

**Mercy Corps - Gadarif State Office**

**ECW Project:**

**Date: 2/11/22**

**Bills of Quantities for semi - pementant design for babakry camp**

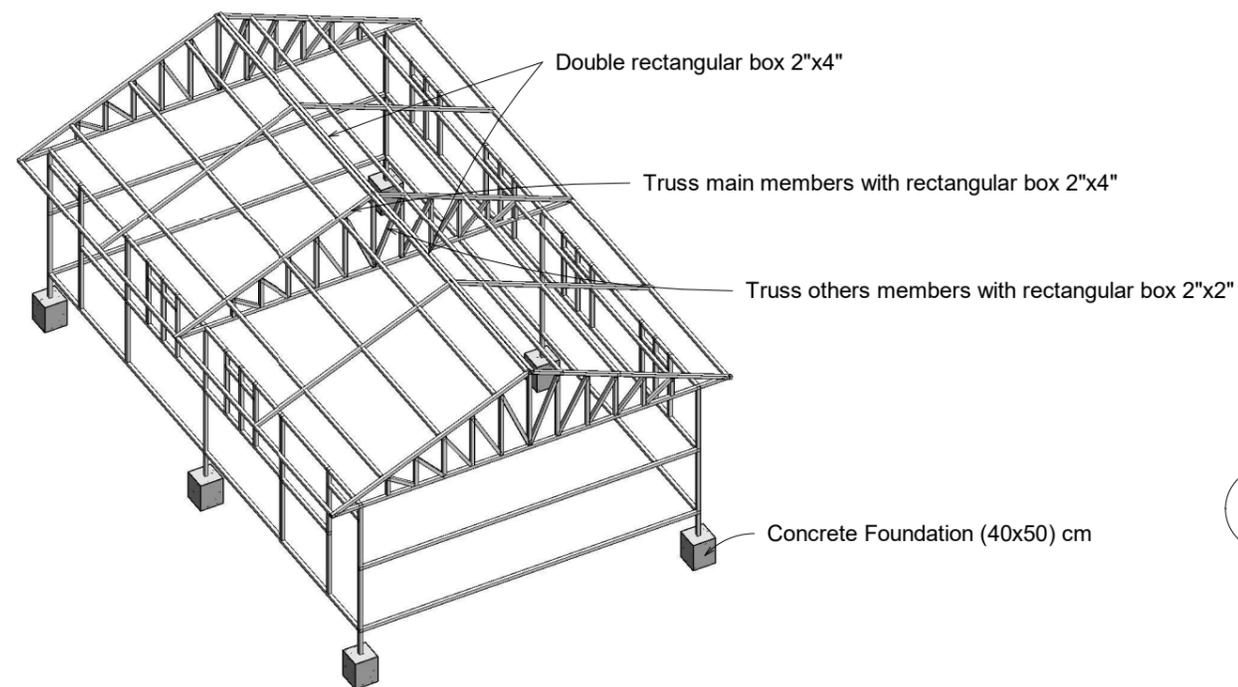
<b>Project name:</b>	ECW
<b>Project Location:</b>	Basunda locality - Gedaref State
<b>GPS: N 13 0 43</b>	E 35 45 43

**Babikri camp**

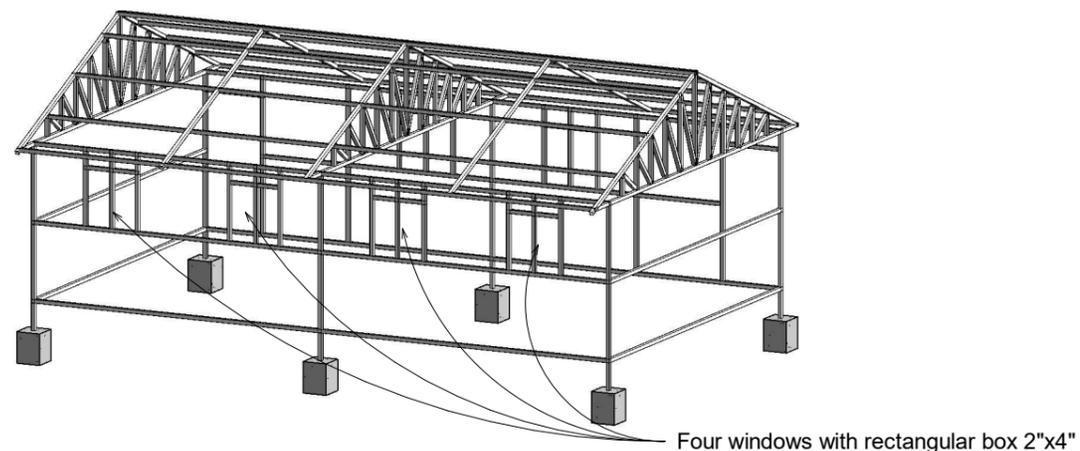
( Tow Class rooms )

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Rate SDG</b>	<b>Total Cost</b>
<b>1</b>	<b>Class rooms :</b>				
<b>1.1</b>	<b>Excavation works</b>				
1.1.1	excavate trench foundation 0.40 width x0.50 depth x32 m prameter , this work include labor, materials, and transportation .	M3	6.4		
<b>1.2</b>	<b>Bricks works</b>				
1.2.1	Provide and build 1.5 bricks 10m length ,6m width ,in cement sand mortar 50 cm under G.L and 40cm above G.L, mix 1:6 ,this work include labor , materials ,and transportation	m2	29		
<b>1.3</b>	<b>Plain concrete for floor</b>				
1.3.1	Provide and lay soil for floor( 9.4length x 5.4m width ) , 0.4m depth ,compacted by machine (minium 1 ton load ) very well in two layers ,this work include labor , materials ,and transportation	M3	21		
1.3.2	Provide and lay plain concrete 1:3:6 mixture on room floor 10m length and 6m width ,this work include labor , materials ,and transportation	M3	6		
<b>1.4</b>	<b>Steel works</b>				
1.4.1	Supply materials and place the pillars 2"x4" rectangular steel box in holes as specified in the design, each with 3.5m hight, 0.5m in concrete , This work includes painting with anti rust and with oil paint three coats, also include labor , materials ,and transportation .	No	6		
1.4.2	Supply and fix hollow rectangular steel section (2"x4"x1mm) as a <b>truss</b> beams base on design.The work includes welding base on design plus painting with anti rust,and three coats of oil paint.the extra pices from the pillars should be used on the trusses.This work include labor, materials, and transportation.	No	3		
1.4.3	Supply and fix hollow rectangular steel section (2"x4"x1mm) as a roof and side <b>purlins</b> with 7m with and 10m length . The work includes painting with anti rust and oil paint three coats , and welding , also include labor , materials ,and transportation .	M2	70		
<b>1.5</b>	<b>Roof with American zinc with 6m length</b>				
1.5.1	Supply and install American zinc sheets CG(0.4mm) for the entire classroom roof 10.2 m length and 7m width both sides ,with ridge cap and proper 20cm overlapping.This works ibclude 5Kg nails, labor , materials and transportation.	M2	71.5		

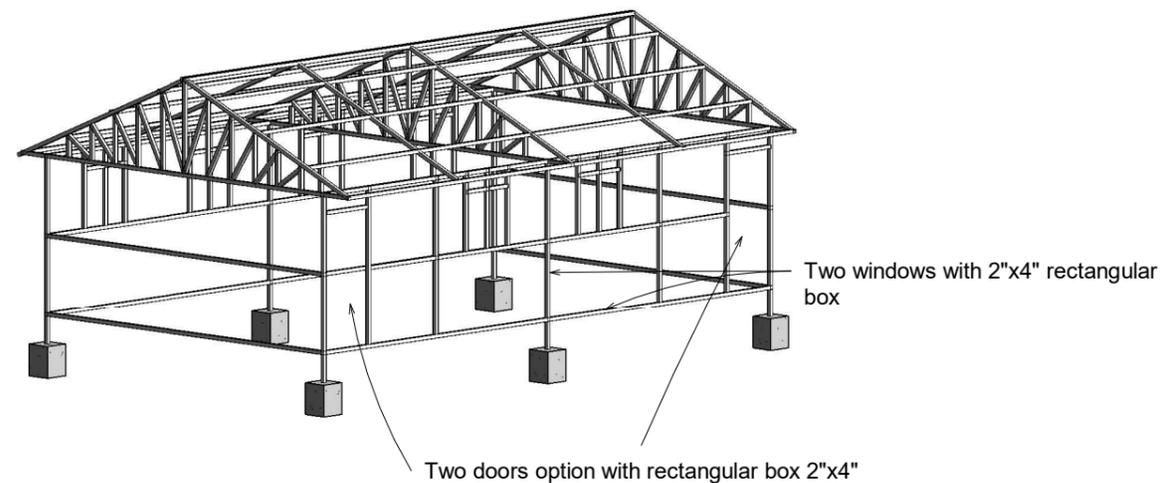
1.5.2	supply and install Polyethylene roll for class room ceiling 10m length and 6 m width .This works ibclude labor , materials and transportation.	M2	100		
<b>1.6</b>	<b>Wall works</b>				
1.6.1	Supply and fix Bamboo joined together in vertical and horizontal for the classroom side walls (2.5m high and 32m prameter , with wire bond and painting .This works ibclude labor , materials and transportation.	M2	85		
1.6.2	supply and install plastic sheet flap hanging downwards from under the cieling to under the window to cover the class from entering rain water .This works ibclude labor , materials and transportation.	M2	64		
<b>1.7</b>	<b>Steps outdoors works</b>				
1.7.1	Provide materials and build steps with plain concrete , mix 1:3:6 . and threshold ramp based on design,This works ibclude labor , materials and transportation.	M3	2		
<b>1.8</b>	<b>Doors works and windows</b>				
1.8.1	Provide materials, manufacture and install steel doors size 2x1 m, made of heavy iron pipes frames 3x6 inch,oil painted and completed locks and hinges.	No	2		
1.8.2	Ditto but for windows size 0.9x0.9 m	No	6		
<b>1.9</b>	<b>Logos works</b>				
1.9.1	MCE logo (50*50)cm	No	1		
	<b>TOTAL in SDG</b>				
	<b>17% VAT</b>				
	<b>TOTAL with VAT in SDG</b>				
	<b>TOTAL in USD</b>				
	<b>Total for two class rooms in SDG</b>				
	<b>Total for two class rooms IN USD</b>				



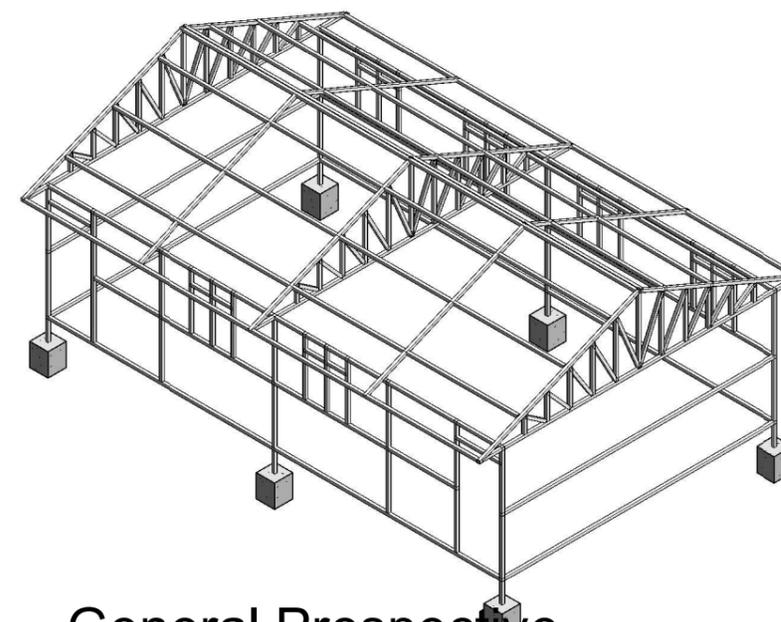
1 Perspective view show top of class



3 Perspective view show windows



2 doors

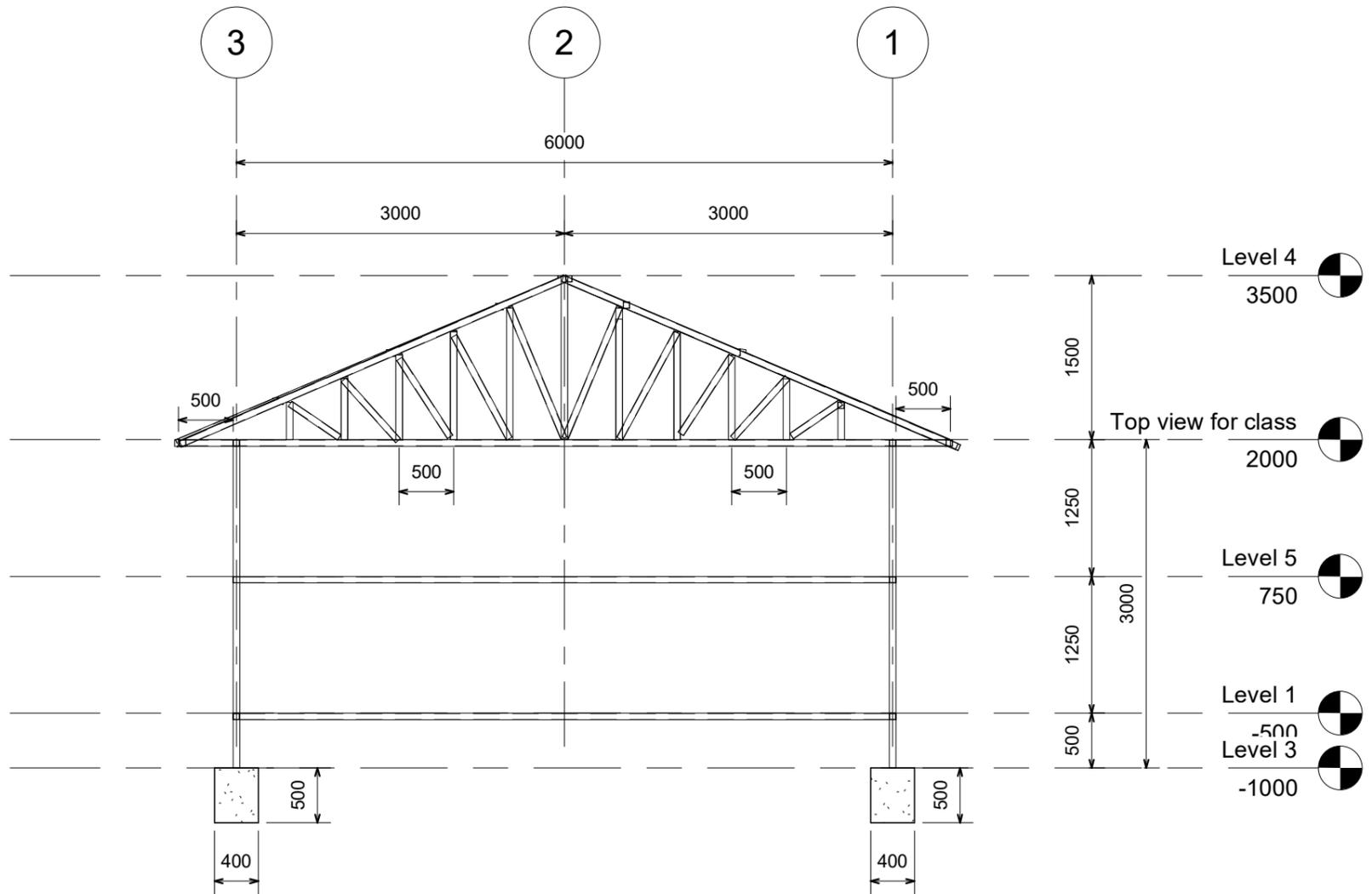


4 General Perspective

Pre school - babikri camp

No.	Description	Date

ECW	ECW		Perspective views	
	Project number	Project Number	Class room skelton	
	Date	Issue Date		
	Drawn by	Author	Scale	
Checked by	Checker			

