

SANITATION FACILITIES- THREE STANCE VIP LATRINES (MALE)


GENERAL NOTES:



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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)
BLOCK OF THREE STANCE (NORMAL SOIL)
Drawing Title

COVER PAGE

Designed By: H.A

Drawn by: H.A

Checked: F.E & G.O

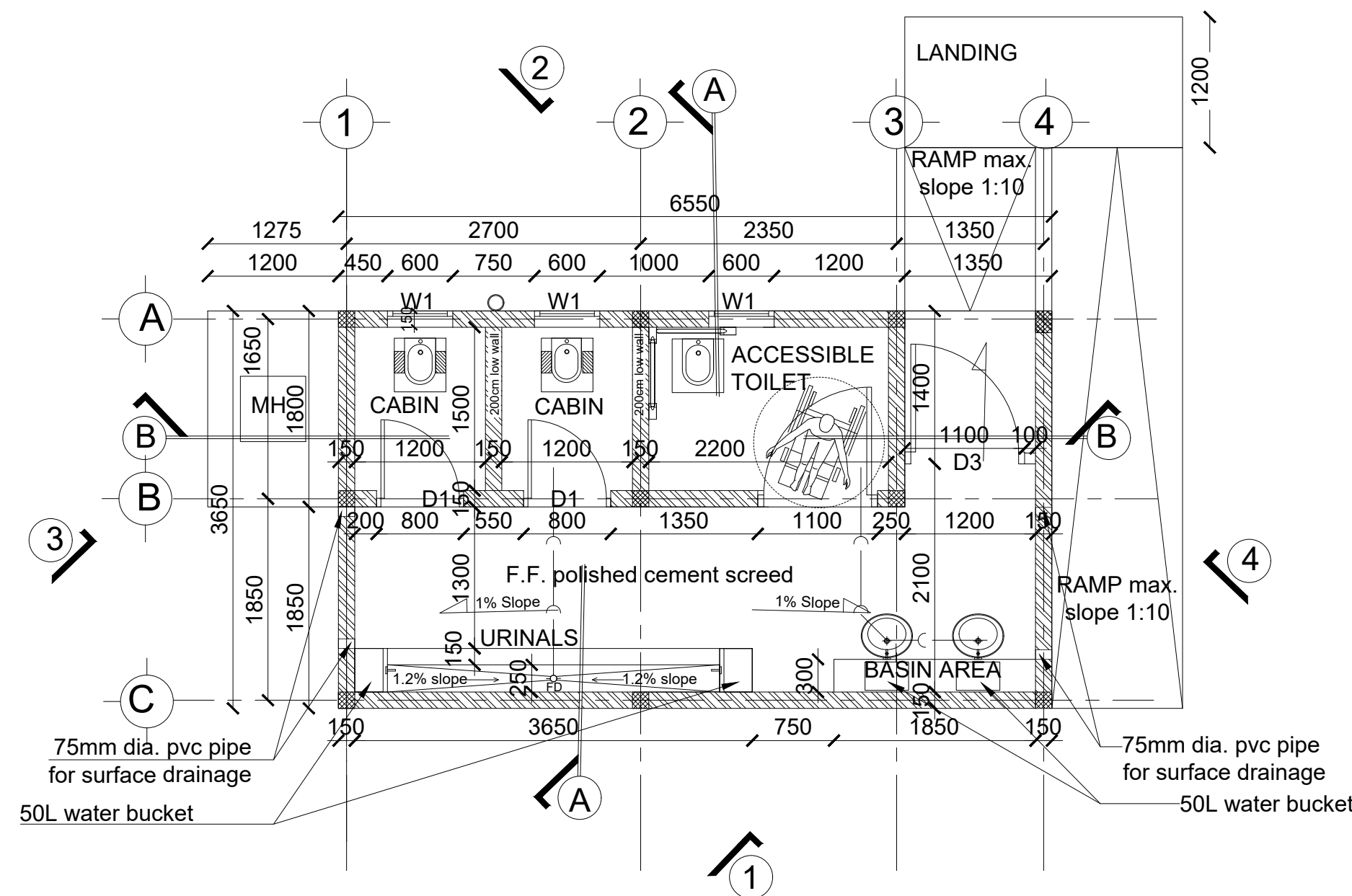
Approved: ----

Sheet #: 1/6

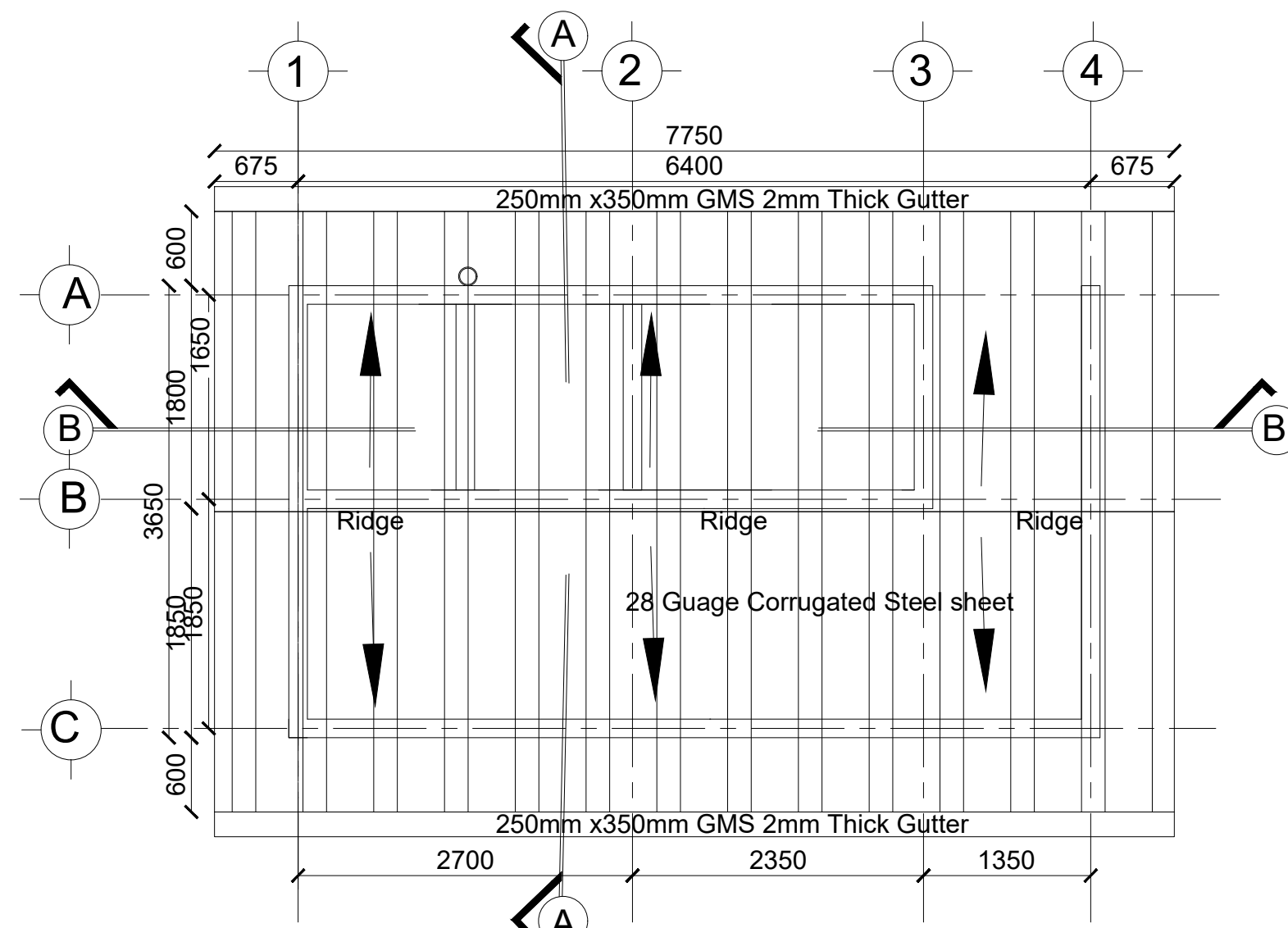
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Date: 17 January 2024

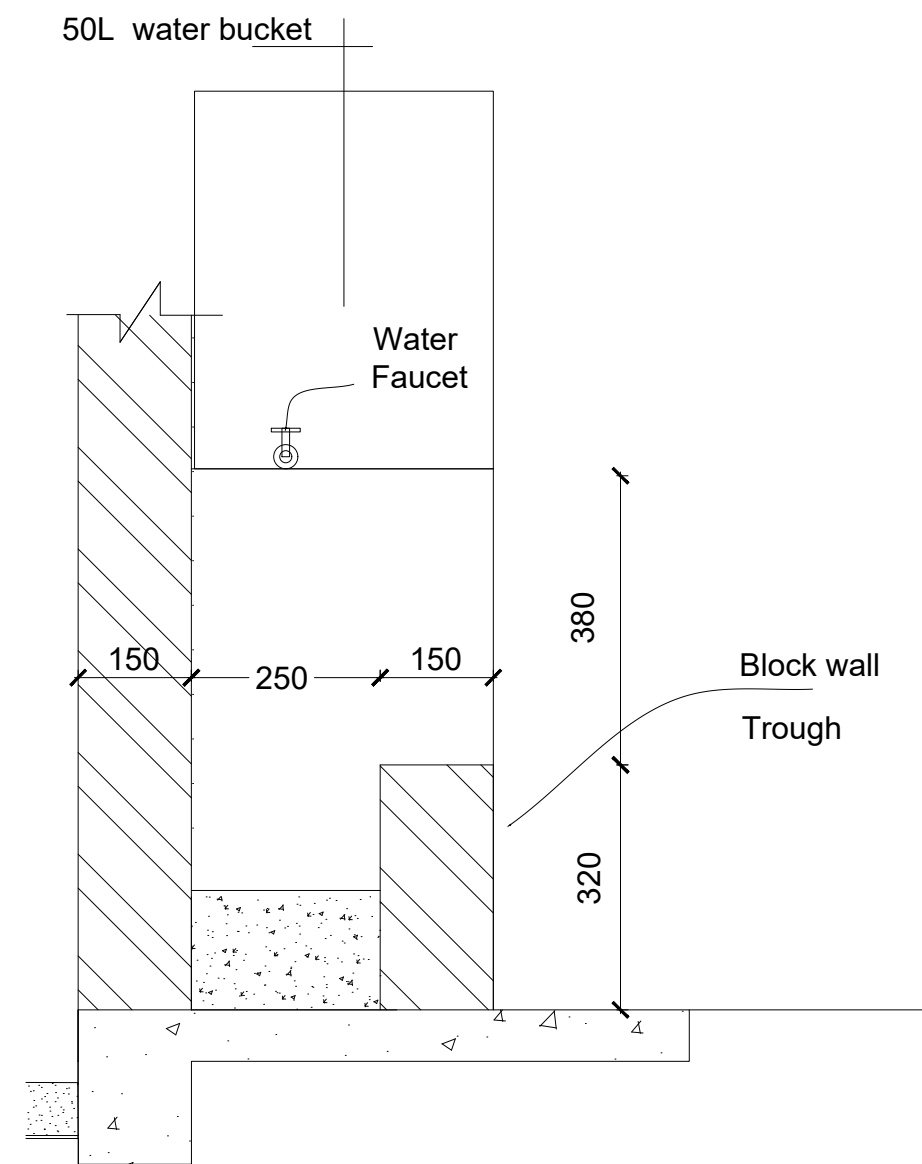
Rev: 0



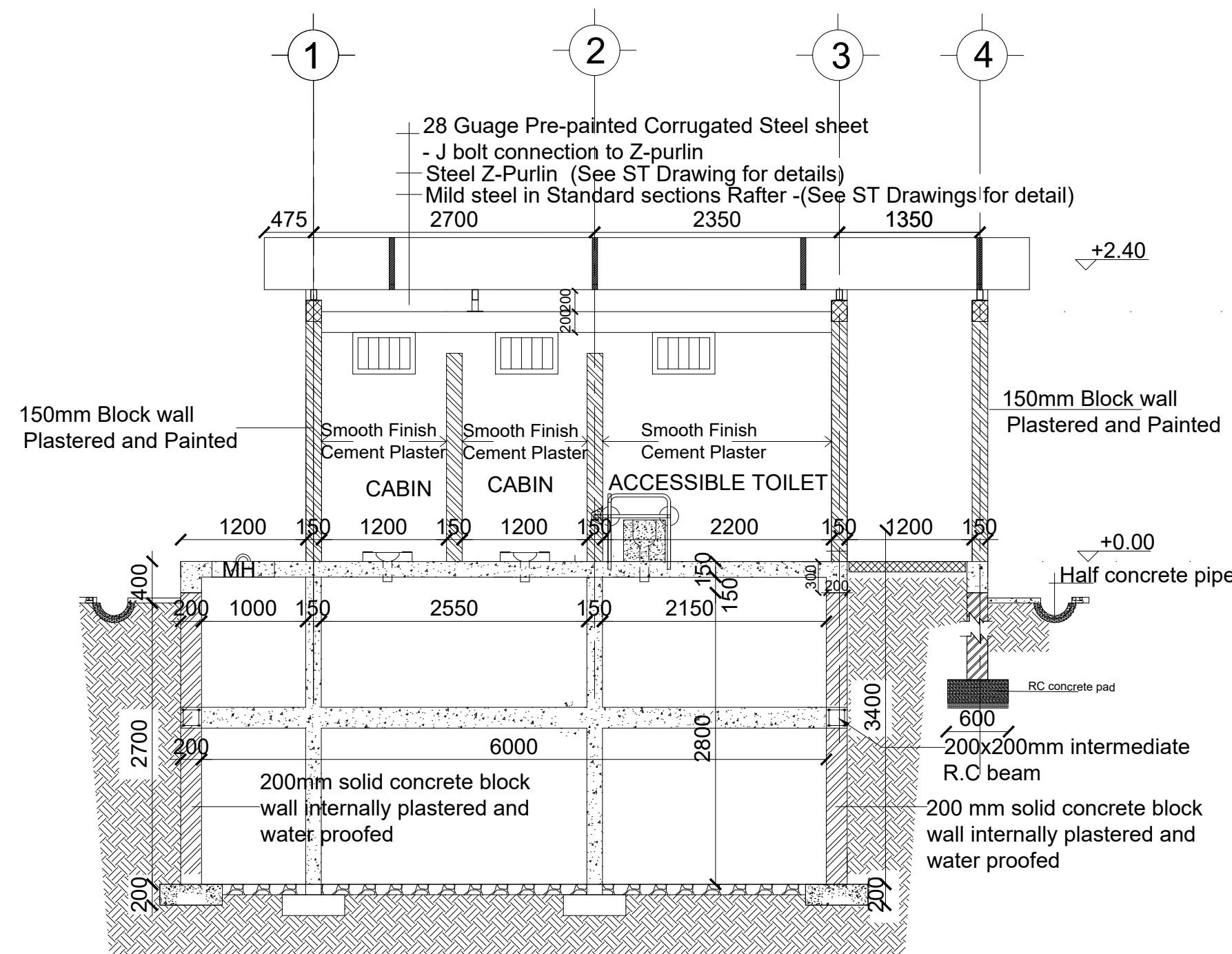
FACILITIES TOILET FLOOR PLAN - (MALE)
Sc. 1:50



