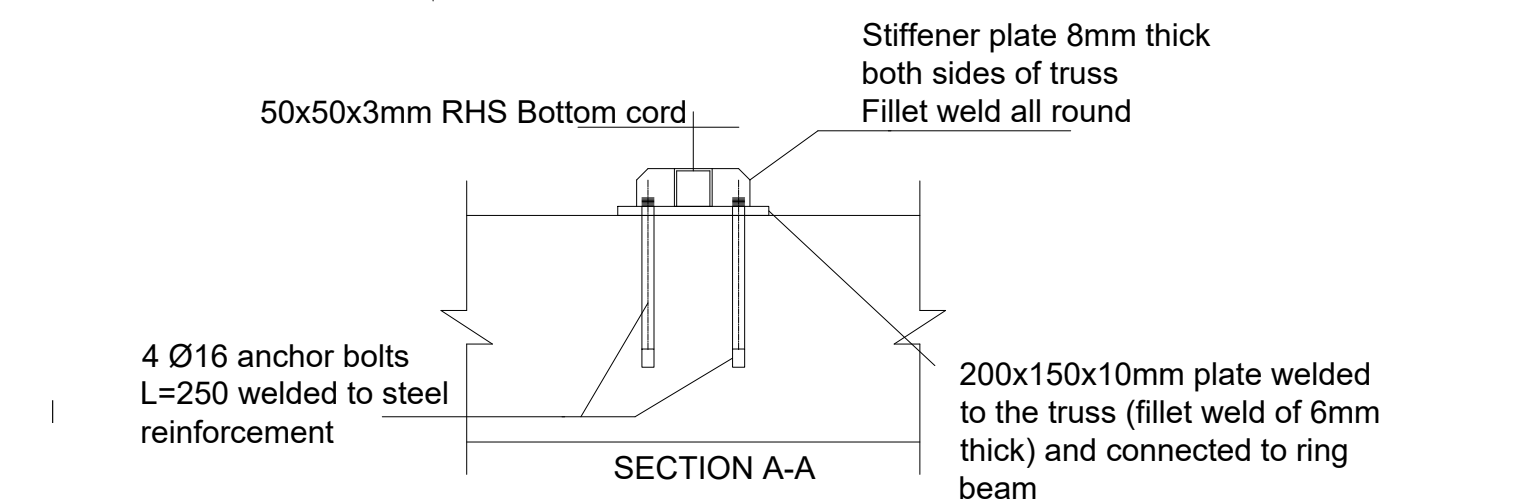
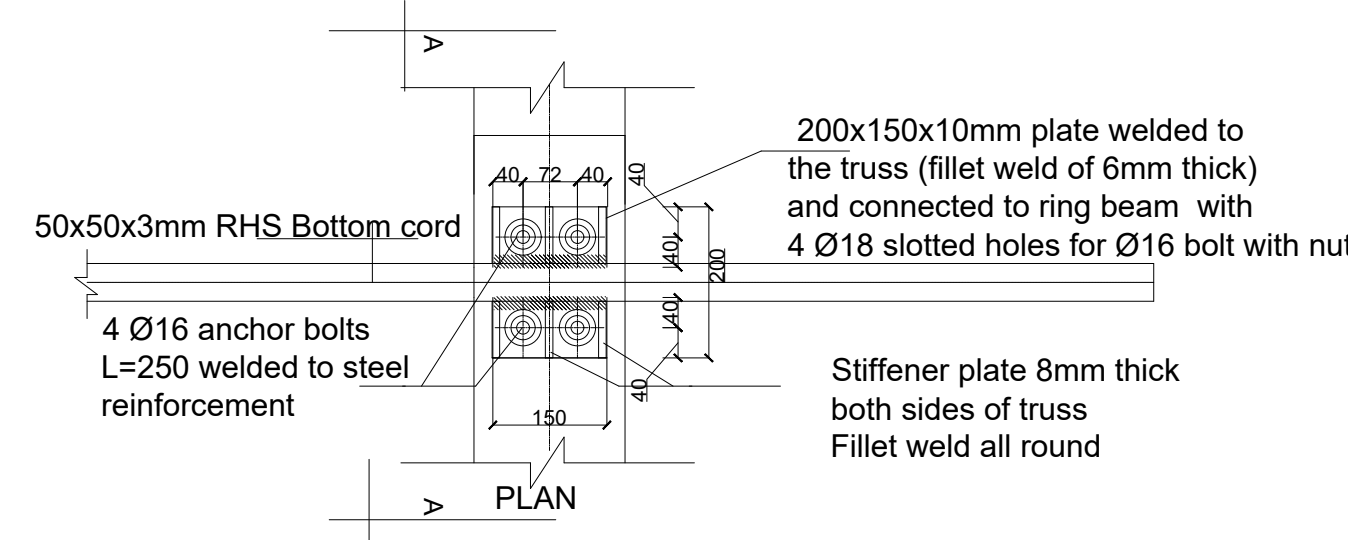
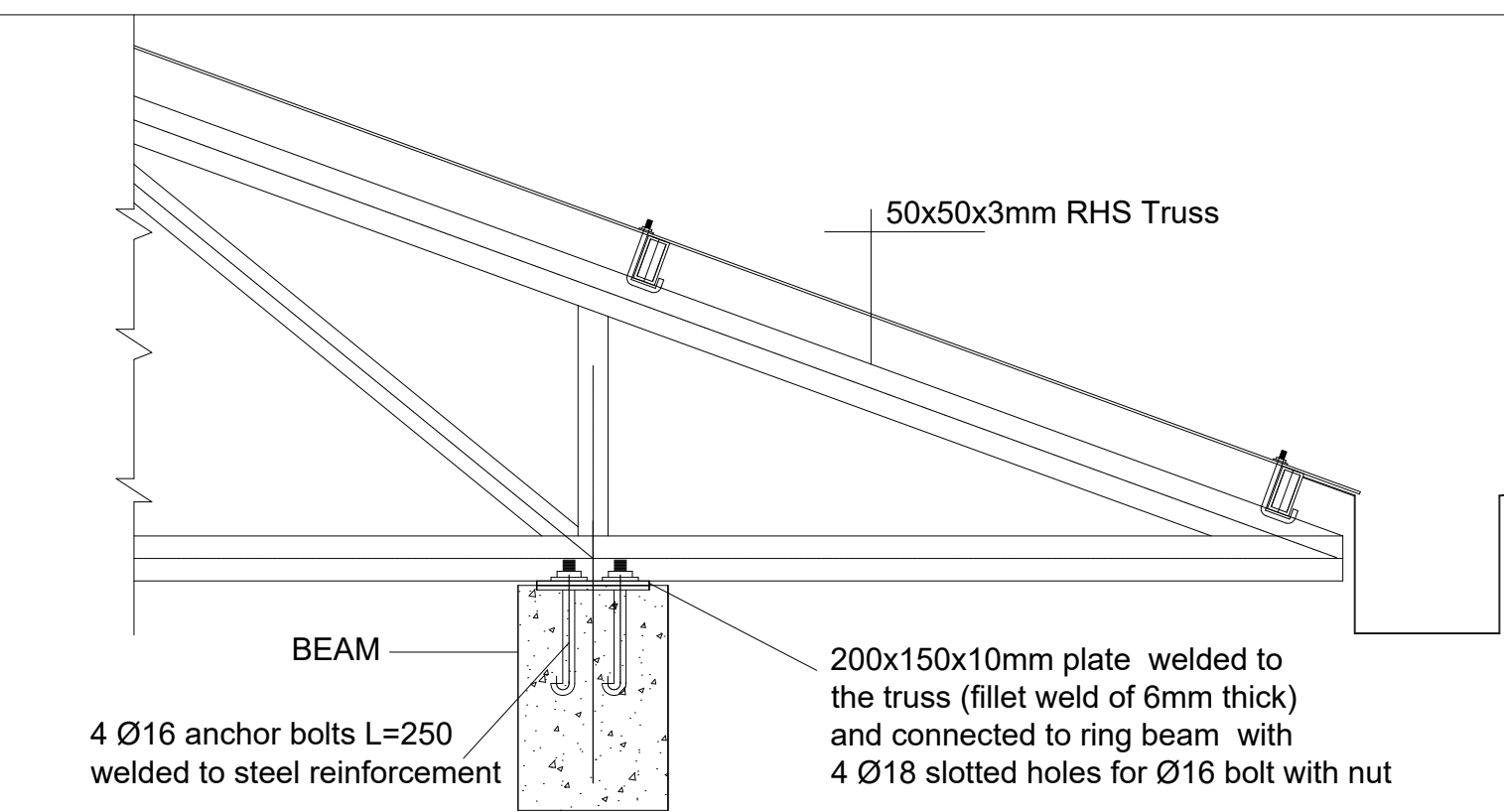
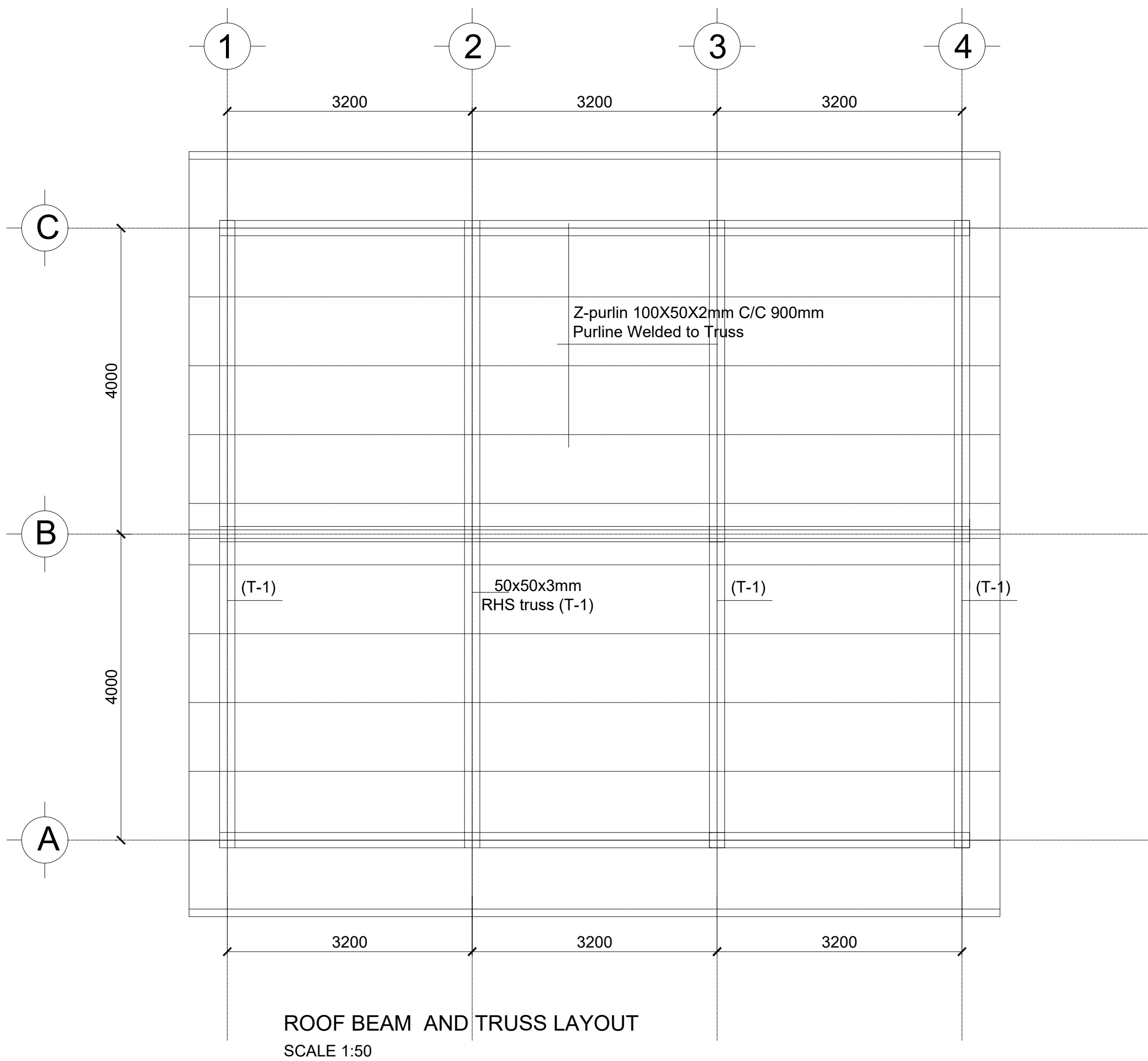