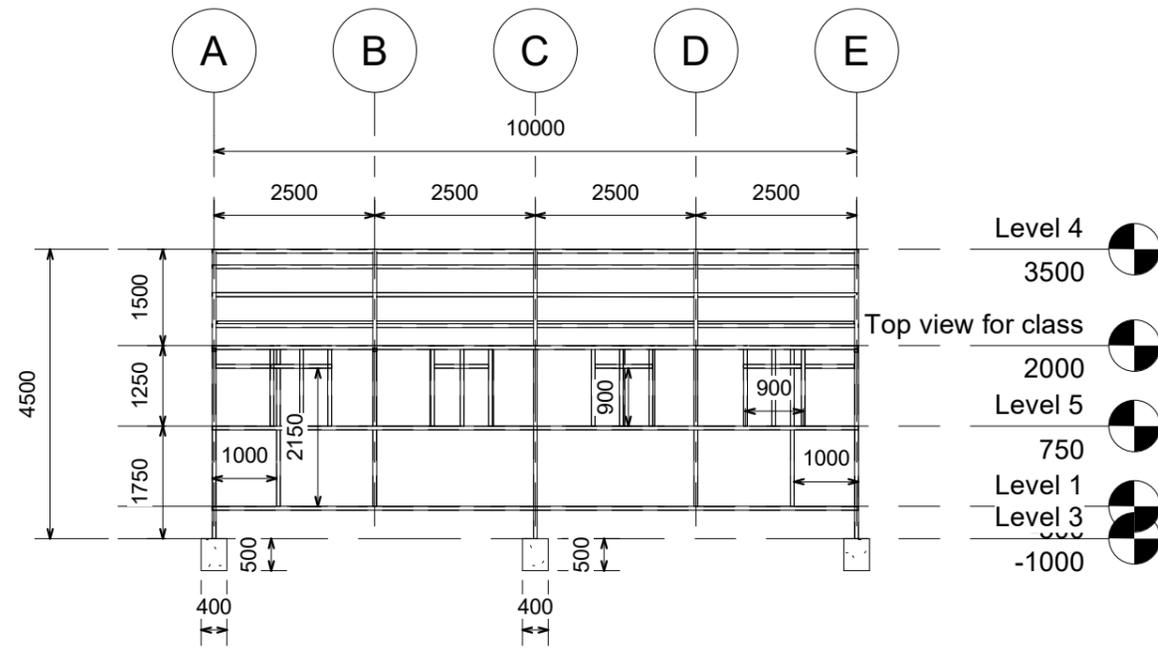


1 East  
1 : 50

Pre school - babikri camp

No.	Description	Date

ECW	ECW	East side view for class room	
		Project number	Project Number
		Date	Issue Date
		Drawn by	Author
		Checked by	Checker
			Scale
			1 : 50



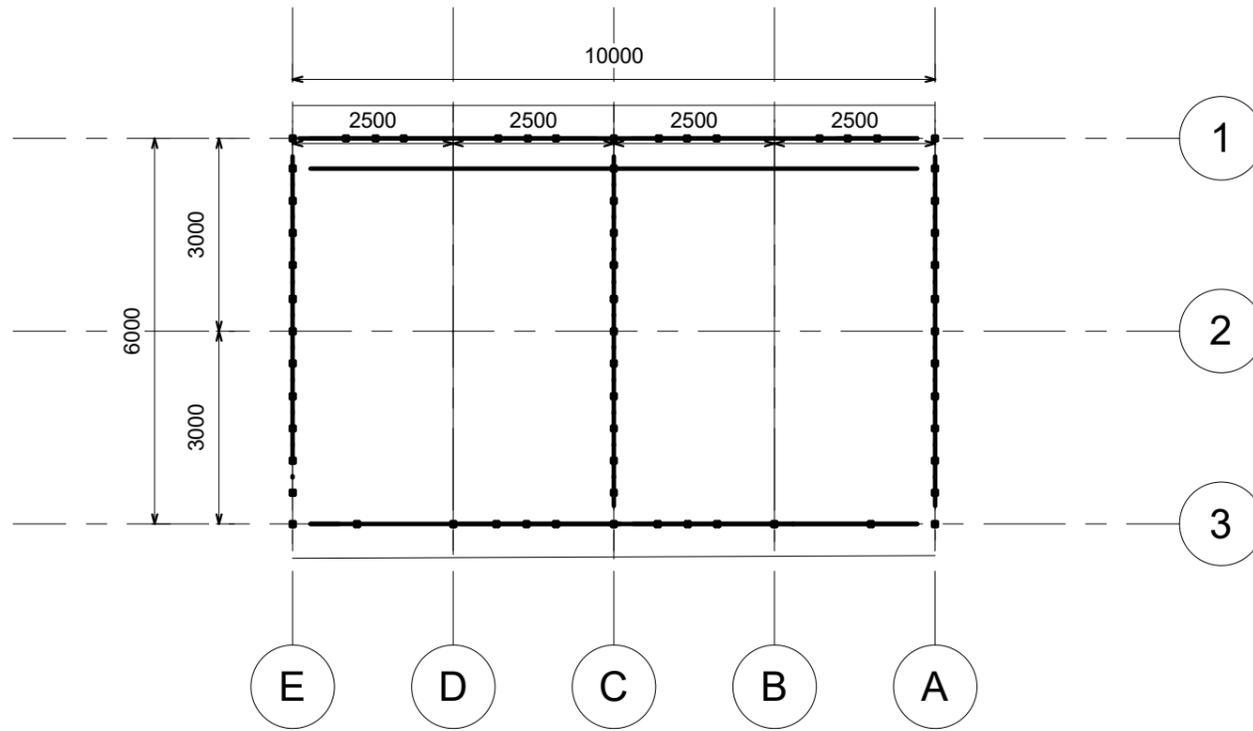
1 North  
1 : 100

Pre school - babikri camp

No.	Description	Date

ECW

Side view		
Project number	Project Number	
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	Scale
		1 : 100



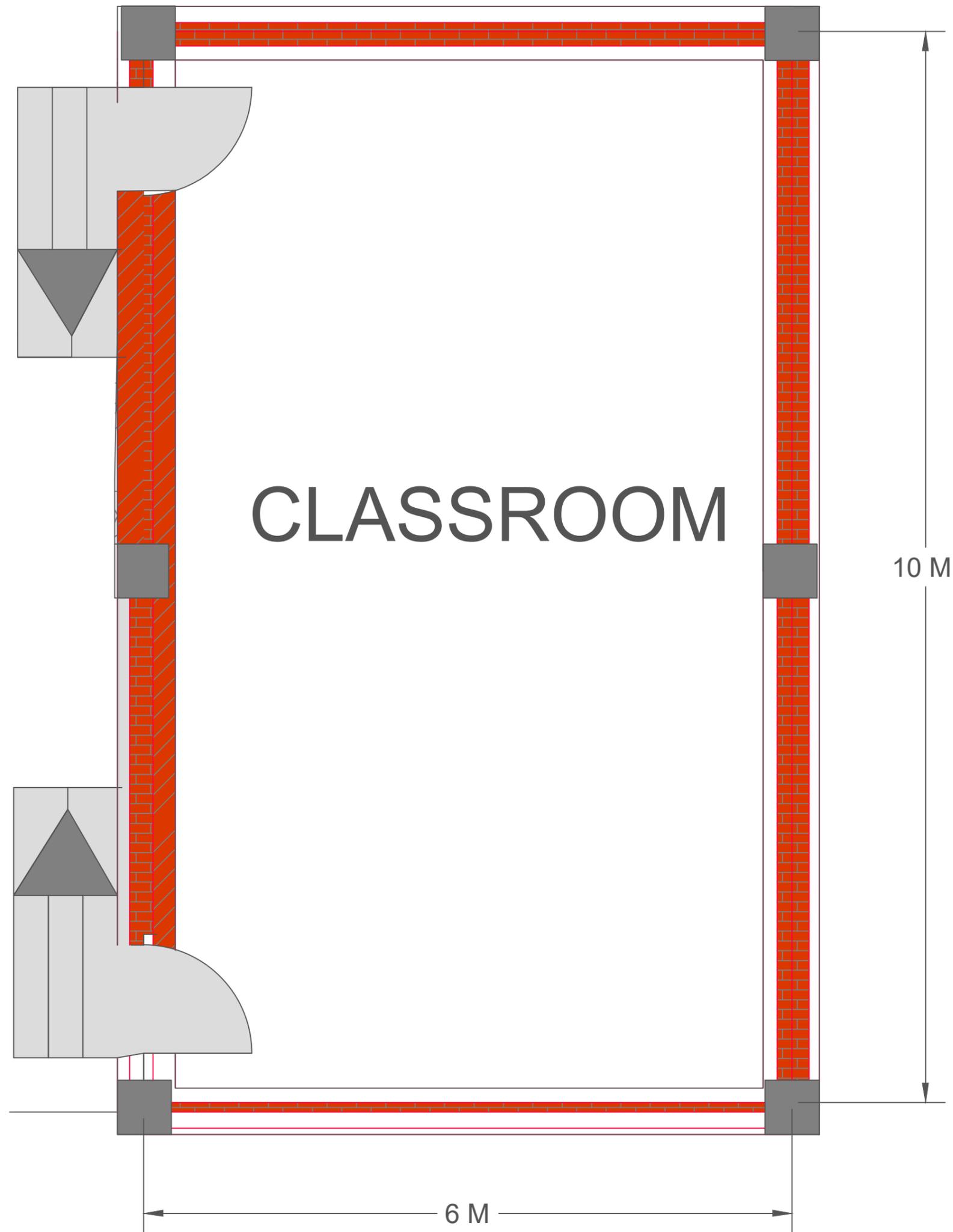
1 Top view for class  
1 : 100

Pre school - babikri camp

No.	Description	Date

ECW                      ECW

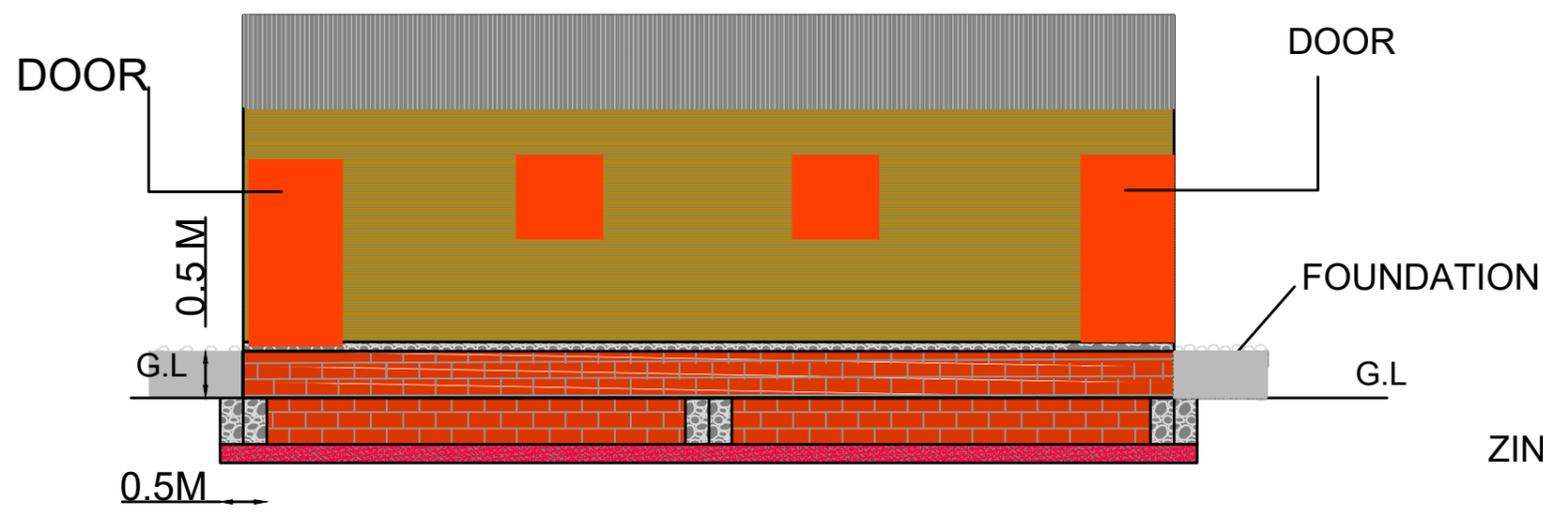
Top view for class		
Project number	Project Number	
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	Scale
		1 : 100