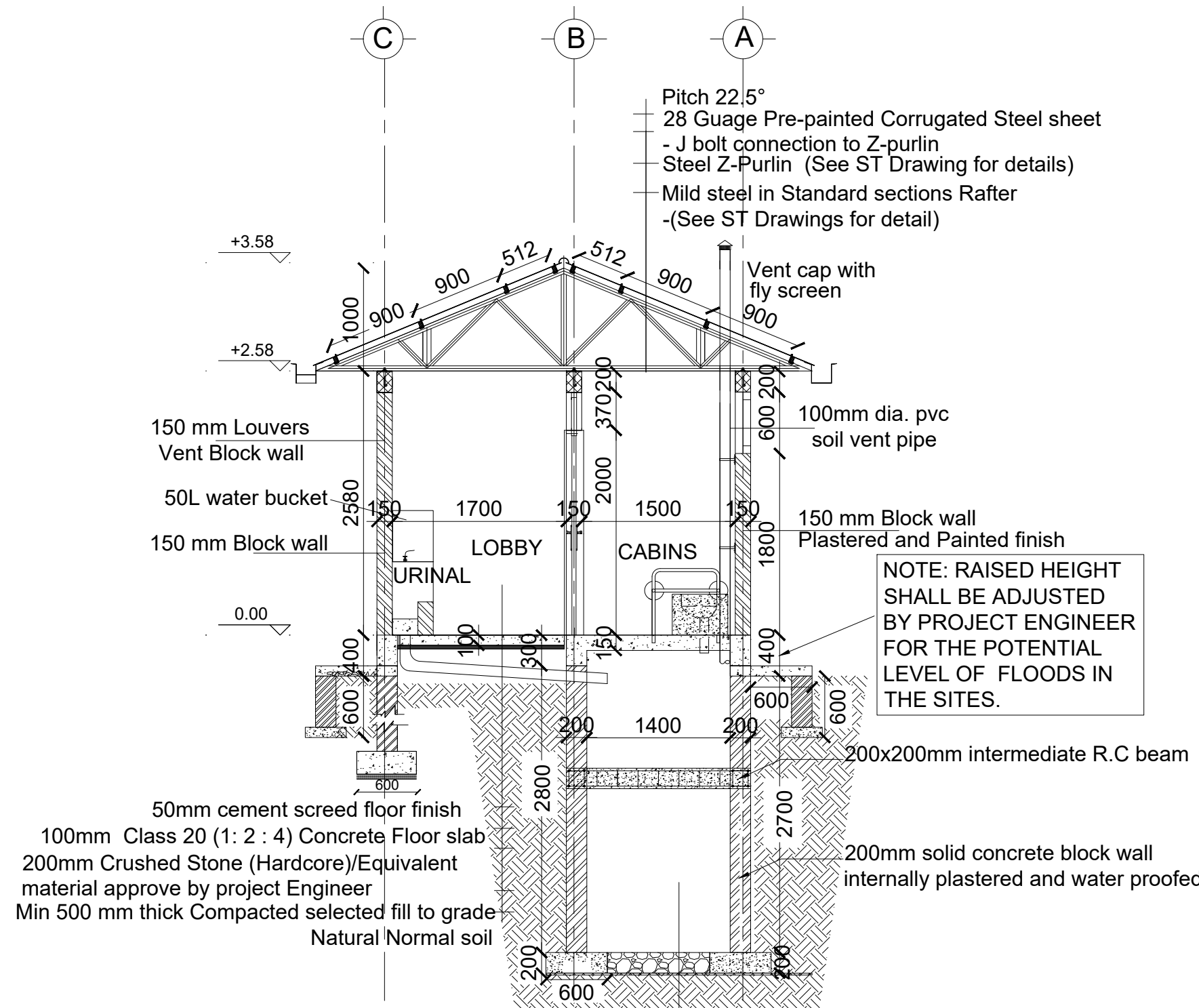
FACILITIES TOILET ROOF PLAN - (MALE)
Sc. 1:50



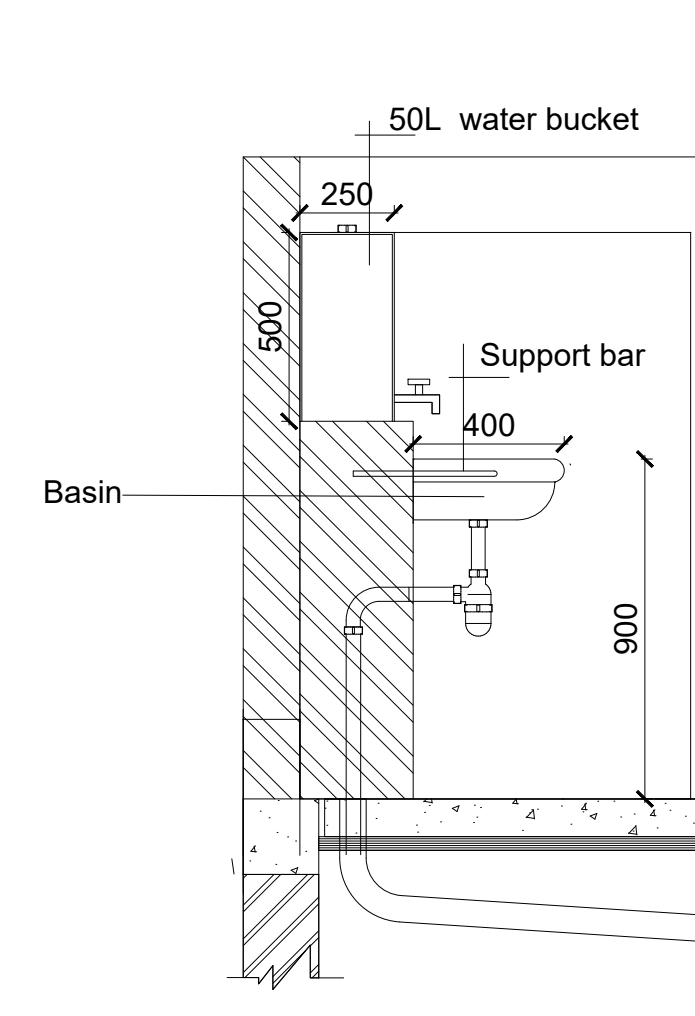
URINAL TROUGH DETAIL
Sc. 1:10



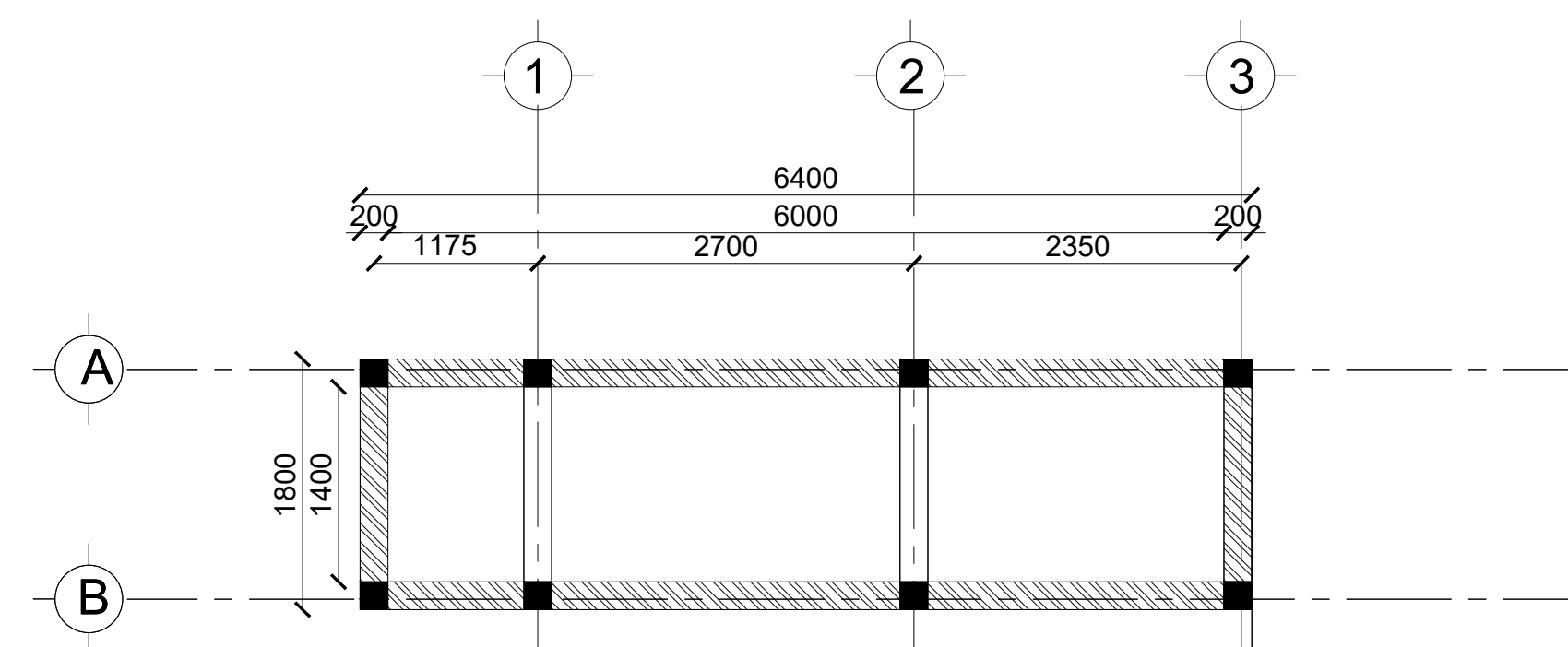
SECTION B-B
Sc. 1:50



SECTION A-A
Sc. 1:50

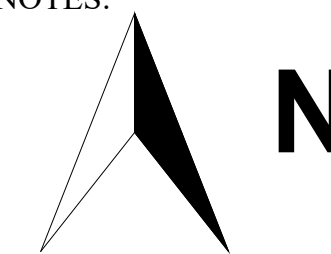


HAND WASH BASIN DETAIL
SCALE -1:25



FACILITIES TOILET PIT PLAN - (MALE)
Sc. 1:50

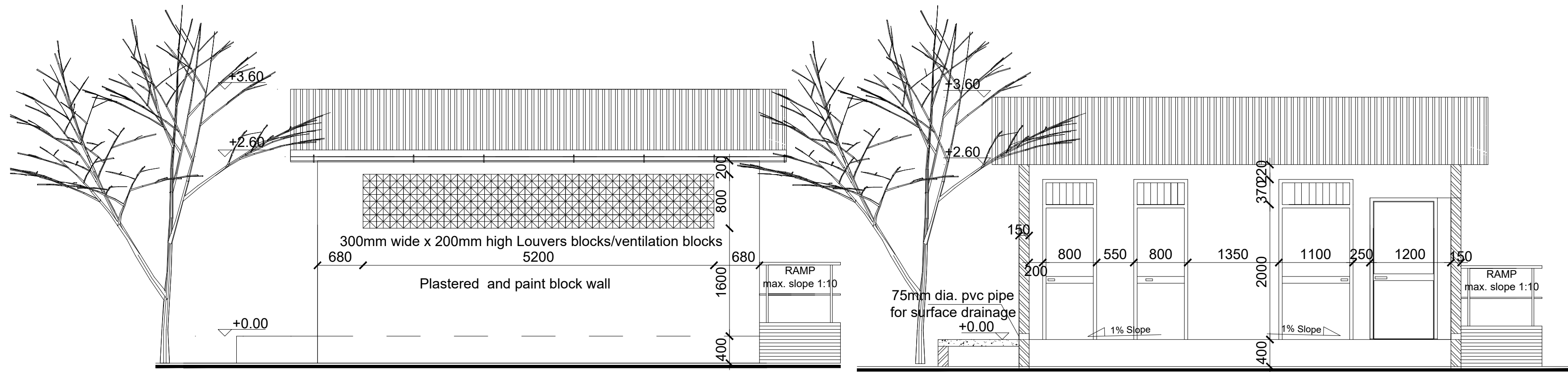
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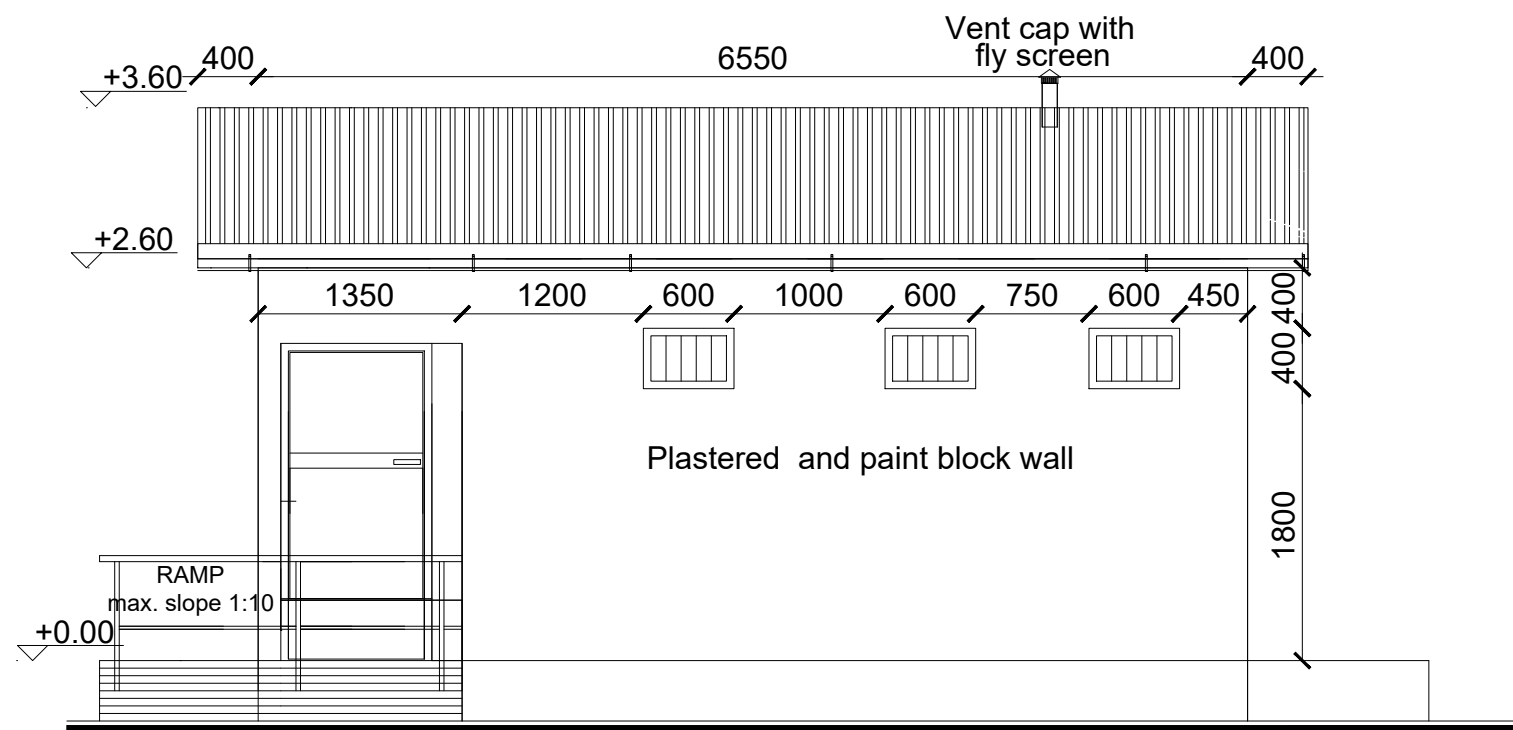
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Program	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
Project:	
PROPOSED VIP LATRINES (MALE)	
A BLOCK OF THREE STANCE (NORMAL SOIL)	
Drawing Title	
FLOOR PLAN, ROOF PLAN, SECTIONS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 2/6	Scale: AS SPECIFIED
Date: 17 January 2024	Rev: 0

