

SANITATION FACILITIES - A BLOCK OF TWO STANCE VIP LATRINES (MALE)


GENERAL NOTES:



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- 3. Written dimensions overrides scaled dimensions.
- 4. Any discrepancy is to be reported to IOM site Engineer/Project manager before proceeding

Rev:	Date	Description:	Approved
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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 VIP LATRINES (MALE)
A BLOCK OF TWO STANCE (NORMAL SOIL)
Drawing Title

COVER PAGE

Designed By: H.A

Drawn by: H.A

Checked: F.E & G.O

Approved: -----

Sheet #: 1/6

Scale: AS SPECIFIED

Date: 17 January 2024

Rev: 0



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Program



Client:	
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GOVERNMENT OF SOUTH SUDAN

Implemented By:	
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Project:

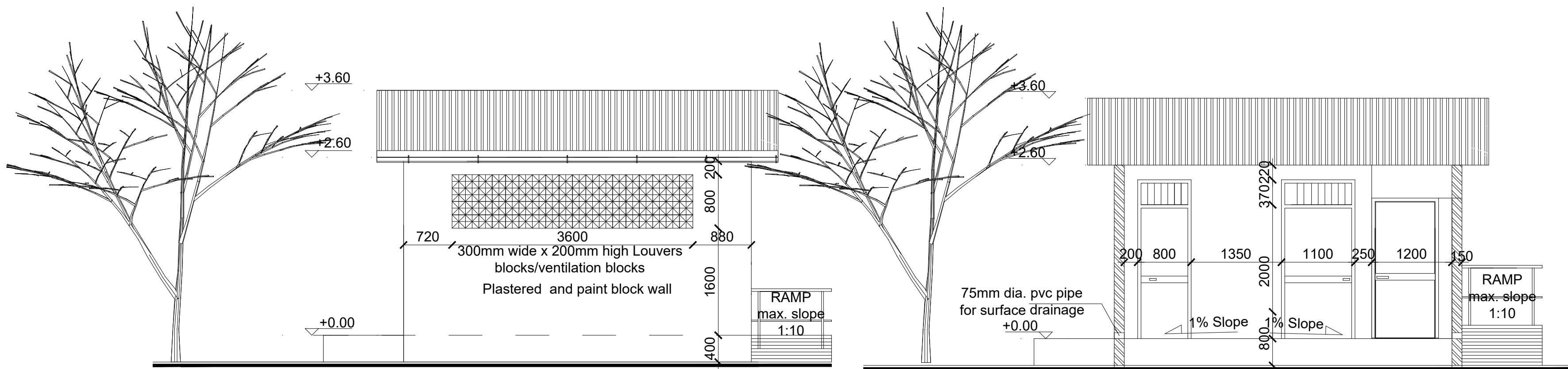
PROPOSED VIP LATRINES (MALE)

A BLOCK OF TWO STANCE (NORMAL SOIL)

Drawing Title

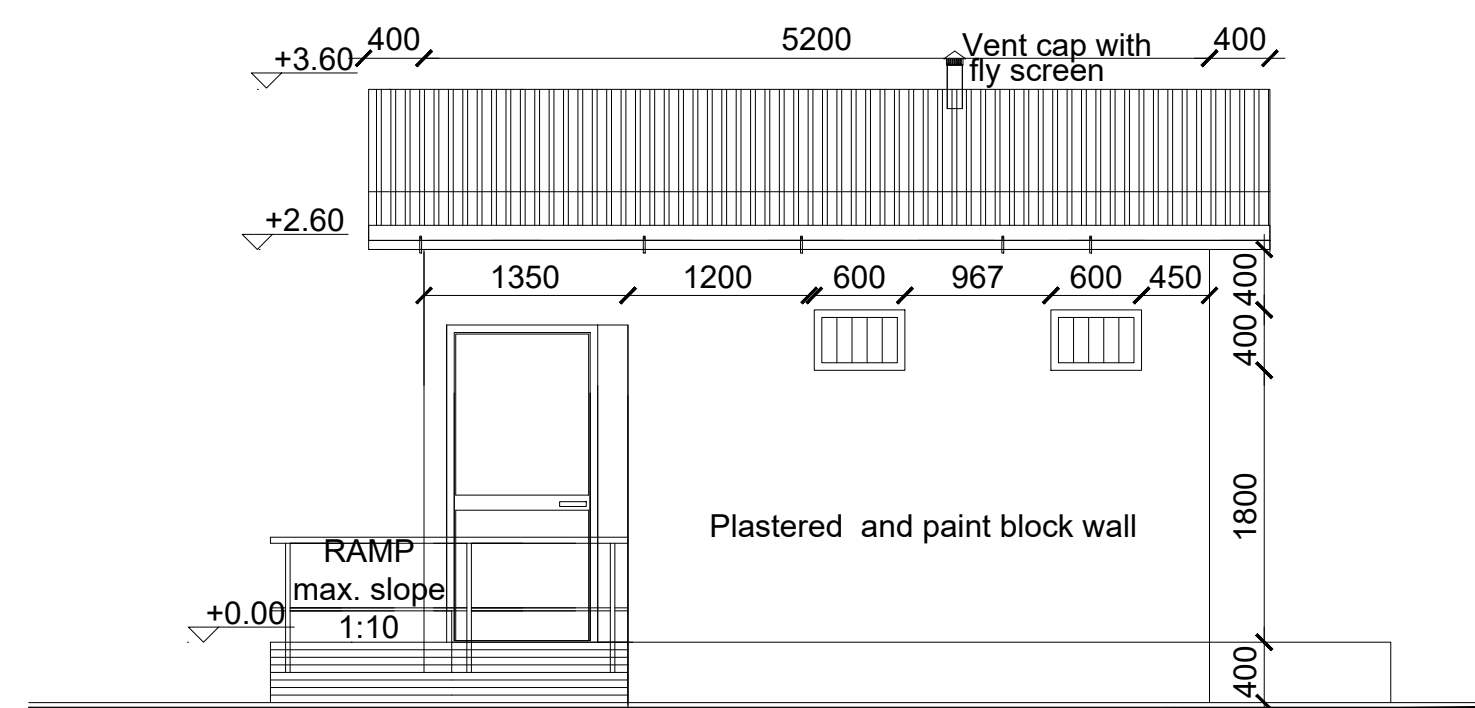
FLOOR PLAN, ROOF PLAND AND SECTIONS

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: -----
Sheet #: 2/6	Scale: AS SPECIFIED
Date:	Rev:

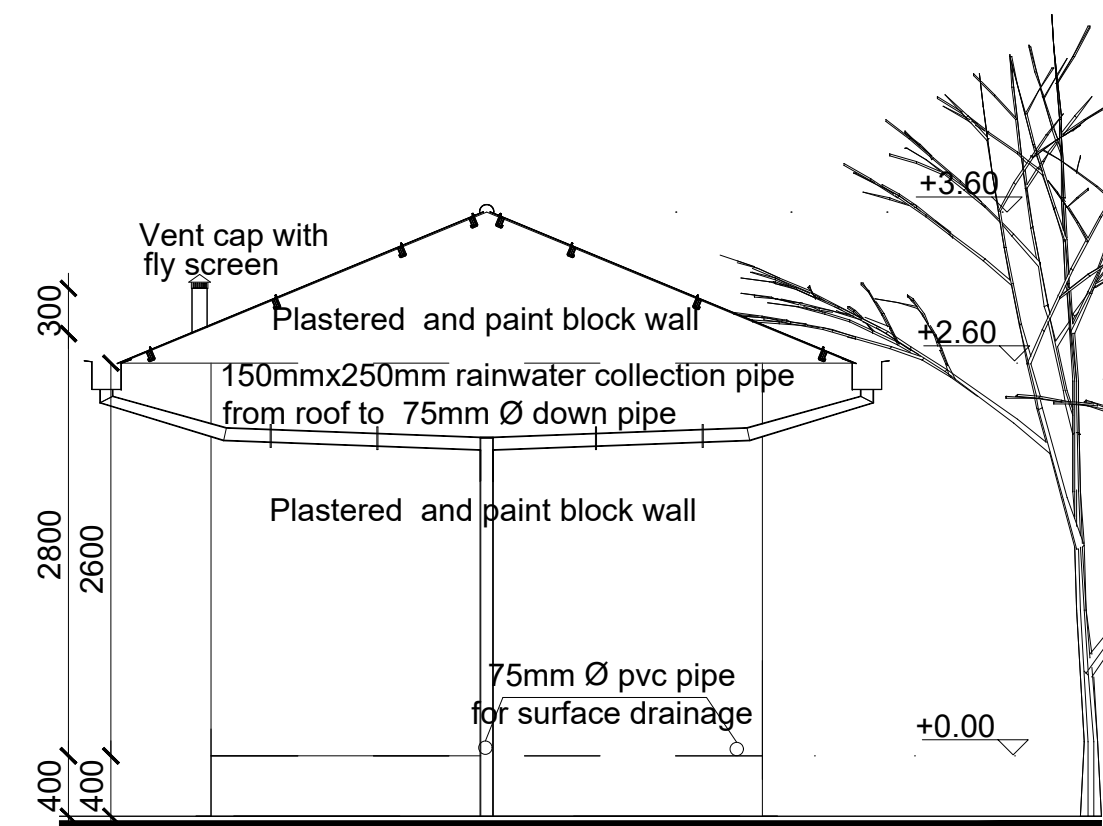


FRONT SIDE ELEVATION 1

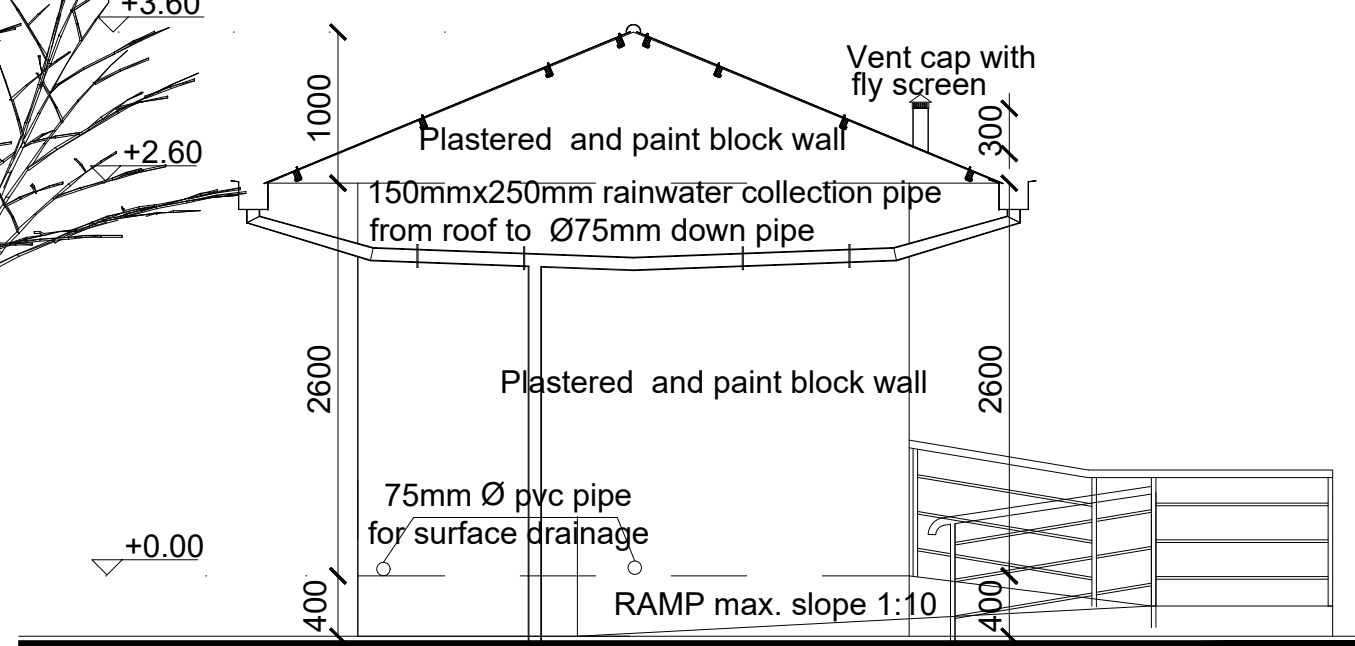
FRONT SIDE ELEVATION 1A (without front wall)



REAR ELEVATION 2

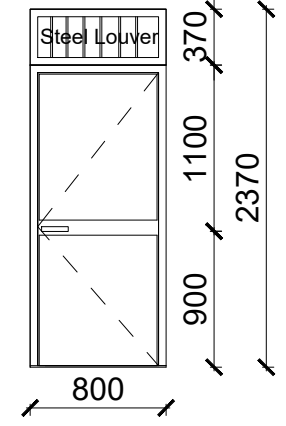
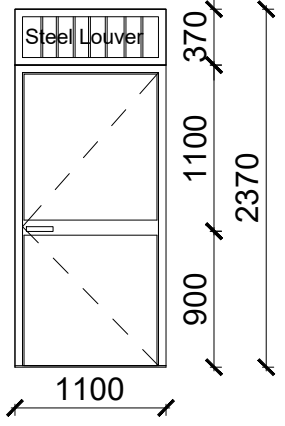
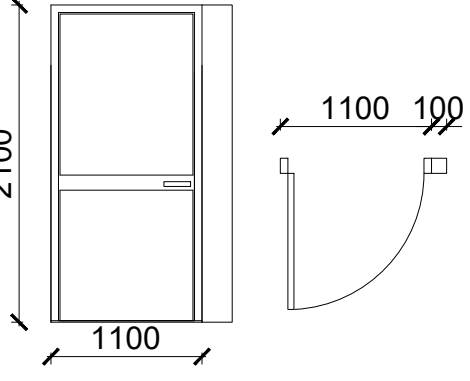