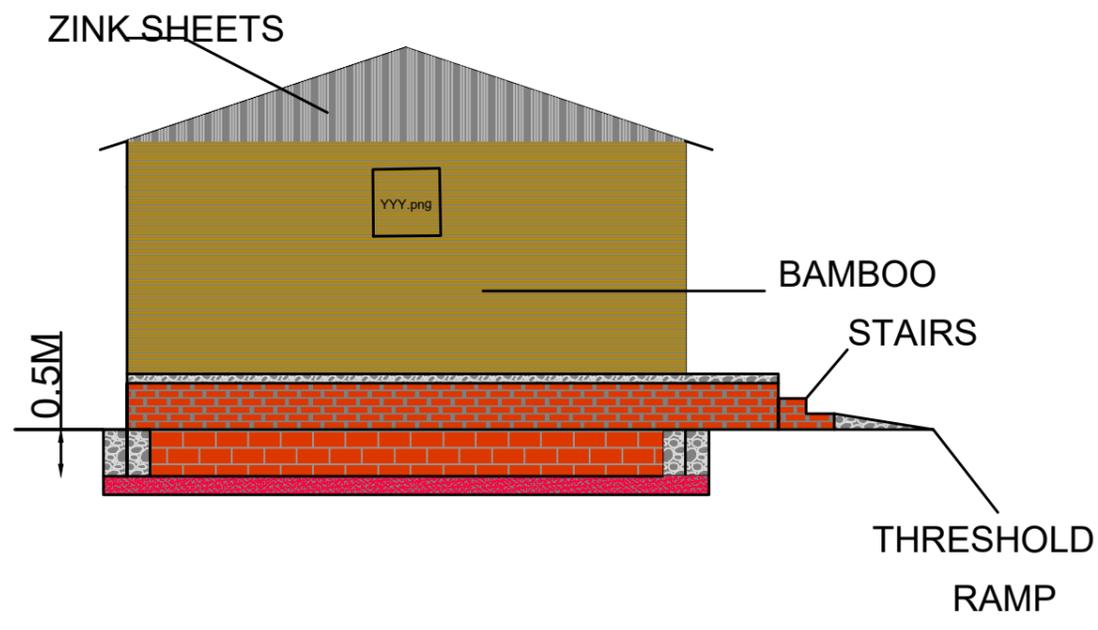
CLASSROOM

10 M

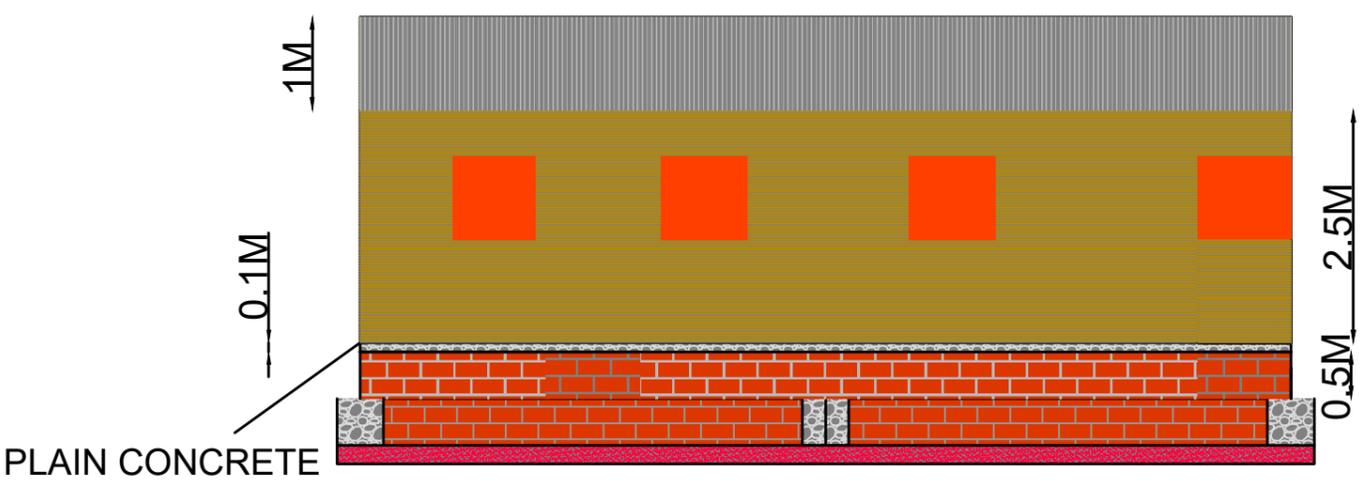
6 M



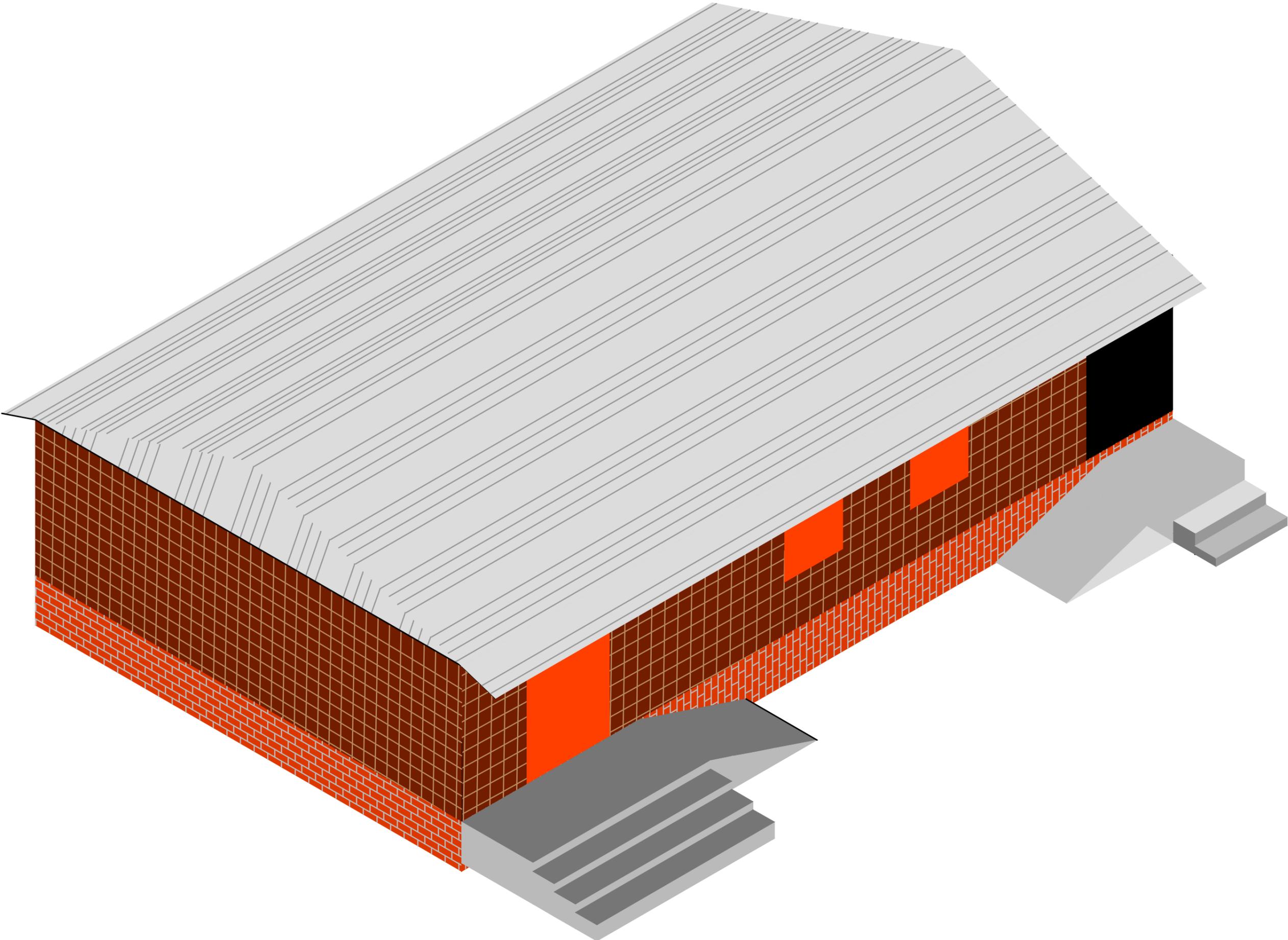
front section



SIDE VIEW



REAR SECTION



**Mercy Corps - Gadarif State Office**

**ECW Project:**

**Date: 2/11/22**

**Bills of Quantities for semi - permanent design for babikry camp**

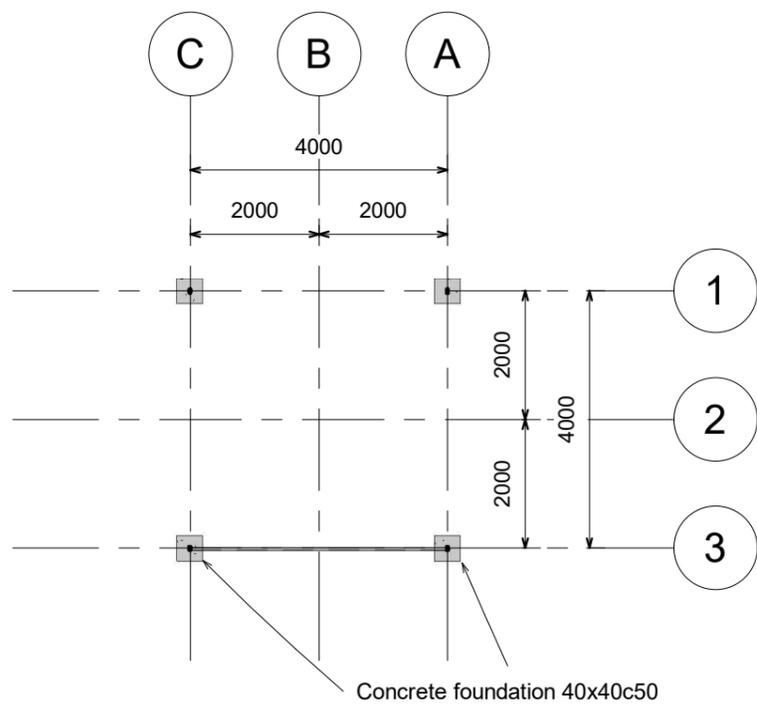
<b>Project name:</b>	ECW
<b>Project Location:</b>	Basunda locality - Gedaref State
GPS: N 13 0 43	E 35 45 43

**Babikri camp**

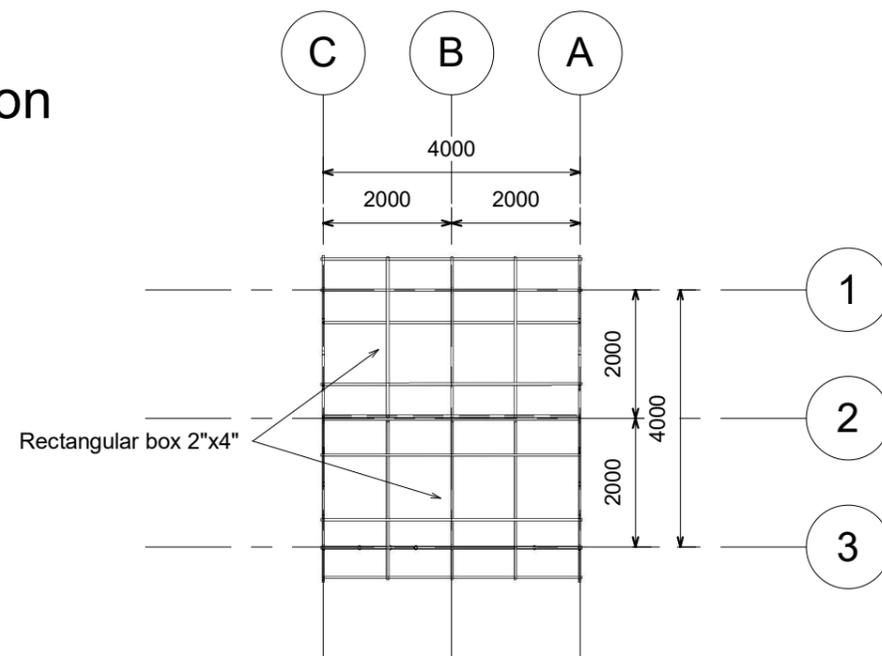
( one office room )

Item	Description	Unit	Quantity	Unit Rate SDG	Total Cost
<b>1</b>	<b>Office:</b>				
<b>1.1</b>	<b>Excavation works</b>				
1.1.1	excavate trench foundation 0.40 width x0.50 depth x16 m prameter , this work include labor, materials, and transportation .	M3	3.2		
<b>1.2</b>	<b>Bricks works</b>				
1.2.1	Provide and build 1.5 bricks 4m length ,4m width ,in cement sand mortar 50 cm under G.L and 40cm above G.L, mix 1:6 ,this work include labor , materials ,and transportation	m2	16		
<b>1.3</b>	<b>Plain concrete for floor</b>				
1.3.1	Provide and lay soil for floor( 3.4length x3.4m width ) , 0.4m depth ,compacted by machine (minium 1 ton load ) very well in two layers ,this work include labor , materials ,and transportation	M3	5		
1.3.2	Provide and lay plain concrete 1:3:6 mixture on room floor 4m length and4m width ,this work include labor , materials ,and transportation	M3	1.6		
<b>1.4</b>	<b>Steel works</b>				
1.4.1	Supply materials and place the pillars 2"x4" rectangular steel box in holes as specified in the design, each with 3m hight, 0.5m in concrete , This work includes painting with anti rust and with oil paint three coats, also include labor , materials ,and transportation .	No	4		
1.4.2	Supply and fix hollow rectangular steel section (2"x4"x1mm) as a <b>truss</b> beams base on design.The work includes welding base on design plus painting with anti rust,and three coats of oil paint.the extra pices from the pillars should be used on the trusses.This work include labor, materials, and transportation.	No	2		
1.4.3	Supply and fix hollow rectangular steel section (2"x4"x1mm) as a roof and side <b>purlins</b> with 7m with and 10m length . The work includes painting with anti rust and oil paint three coats , and welding , also include labor , materials ,and transportation .	M2	20		
<b>1.5</b>	<b>Roof with American zinc with 6m length</b>				

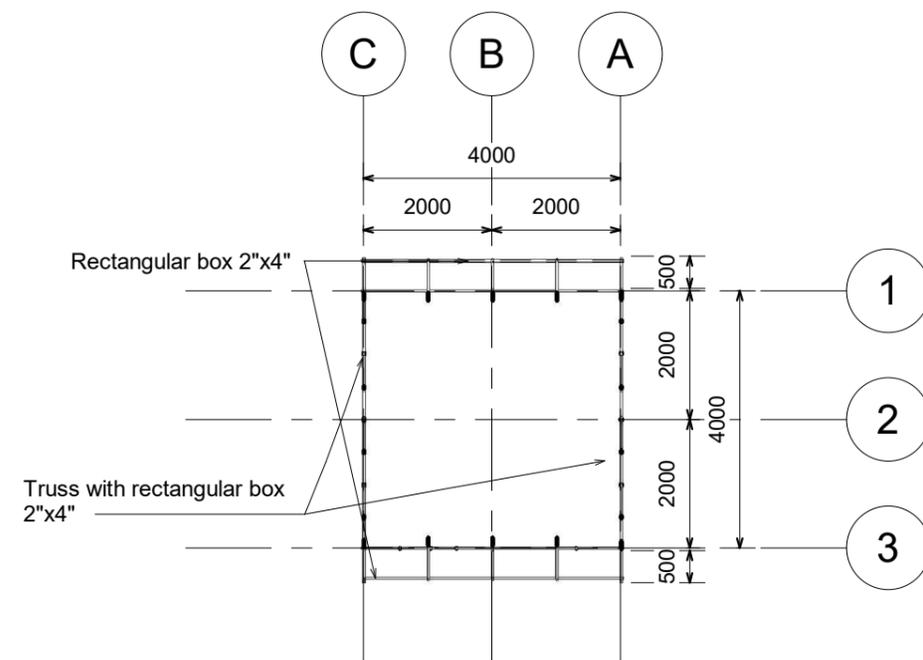
1.5.1	Supply and install American zinc sheets CG(0.4mm) for the entire office roof 5 m length and 4m width both sides ,with ridge cap and proper 20cm overlapping.This works ibclude 3Kg nails, labor , materials and transportation.	M2	25		
1.5.2	supply and install Polyethylene roll for class room ceiling 10m length and 6 m width .This works ibclude labor , materials and transportation.	M2	30		
<b>1.6</b>	<b>Wall works</b>				
1.6.1	Supply and fix Bamboo joined together in vertical and horizontal for the classroom side walls (2.5m high and 32m prameter , with wire bond and painting .This works ibclude labor , materials and transportation.	M2	32		
1.6.2	supply and install plastic sheet flap hanging downwards from under the cieling to under the window to cover the class from entering rain water .This works ibclude labor , materials and transportation.	M2	25		
<b>1.7</b>	<b>Steps outdoors works</b>				
1.7.1	Provide materials and build steps with plain concrete , mix 1:3:6 . and threshold ramp based on design,This works ibclude labor , materials and transportation.	M3	1		
<b>1.8</b>	<b>Doors works and windows</b>				
1.8.1	Provide materials, manufacture and install steel doors size 2x1 m, made of heavy iron pipes frames 3x6 inch,oil painted and completed locks and hinges.	No	1		
1.8.2	Ditto but for windows size 0.9x0.9 m	No	3		
<b>1.9</b>	<b>Logos works</b>				
1.9.1	MCE logo (50*50)cm	No	1		
	<b>TOTAL in SDG</b>				
	<b>17% VAT</b>				
	<b>TOTAL with VAT in SDG</b>				
	<b>TOTAL in USD</b>				