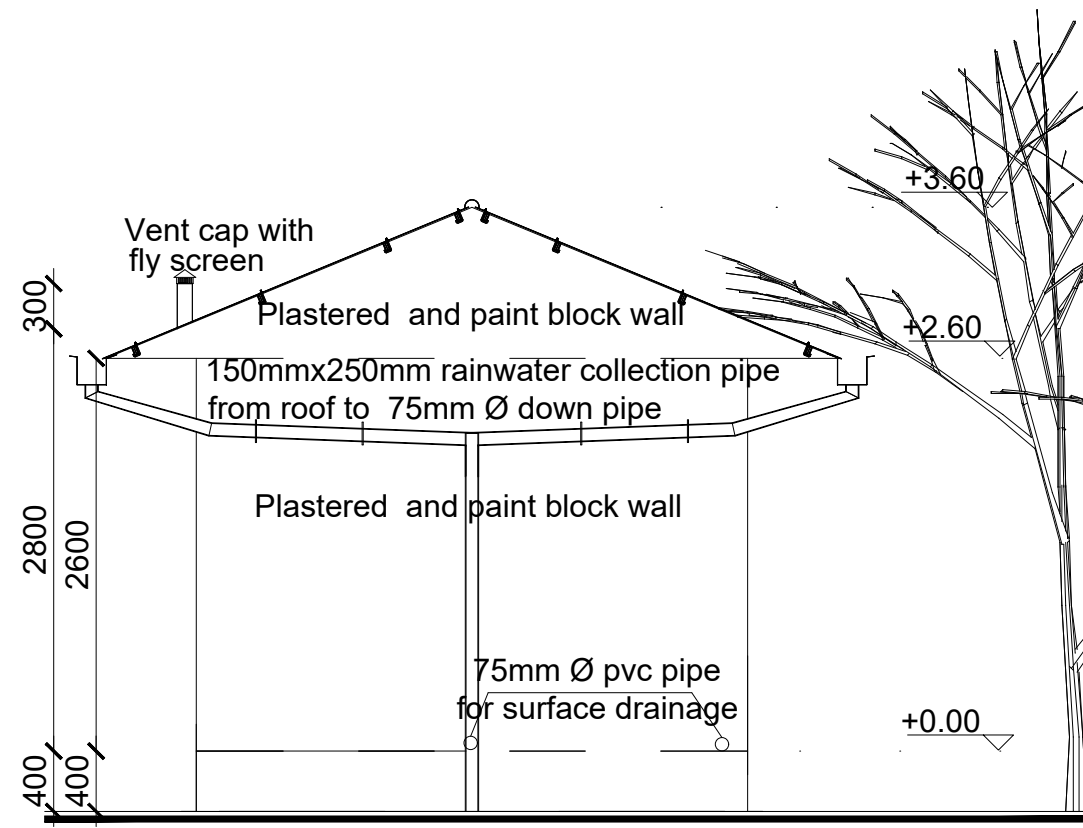


FRONT SIDE ELEVATION 1

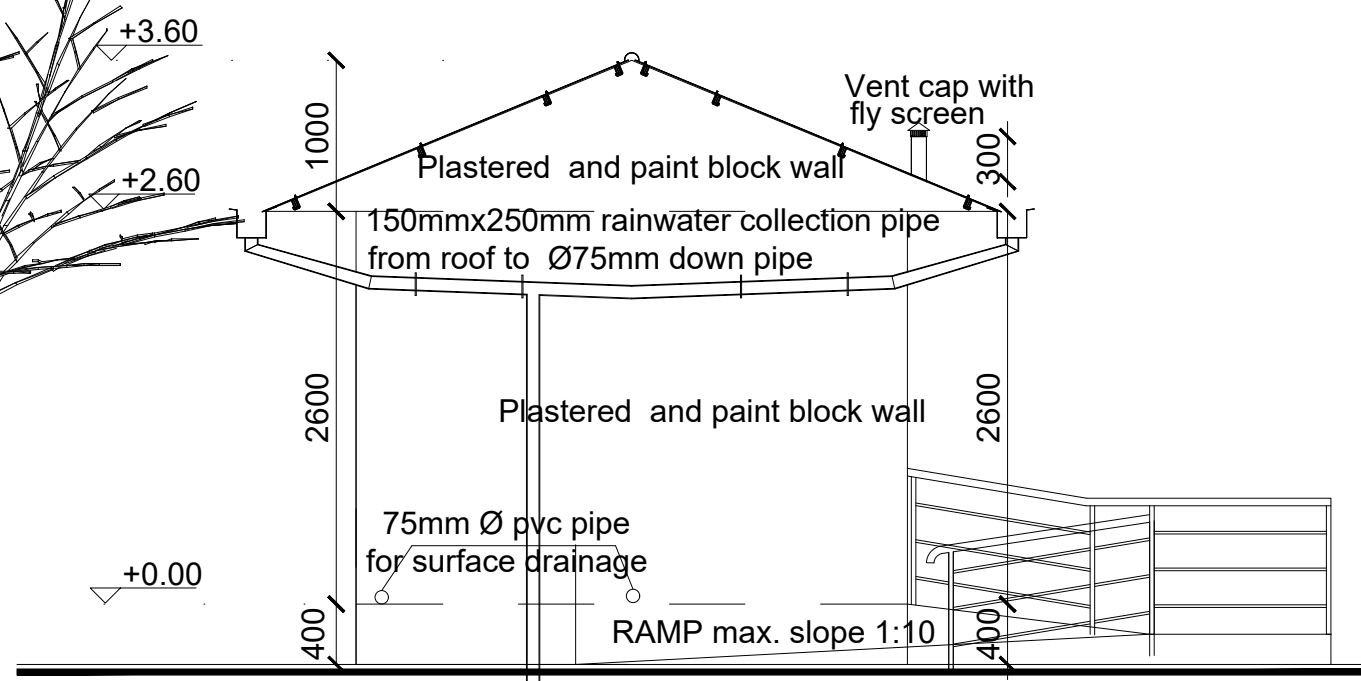
FRONT SIDE ELEVATION 1A (without front wall)



REAR ELEVATION 2



SIDE ELEVATION 3



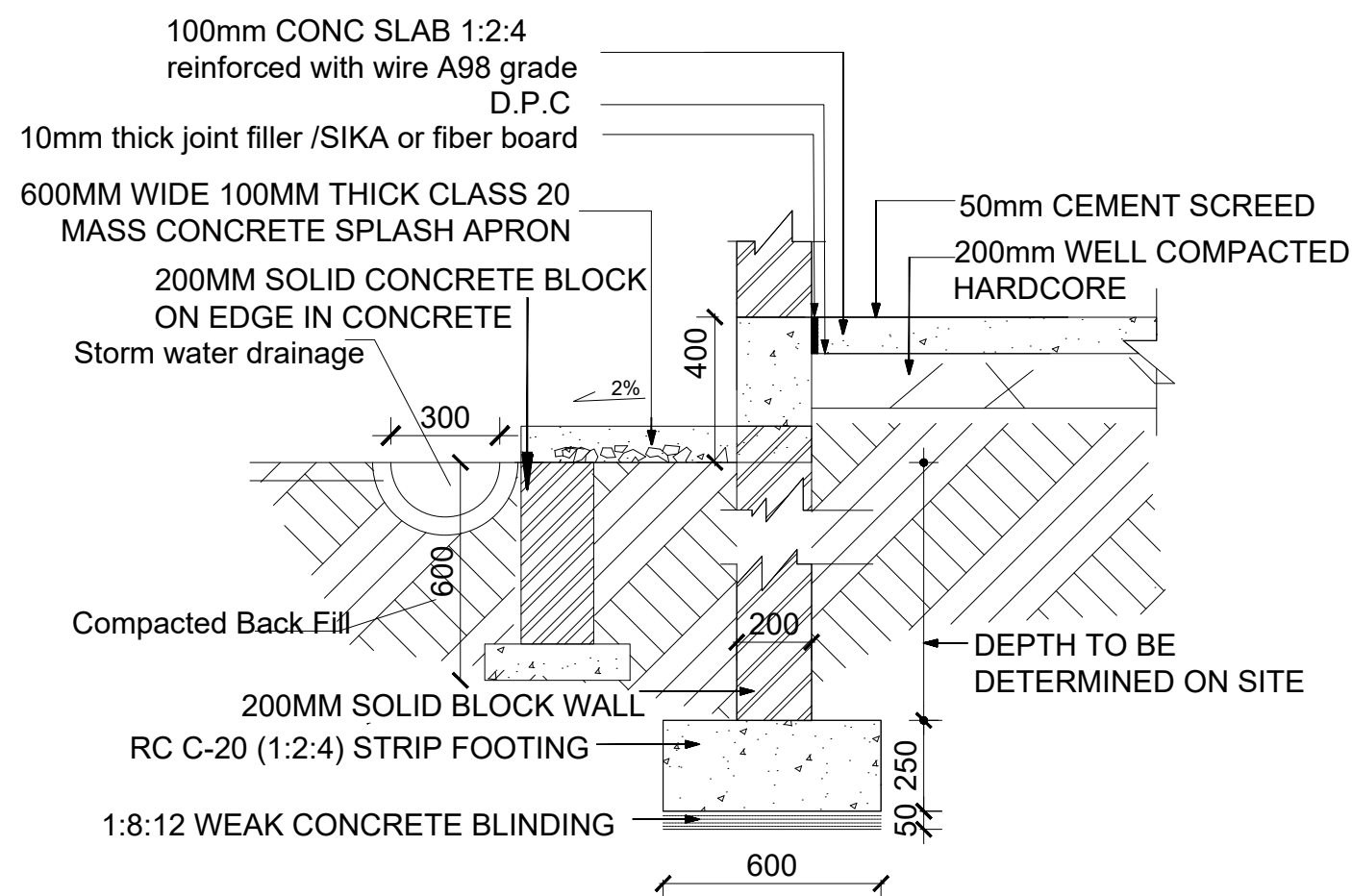
SIDE ELEVATION 4

DOOR SCHEDULE

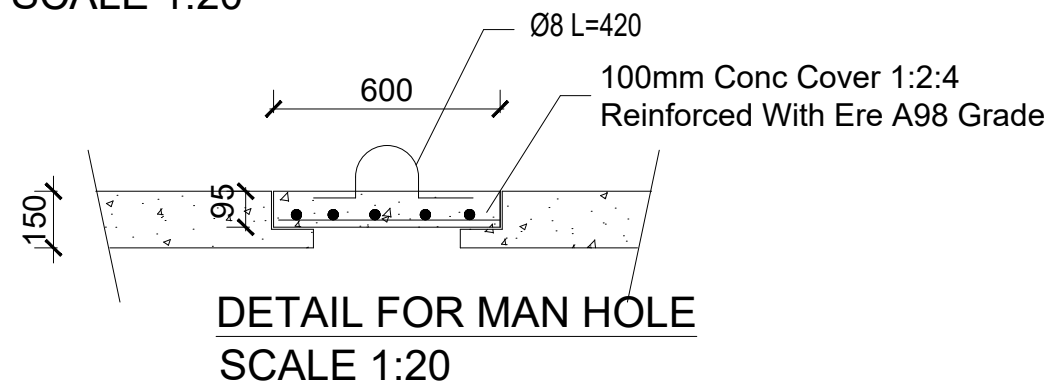
Door Name	D1	D2	D3
Quantity	2	1	1
Frame material	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted with 2 coats of antirust paint & one coat of enamel paint	Painted 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

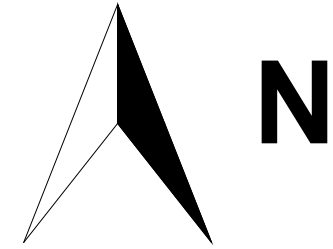


FOUNDATION DETAIL
SCALE 1:20



DETAIL FOR MAN HOLE
SCALE 1:20

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Program	
Client:	
GOVERNMENT OF SOUTH SUDAN	
Implemented By:	
Project:	
PROPOSED VIP LATRINES (MALE)	
A BLOCK OF THREE STANCE (NORMAL SOIL)	
Drawing Title	
ELEVATIONS AND DETAILS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 3/6	Scale: AS SPECIFIED
Date: 17 January 2024	Rev: 0

STRUCTURAL NOTES:

- I) Building shall be founded on load bearing stone 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 masonry foundation shall be placed on the natural normal 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 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 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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Program




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

Client:

GOVERNMENT OF SOUTH SUDAN

Implemented By:

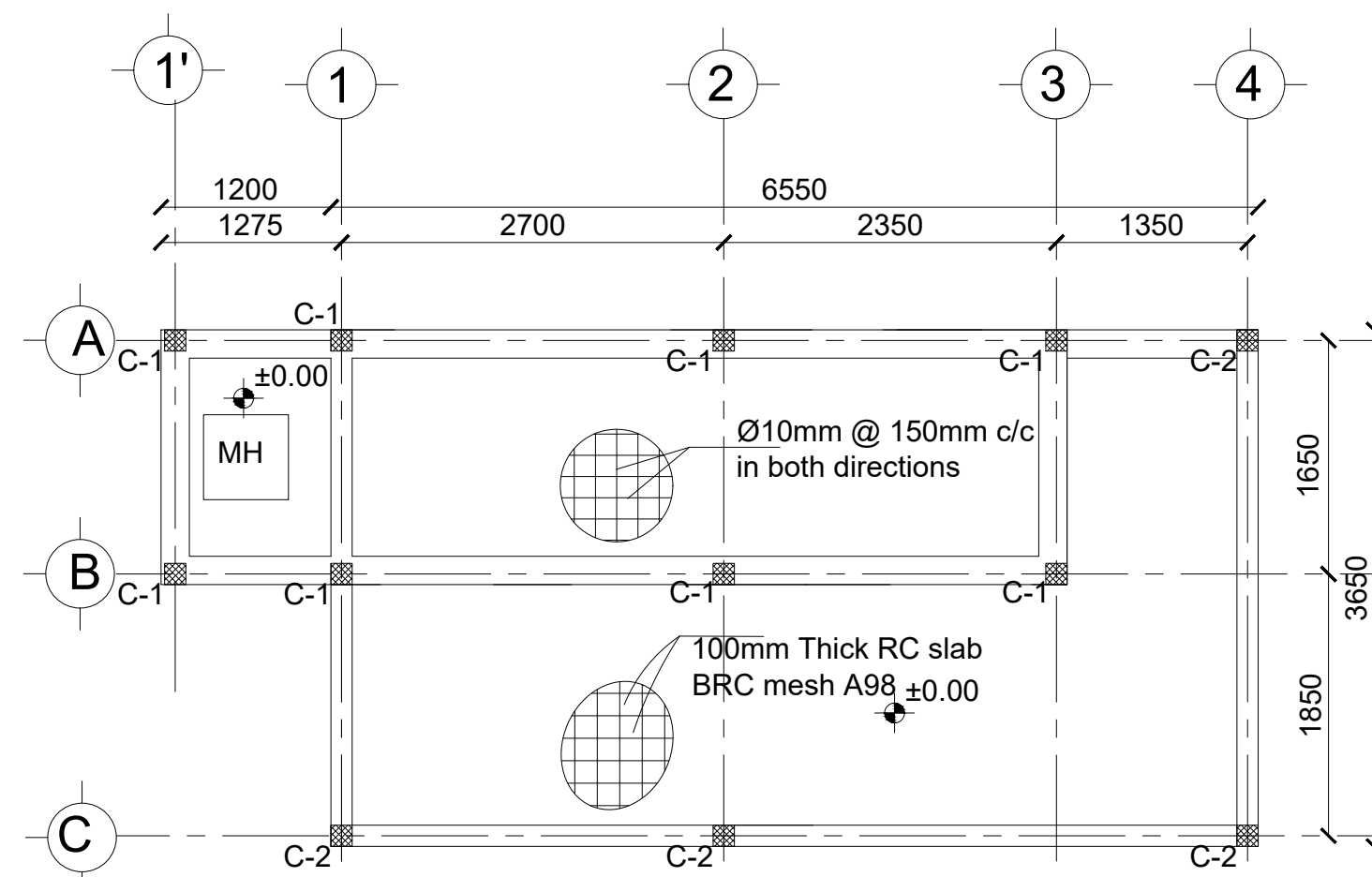
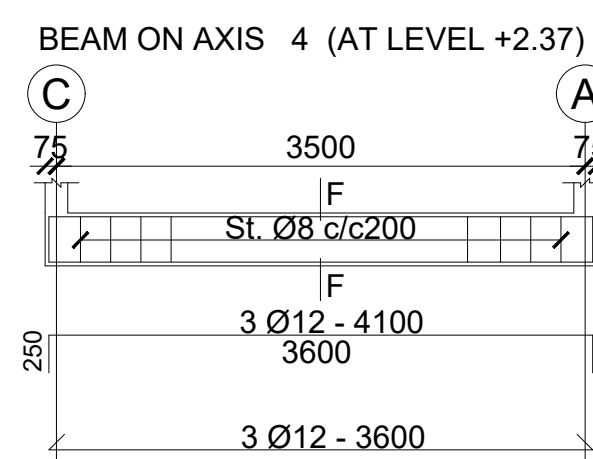
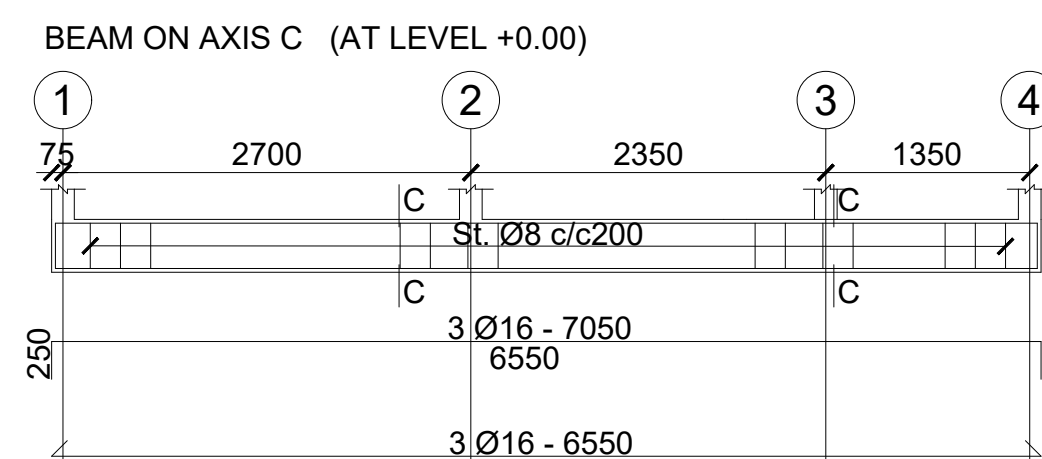
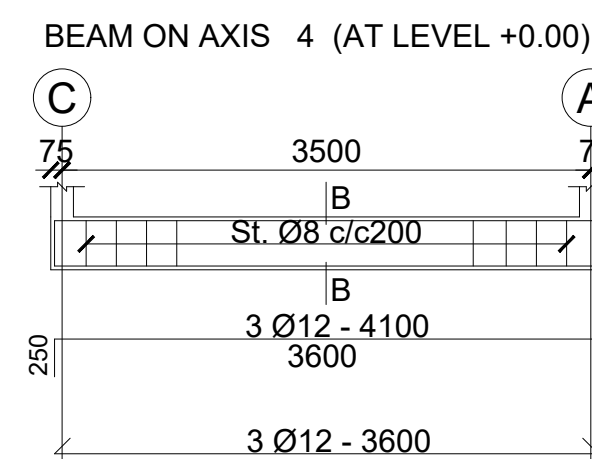
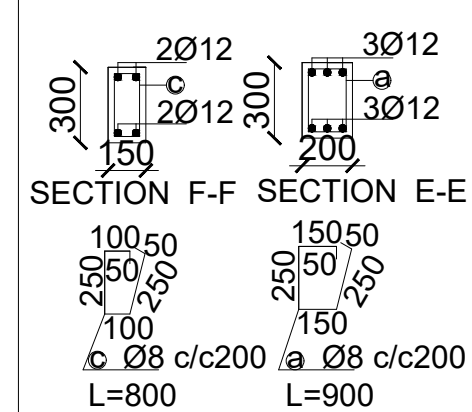


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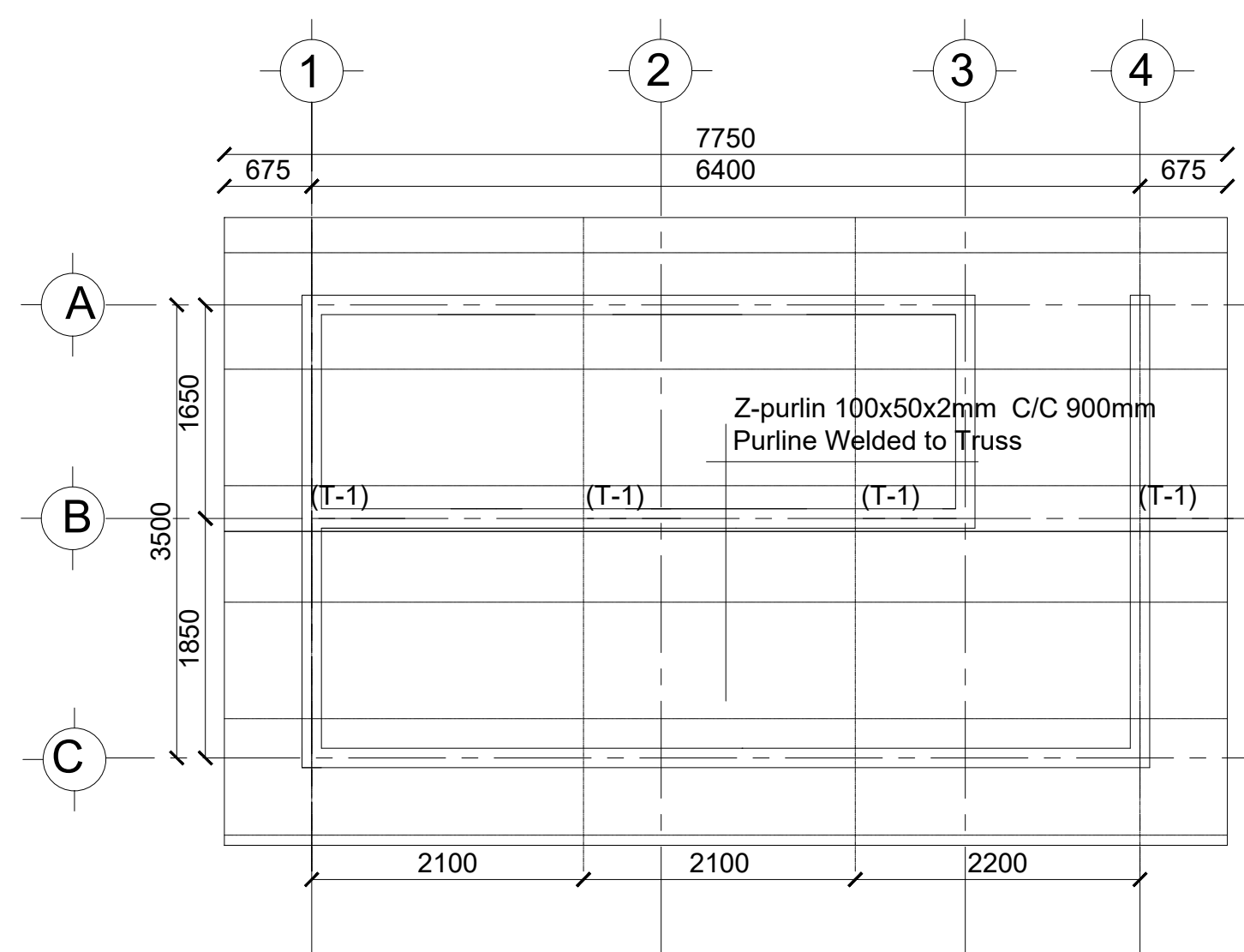
PROPOSED VIP LATRINES (MALE)
A BLOCK OF THREE STANCE (NORMAL SOIL)
Drawing Title

STRUCTURAL NOTES

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Sheet #: 4/6	Scale: AS SPECIFIED
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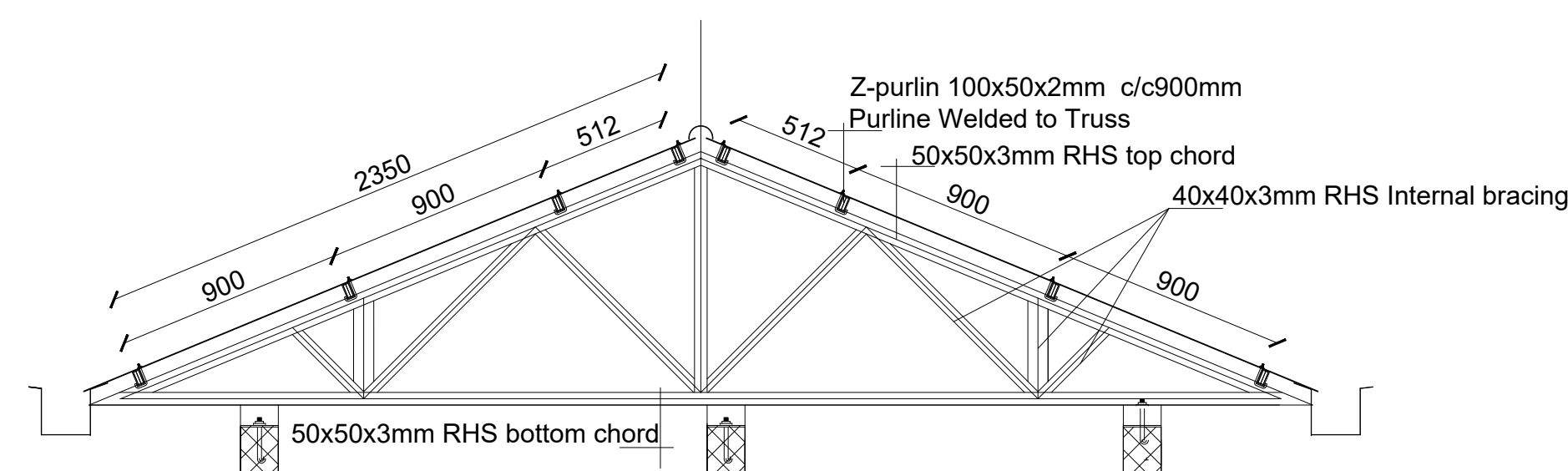