SIDE ELEVATION 3

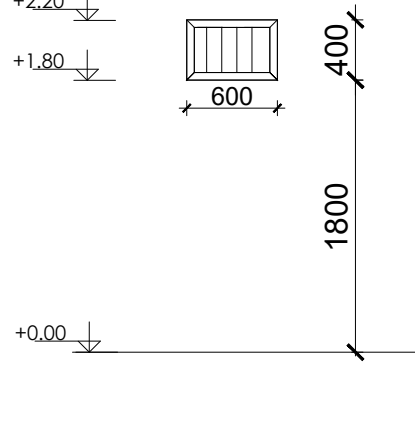


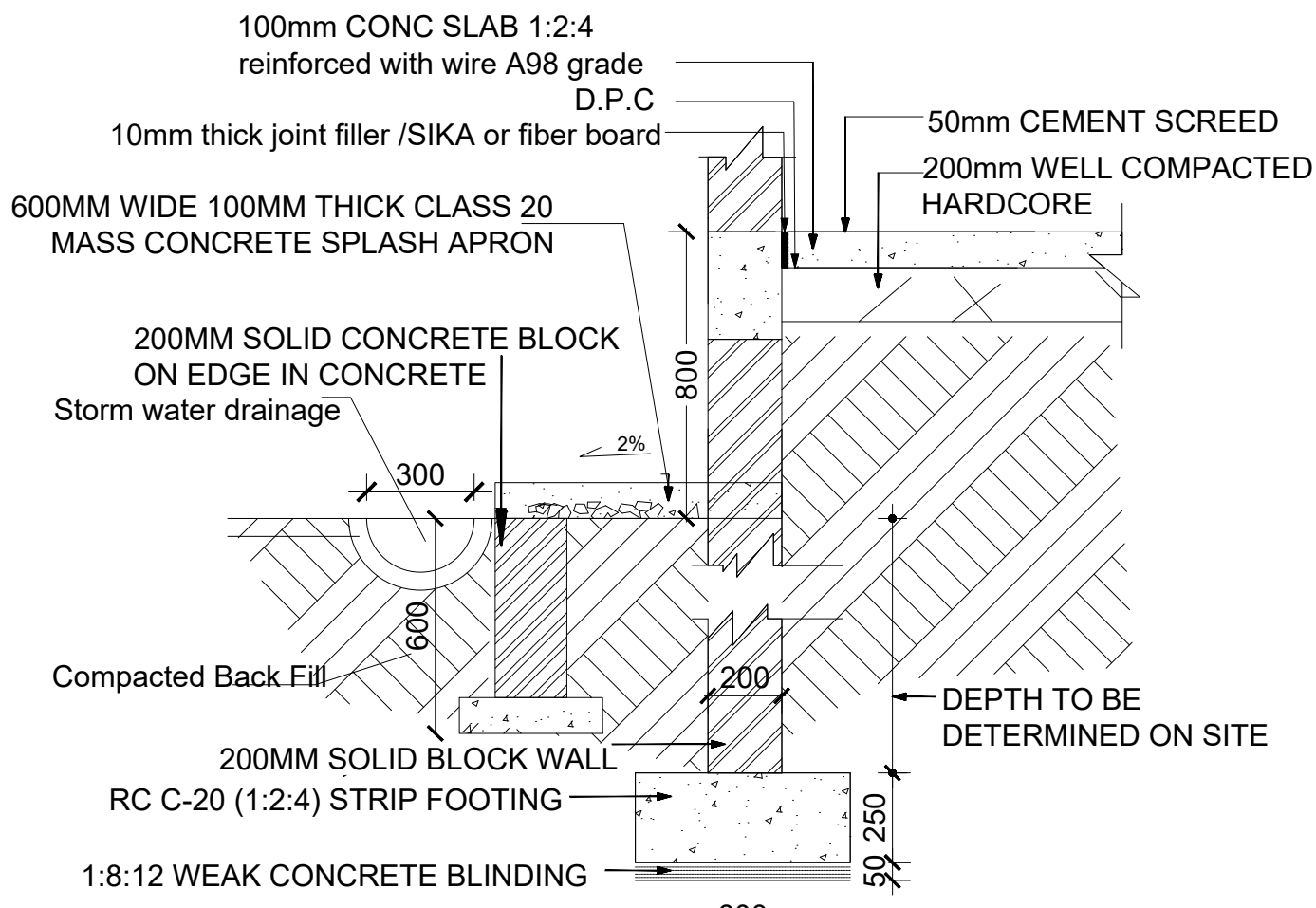
SIDE ELEVATION 4

DOOR SCHEDULE

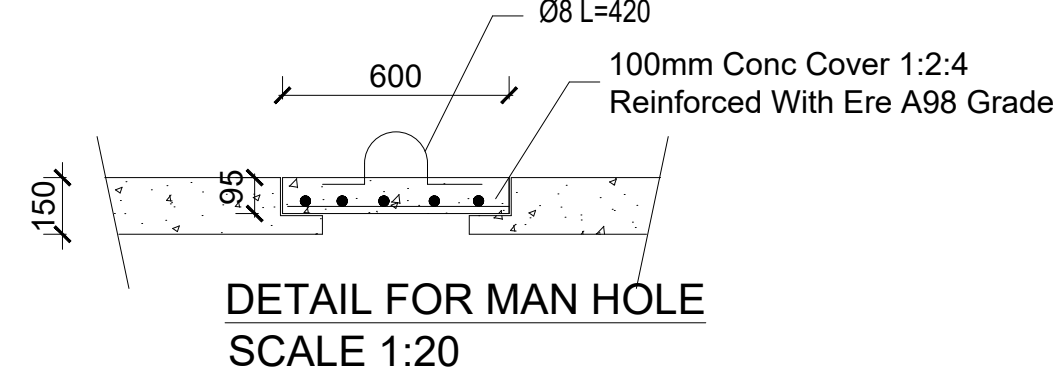
Door Name	D1	D2	D3
Quantity	1	1	1
Frame material	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint
Door leaf construction	180D opening made of 0.5mm flat metal pane	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 frames on the interior side	RHS 25X25X2 mm vertical steel bars at equal intervals welded to frames on the interior side	RHS 25X25X2 mm vertical steel bars at equal intervals welded to frames on the interior side
Ironmongry	stainless steel pull-push bar handle	stainless steel pull-push bar handle	stainless steel pull-push bar handle
Louver	0.5mm thick steel louvers welded at top to the frame.	0.5mm thick steel louvers welded at top to the frame.	
			

WINDOW SCHEDULE

Window Name	W1
Quantity	2
Frame material	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint
Burglar proofing	
Louvers	Steel Louver
	



FOUNDATION DETAIL (SCALE 1:20)
SCALE 1:20





DETAIL FOR MAN HOLE
SCALE 1:20

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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 VIP LATRINES (MALE)	
A BLOCK OF TWO STANCE (NORMAL SOIL)	
Drawing Tittle	
FLOOR PLAN, ROOF PLAND AND SECTIONS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: -----
Sheet #: 3/6	Scale: AS SPECIFIED
Date:	Rev: 0

STRUCTURAL NOTES:

- I) Building shall be founded on load bearing stone masonry wall having a depth of 1800mm from the natural ground level with bottom of excavation compacted prior to laying the foundation wall.
- II) Stone masonry foundation shall be placed on the natural black cotton soil and achieve a minimum bearing capacity of 100 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 the stone 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 $f_yk = 460$ 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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Program




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

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:

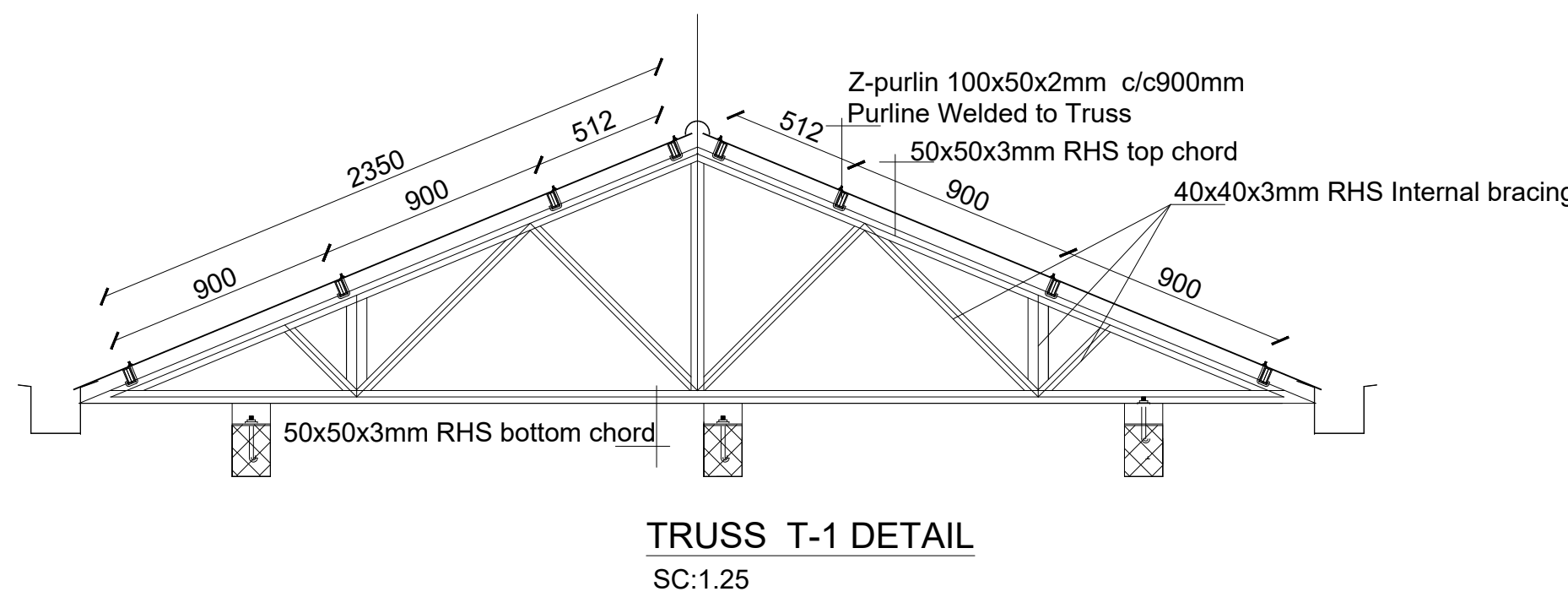
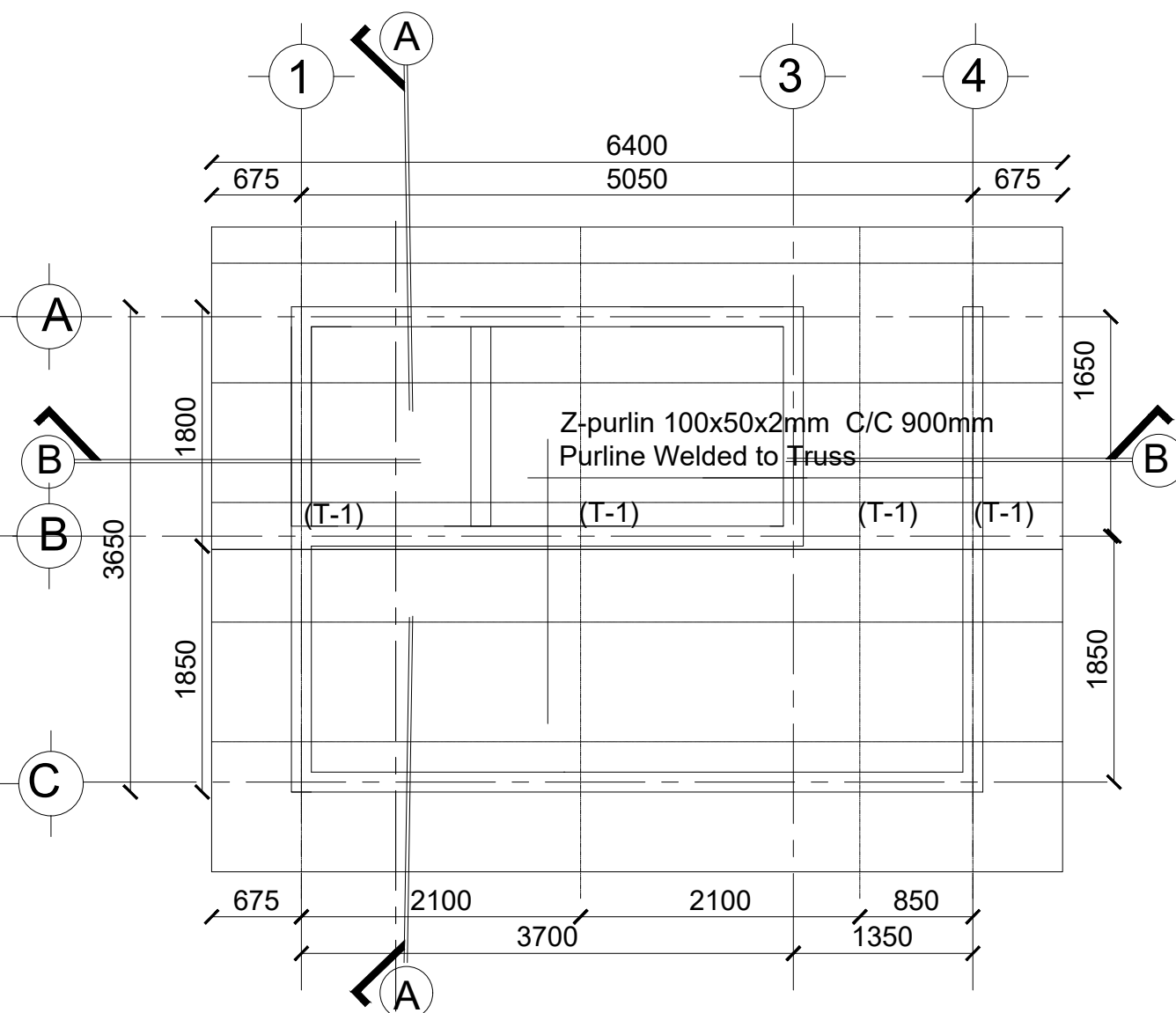
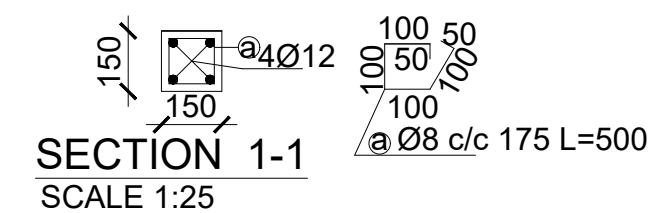
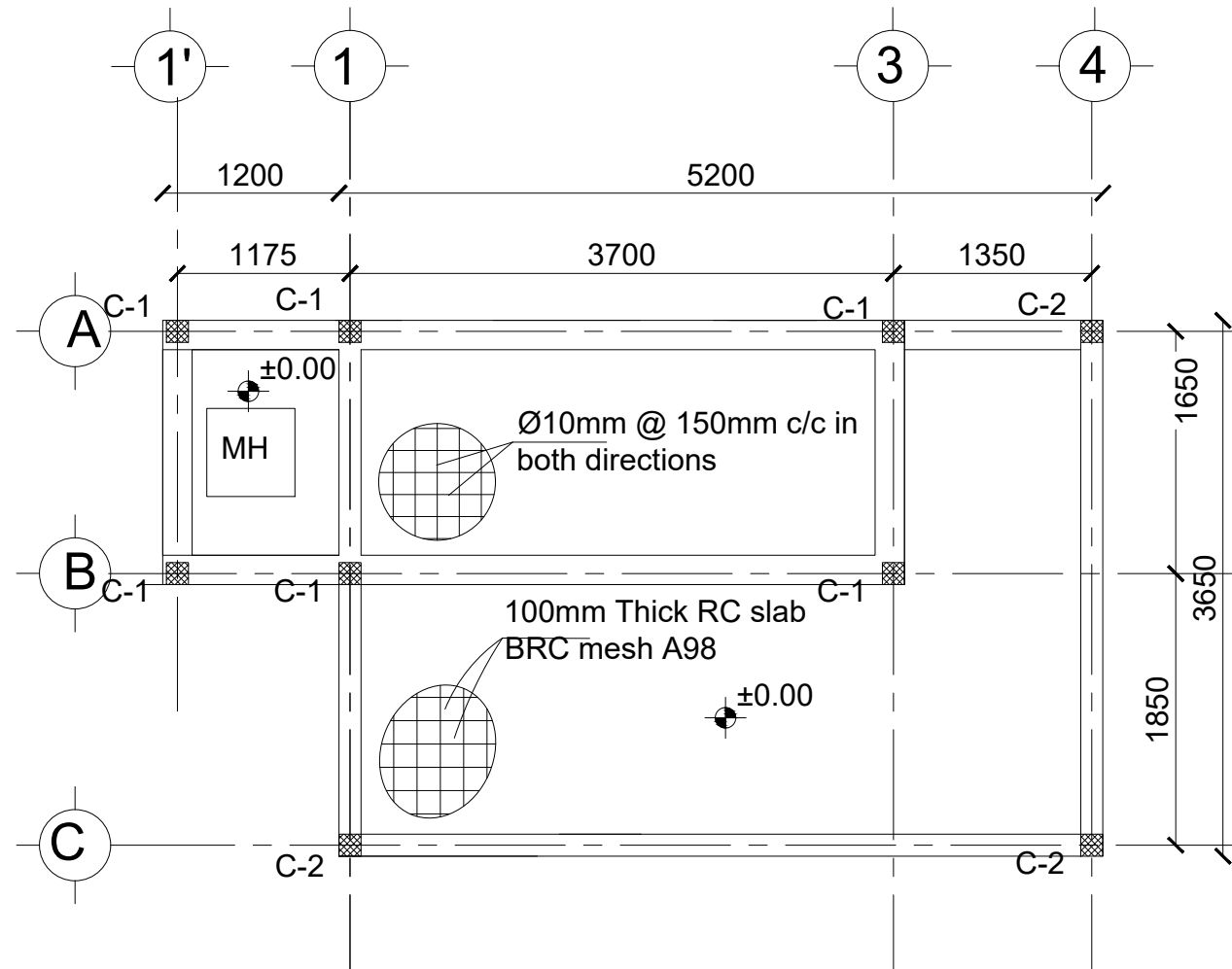
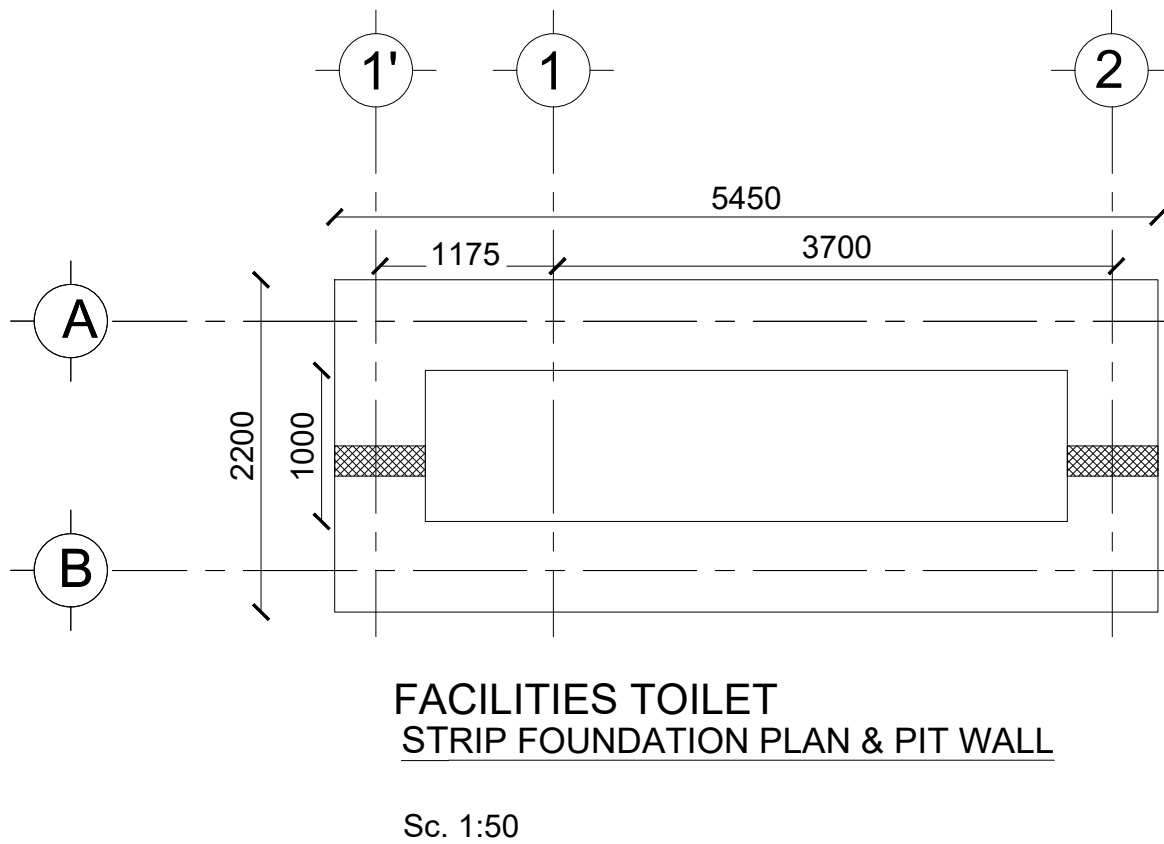
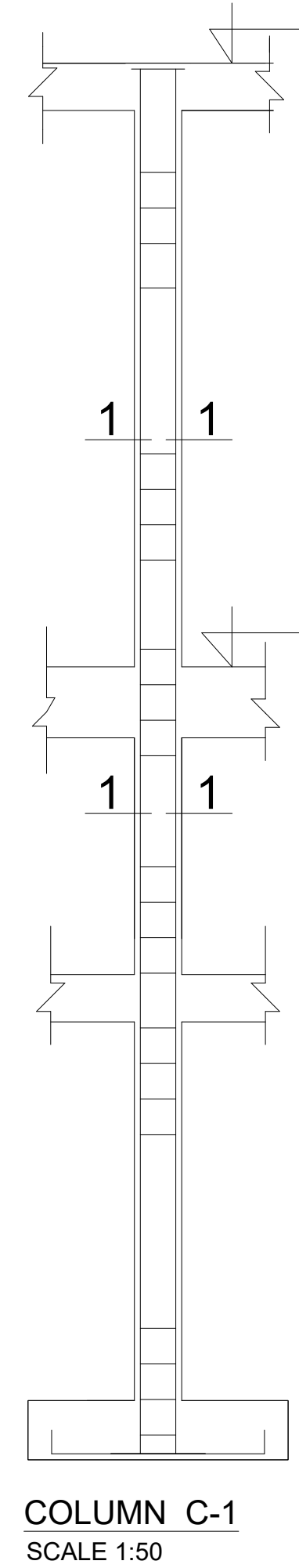
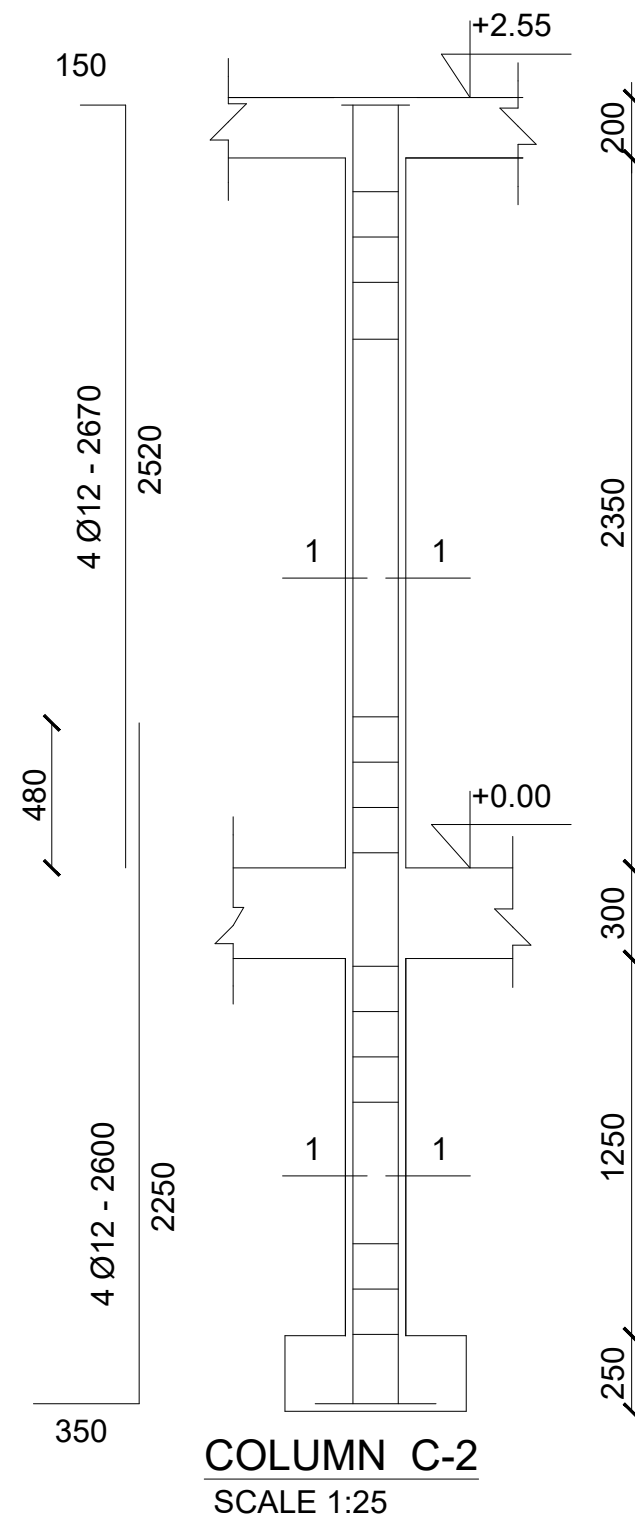
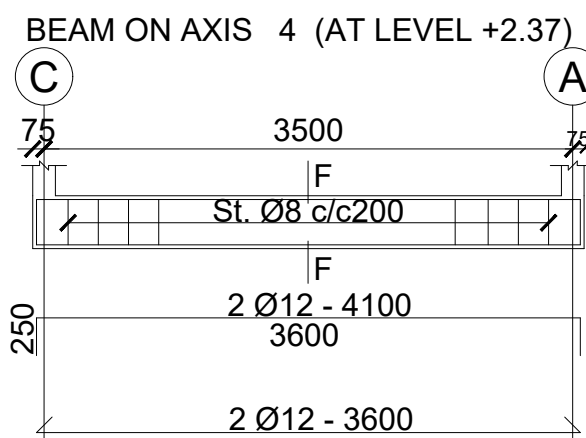
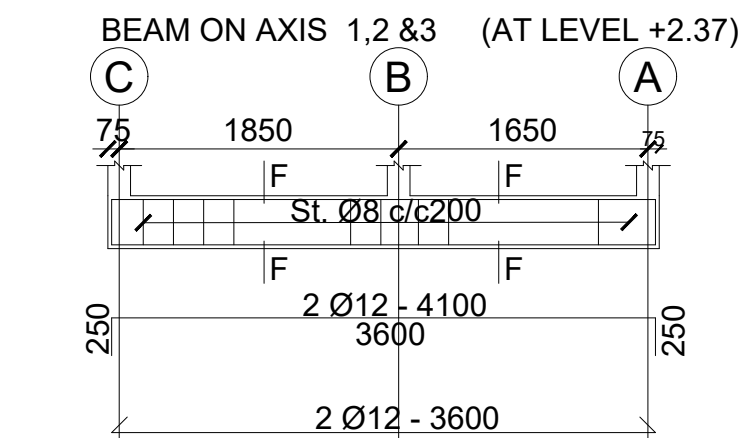
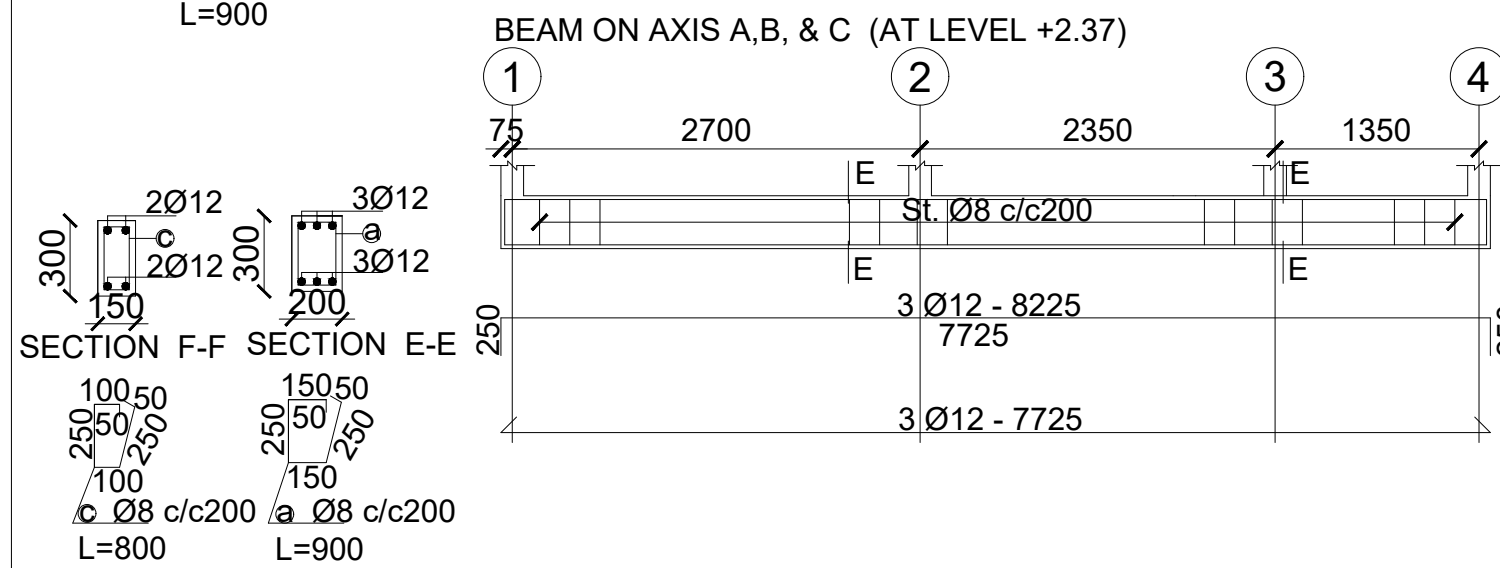
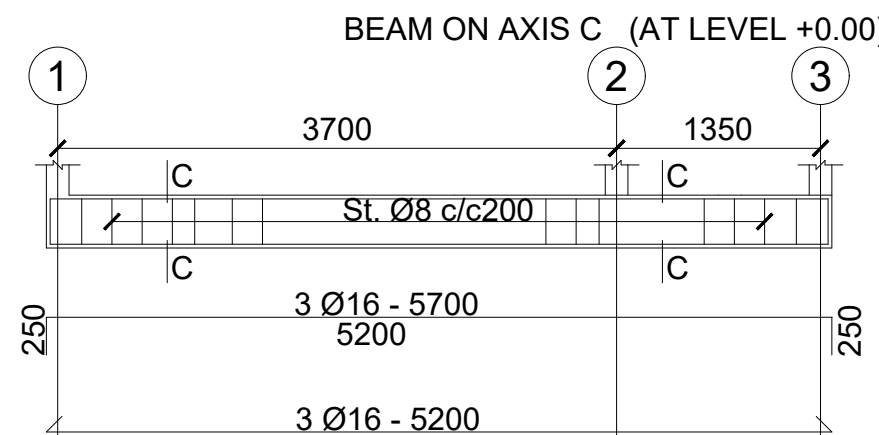
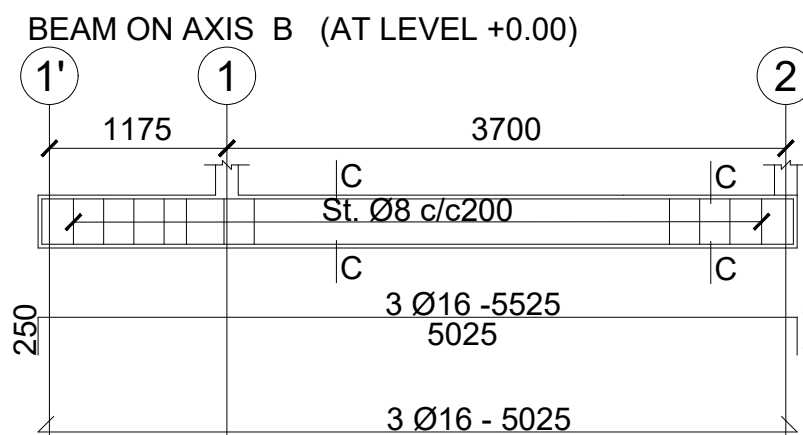
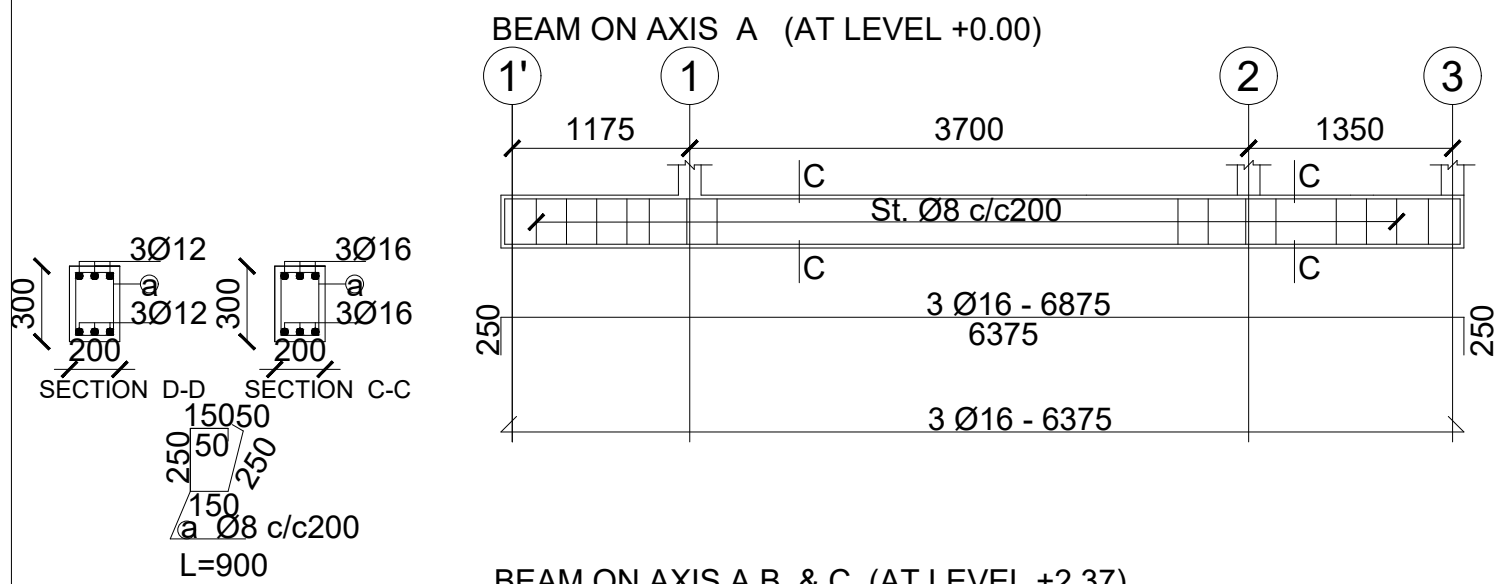
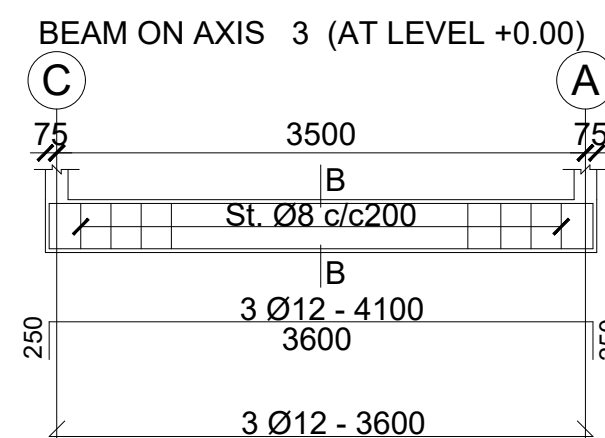
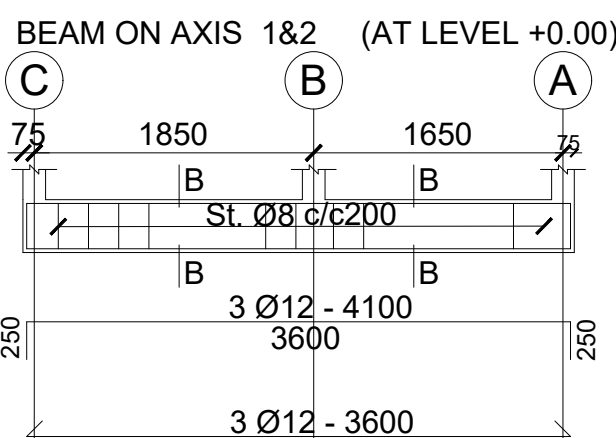
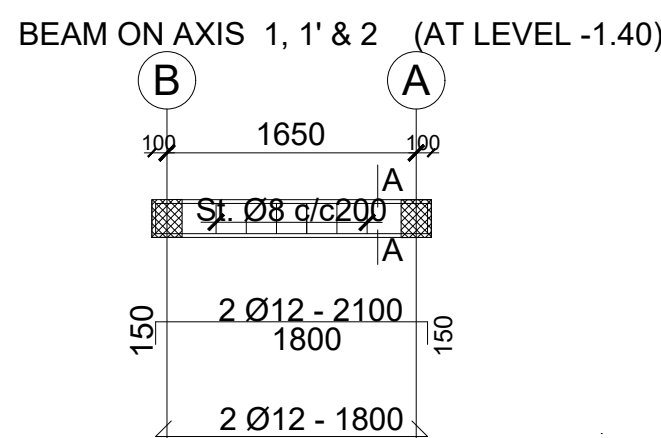
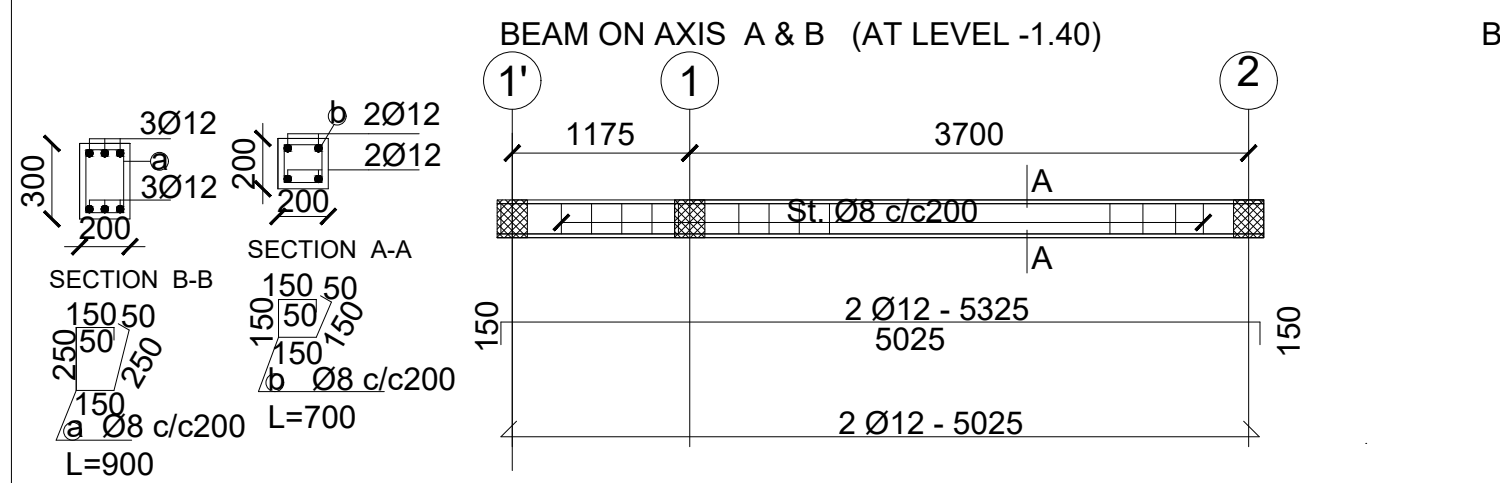