**1** Foundation  
1 : 100



**3** The roof  
1 : 100



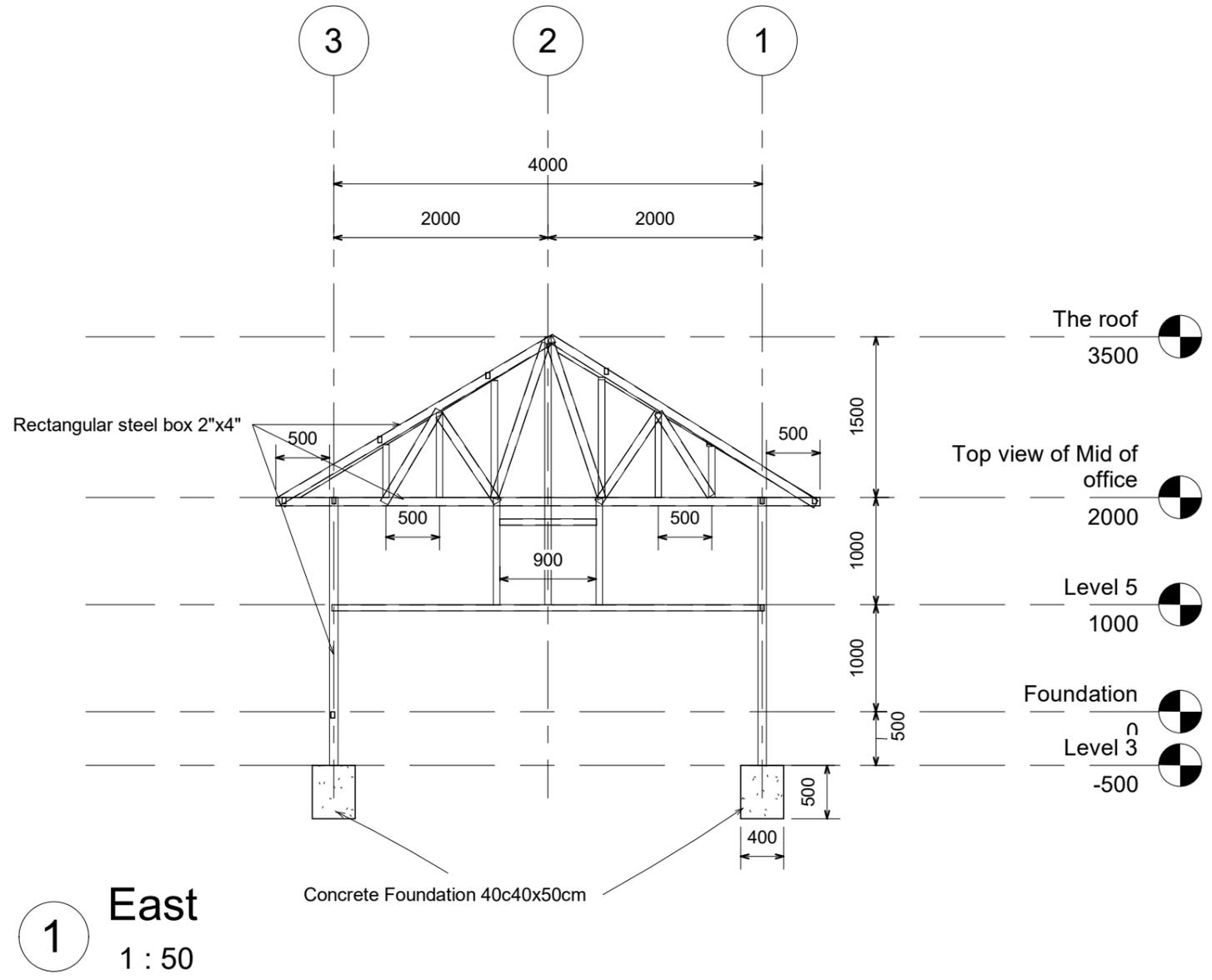
**2** Top view of Mid of office  
1 : 100

Pre schol - babikri camp

No.	Description	Date

ECW

Top views of office		
Project number	Project Number	
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	Scale
		1 : 100

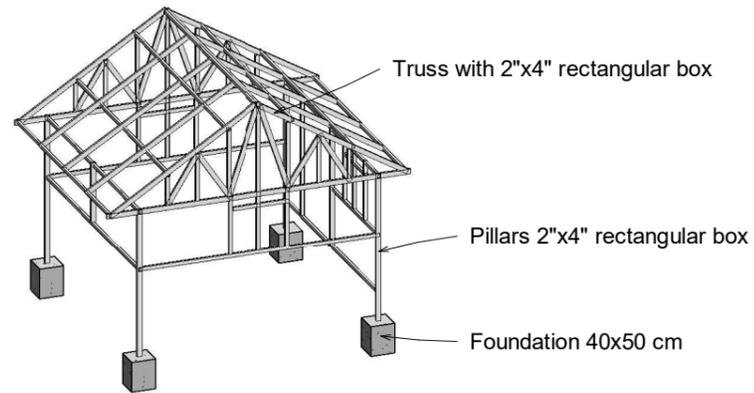


Pre schol - babikri camp

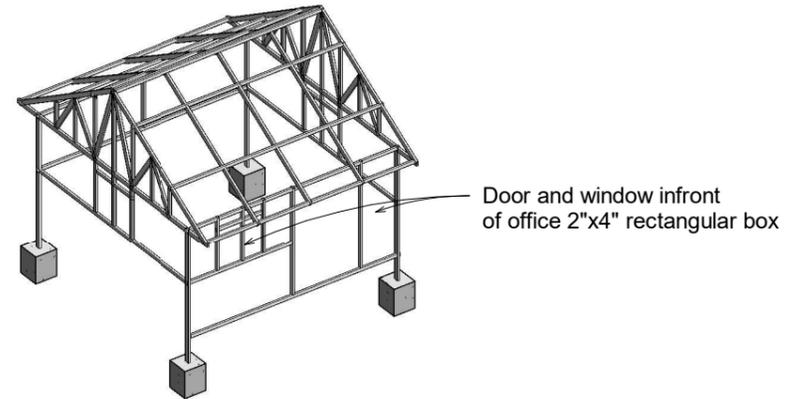
No.	Description	Date

EAST VIEW SIDE		
Project number	Project Number	
Date	Issue Date	
Drawn by	Author	
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		1 : 50

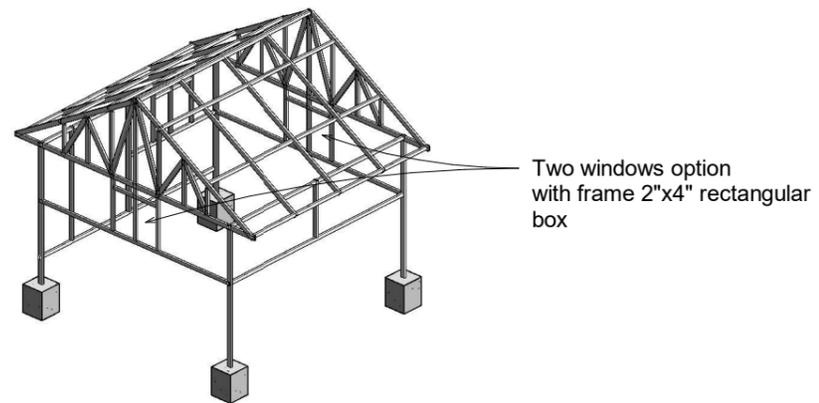
ECW



1 General perspective view



2 perspective view show door and window



3 perspective view show windows

Pre schol - babikri camp

No.	Description	Date

Project Name <b>ECW</b>	Perspective view	
	Project number	Project Number
	Date	Issue Date
	Drawn by	Author
Checked by	Checker	Scale

**Mercy Corps - Gadarif State Office**

**Project name :**

**ECW**

**Bills of Quantities for construction of pre- School Latrine**

**Project name:**

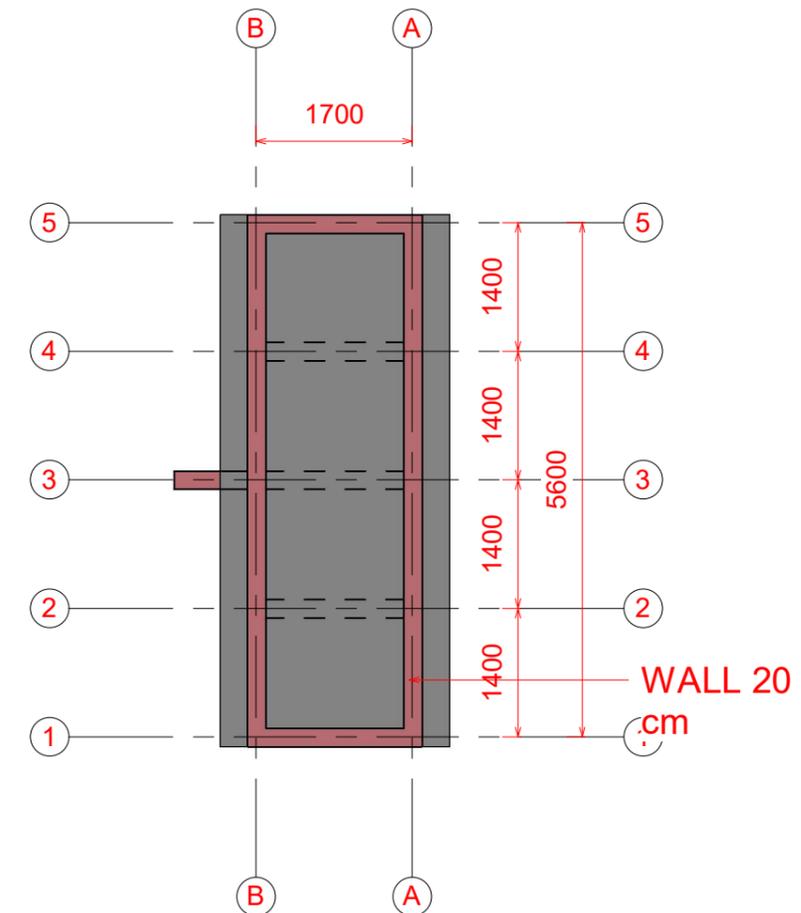
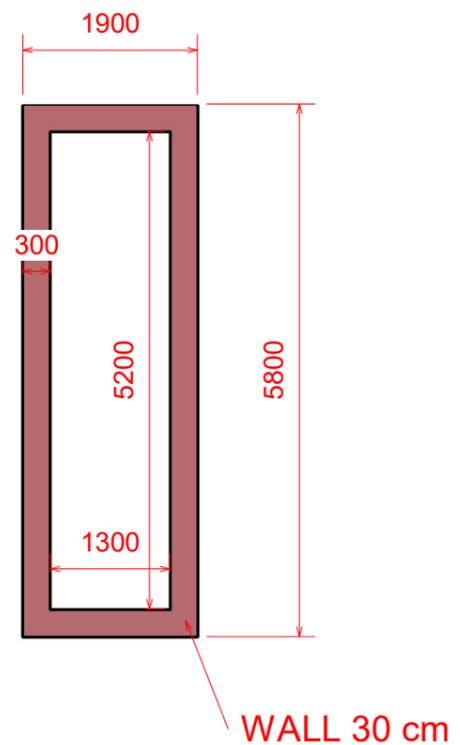
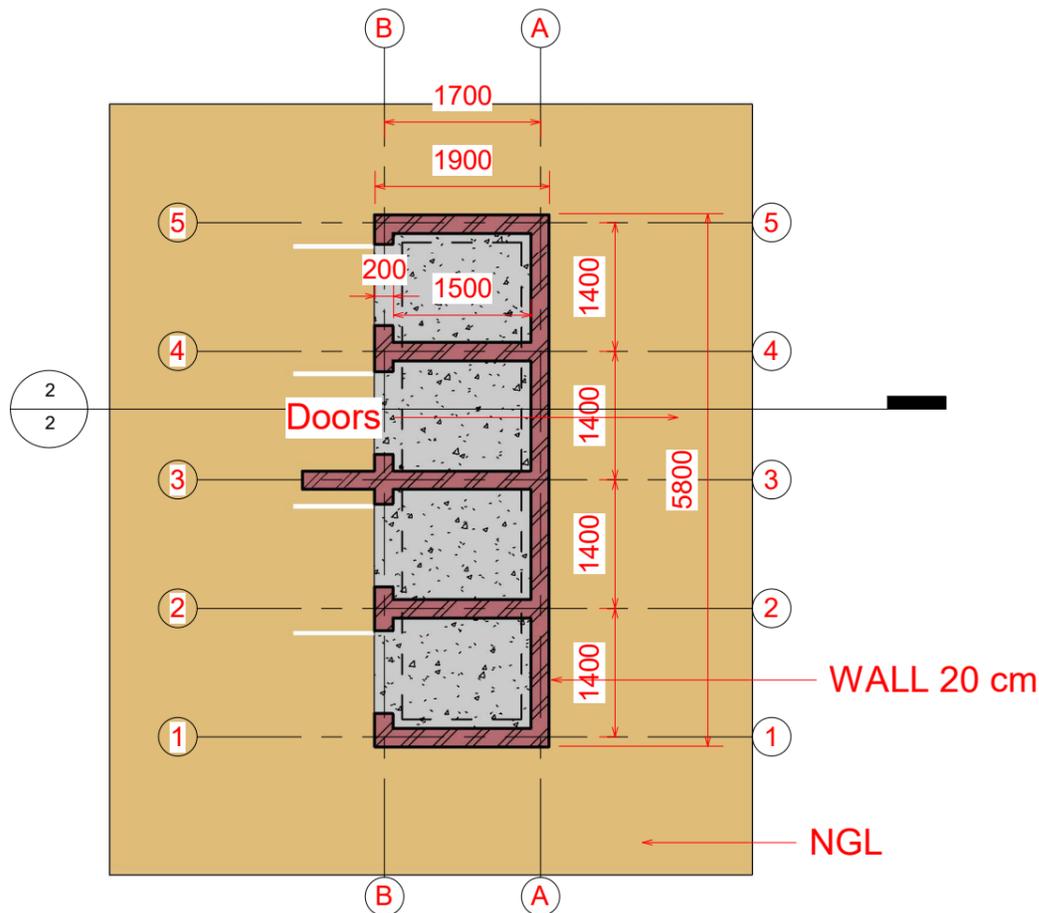
Construction of per- school latrine

**Project Location:**

**Babikry camp - Basunda locality**

GPS: N 13 0 43	E 35 45 43
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Item	Description	Unit	Quantity	Unit Rate	Total amount
<b>1</b>	<b>Foundation:</b>				
1.1	Excavation strip foundation (0.3*0.7m) with prameter 16m length.	m3	4		
1.2	Back filling by the stone with cement mortar (0.4m depth)	m3	2		
1.3	Suplly and casting concrete materials for Grade beam 0.3*0.2m) rebar Y12 stirps Y8 @15cm	m3	1		
<b>2</b>	<b>Floor</b>				
2.1	Supply and fixing pvc vent pipe 4"	pcs	2		
2.2	Supply material and installation of new toilet seats English seat for disabilities students.	pcs	4		
2.3	Provide material and cast of Plain concrete 10cm thickness, mix (1:3:6) for the floors.	m3	1.1		
<b>3</b>	<b>Roof</b>				
3.1	Supply materials and construct of latrine roof with zinC including all necessary items and rectangular pipes 3*6 inch.	m2	14		
<b>4</b>	<b>Latrine Wall (Supper Structures)</b>				
4.1	Supply materials and costruct supper structures of brick wall 20cm according to the design and instruction of engineering.	m2	60		
<b>5</b>	<b>Plastring</b>				
5.1	Internal & External Plastring for the latrines wall , privicy wall , and partions. Cement mortar, mix 1:6 2cm thickness.	m2	120		
<b>6</b>	<b>Painting</b>				
6.1	Internal & External Painting for the latrines wall , privicy wall ,and partions with pomastic painting, with three coats.	m2	120		
<b>7</b>	<b>Doors and windows</b>				
7.1	Provide and install sky light (0.3*0.3m) with mesh at back window of the latrines.	pcs	4		
7.2	Supply and install 4new doors with 20cm mesh on the top of the door for lighting. Door size (1.0 * 2.0m) with oil painting of all doors both sides, with three coats.	pcs	4		
	<b>Total cost SDG</b>				
	<b>VAT 17%</b>				
	<b>Total cost SDG with VAT</b>				
	<b>Total USD</b>				