Sc. 1:50

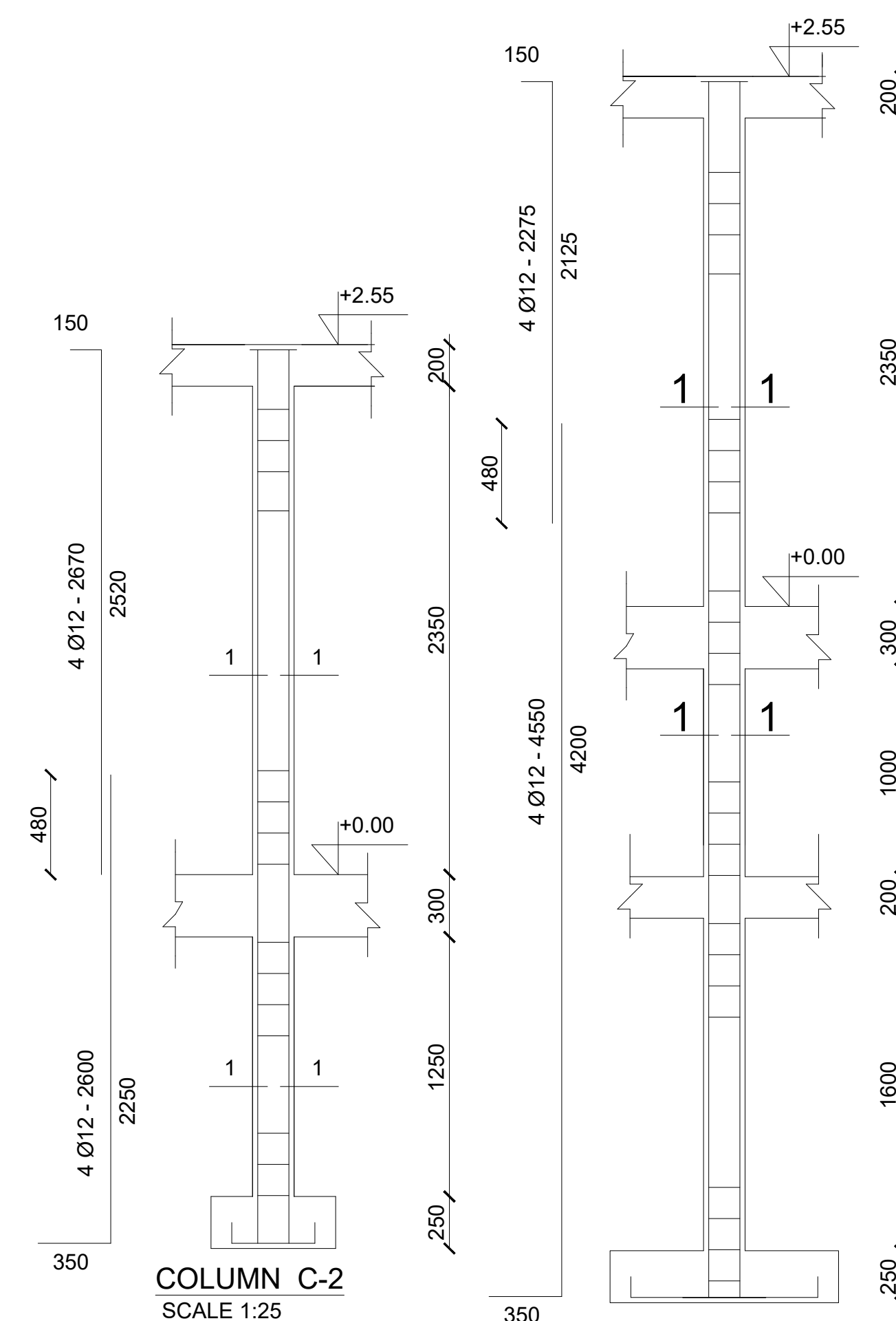


FACILITIES TOILET TRUSS LAYOUT - (MALE)
Sc. 1:50


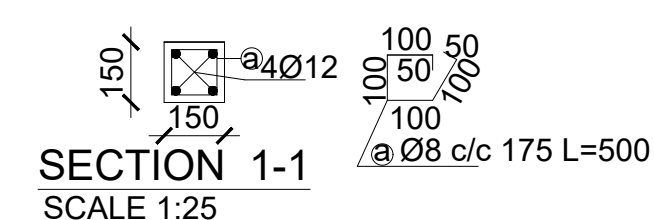
Sc. 1:50



TRUSS T-1 DETAIL
SC:1.25



COLUMN C-1
SCALE 1:50



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Program



Client:	
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GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

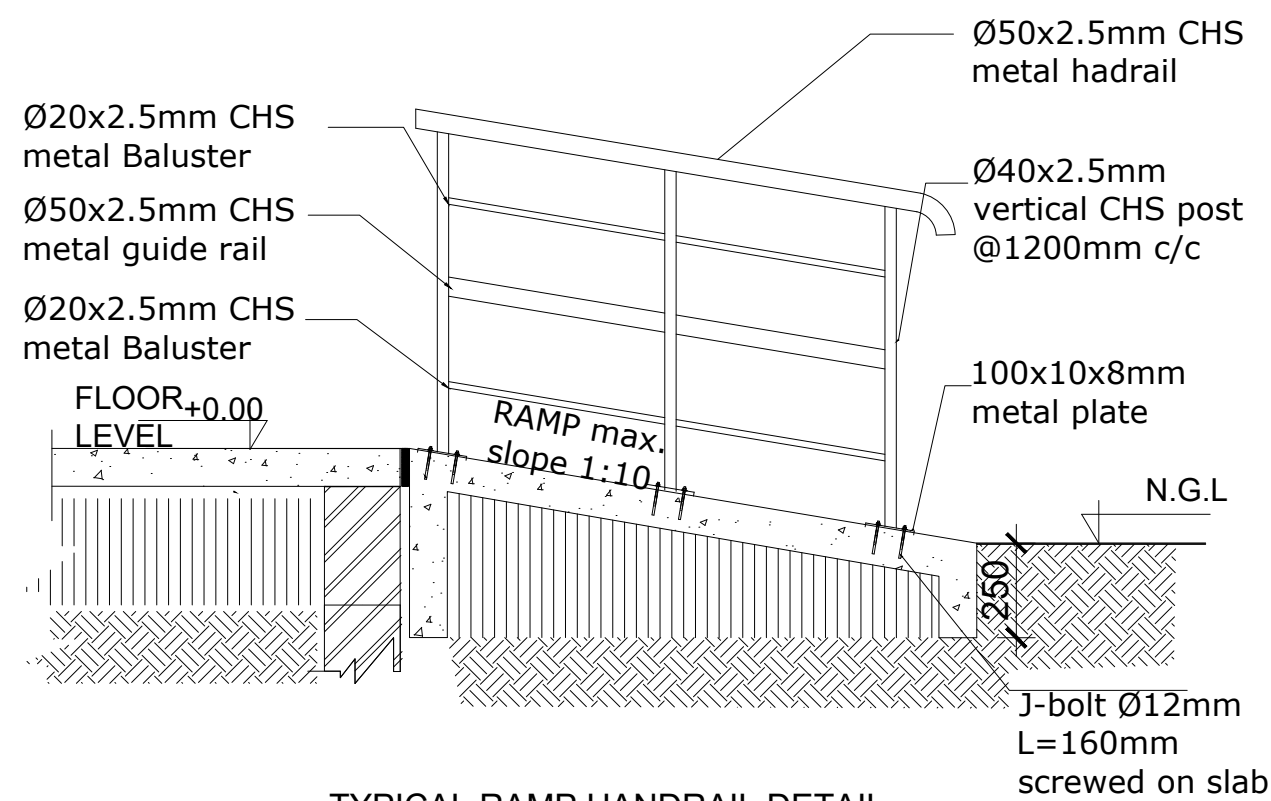
PROPOSED VIP LATRINES (MALE)

A BLOCK OF THREE STANCE (NORMAL SOIL)

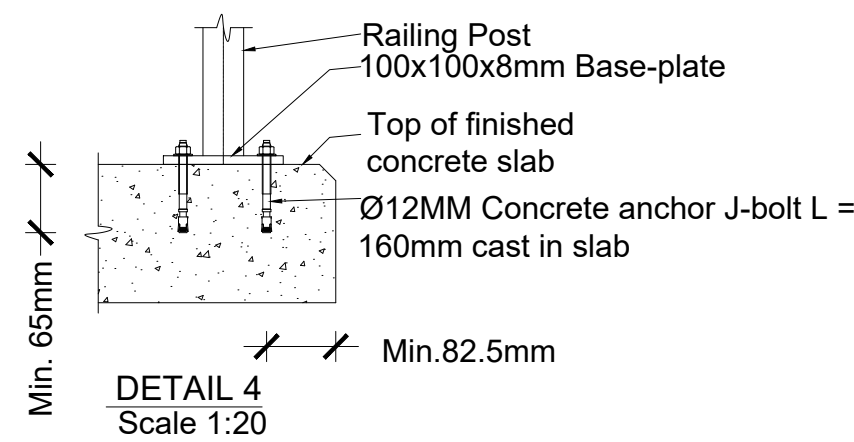
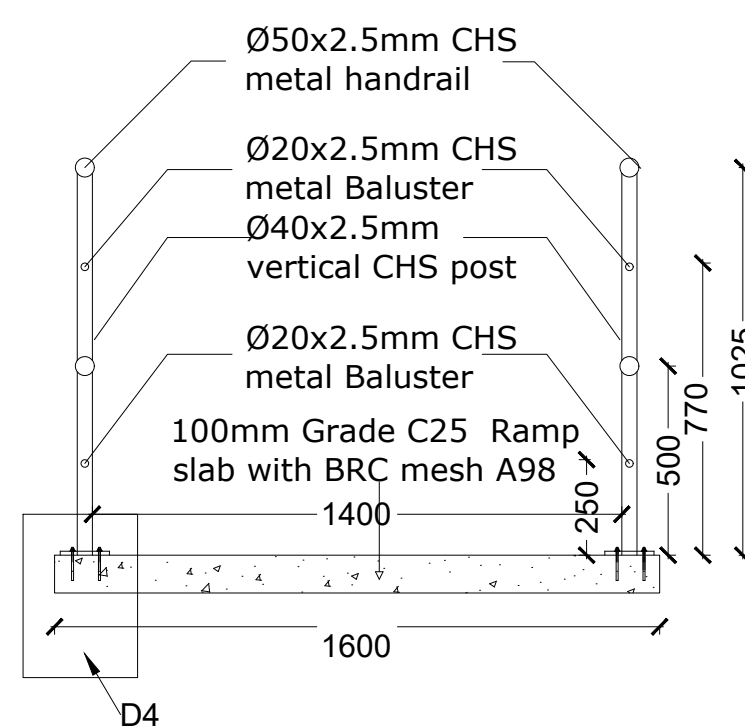
Drawing Title

STRUCTURAL DETAILS

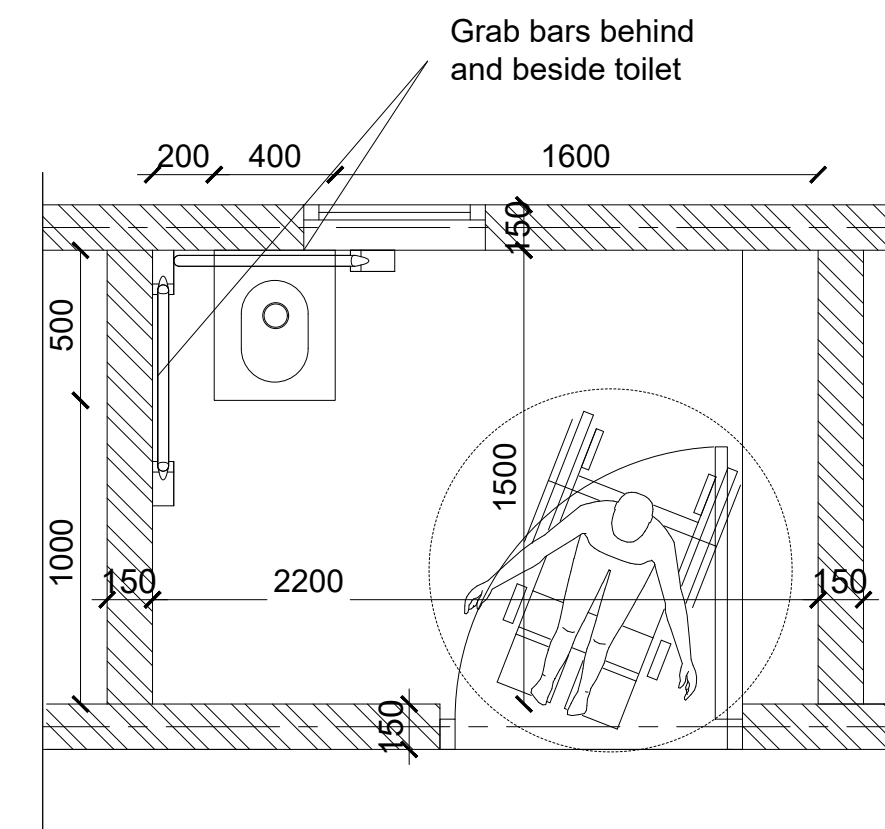
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Date: 17 January 2024	Rev: 0