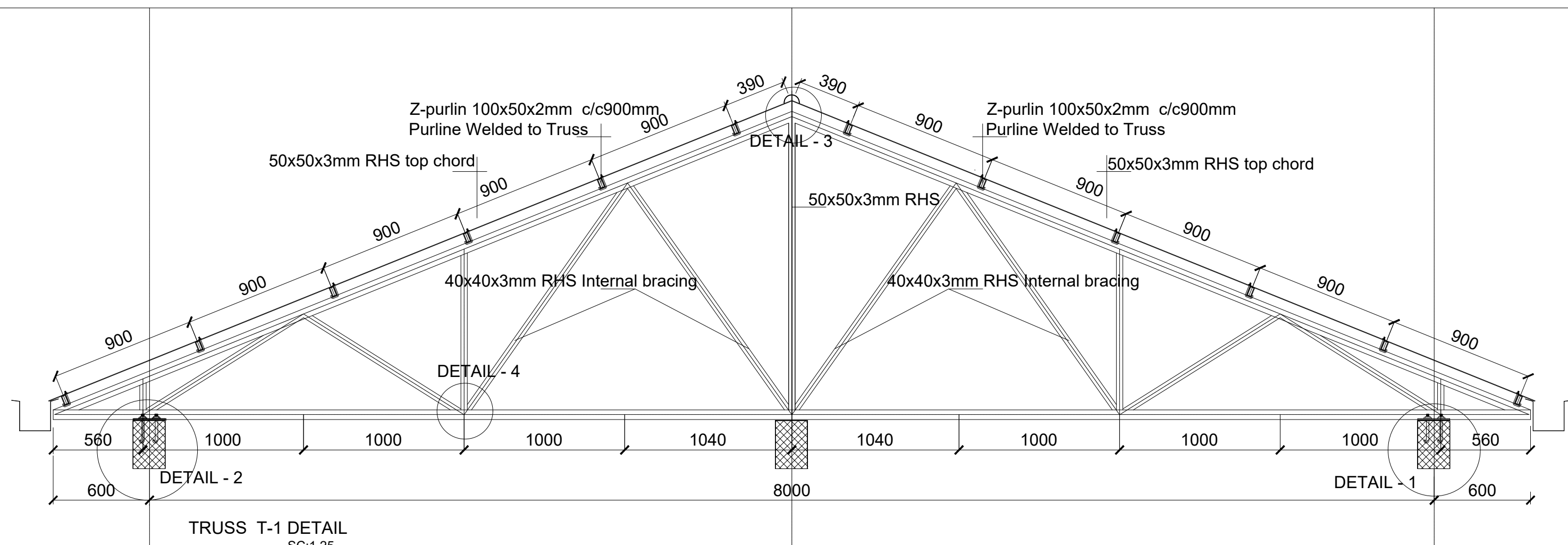
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Program	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
Project:	
PROPOSED PRIMARY HEALTH CARE UNIT	
Drawing Title	
STRUCTURAL DETAILS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
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Program