Supper structural plan

Pit latrine plan

Roof structural plan

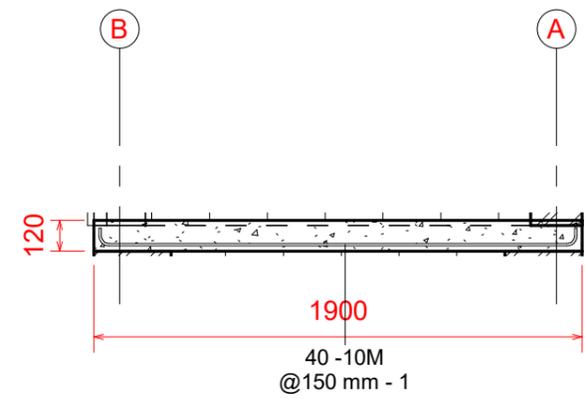
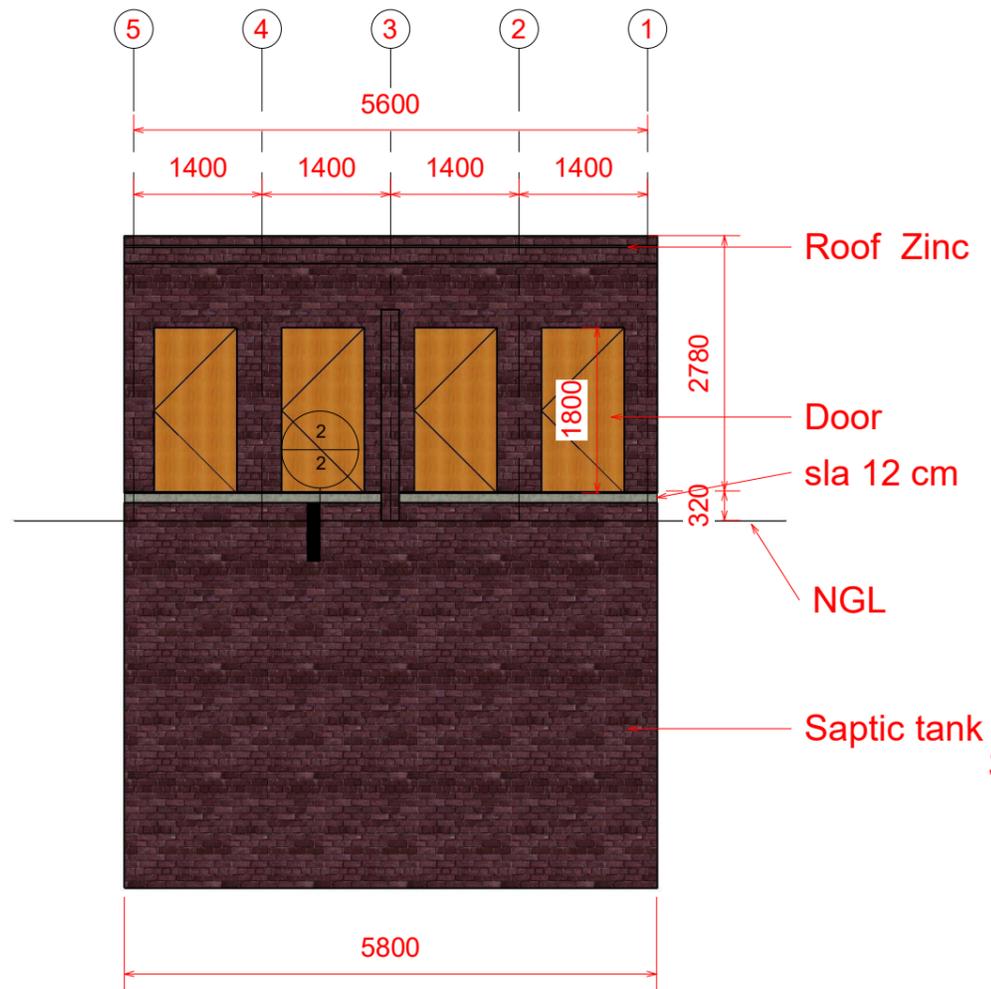


No.	Description	Date
1	Revision 1	Date 1

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00000

Top views

Project number	9	S.1
Date	000	
Drawn by	0000	Scale
Checked by	Checker	
		1 : 70



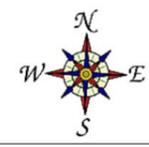
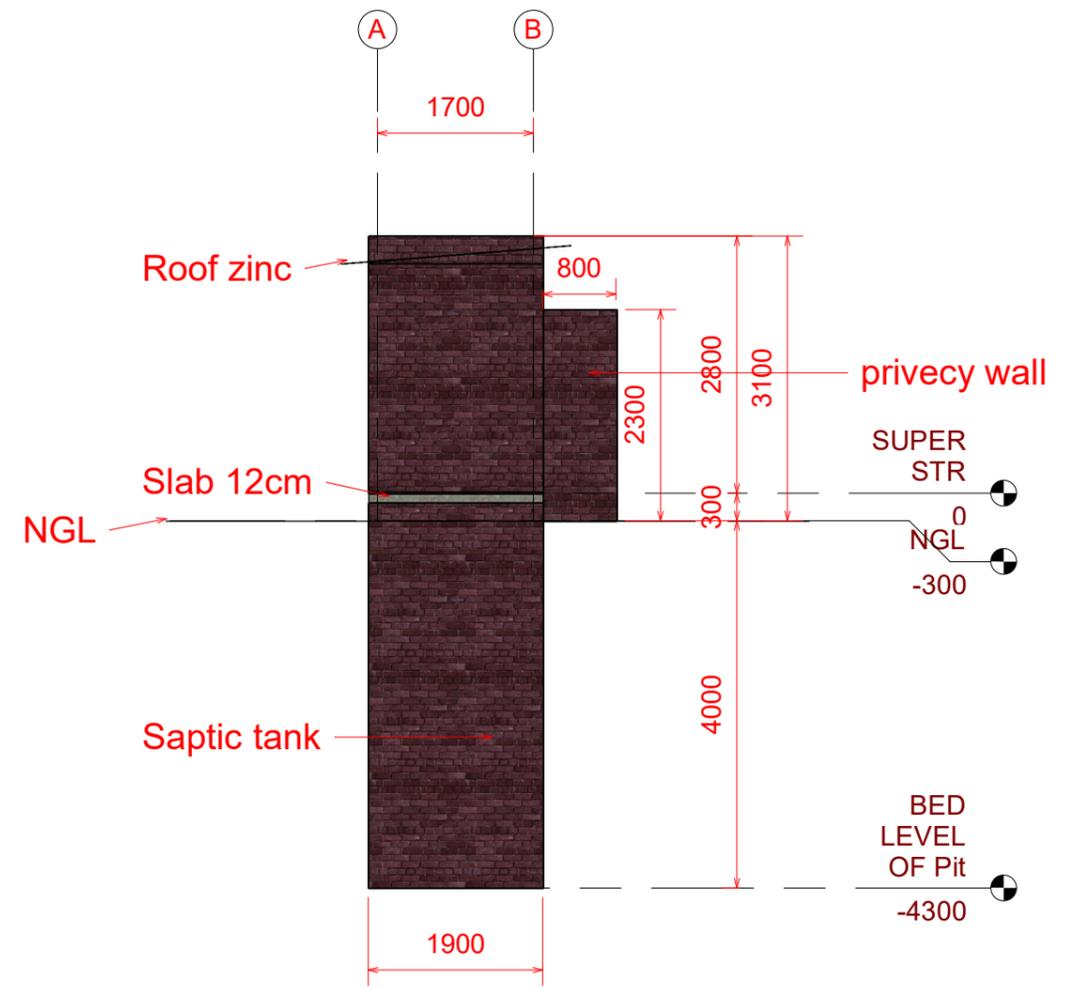
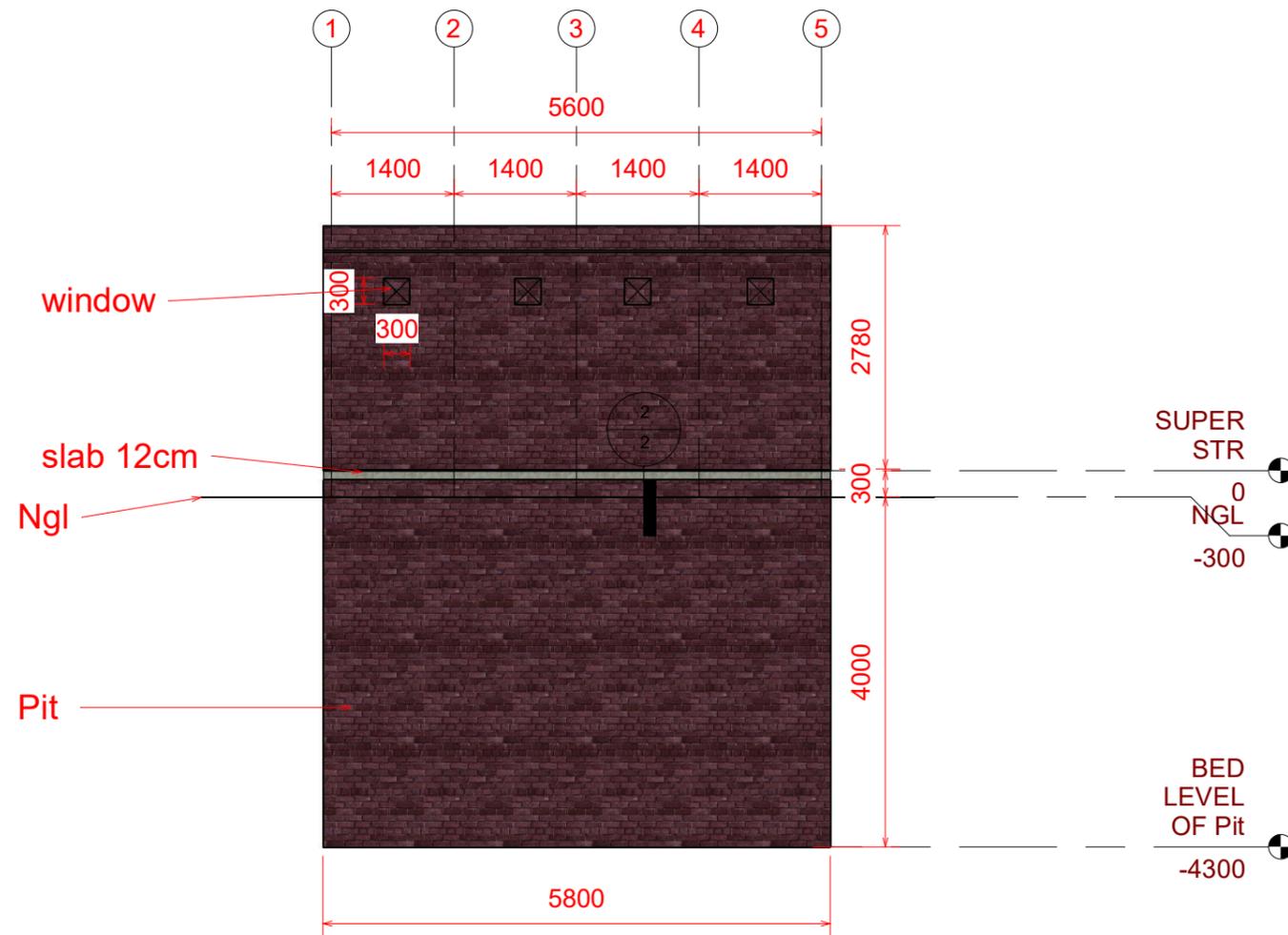
Section of slab show the rebar disterbution

Elevation for doors



No.	Description	Date

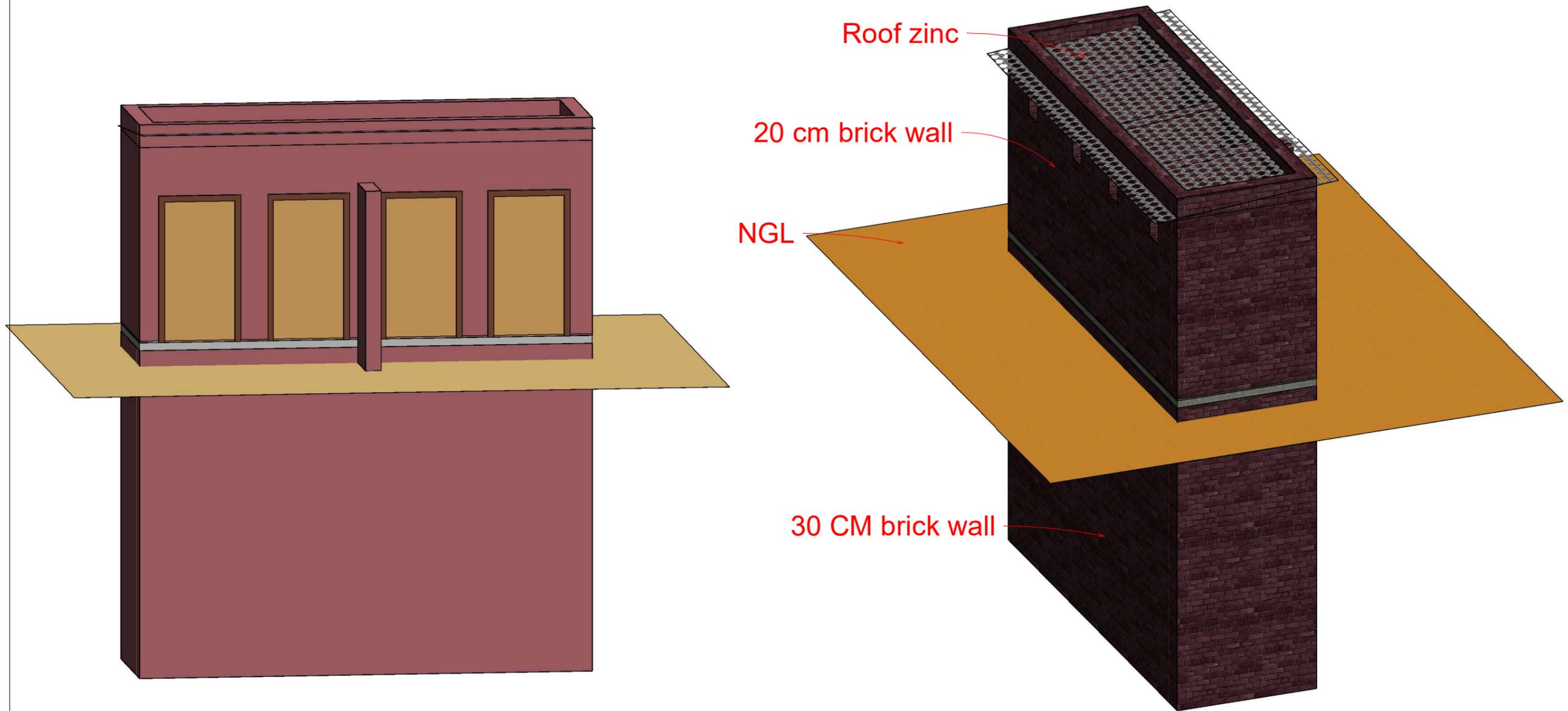
0000	elevation	
00000	Project number 9	2
	Date 000	
	Drawn by Mercy corps	
	Checked by Checker	
	Scale	As indicated



No.	Description	Date

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00000

ELEVATIONS		
Project number	9	<b>S.7</b>
Date	000	
Drawn by	Author	
Checked by	Checker	
Scale		1 : 70



Prespective view of latrine



No.	Description	Date

0000	3D	
00000	Project number	9
	Date	000
	Drawn by	GALAL ABDALLAH
	Checked by	Checker
		Scale
		S.8