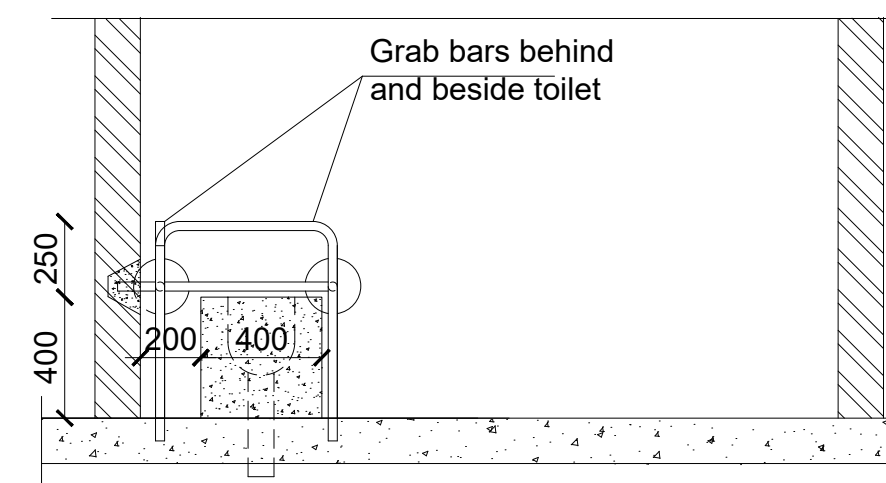
TYPICAL RAMP HANDRAIL DETAIL
Scale 1:20



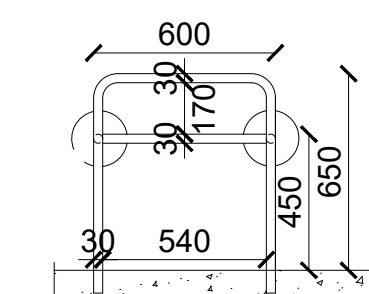
DETAIL 4
Scale 1:20



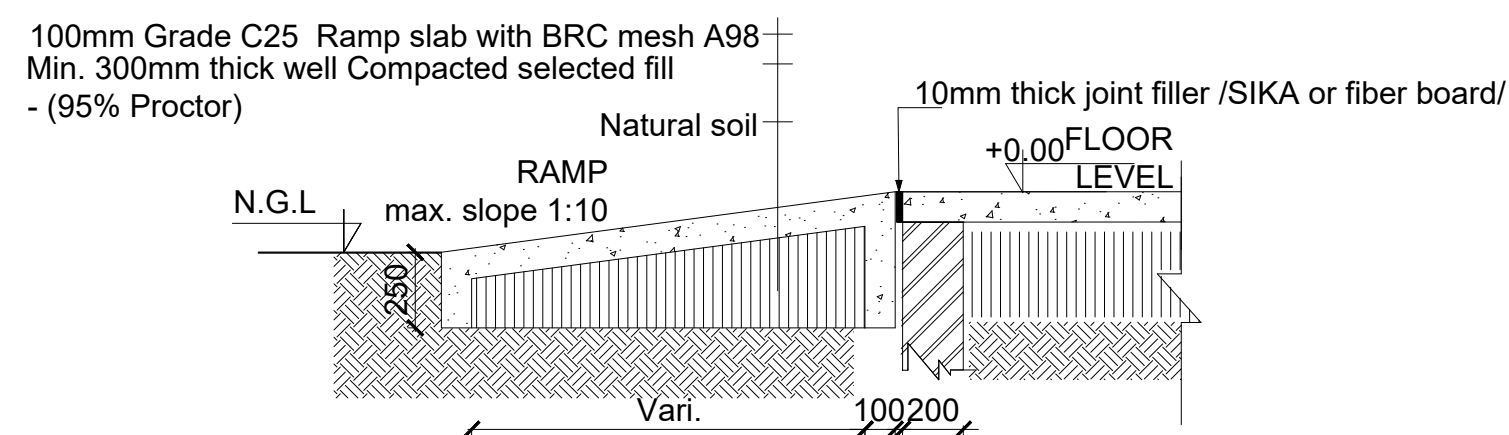
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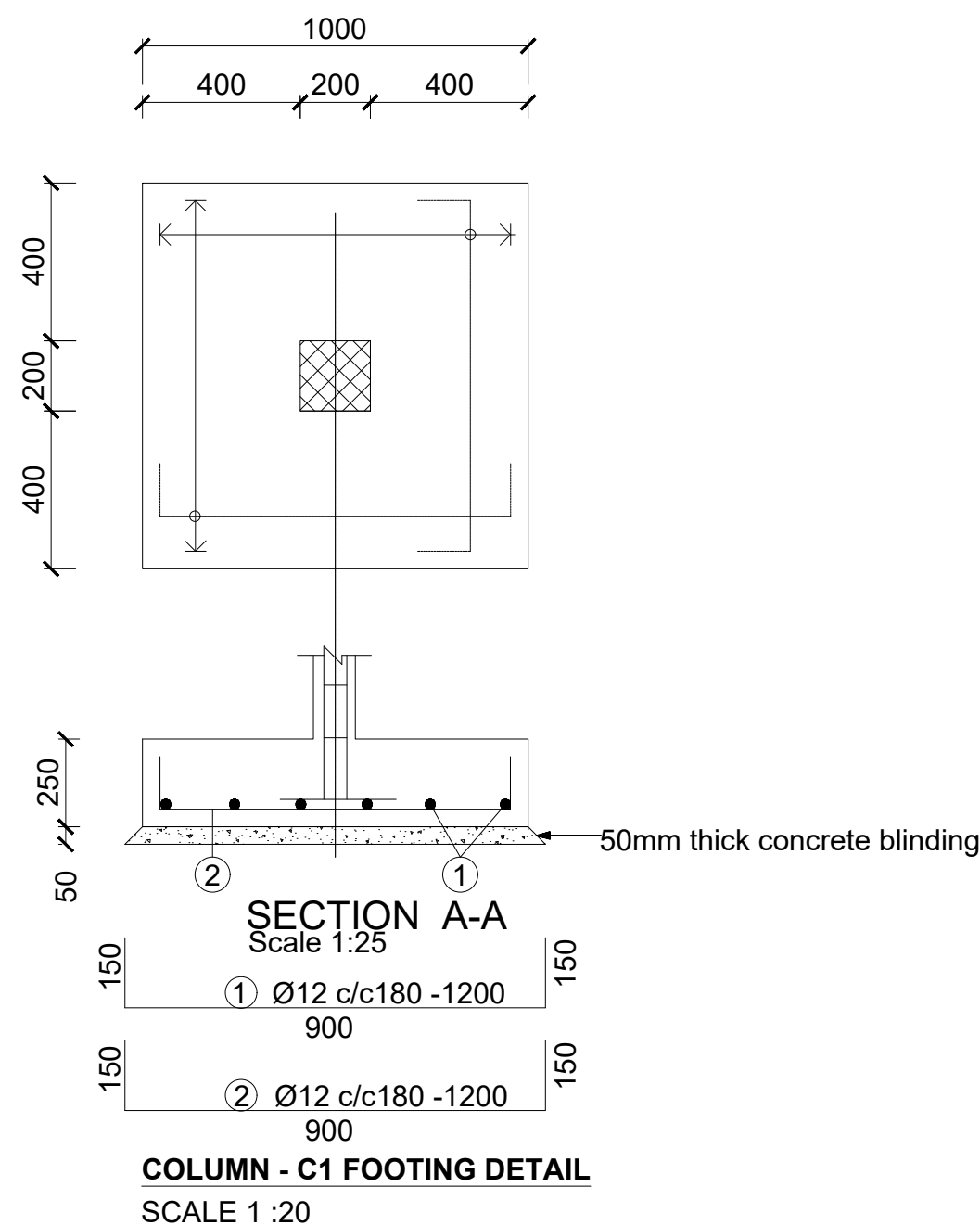
FRONT VIEW



GRAB BAR DETAILS

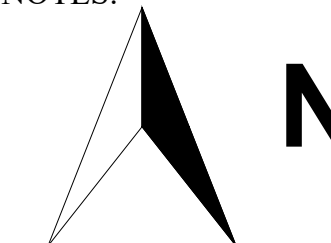


RAMP DETAIL
SCALE 1:25





COLUMN - C1 FOOTING DETAIL
SCALE 1:20

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<p>Program</p>  <p>Enhancing Community Resilience and Local Governance Project Phase II (ECRP II)</p>	
<p>Client:</p> <p>GOVERNMENT OF SOUTH SUDAN</p>	
<p>Implemented By:</p> 	
<p>Project:</p> <p>PROPOSED VIP LATRINES (MALE)</p> <p>A BLOCK OF THREE STANCE (NORMAL SOIL)</p> <p>Drawing Title</p>	
<p>STRUCTURAL DETAILS</p>	
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

SANATATION FACILITIES- THREE 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)
BLOCK OF THREE STANCE AND WASHROOM (NORMAL SOIL)
Drawing Title

COVER PAGE

Designed By: H.A

Drawn by: H.A

Checked: F.E & G.O

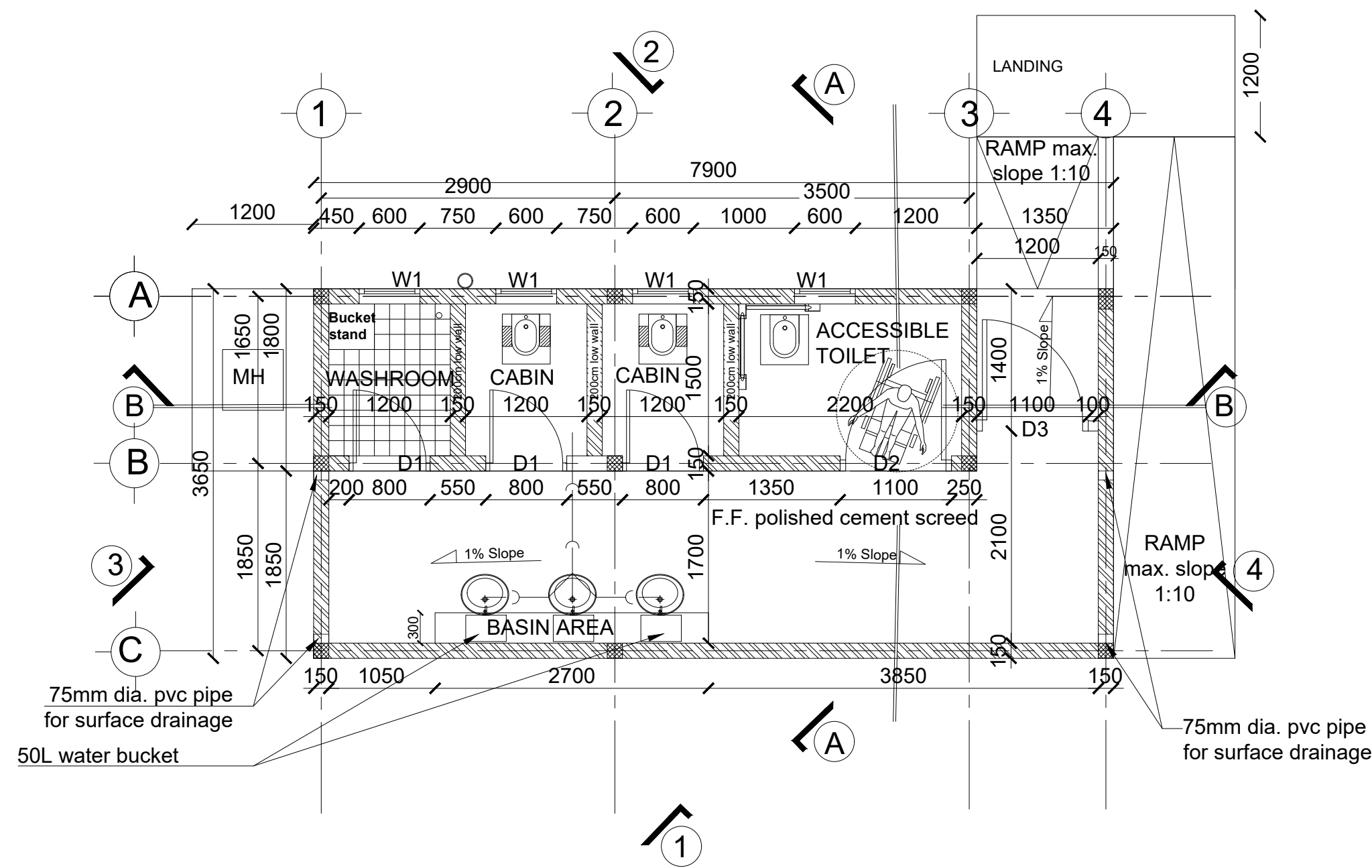
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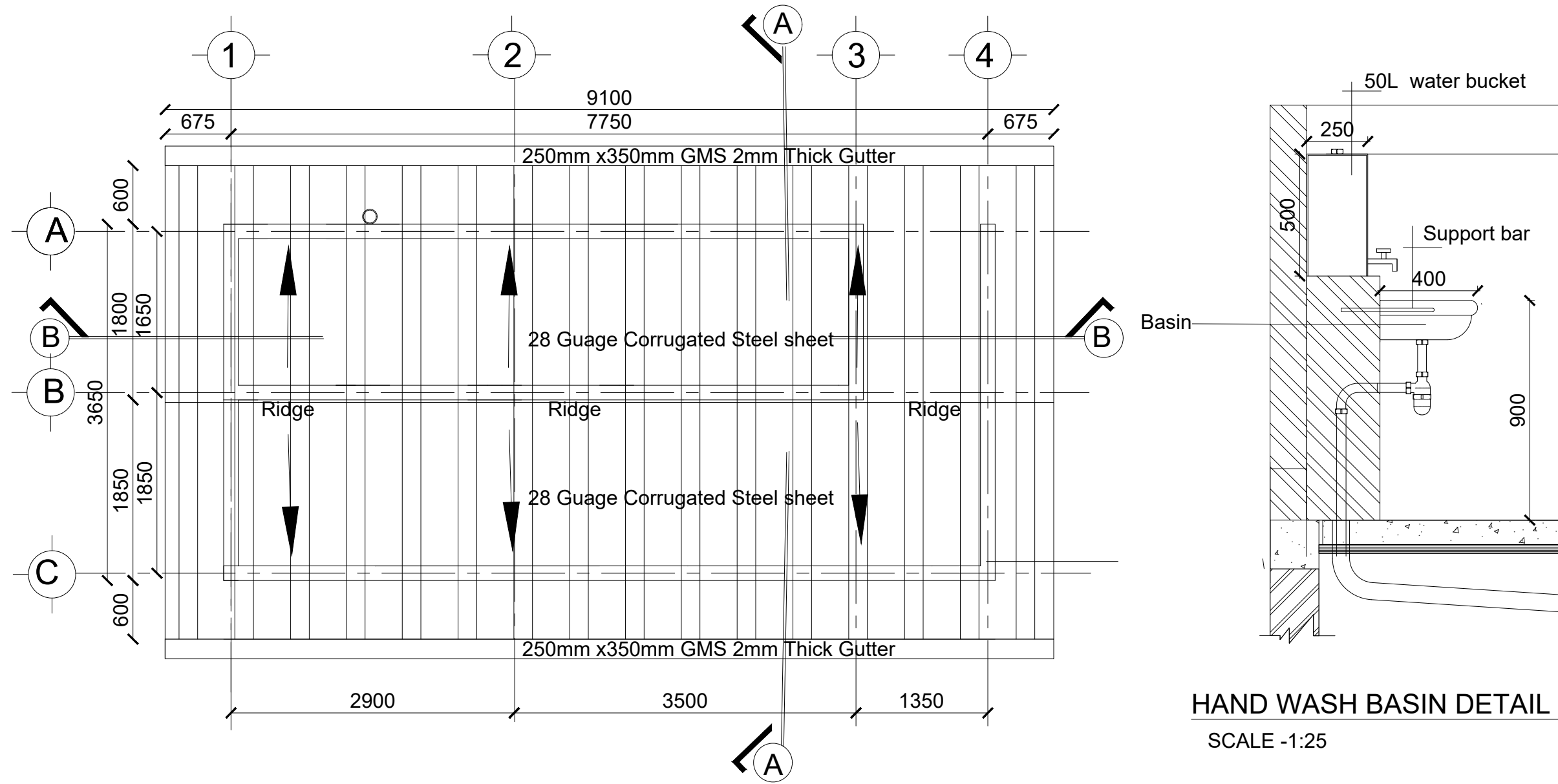
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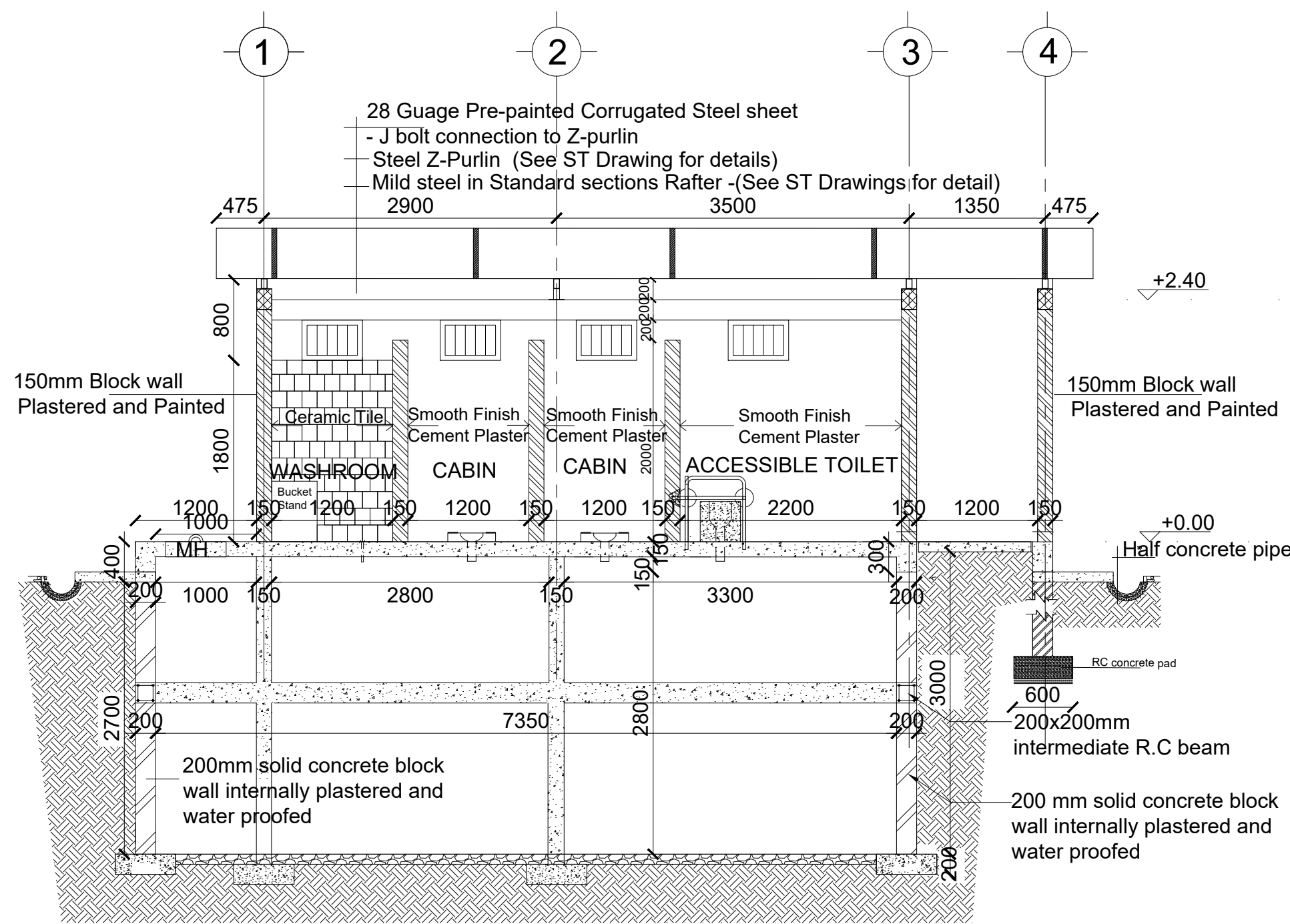
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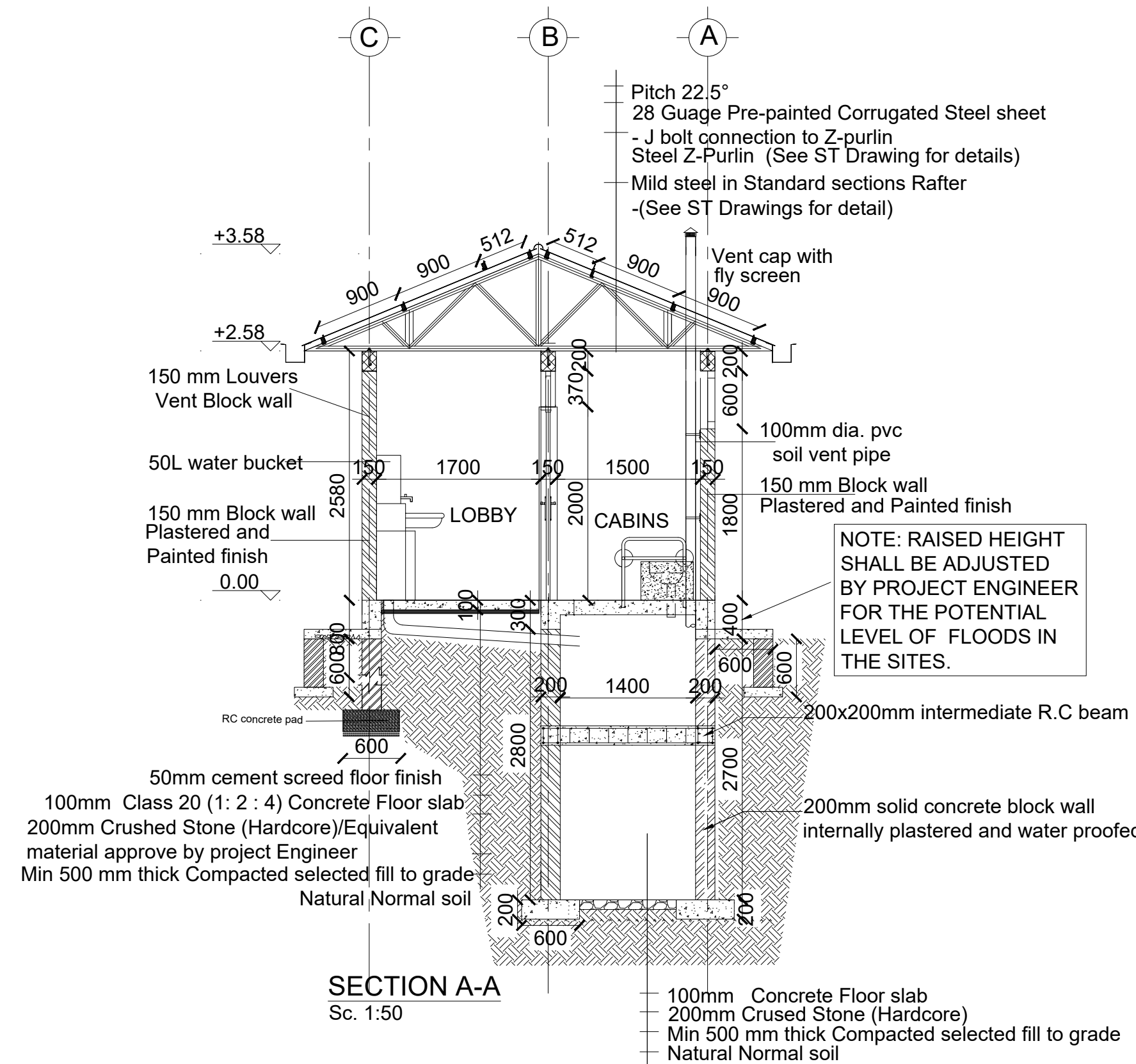
FACILITIES TOILET FLOOR PLAN - (FEMALE)
Sc. 1:50