 Enhancing Community Resilience and Local Governance Project Phase II (ECRP II)

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:

 IOM UN MIGRATION

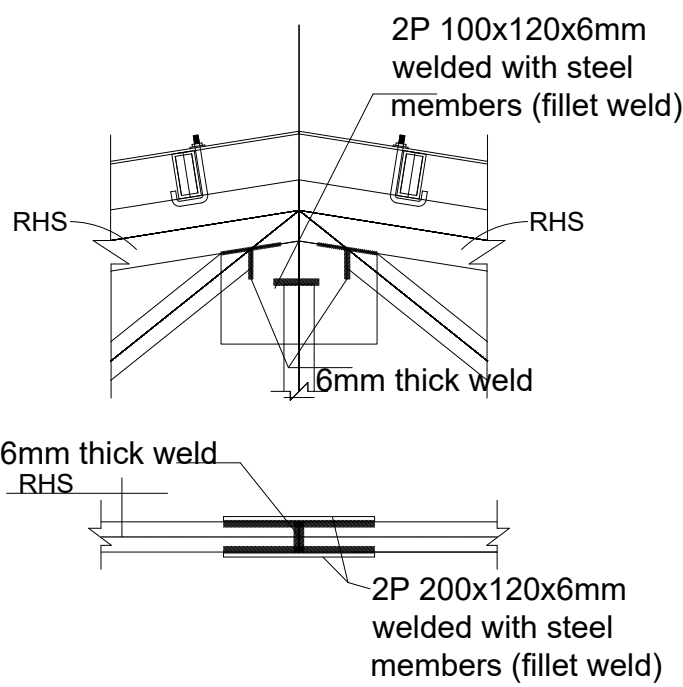
Project:

PROPOSED PRIMARY HEALTH CARE UNIT

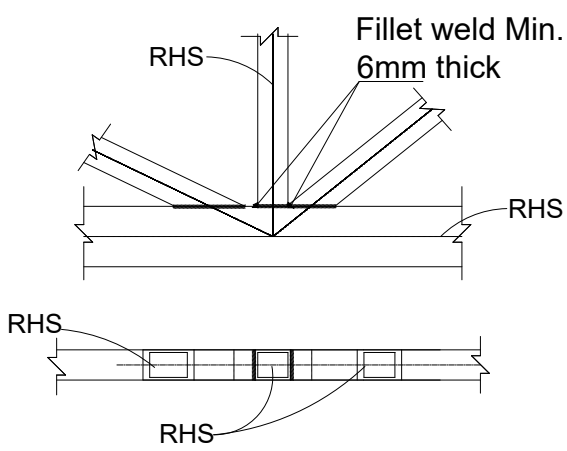
Drawing Title

ROOF TRUSS DETAILS

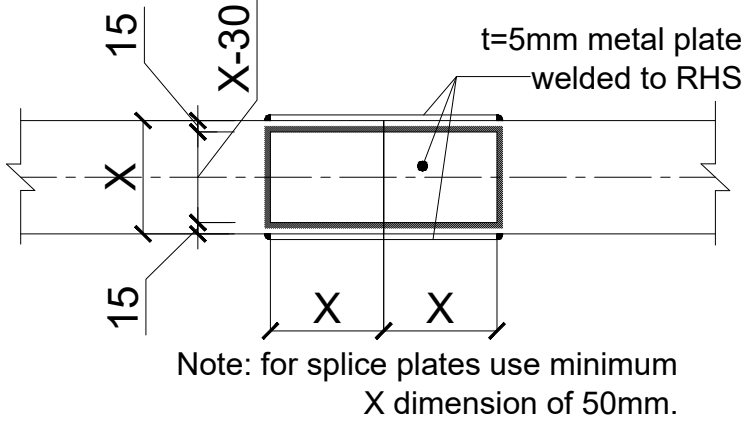
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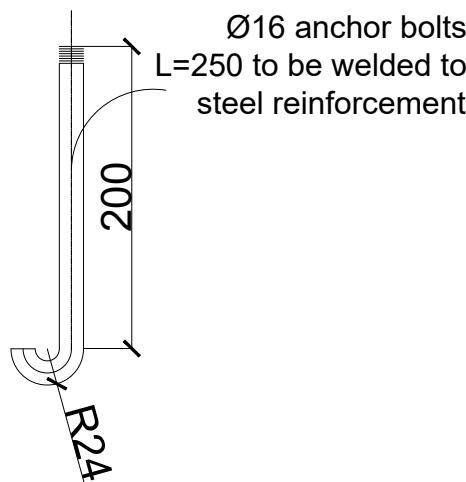
DETAIL - 3
SCALE 1:10