**Mercy Corps - Gadarif State Office**

**Bill of Quantities for elevated water tank**

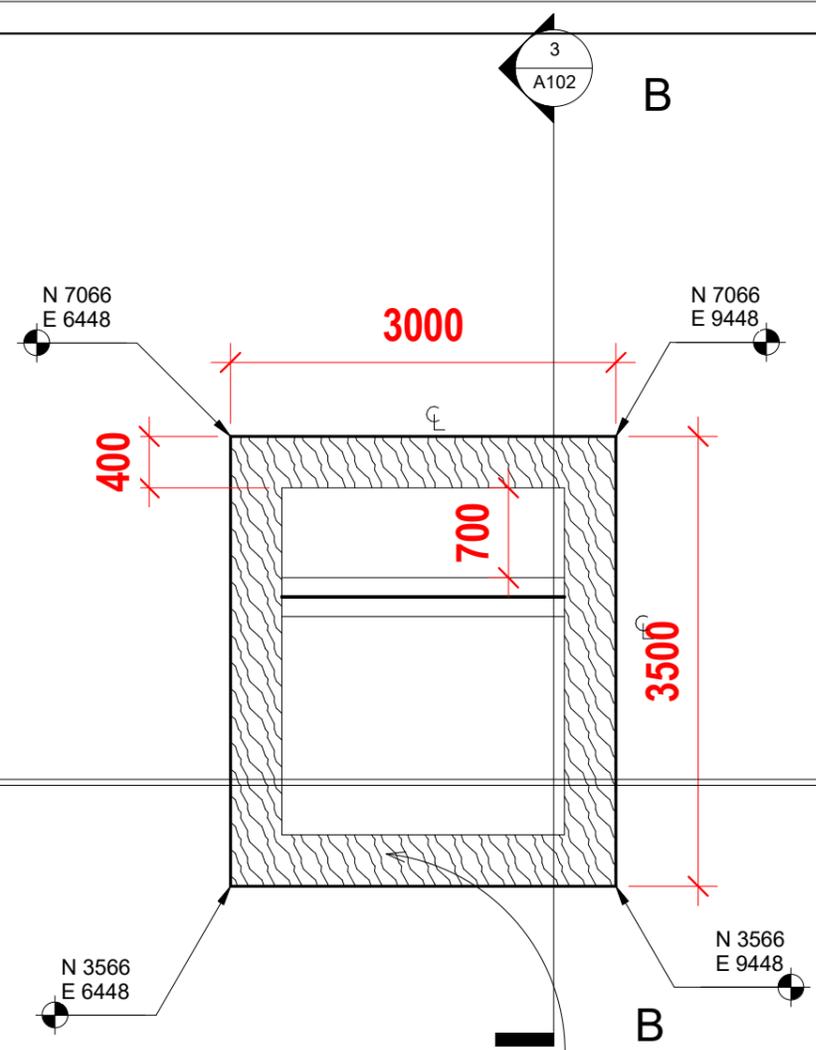
<b>Project name:</b> ECW		WASH construction of elevated water tank			
<b>Project Location:</b>		Babikri camp - Basund			
GPS: N 13 0 43		E 35 45 43			
<b>1</b>	<b>New construction of elevated water tank</b>	<b>UoM</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1.1</b>	<b>Excavation works</b>				
1.1.1	A. Foundation: Digging tranch 0.7x0.5x11 , compact the foundation, fill the foundation with small pices of STONE with Morter 1:6 up to 50 cm.	M3	4		
<b>1.2</b>	<b>Tie beam works</b>				
1.2.1	0.4x 0.5 x 11, 0.2m under ground and 0.2m above NGL , with reinforce bar #12 two in bottom and two in the top, holding the 12 mm rebar with 6 mm rebar mix 1:2:4 this item include labor and materials, and transportation .minimum water curing is 7 days .	m3	2.2		
<b>1.3</b>	<b>Wall works</b>				
1.3.1	Raise the wall with 2.5 brick, all around and <b>internal wall</b> up to 50cm above Ground level , then fill the space between walls with crushed stone and bricks with good compaction with mix mortar 1:6. This work include labor, materials, and transportation .	m2	11		
<b>1.4</b>	<b>Slab works</b>				
1.4.1	Construct the slap concrete based on design and specification <b>2.5 x 3x 0.15 m</b> . with rebar #12 @20 both sides , cm.mix 1:2:4 , minimum water curing is 14 days. all these works include materials , labor and transportation.	m3	1.5		
<b>1.5</b>	<b>Water tank works</b>				
1.5.1	Supply and install 5000L water tank capacity, plastic cylindrical storage water tank (Tiga),mounted on consructed water tank base	pcs	1		
<b>1.6</b>	<b>Electric water pupmp</b>				
1.6.1	Supply and install electrical motore 1 HP for lifting water up to elevated water tank, connect by MCE engineer directions.	pcs	1		
<b>1.7</b>	<b>Water connections</b>				
1.7.1	Supply and fix 1" PPR pipes from main pipline to 5000L elevated water tanks and then to latrines, water drinking points and hand wash facility, including all necessary fittings , valve1" and taps 1".The price should include the digging and back filling works for constructing the pipe line (0.4*0.5cm) filled with sand 15 cm top and botumm .this item include labor and materials and transportation .	ML	78		
	<b>Sub Total cost SDG</b>				
	<b>VAT 17%</b>				
	<b>Total cost SDG</b>				
	<b>Total cost USD</b>				



ECW project  
Babikri camp

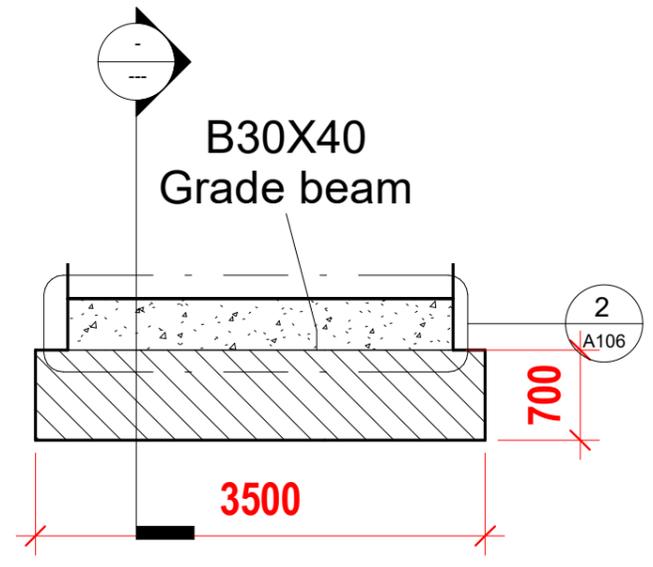
Top views & sections

Elevated water  
tank tower foundation

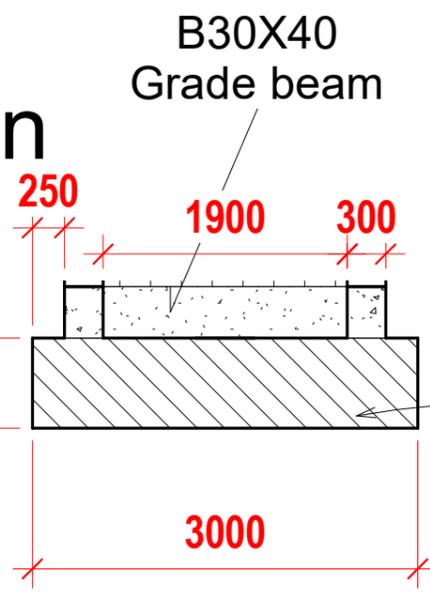


# Foundation plan

1 Foundation  
1 : 50



3 Section B-B for Foundation  
1 : 50



2 Section A-A For foundation  
1 : 50

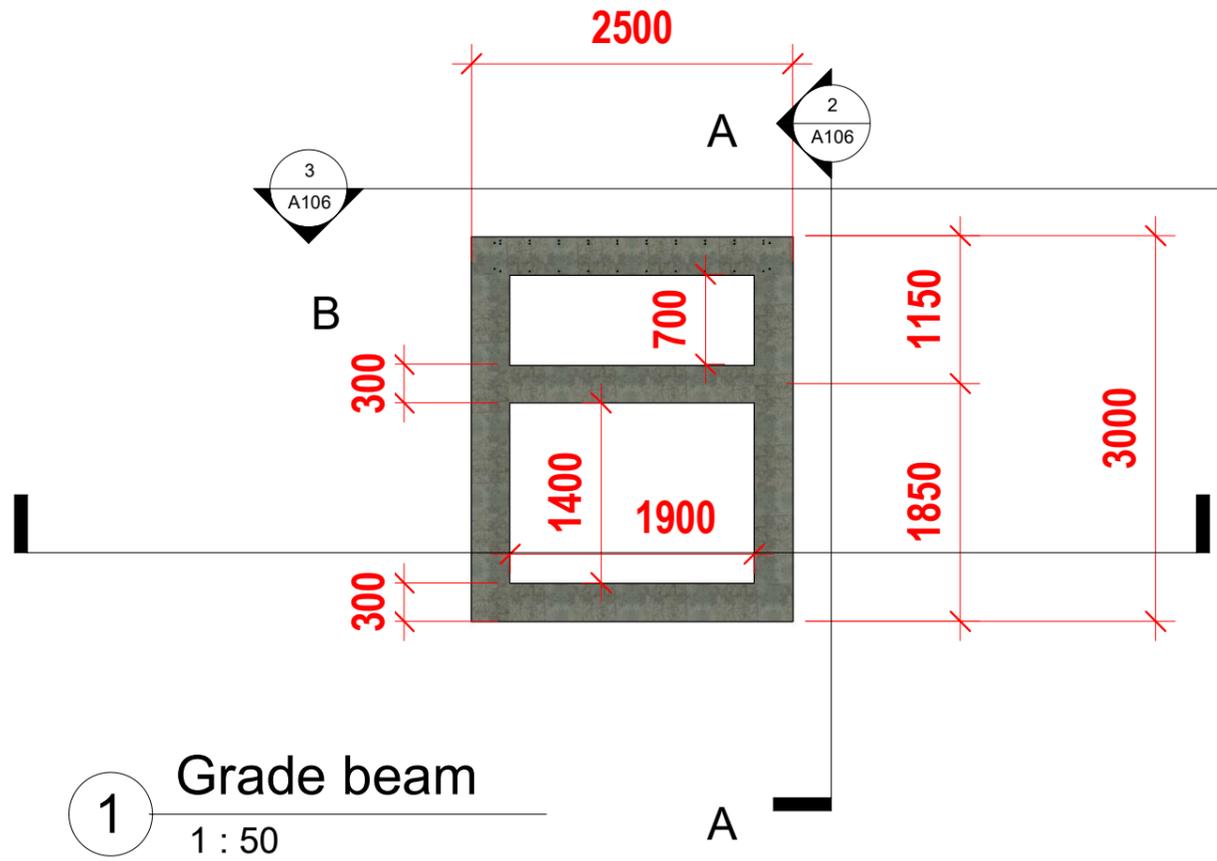
foundation from stone with mortar  
70 cm Depth



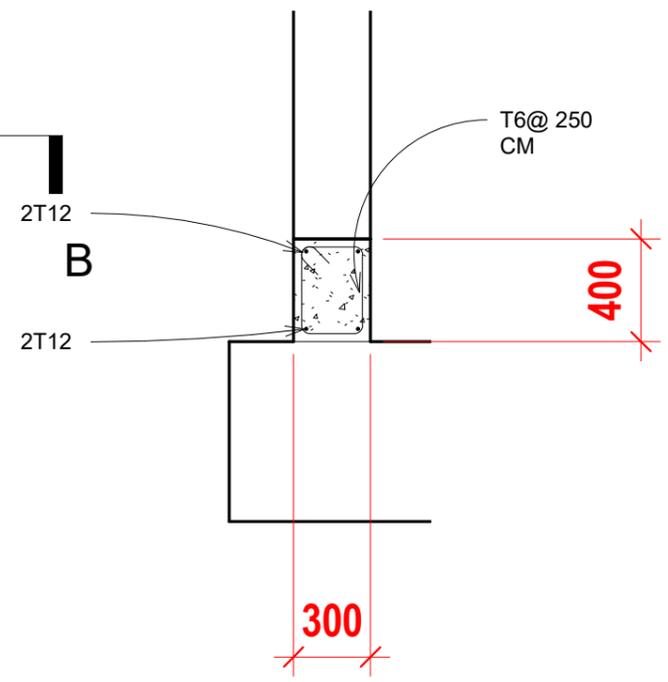
ECW project  
Babikri camp

Top views & sections

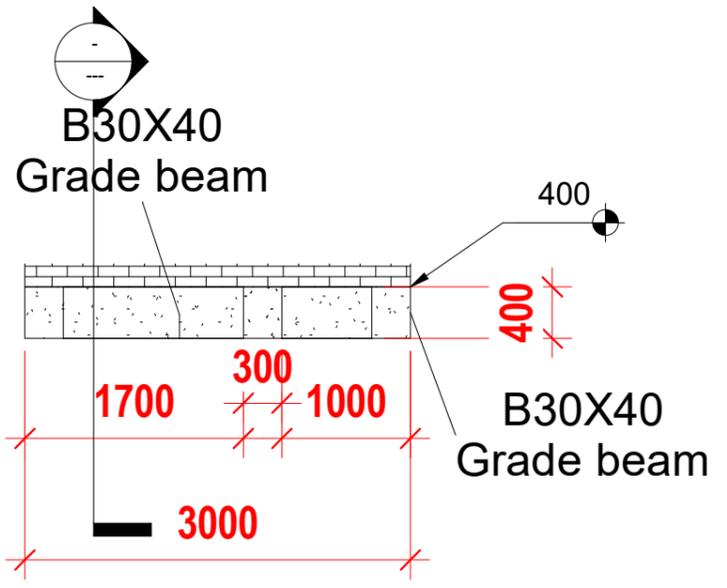
Elevated water tank tower grade beam.