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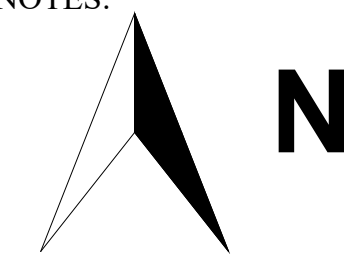
PROPOSED VIP LATRINES (MALE)
A BLOCK OF TWO STANCE (NORMAL SOIL)
Drawing Title

STRUCTURAL NOTES

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 4/6	Scale: AS SPECIFIED
Date: 17 January 2024	Rev: 0



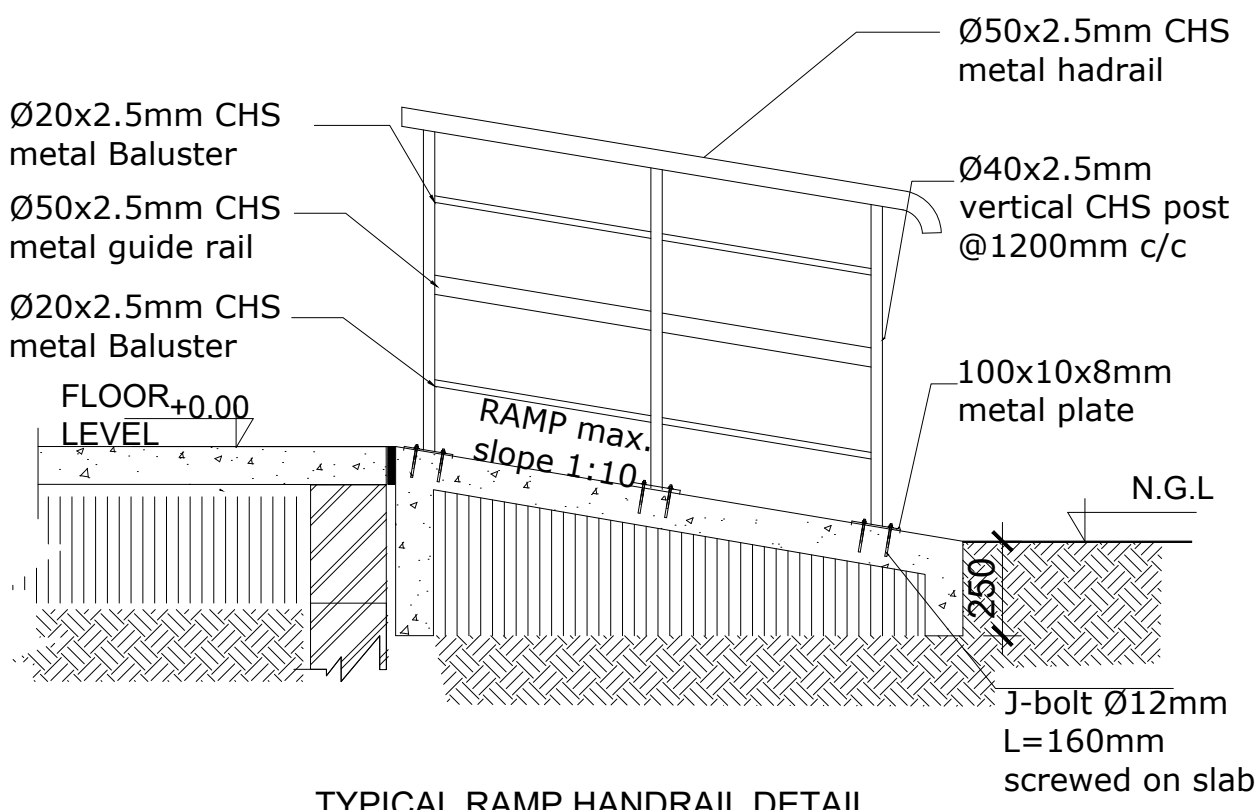
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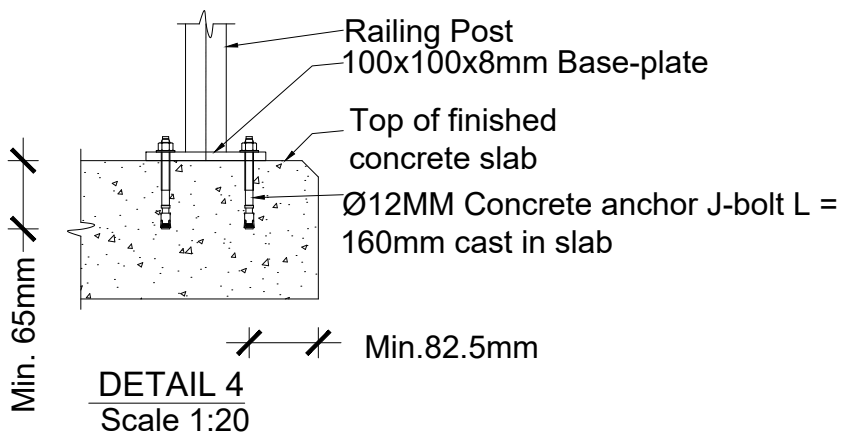
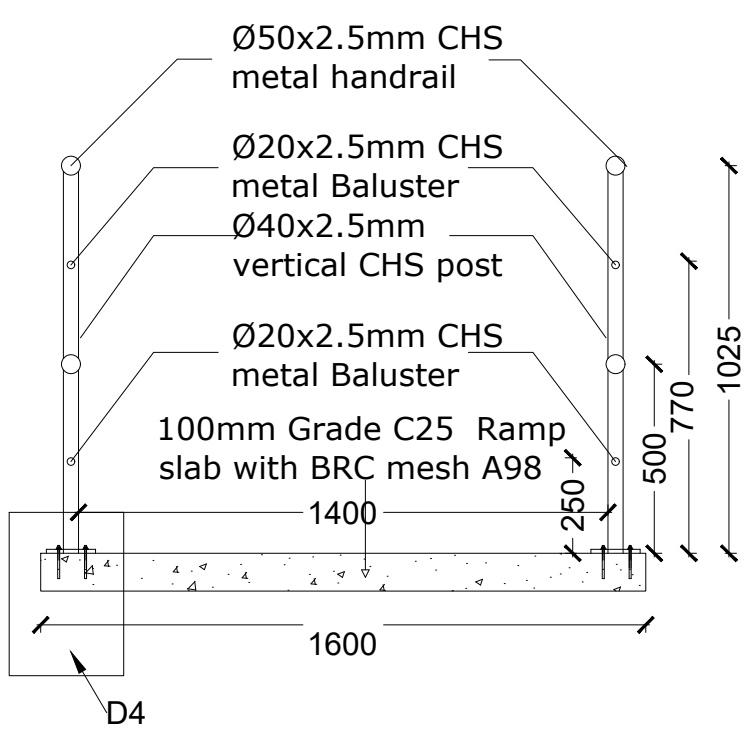
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Program	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
Project:	
PROPOSED VIP LATRINES (MALE)	
A BLOCK OF TWO STANCE (NORMAL SOIL)	
Drawing Title	
STRUCTURAL DETAILS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 5/6	Scale: AS SPECIFIED
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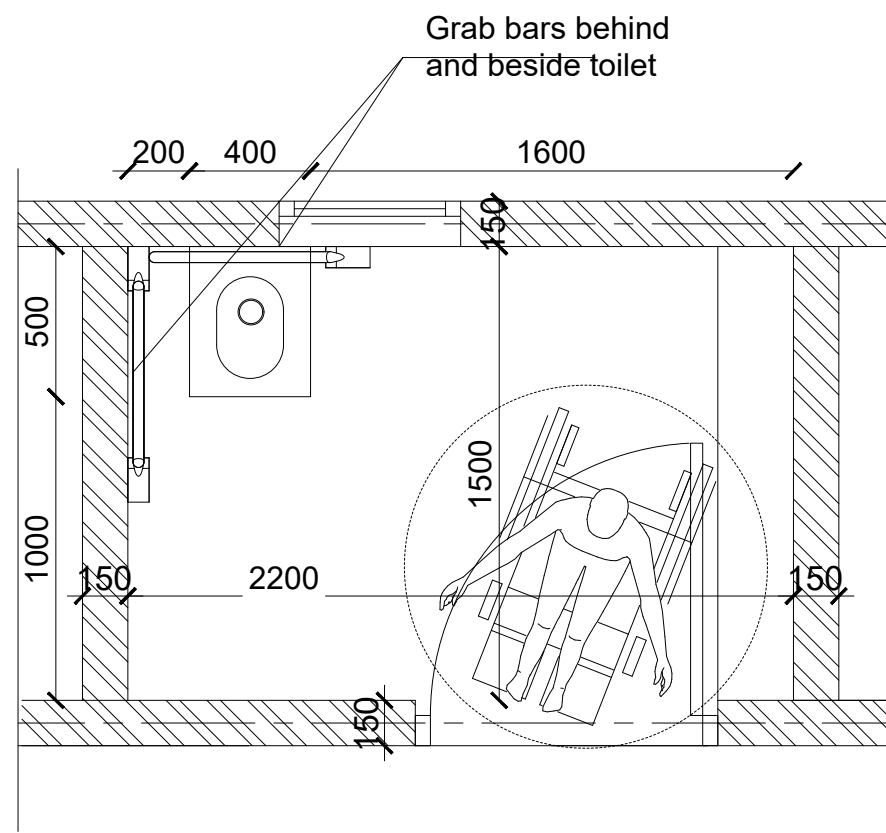