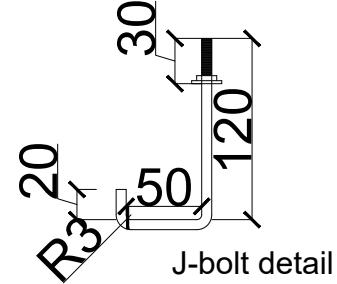
DETAIL - 4
SCALE 1:10



SPLICE DETAILS
SCALE 1:10



BEAM TO TRUSS J BOLT DETAILS
SCALE 1:5



PURLIN TO G.I SHEET J BOLT DETAILS
SCALE 1:5

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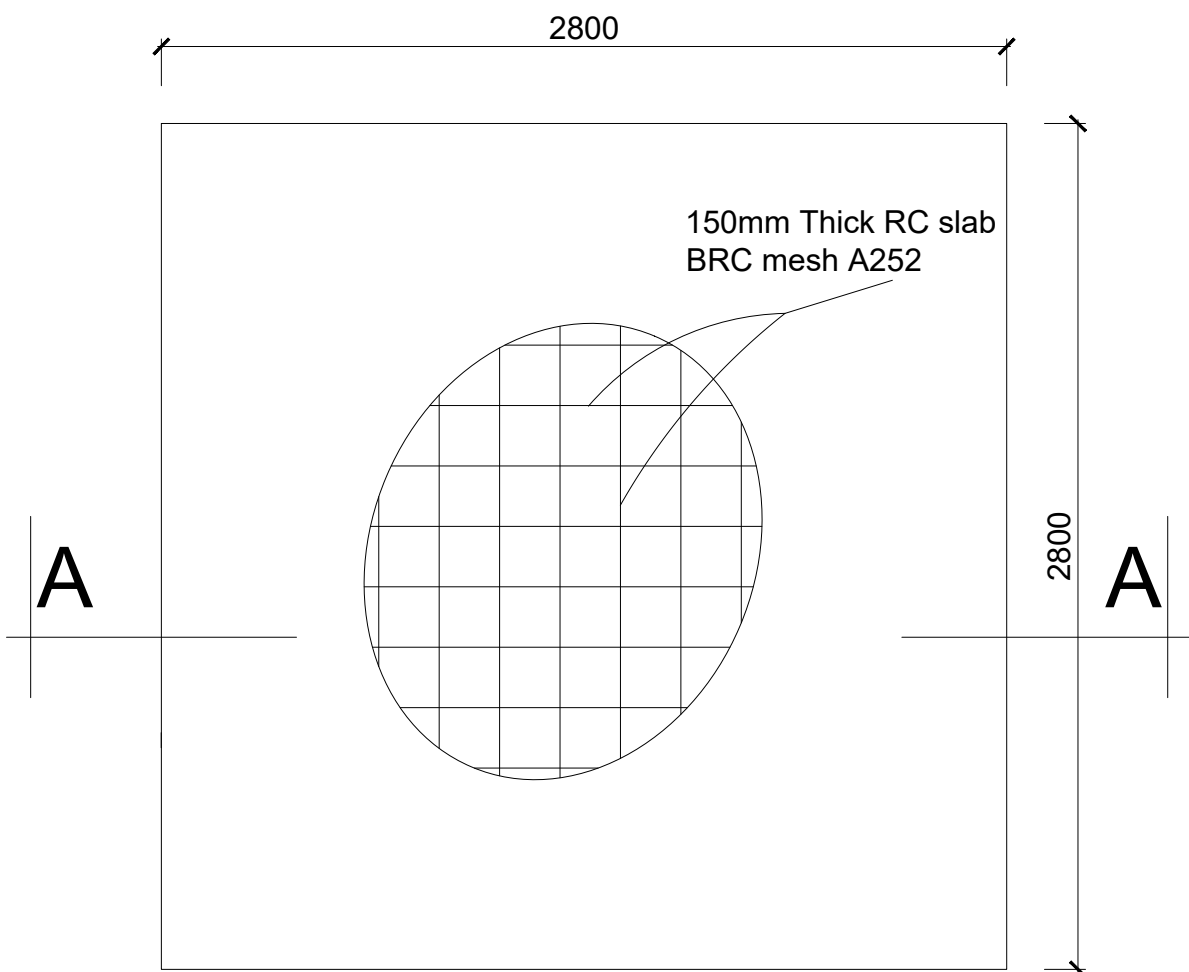
DOOR SCHEDULE

Door Name	D1	D2
Quantity	5	1
Frame material	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint
Door leaf construction	180D opening made of 0.5mm flat metal pane	180D opening made of 0.5mm flat metal pane
Burglar Proofing	RHS 25X25X2 mm vertical steel bars at equal intervals welded to interior of frames	
Ironmongry	Stainless steel parliament hinges, door lock with pull - push bar handle	Stainless steel parliament hinges, door lock with pull - push bar handle
Louver	0.5mm thick steel louvers welded at top to the frame. Louvers to be covered with approved mosquito net.	