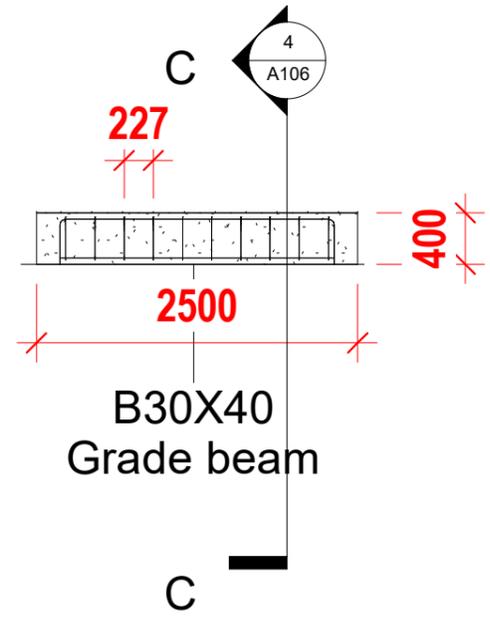
1 Grade beam  
1 : 50



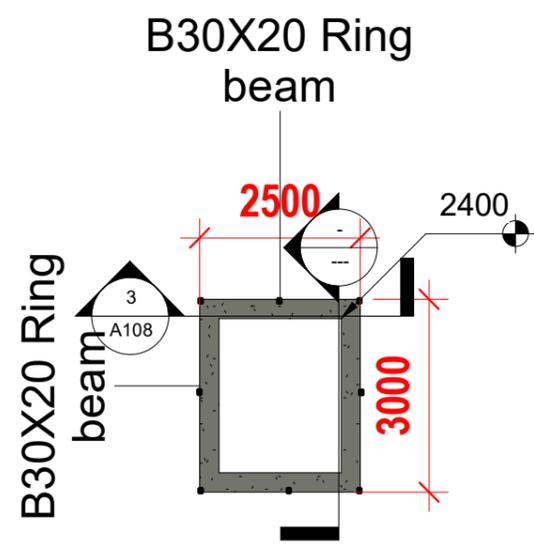
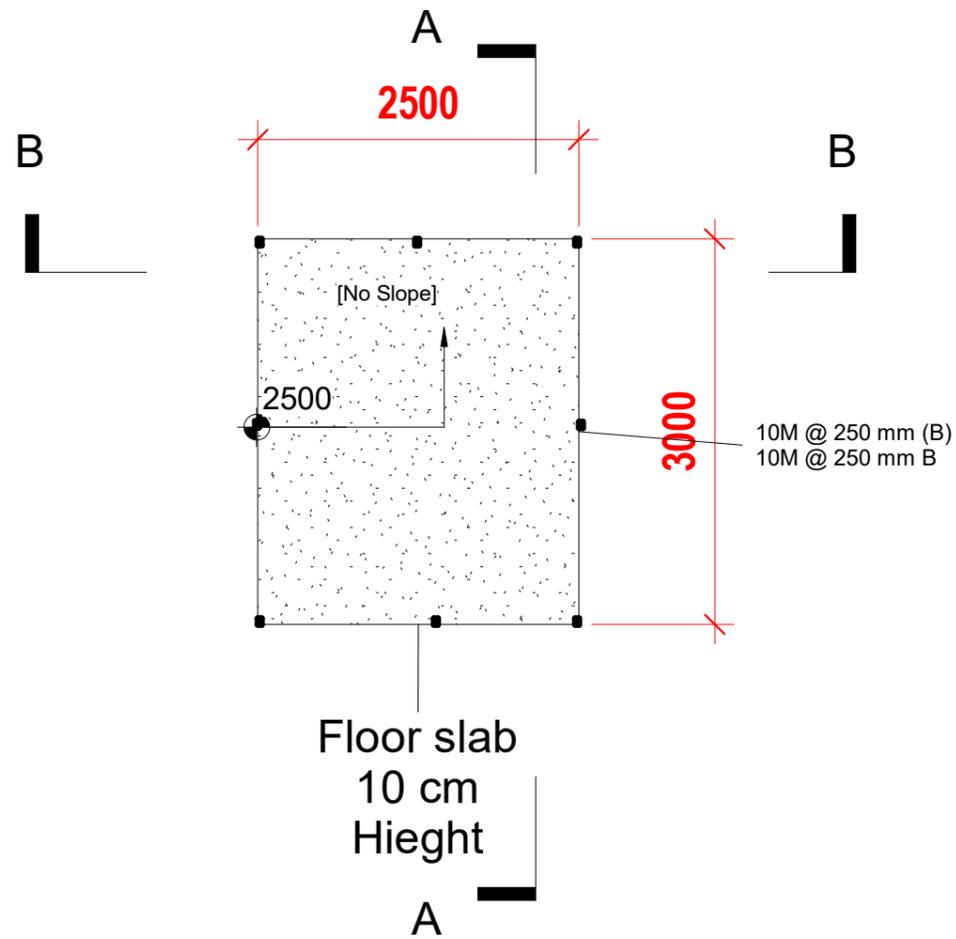
4 Section c-c Beam  
1 : 25



2 Section A-A For grade beam  
1 : 50



3 Section B-B For Grade beam  
1 : 50

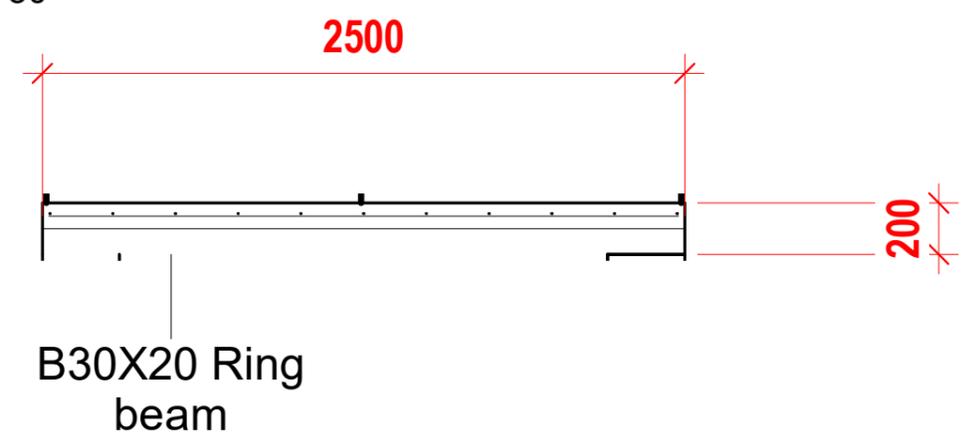


ECW project  
Babikri camp

Top vies & sections

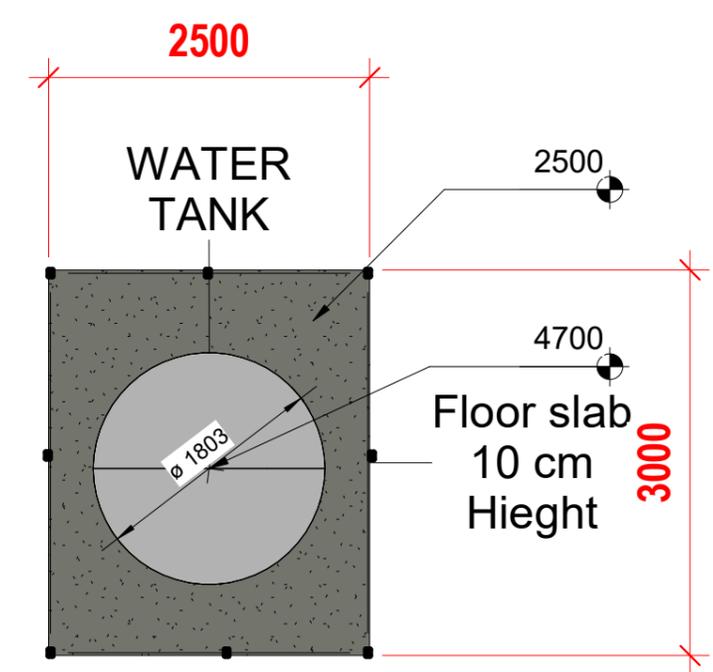
Elevated water tank  
tower slab

1 SLAB ROOF  
1 : 50



3 Section B-B For ring beam  
1 : 25

2 SLAB ROOF Copy 1  
1 : 100



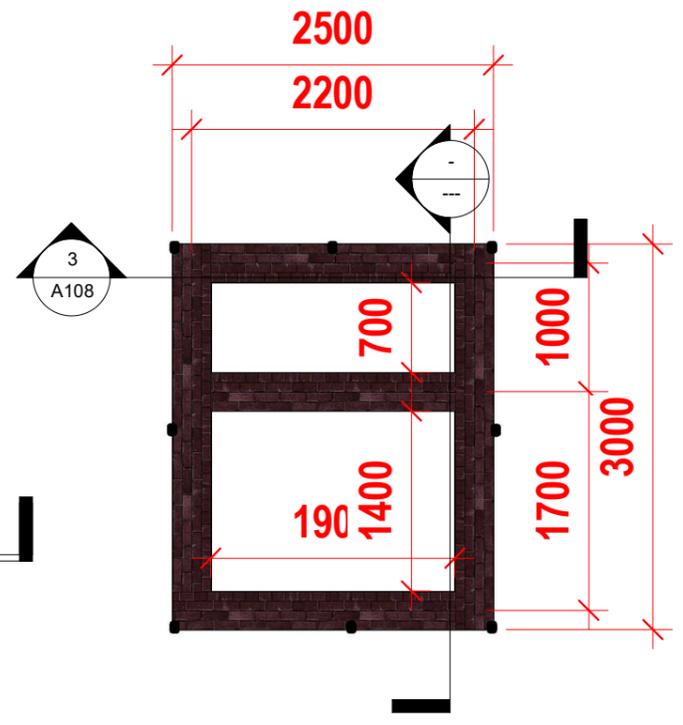
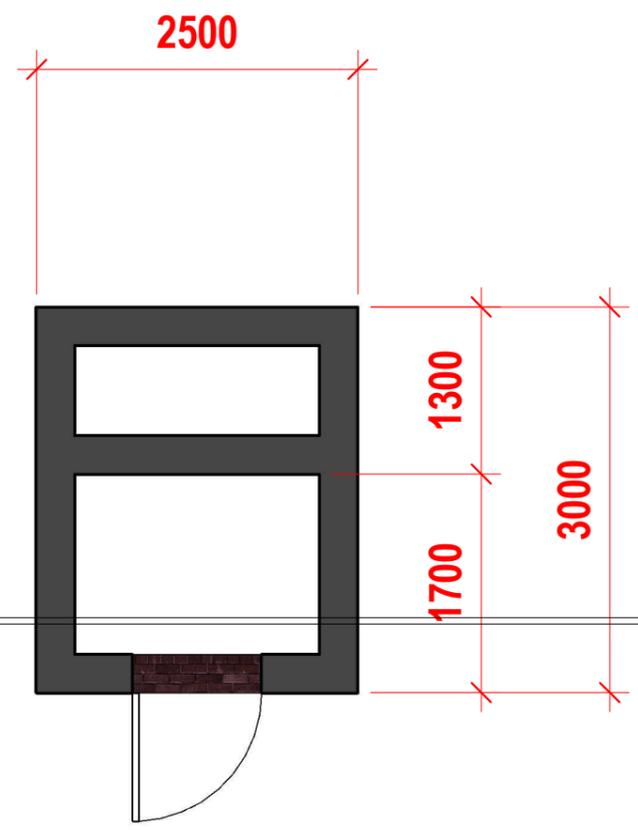
4 WATER TANK  
1 : 50



ECW project  
Babikri camp

Top views & sections

Elevated water tank tower wall



1 WALL BOT  
1 : 50

1.5 Brick For Wall

2 WALL  
1 : 50

SLAB ROOF  
2500

SLAB ROOF  
2500

Grade beam  
Foundation  
-700

WALL BOT  
400  
Foundation  
-700

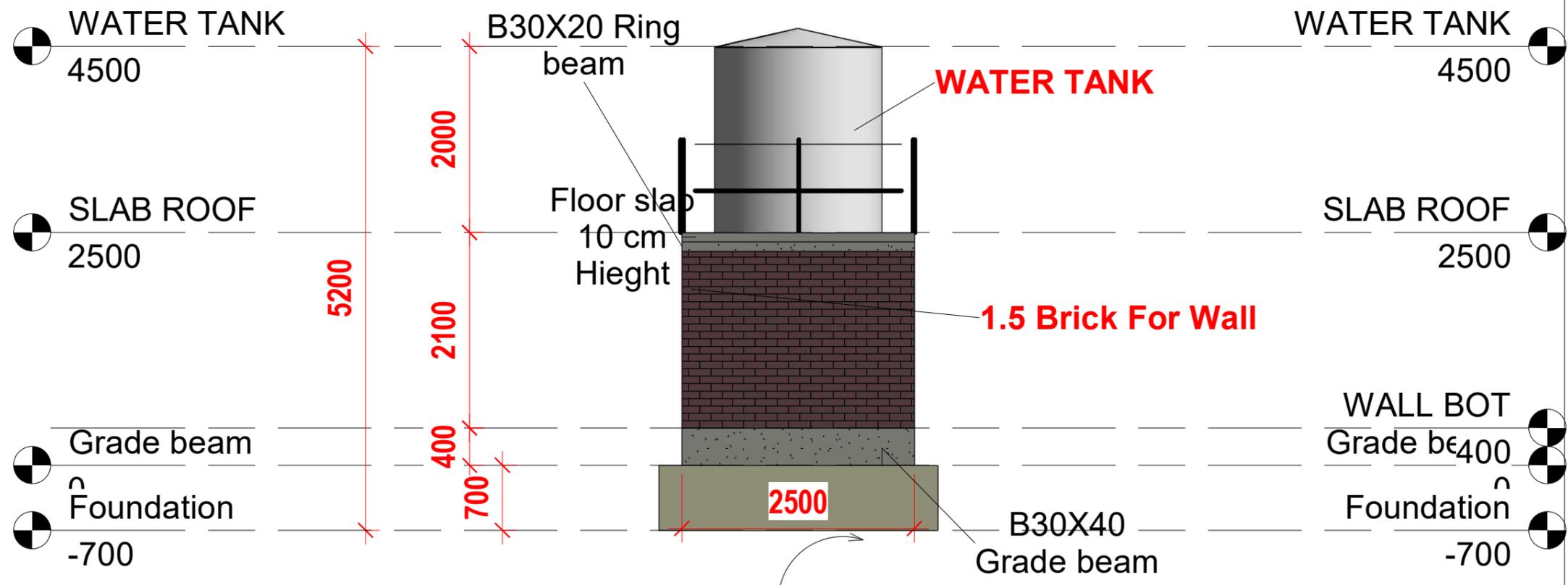
3 BEAM AND WALL SECTION  
1 : 50



ECW project  
Babikri camp

Side view

Elevated water  
tank & tower



North  
1 : 50

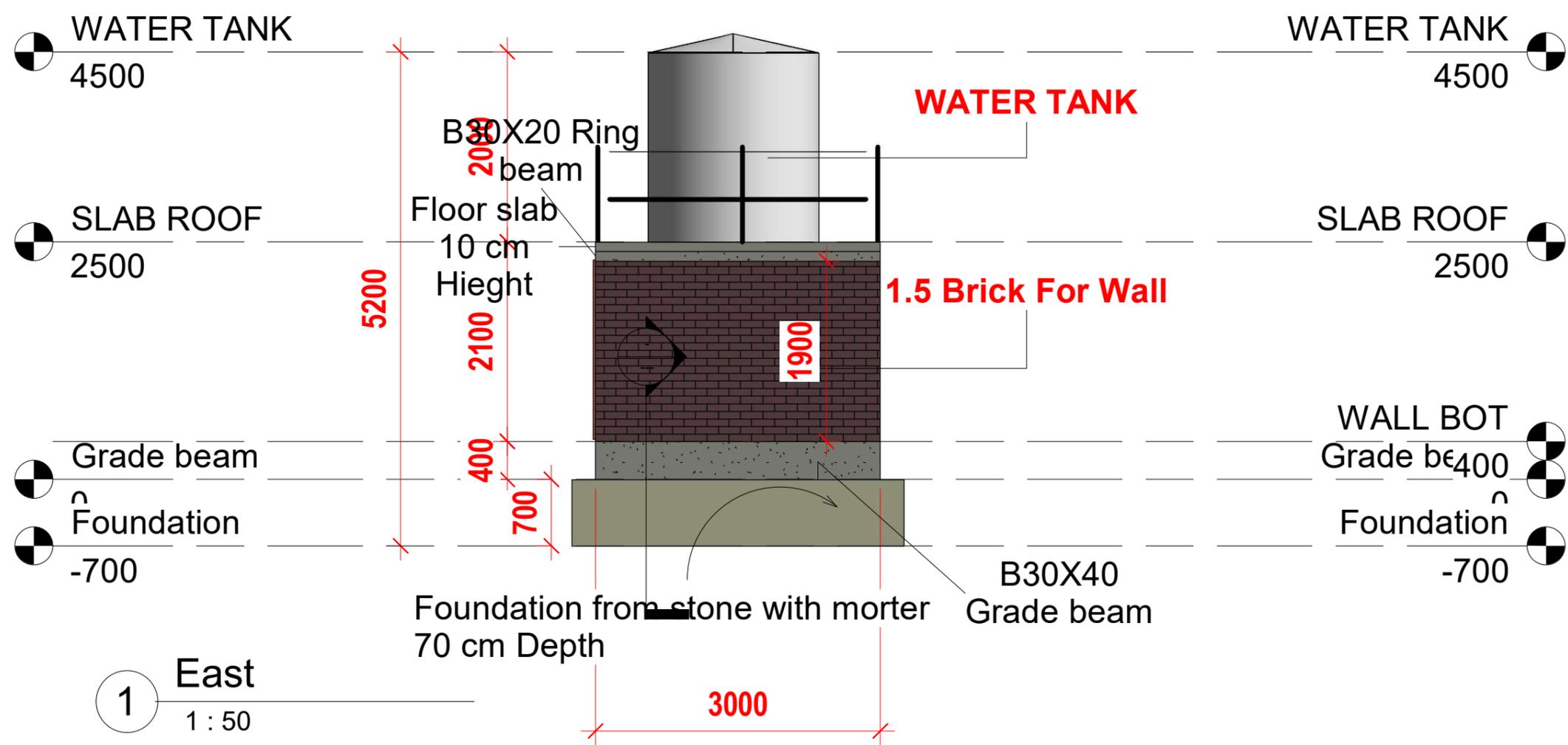
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ECW project  
Babikri camp