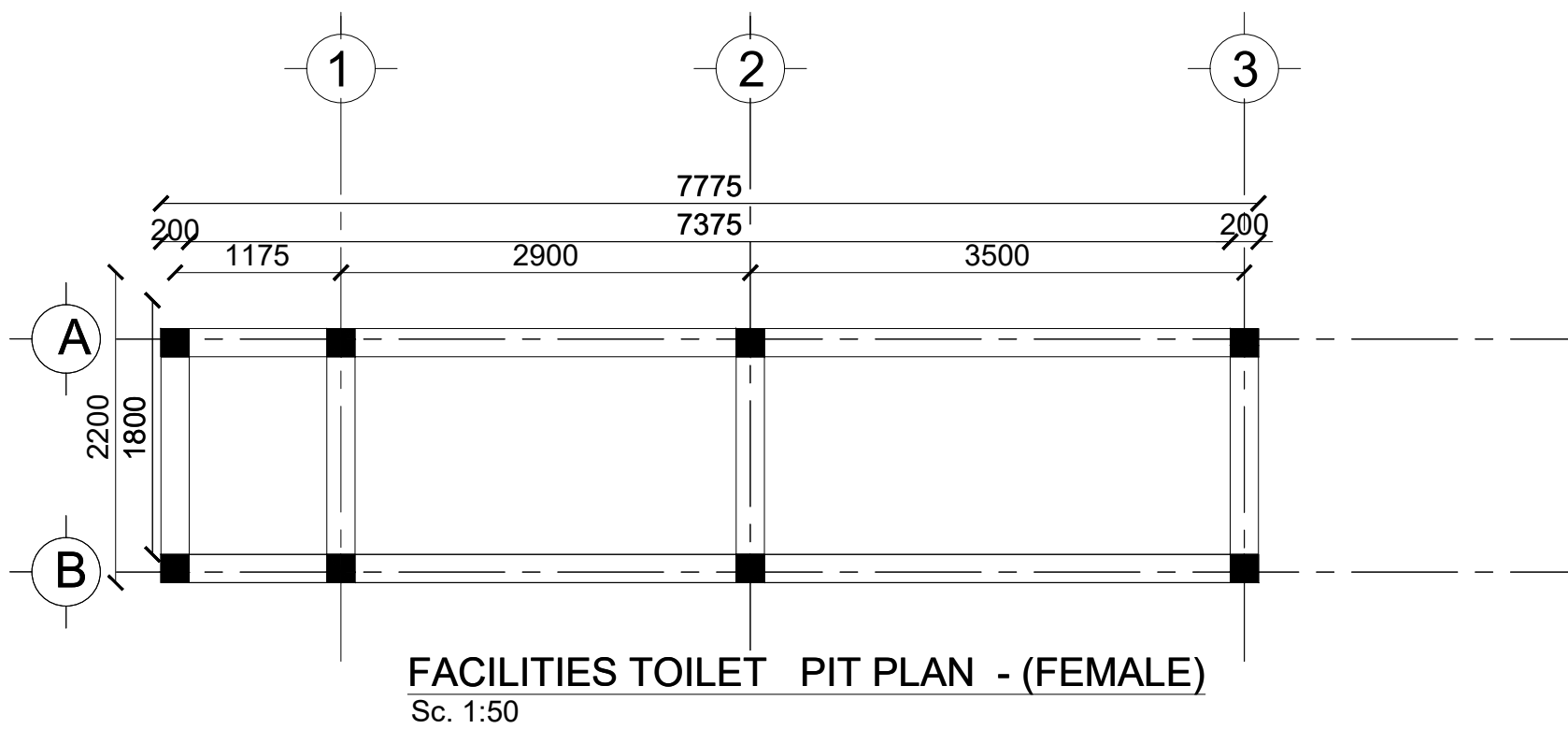
FACILITIES TOILET ROOF PLAN - (FEMALE)
Sc. 1:50



SECTION B-B

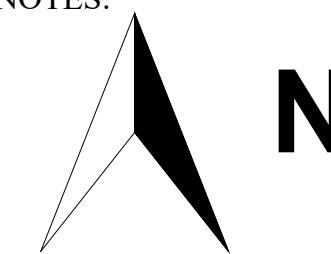


SECTION A-A
Sc. 1:50



FACILITIES TOILET PIT PLAN - (FEMALE)
Sc. 1:50

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Program



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GOVERNMENT OF SOUTH SUDAN

Implemented By:



Project:

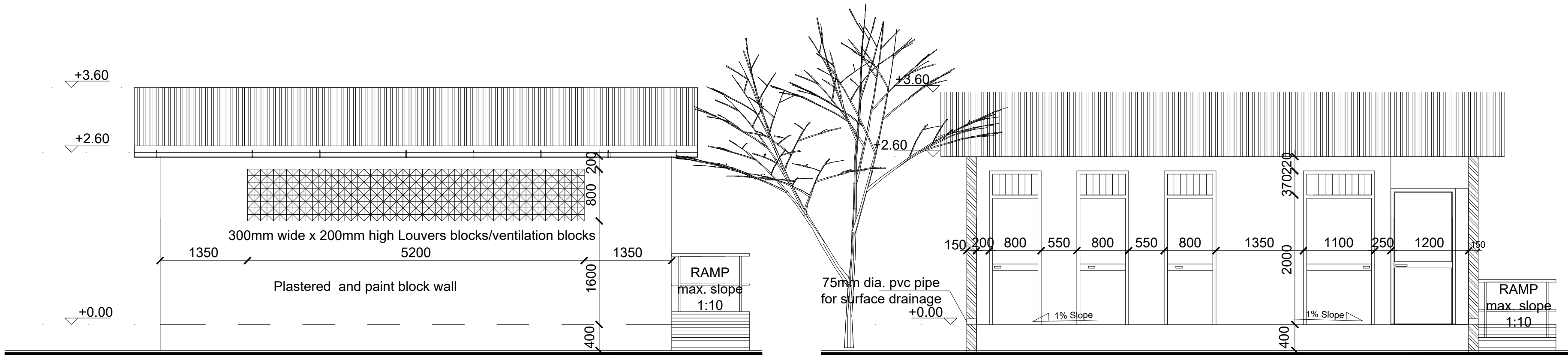
PROPOSED VIP LATRINES (FEMALE)

A BLOCK OF THREE STANCE AND WASHROOM (NORMAL SOIL)