TYPICAL RAMP HANDRAIL DETAIL

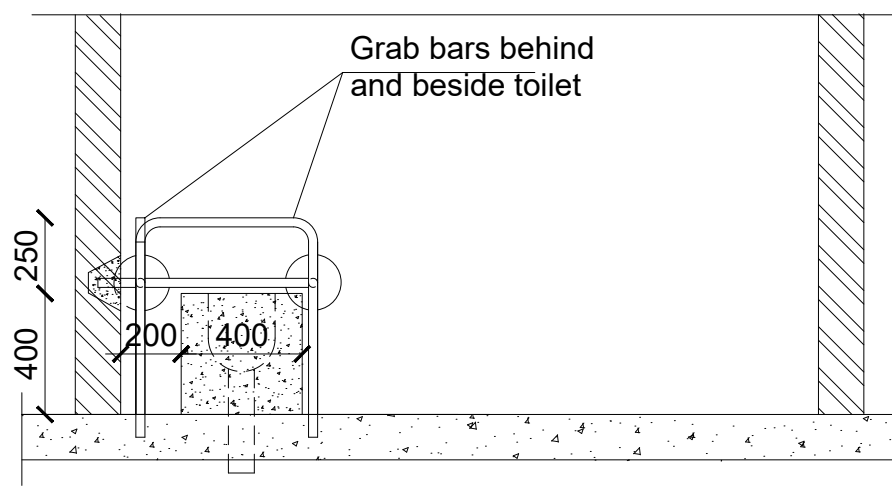
Scale 1:20



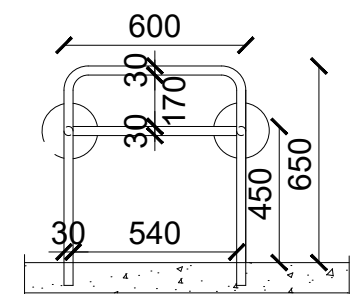
DETAIL 4
Scale 1:20



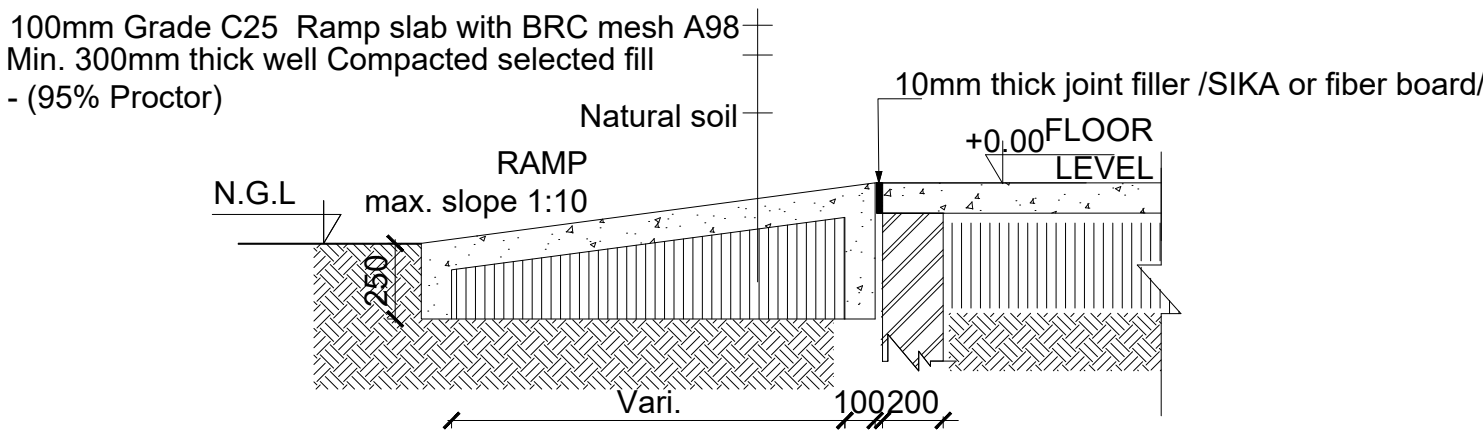
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FRONT VIEW

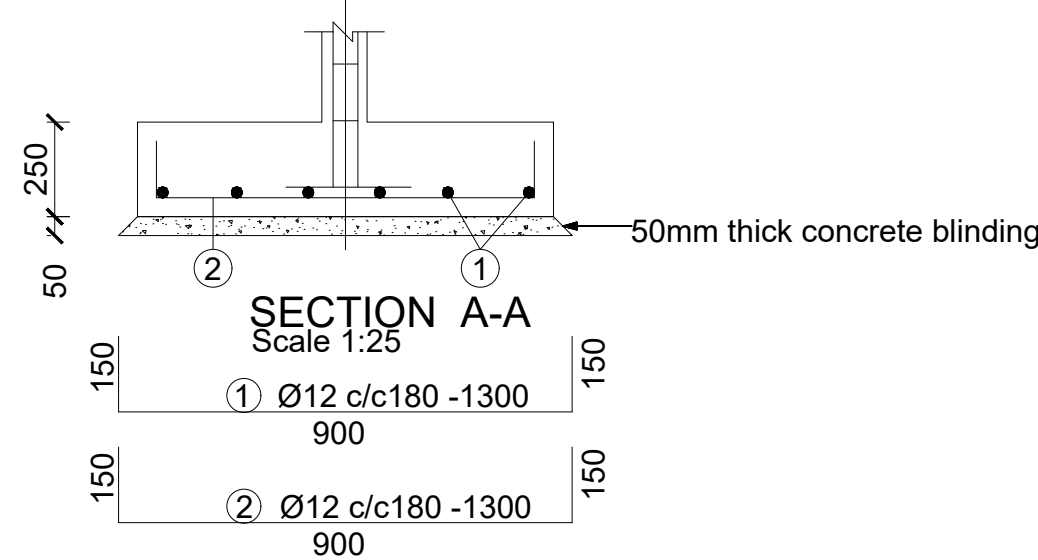
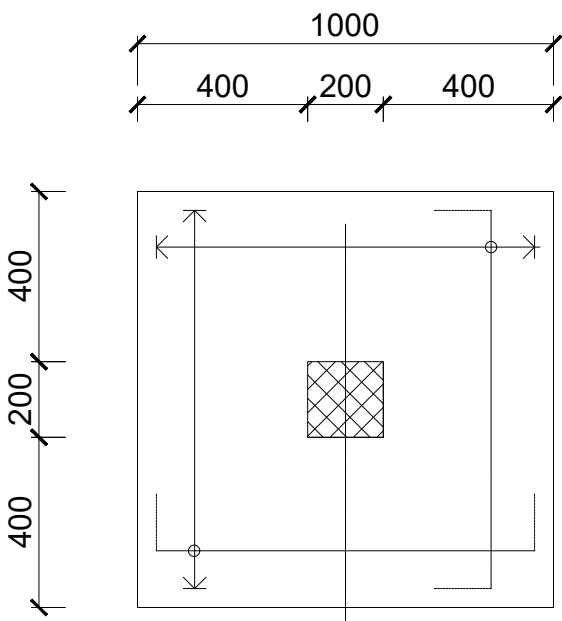


GRAB BAR DETAILS



RAMP DETAIL

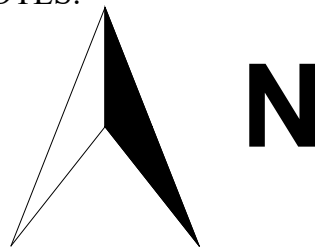
SCALE 1:25



COLUMN - C1 FOOTING DETAIL

SCALE 1:20

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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

PROPOSED VIP LATRINES (MALE)

A BLOCK OF TWO STANCE (NORMAL SOIL)

Drawing Title

STRUCTURAL DETAILS			
Designed By:	H.A	Drawn by:	H.A
Checked:	F.E & G.O	Approved:	-----
Sheet #:	6/6	Scale:	AS SPECIFIED
Date:	17 January 2024	Rev:	0

SANITATION FACILITIES - A BLOCK OF TWO STANCE VIP LATRINES (FEMALE)


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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 VIP LATRINES (FEMALE)
A BLOCK OF TWO STANCE (BLACK COTTON SOIL)
Drawing Title

COVER PAGE

Designed By: H.A

Drawn by: H.A

Checked: F.E & G.O

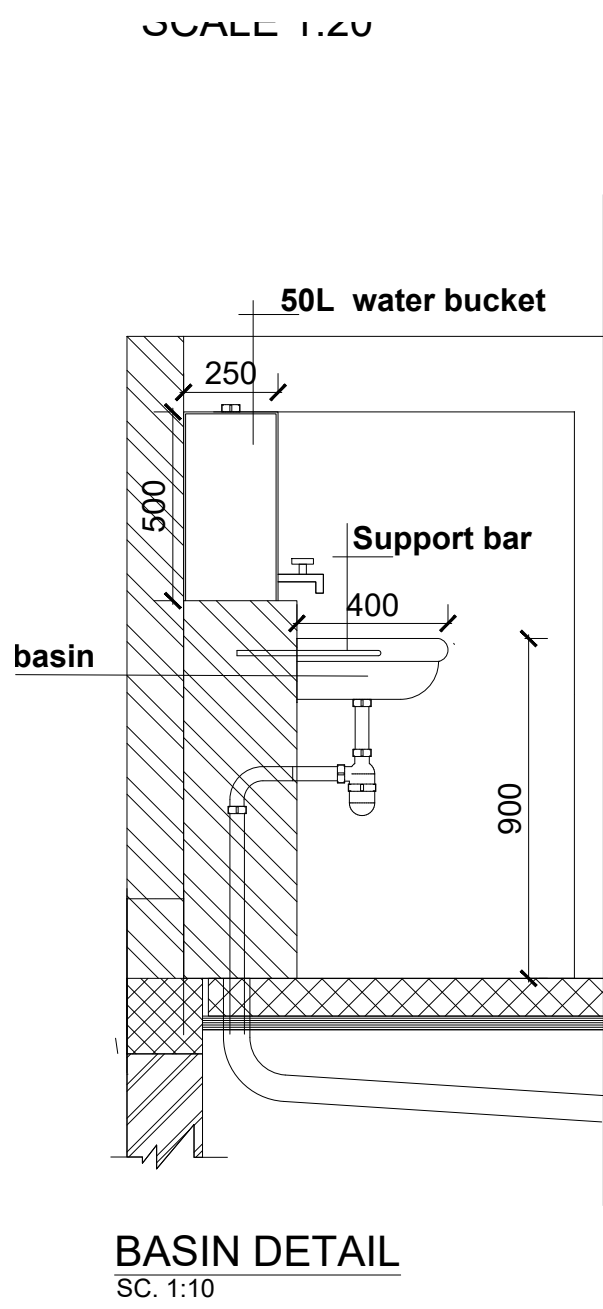
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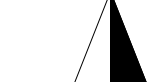
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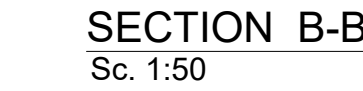
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Program



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

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

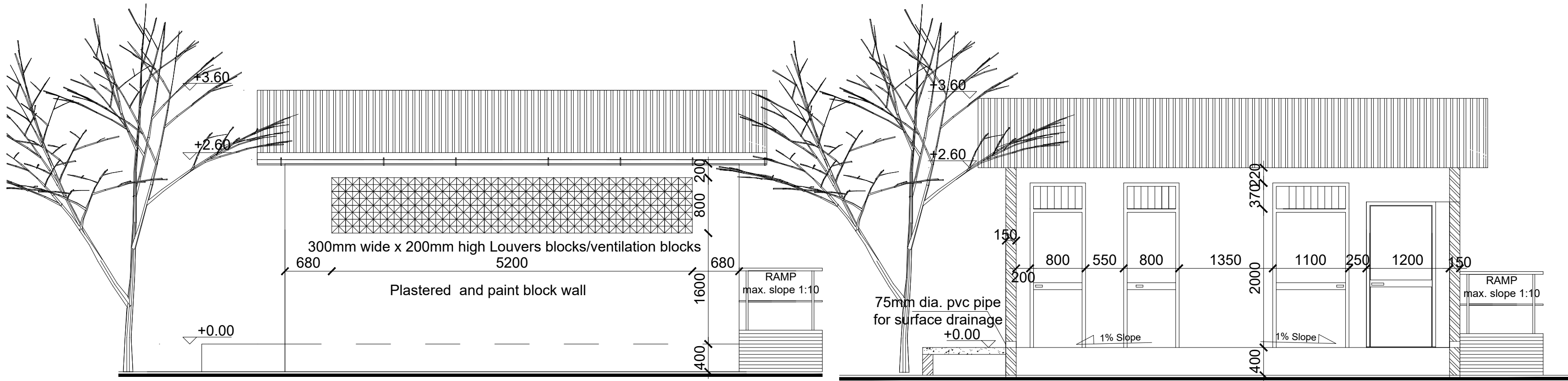
PROPOSED VIP LATRINES (FEMALE)

A BLOCK OF TWO STANCE AND WASHROOM (BLACK COTTON SOIL)