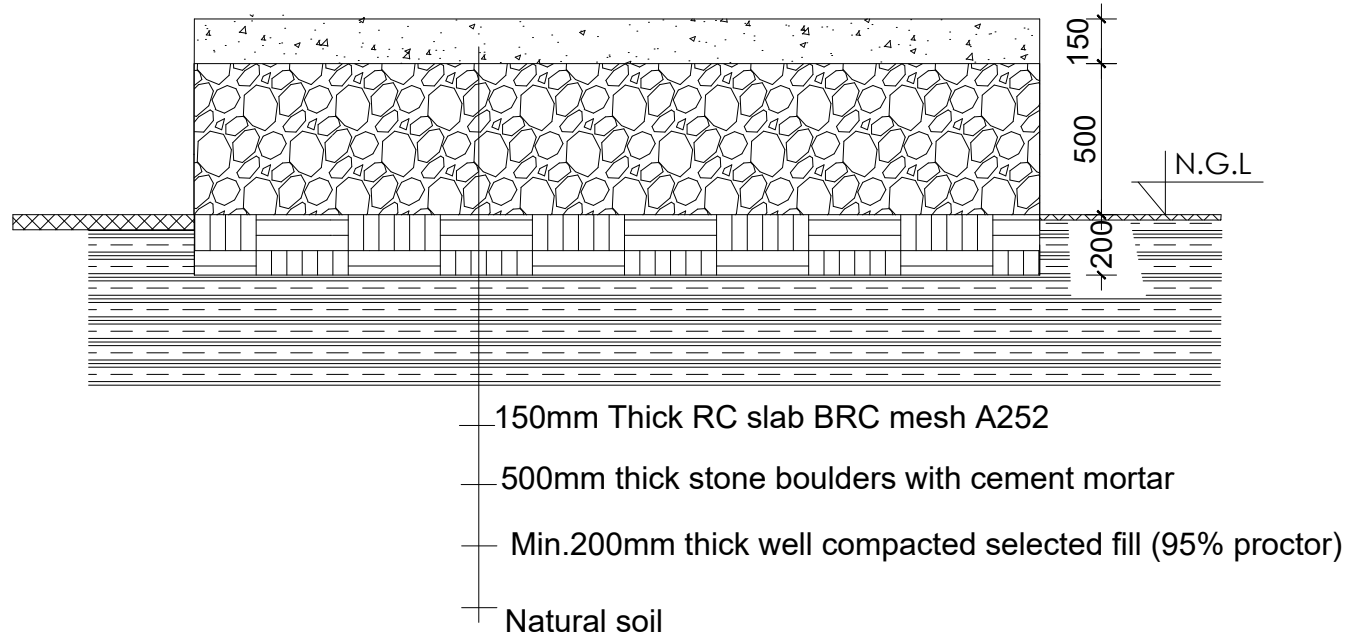
WINDOW SCHEDULE

Window Name	W1	W2	W3	W4
Quantity	3	1	2	3
Frame material	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint
Glazing	5mm thick clear glass	5mm thick clear glass	5mm thick clear glass	5mm thick clear glass
Burglar proofing	RHS 25X25X2mm vertical steel bars at equal intervals welded to interior of frames	Stainless steel parliament hinges, window lock with bar handle	RHS 25X25X2 mm vertical steel bars at equal intervals welded to interior side of frames	RHS 25X25X2 mm vertical steel bars at equal intervals welded to interior of frames
Ironmongry	Stainless steel parliament hinges, window lock with bar handle	Stainless steel parliament hinges, window lock with latch	Stainless steel parliament hinges, window lock with latch	Stainless steel parliament hinges, window lock with bar handle
Louvers	0.5mm thick steel louvers welded to RHS frame. Louver to be covered with approved mosquito net.		0.5mm thick steel louvers welded to RHS frame. Louver to be covered with approved mosquito net.	0.5mm thick steel louvers welded to RHS frame. Louver to be covered with approved mosquito net.

WATER RESERVOIR PLATFORM PLAN



PLAN
SCALE 1:25



SECTION A-A
SCALE 1:25

Rev:	Date	Description:	Approved
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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED PRIMARY HEALTH CARE UNIT

Drawing Tittle

DOOR AND WINDOWS SCHEDULE

Designed By:	H.A	Drawn by:	H.A
Checked:	F.E & G.O	Approved:	----
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