Drawing Title

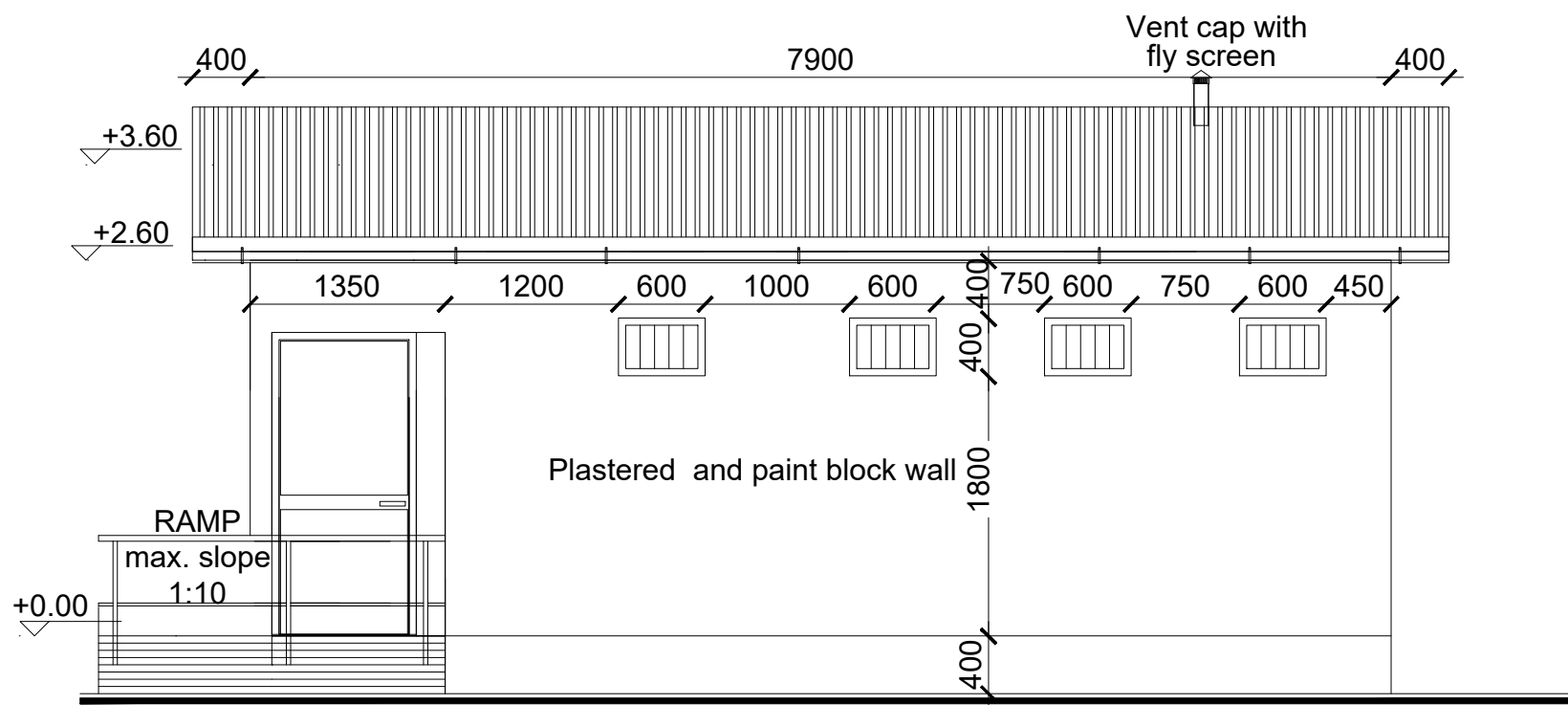
FLOOR PLAN, ROOF PLAN, SECTIONS

Designed By:	H.A	Drawn by:	H.A
Checked:	F.E & G.O	Approved:	----
Sheet #:	2/5	Scale:	AS SPECIFIED
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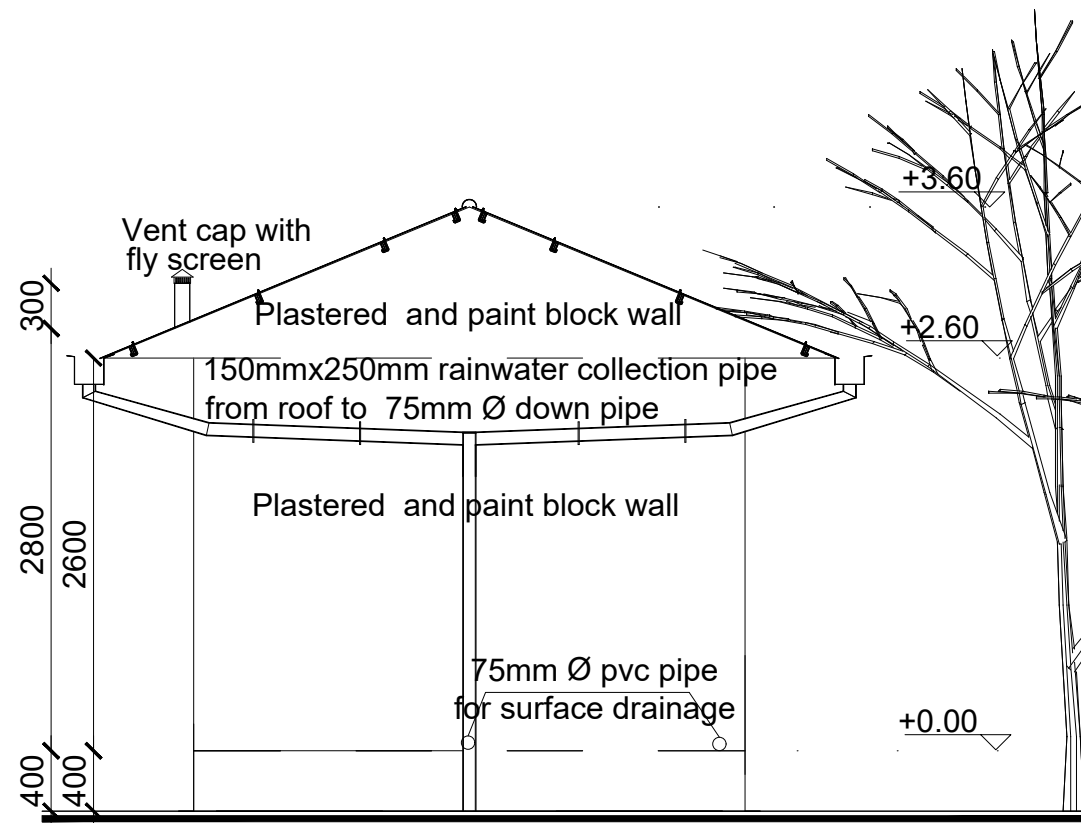


FRONT SIDE ELEVATION 1

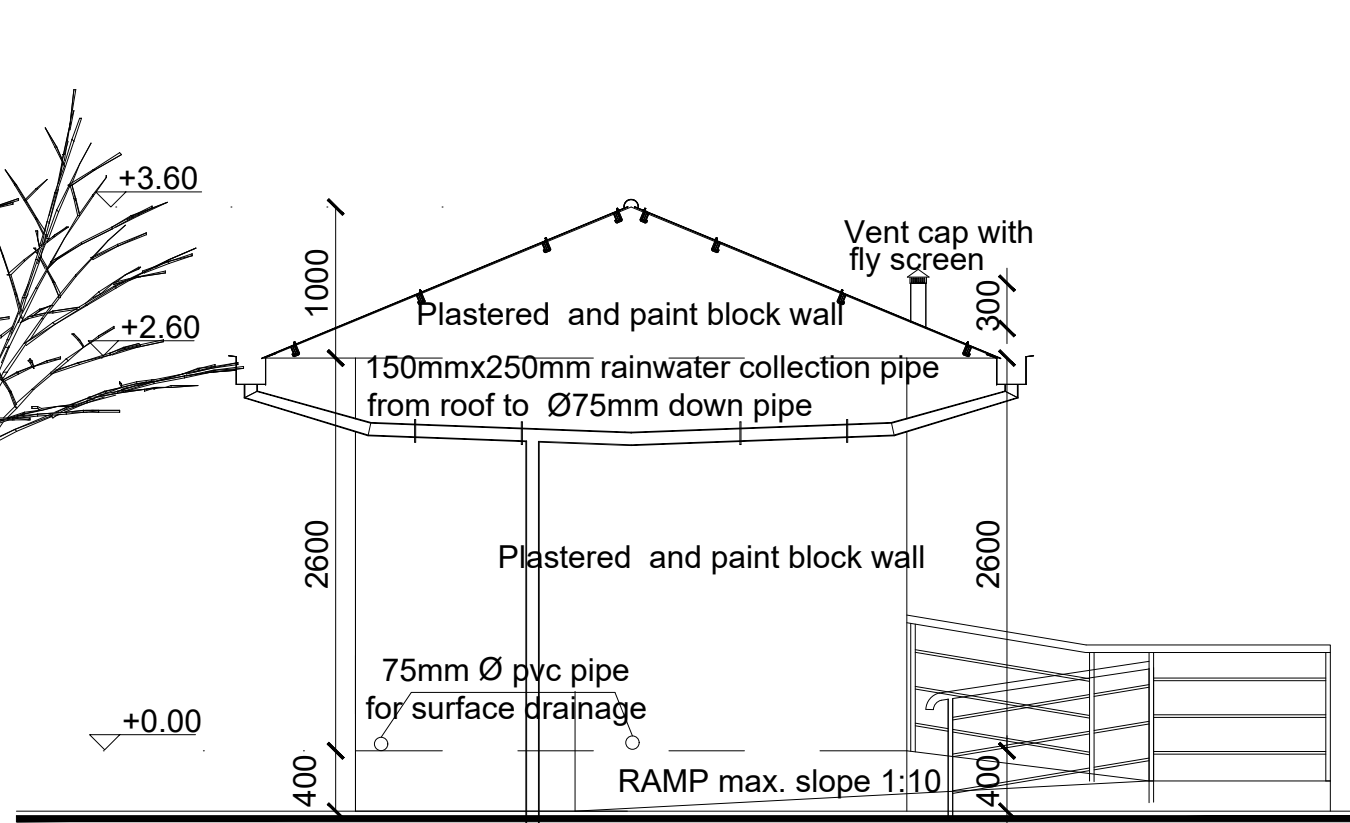
FRONT SIDE ELEVATION 1A (without front wall)



REAR ELEVATION 2



SIDE ELEVATION 3



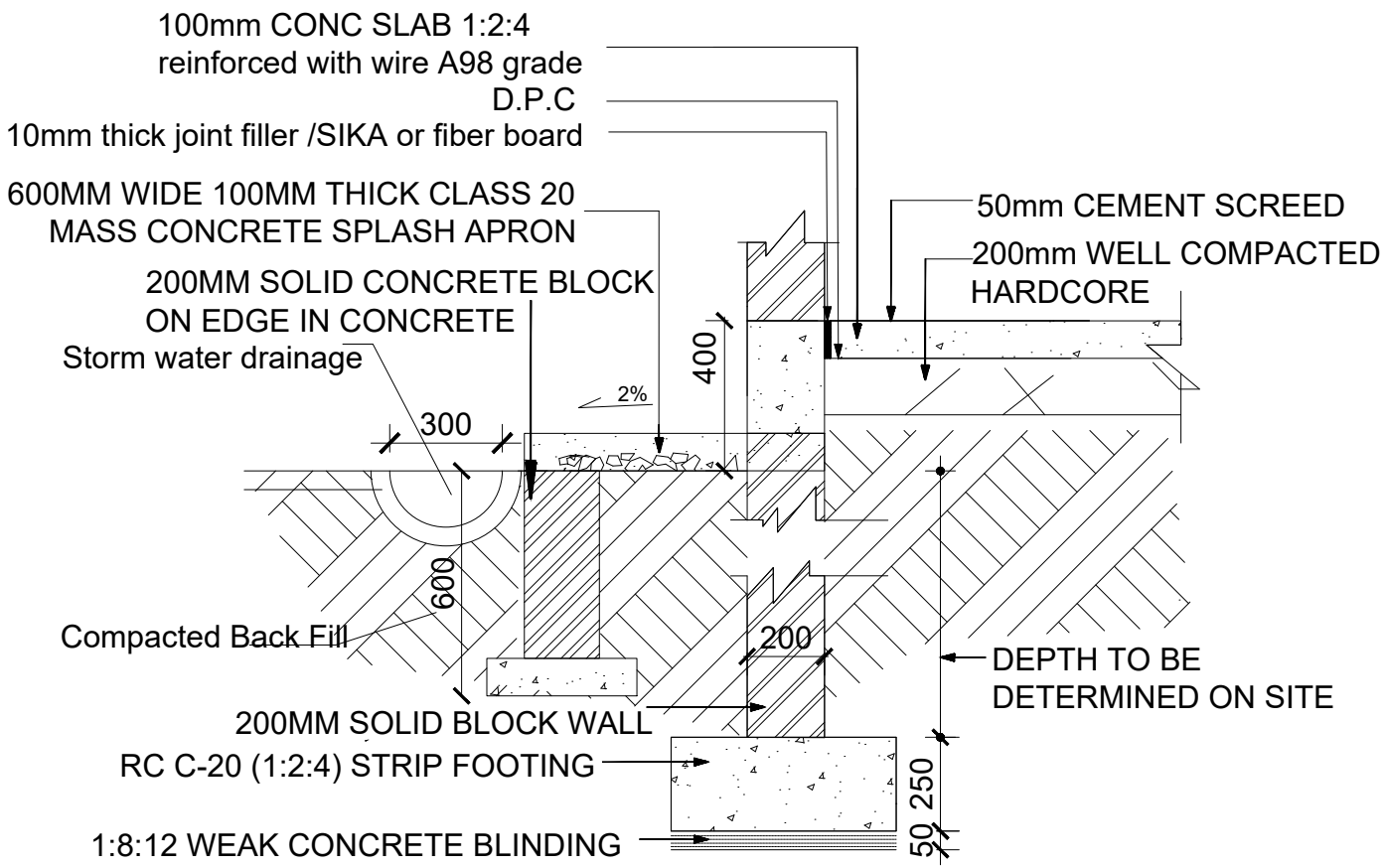
SIDE ELEVATION 4

DOOR SCHEDULE

Door Name	D1	D2	D3
Quantity	3	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.	

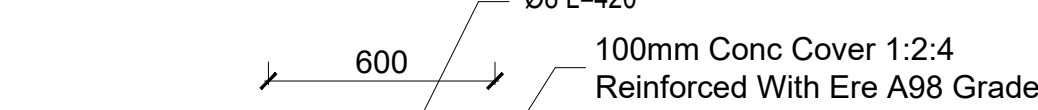
WINDOW SCHEDULE

Window Name	W1
Quantity	4
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

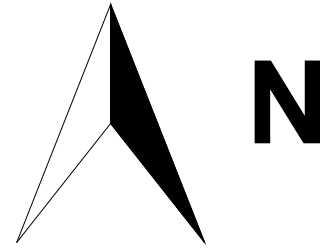
SCALE 1:20



DETAIL FOR MAN HOLE

SCALE 1:20

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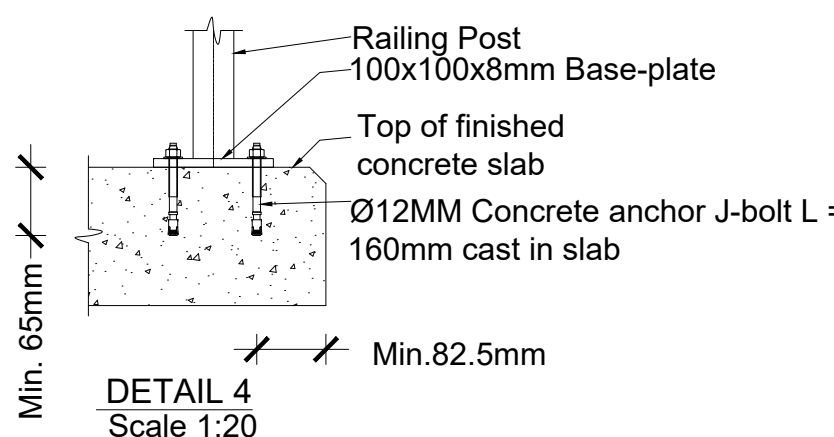
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Program
Client:
GOVERNMENT OF SOUTH SUDAN
Implemented By:

Project:
PROPOSED VIP LATRINES (FEMALE)
A BLOCK OF THREE STANCE AND WASHROOM (NORMAL SOIL)
Drawing Title

ELEVATIONS AND DETAILS	
Designed By: H.A	Drawn by: H.A
Checked: F.E & G.O	Approved: ----
Sheet #: 3/5	Scale: AS SPECIFIED
Date: 17 January 2024	Rev: 0

Project:	
PROPOSED VIP LATRINES (FEMALE)	
A BLOCK OF THREE STANCE AND WASHROOM (NORMAL SOIL)	
Drawing Tittle	
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



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1. All dimensions are in millimeters unless otherwise stated.
2. All dimensions are to be checked and confirmed on site before commencement of any work.
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 THREE STANCE AND WASHROOM (NORMAL SOIL)

Drawing Tittle

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