Drawing Tittle

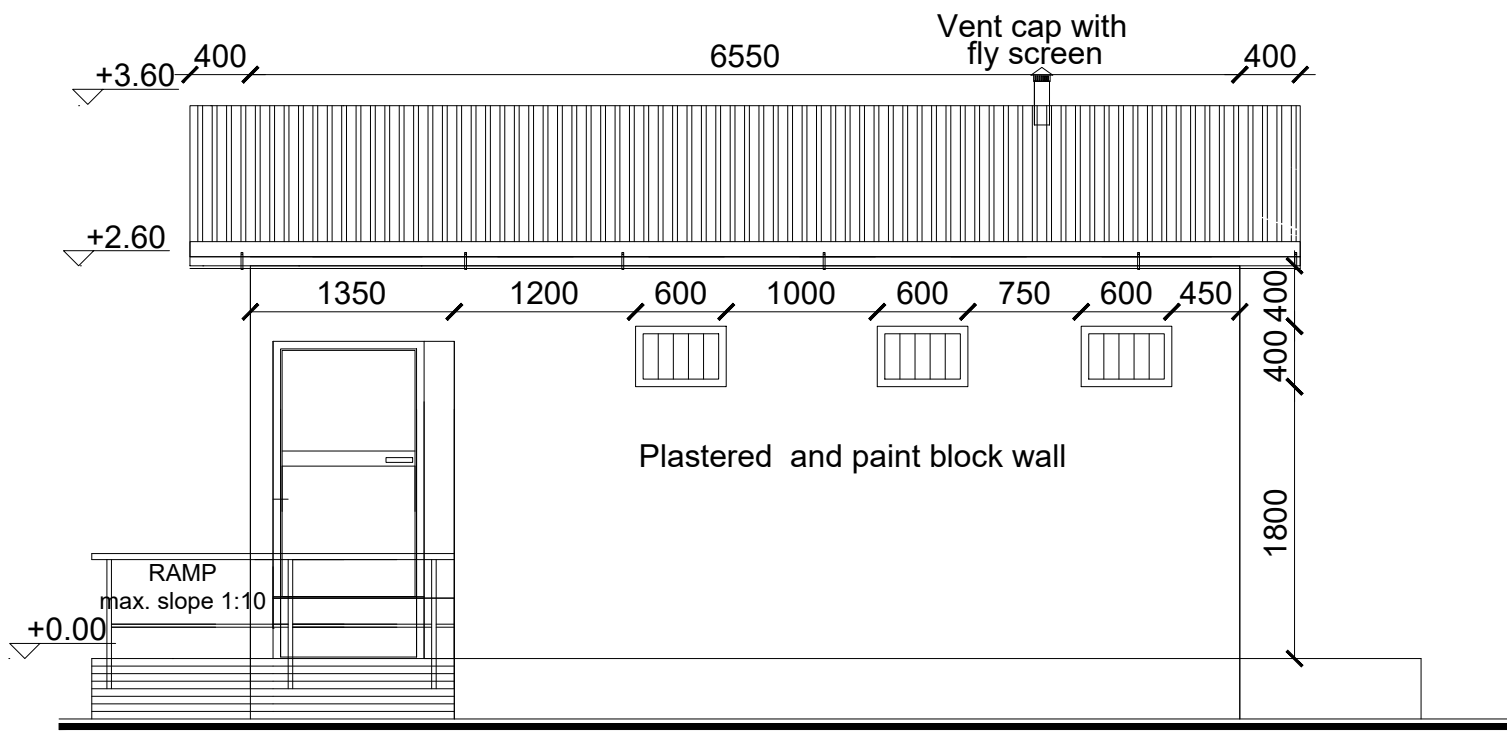
FLOOR PLAN, ROOF PLAND AND SECTIONS

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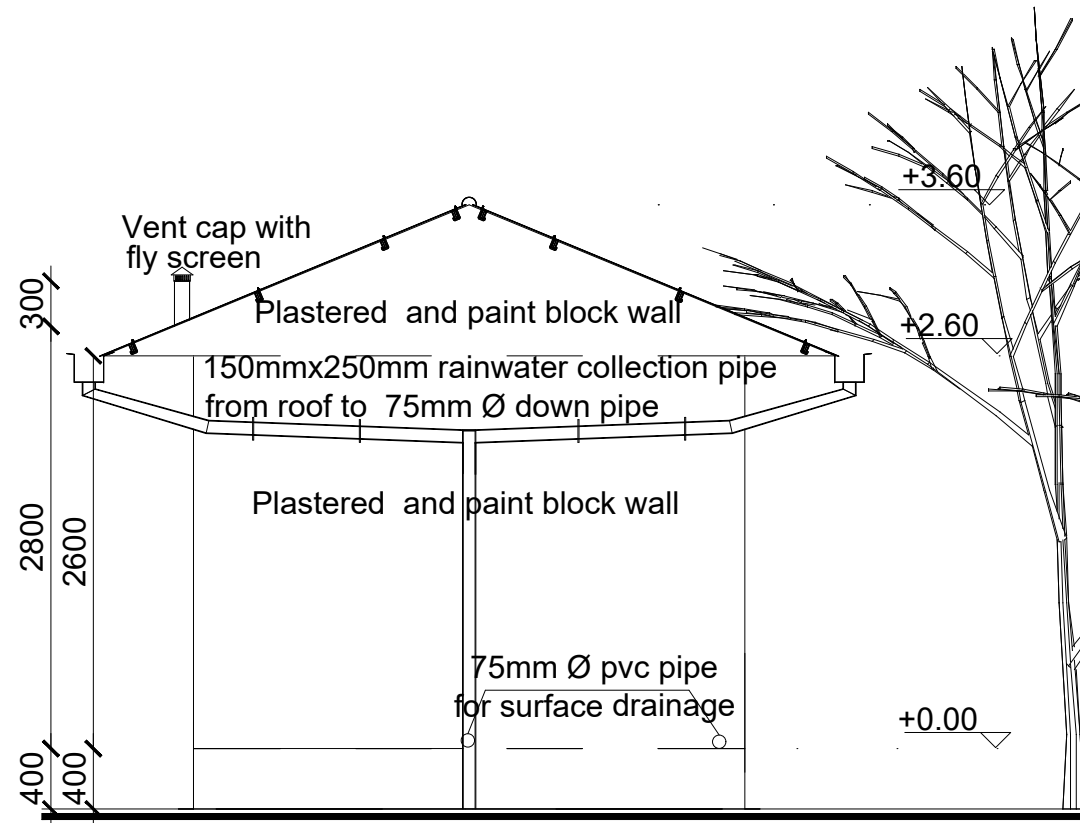


FRONT SIDE ELEVATION 1

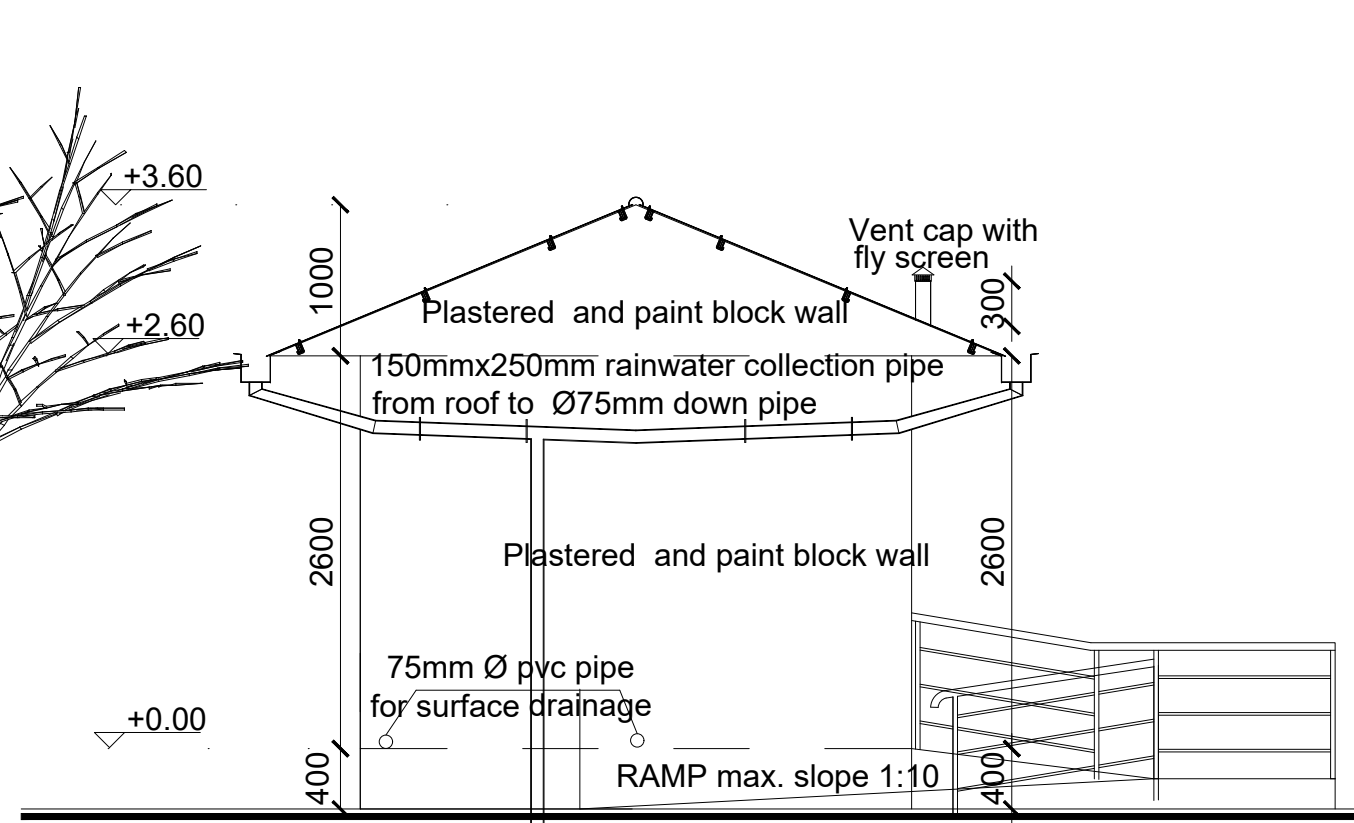
FRONT SIDE ELEVATION 1A (without front wall)



REAR ELEVATION 2

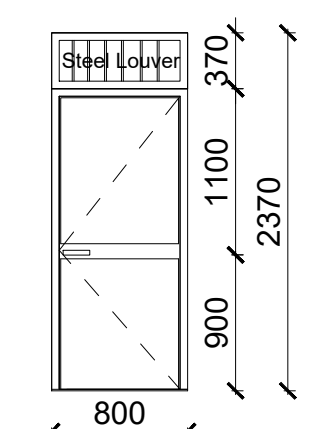
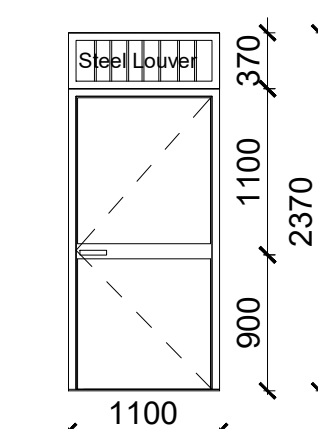
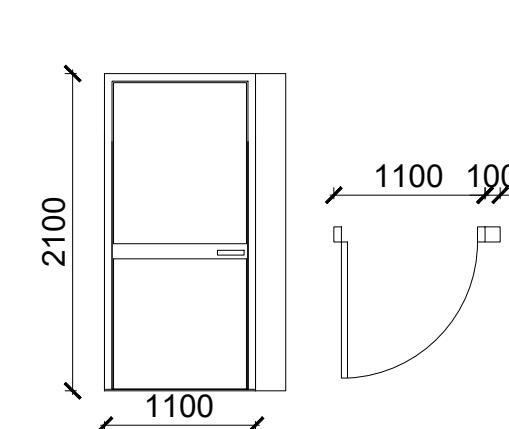


SIDE ELEVATION 3

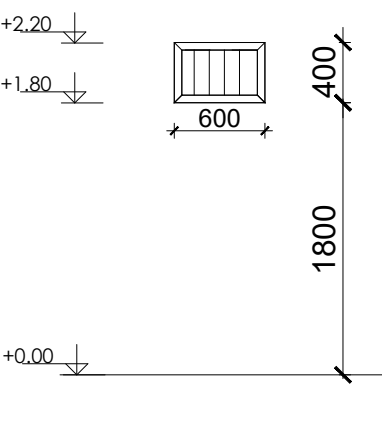


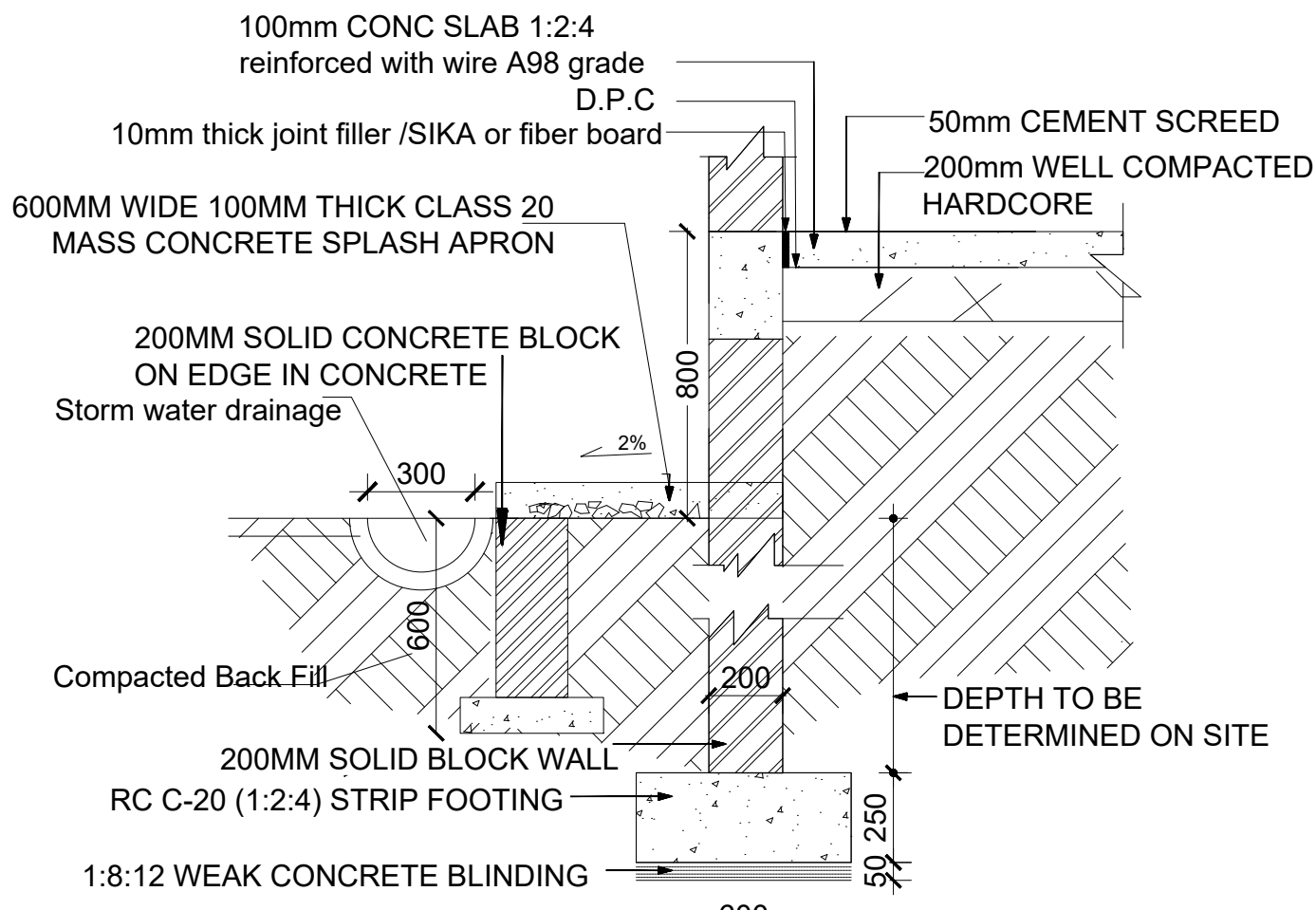
SIDE ELEVATION 4

DOOR SCHEDULE

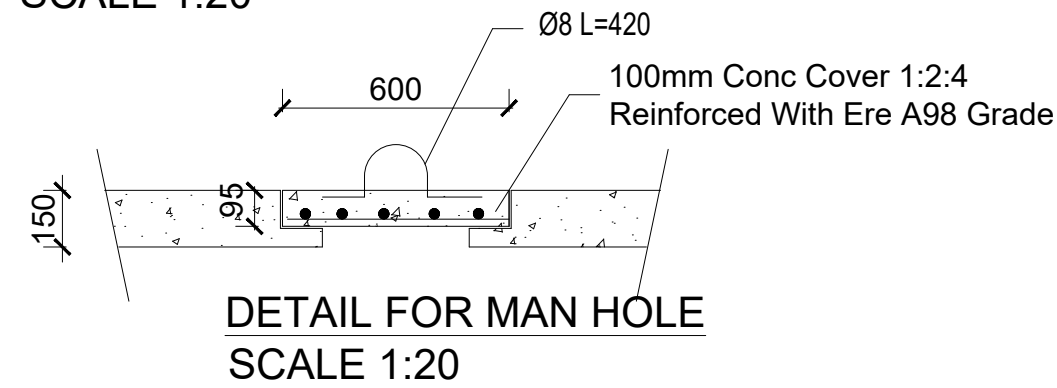
Door Name	D1	D2	D3
Quantity	2	1	1
Frame material	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint
Door leaf construction	180D opening made of 0.5mm flat metal pane	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 frames on the interior side	RHS 25X25X2 mm vertical steel bars at equal intervals welded to frames on the interior side	RHS 25X25X2 mm vertical steel bars at equal intervals welded to frames on the interior side
Ironmongry	stainless steel pull-push bar handle	stainless steel pull-push bar handle	stainless steel pull-push bar handle
Louver	0.5mm thick steel louvers welded at top to the frame.	0.5mm thick steel louvers welded at top to the frame.	
			

WINDOW SCHEDULE

Window Name	W1
Quantity	3
Frame material	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint
Burglar proofing	
Louvers	Steel Louver
	

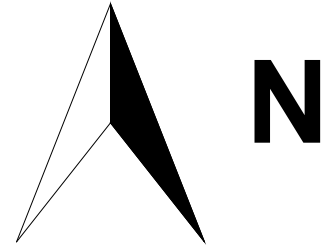


FOUNDATION DETAIL (SCALE 1:20)
SCALE 1:20





DETAIL FOR MAN HOLE
SCALE 1:20

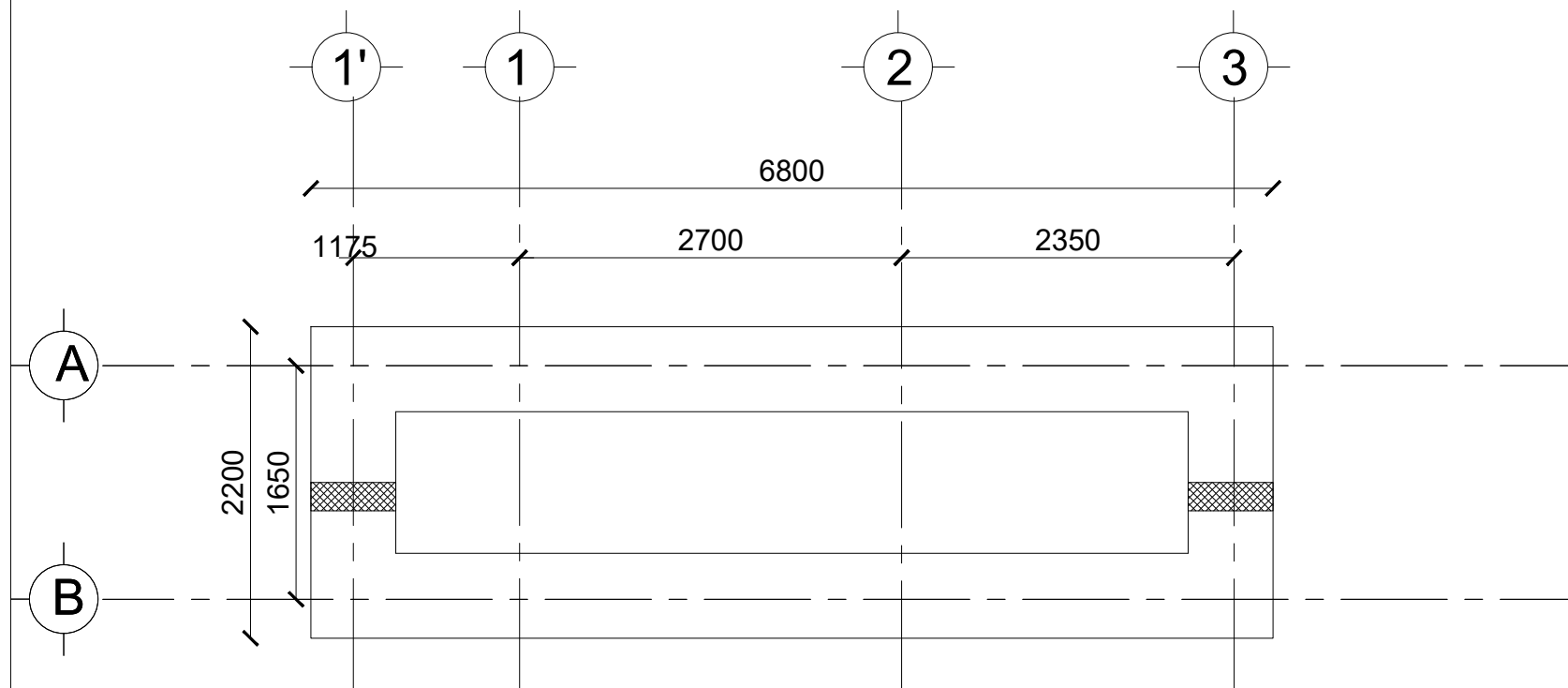
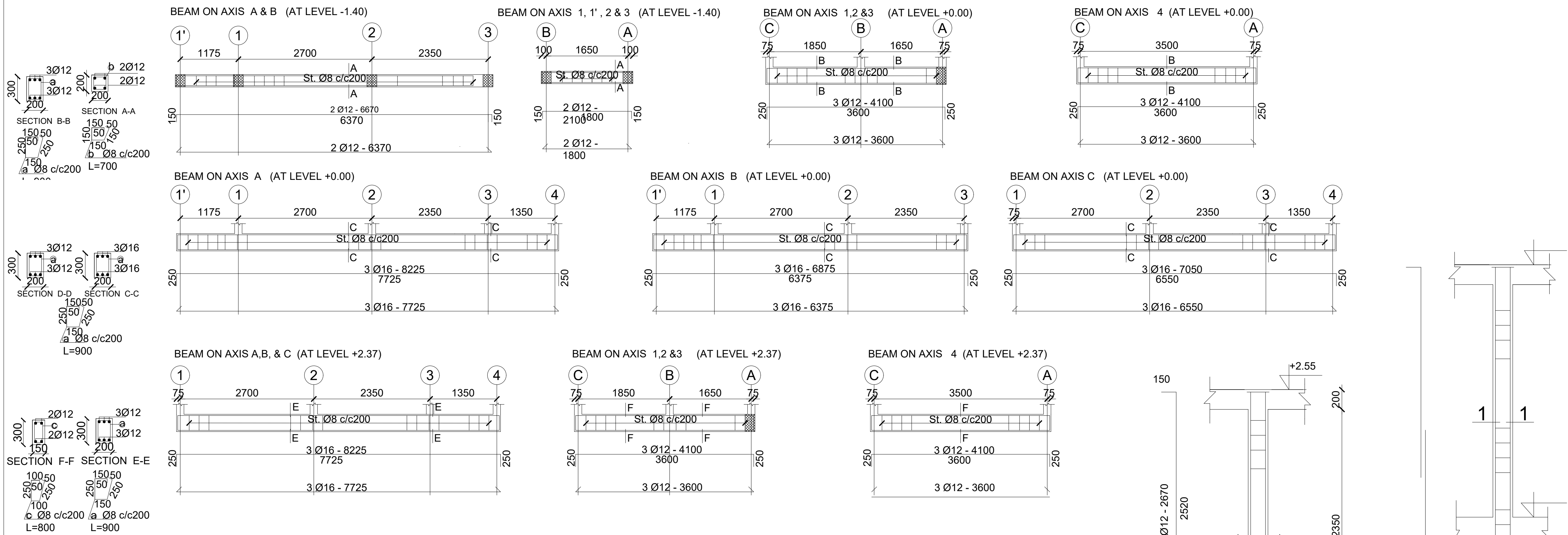
GENERAL NOTES:



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3. Written dimensions overrides scaled dimensions.
4. Any discrepancy is to be reported to IOM site Engineer/Project manager before proceeding

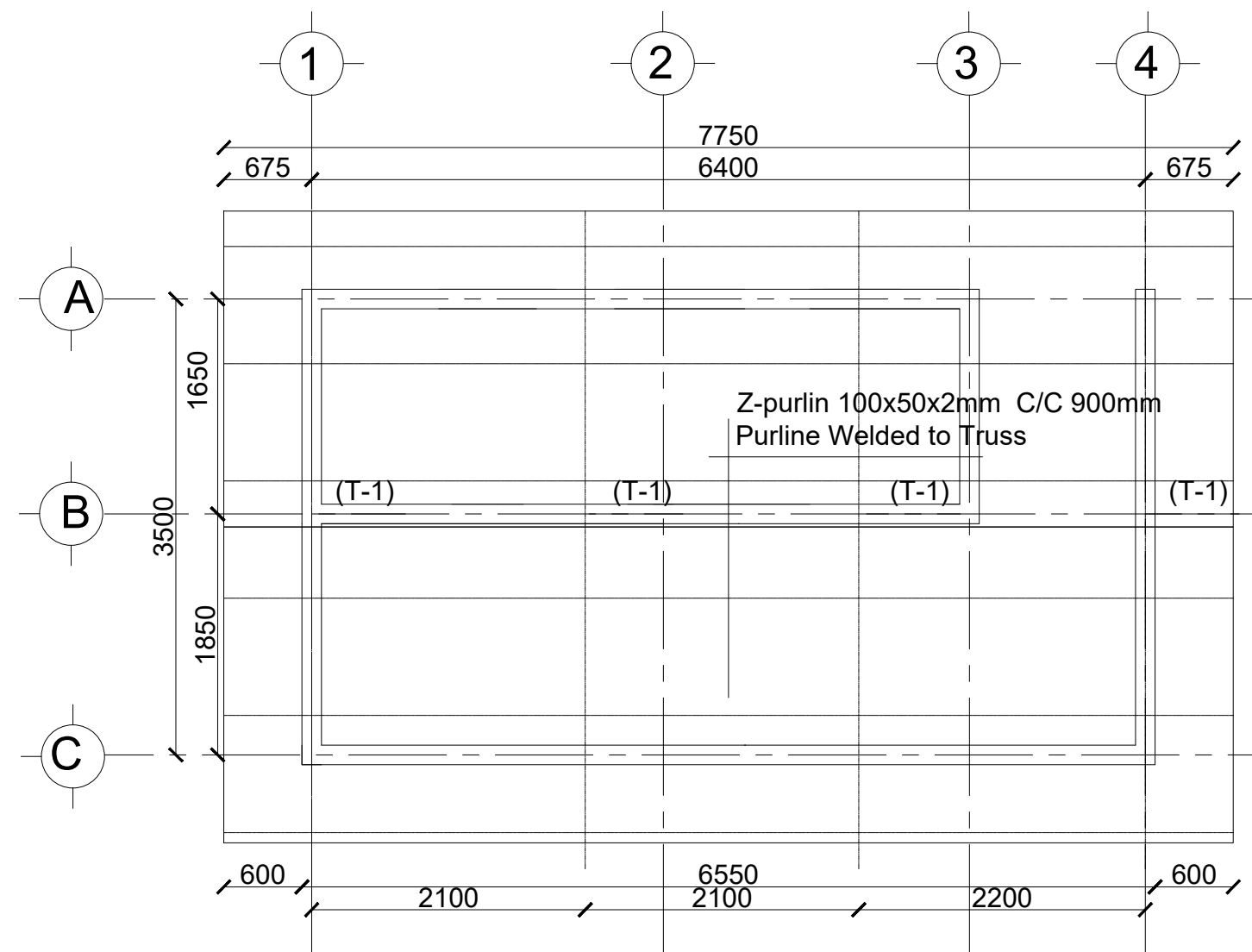
Rev:	Date	Description:	Approved
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Program	
 Enhancing Community Resilience and Local Governance Project Phase II (ECRP II)	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
	
Project:	
PROPOSED VIP LATRINES (FEMALE)	
A BLOCK OF TWO STANCE (BLACK COTTON SOIL)	
Drawing Tittle	
ELEVATIONS AND DETAILS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: -----
Sheet #: 3/5	Scale: AS SPECIFIED
Date:	Rev: 0



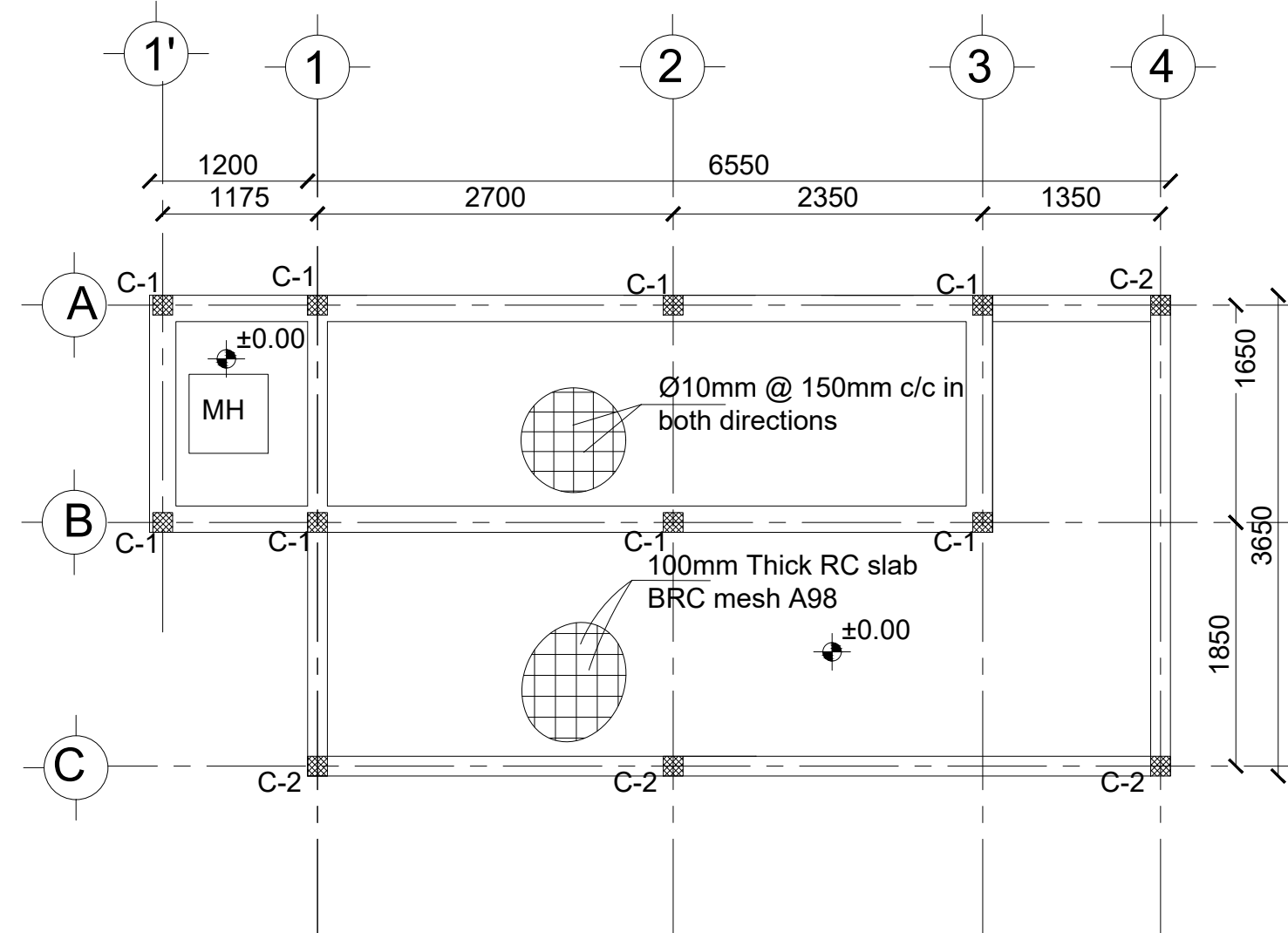
FACILITIES TOILET
STRIP FOUNDATION PLAN & PIT WALL

Sc. 1:50



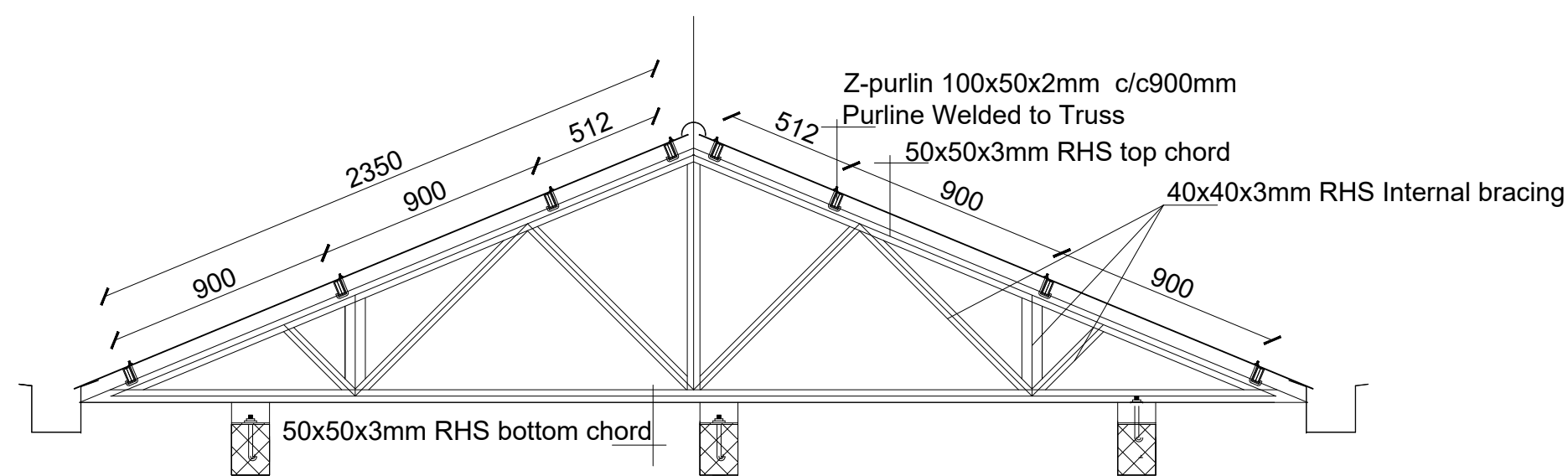
FACILITIES TOILET TRUSS LAYOUT - (MALE)

Sc. 1:50



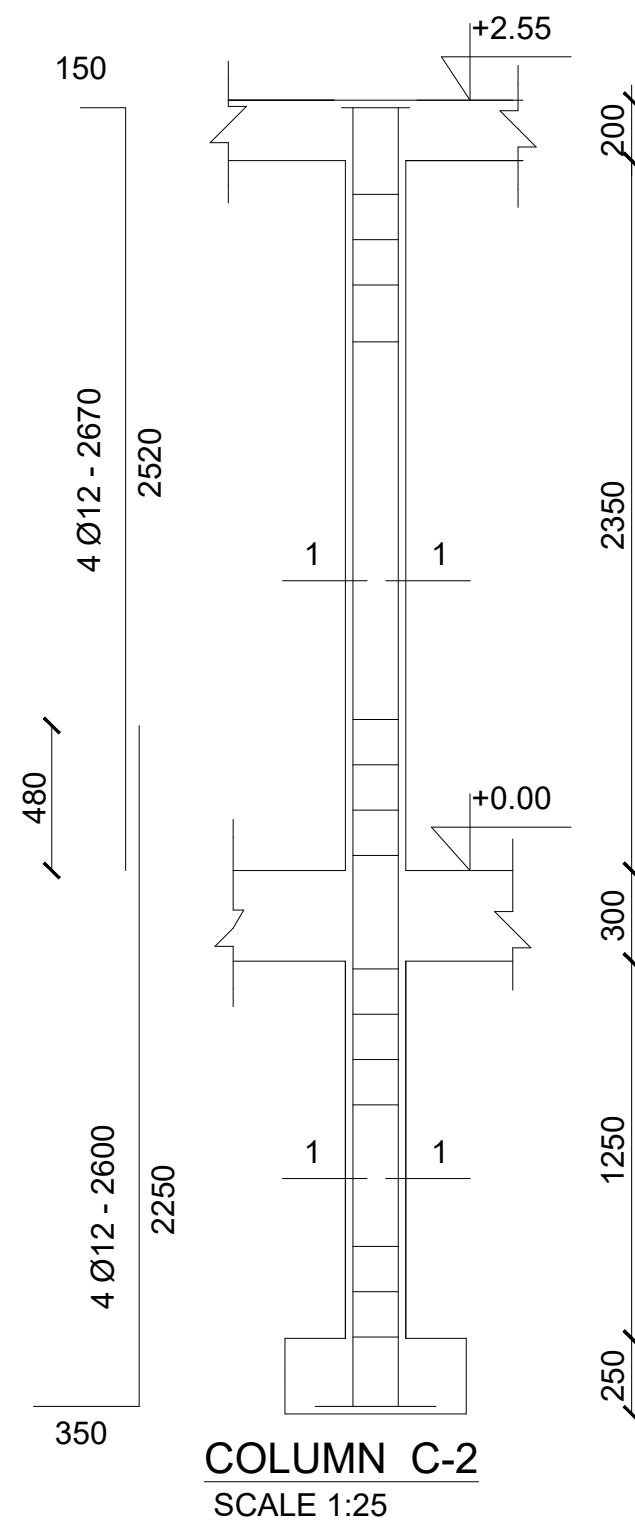
FACILITIES TOILET
GROUND FLOOR SLAB REINFORCEMENT , BEAM & COLUMN LAYOUT

Sc. 1:50

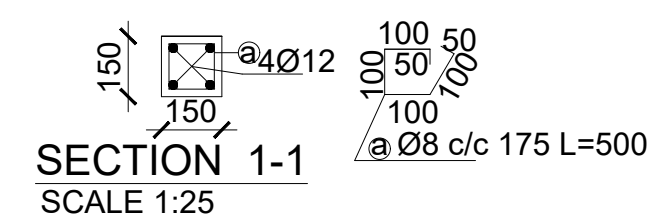


TRUSS T-1 DETAIL

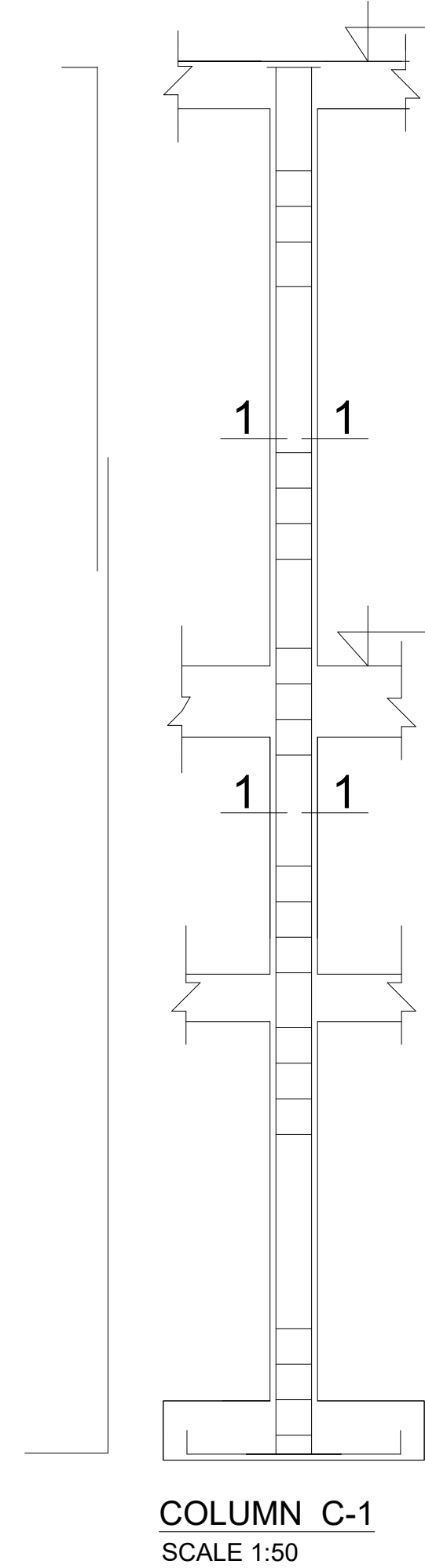
SC:1.25



COLUMN C-2
SCALE 1:25



SECTION 1-1
SCALE 1:25



COLUMN C-1
SCALE 1:50

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Rev:	Date	Description:	Approved
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Program



Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

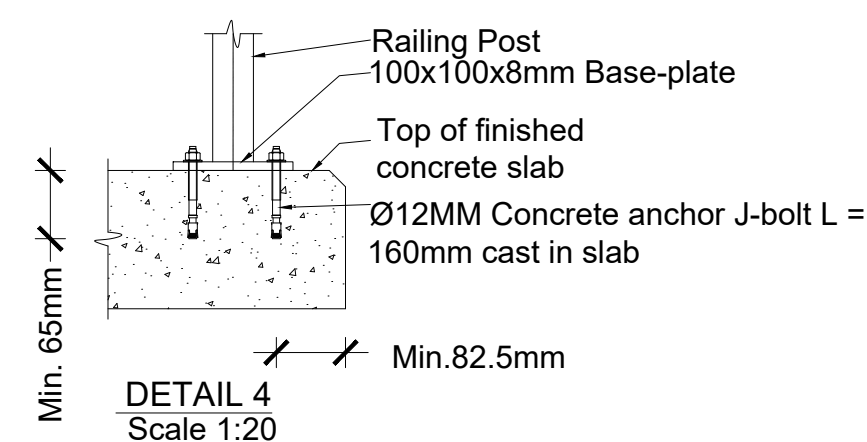
PROPOSED VIP LATRINES (FEMALE)

A BLOCK OF TWO STANCE (BLACK COTTON SOIL)

Drawing Title

STRUCTURAL DETAILS

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 4/5	Scale: AS SPECIFIED
Date: 17 January 2024	Rev: 0



100mm Grade C25 Ramp slab with BRC mesh A98
Min. 300mm thick well Compacted selected fill
- (95% Proctor)

Natural soil

10mm thick joint filler /SIKA or fiber board/

+0.00 FLOOR LEVEL

N.G.L.

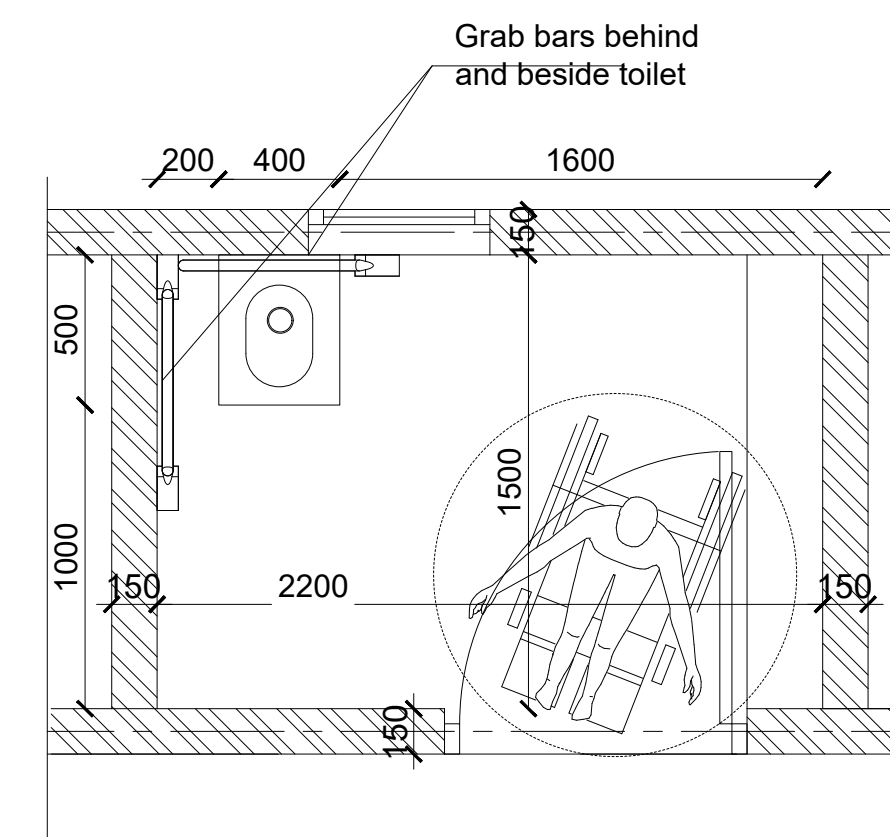
RAMP
max. slope 1:10

280

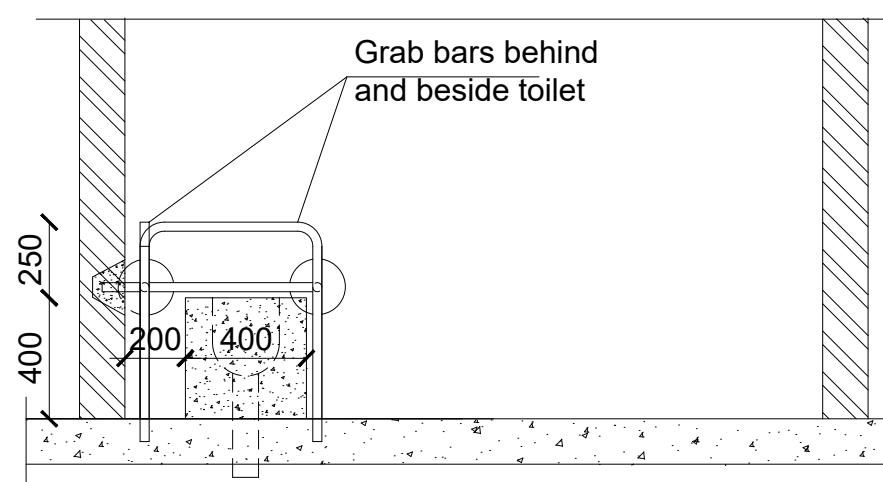
Vari.

100 200

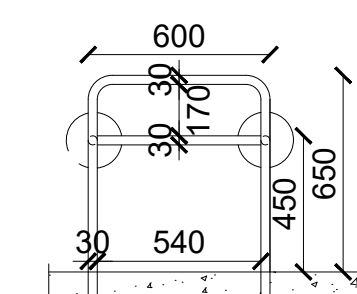
RAMP DETAIL
SCALE 1:25



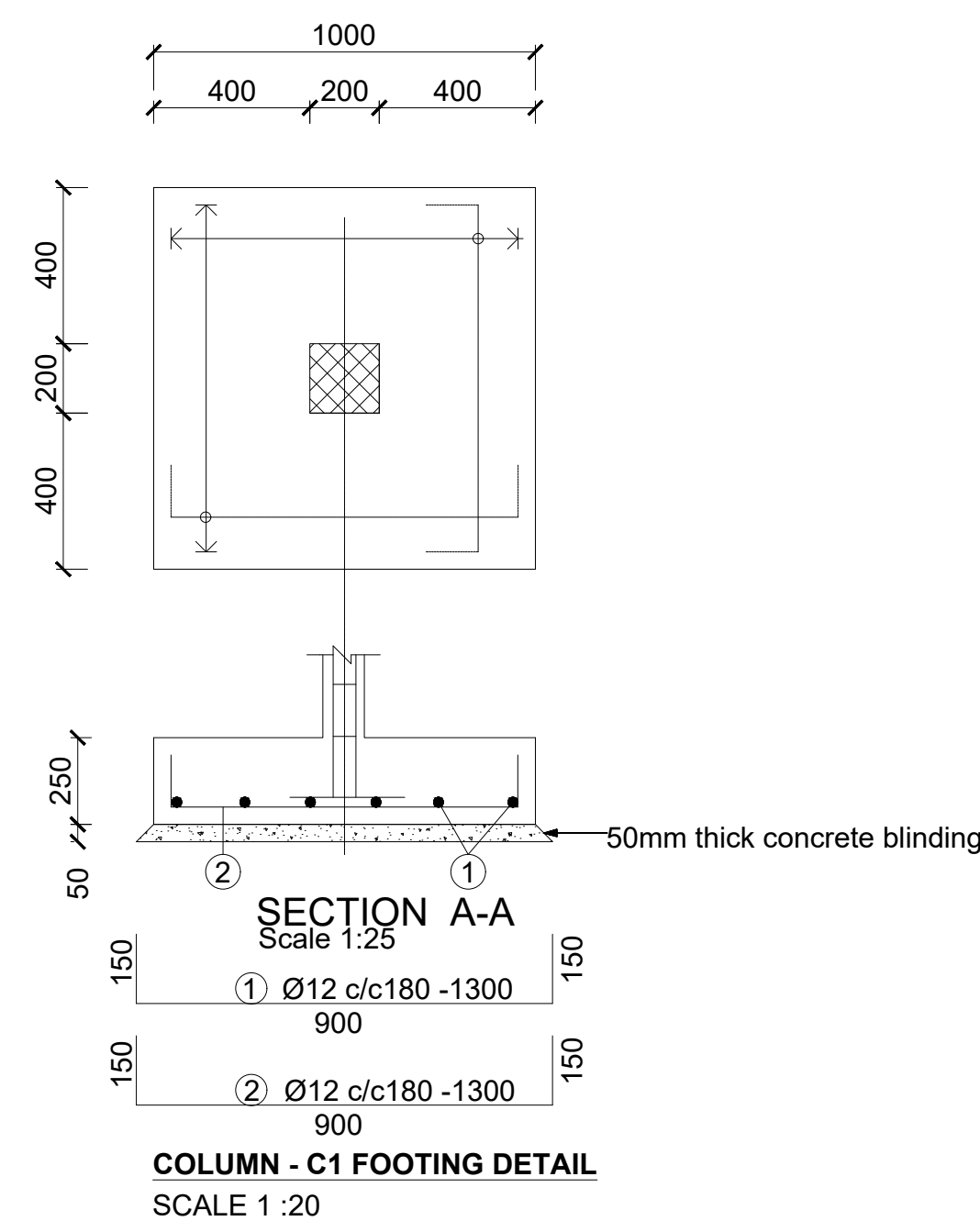
ACCESSIBLE TOILET PLAN



FRONT VIEW



GRAB BAR DETAILS



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Rev:	Date	Description:	Approved
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Program



Client:	
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GOVERNMENT OF SOUTH SUDAN

Implemented By:	
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Project:

PROPOSED VIP LATRINES (FEMALE)

A BLOCK OF TWO STANCE (BLACK COTTON SOIL)

Drawing Title

STRUCTURAL DETAILS

Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 5/5	Scale: AS SPECIFIED
Date: 17 January 2024	Rev: 0