Side view

Elevated water  
tank & tower



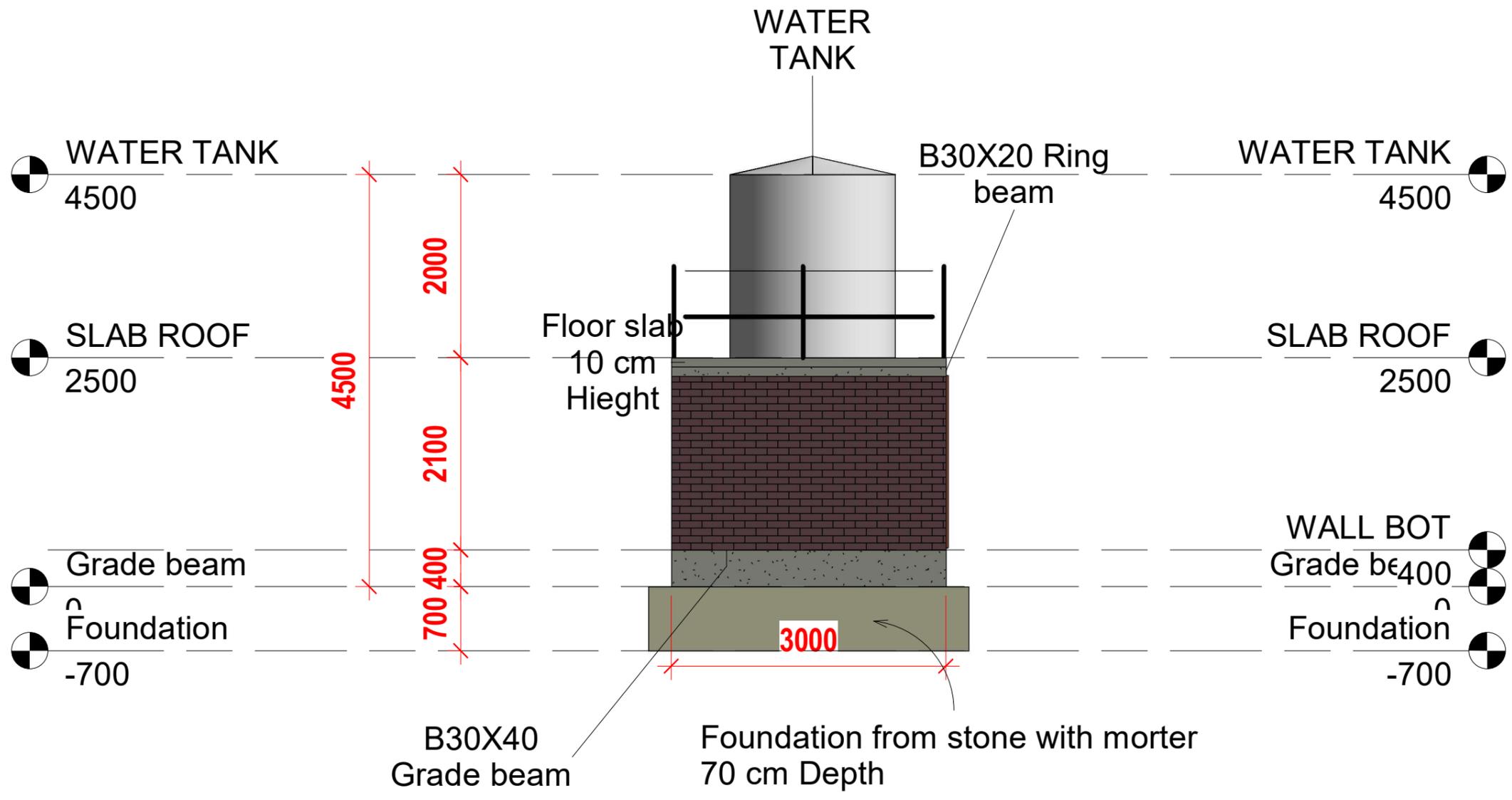
1 East  
1 : 50



ECW project  
Babikri camp

Side view

Elevated water tank & tower



1 West  
1 : 50

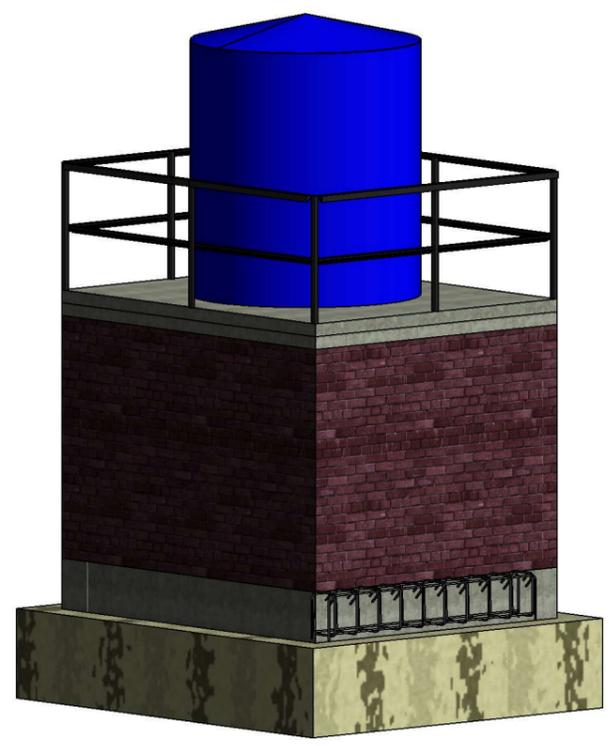




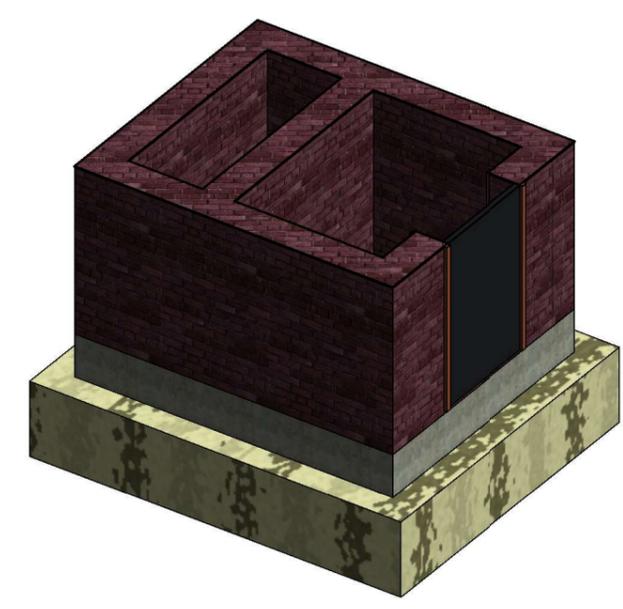
ECW project  
Babikri camp

Prospective view

Elevated water tank  
& tower



1 {3D}



2 3D SECTION

**Mercy Corps - Gadarif State Office**  
**Bill of Quantities for WASH Rehabilitation**

**Project name:**

Rehabilitation Alfaw Hospital

**Project Location:**

Alfaw City - Alfaw Locality

GPS: N 13 0 43

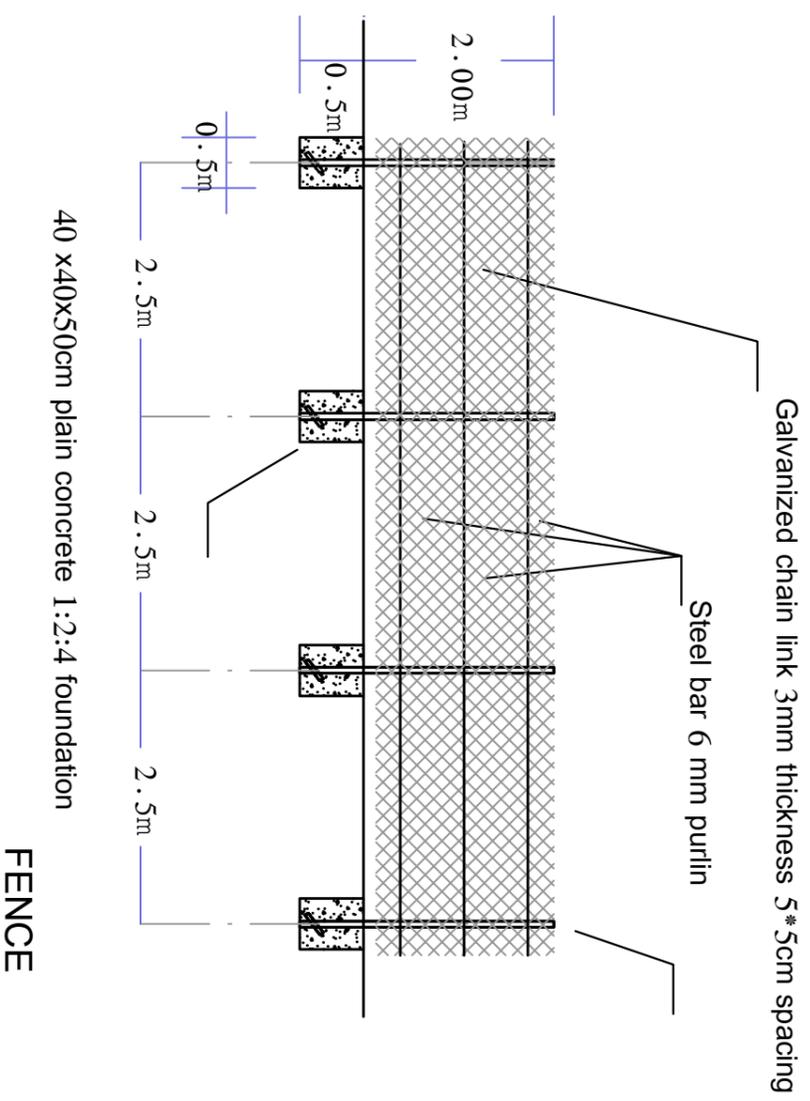
E 35 45 43

**This is the second BOQ for extra WASH rehabilitation in Al Faw kidney center**

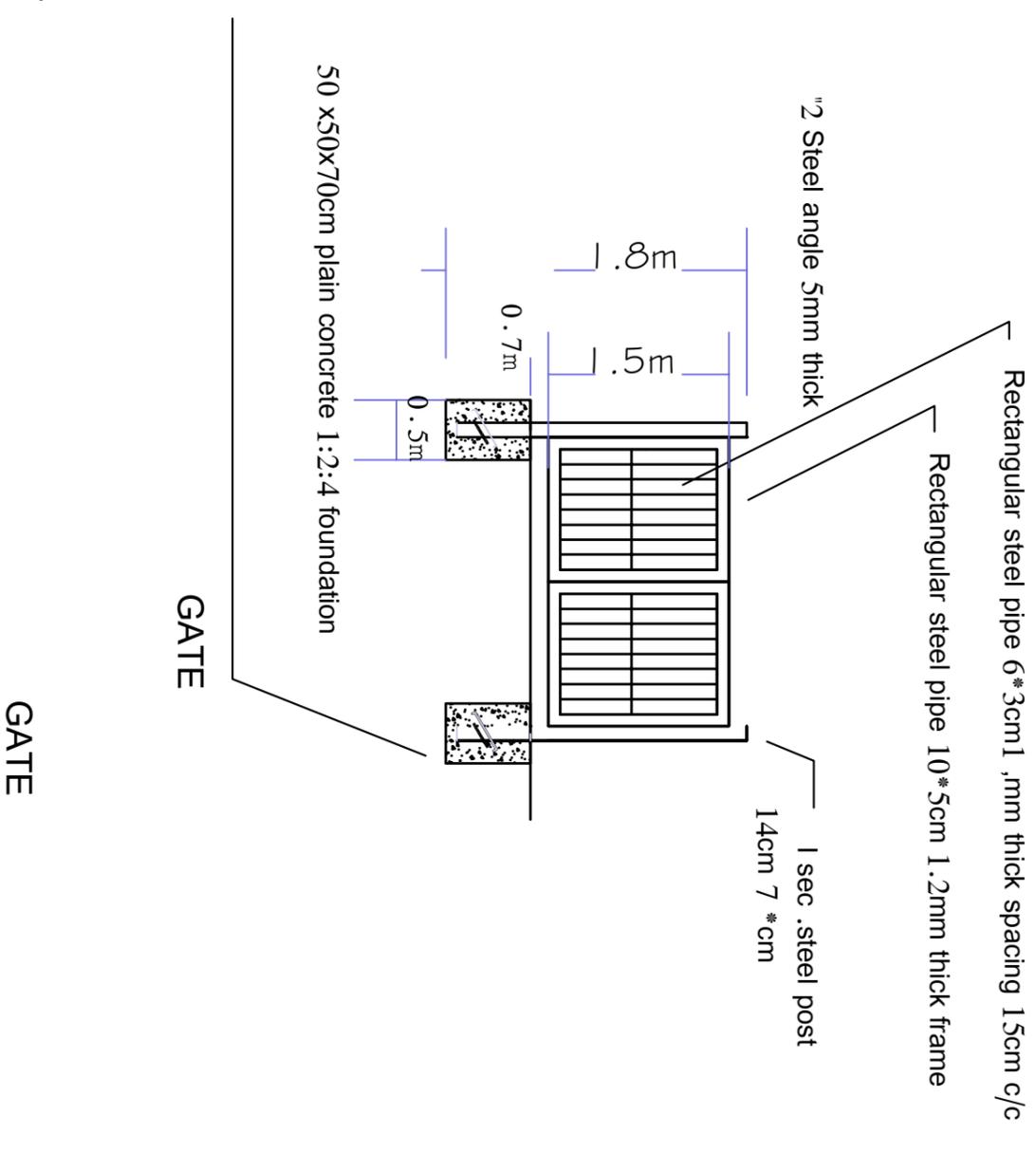
No	Items Description	Unit	Qty	Unit cost SDG	Total cost
<b>1</b>	<b><u>New construction of Fence :</u></b>				
1.1	<b>pillars works:</b>				
1.1.1	Digging rectangular hole 0.4x0.4x0.5, then install 2"x4" steel box 2.5 hight all around the fence 40mx25m with pouring plain concrete mix 1:3:6 to fix the pillars .	NO	51		-
	B. install steel bar 3mm by welding to hold the pillars together strating from 0.5m above NGL, three layers all around the fence prameter .	ML	381		-
	Provide materials and fix Galvanize chain link 3mm thickness (5x5cm) spacing .	m2	280		-
<b>2</b>	<b><u>Gate works</u></b>				
2.1	<b>pillars works</b>				
2.1.1	<b>A.</b> Foundation: Digging rectangular hole 0.7x0.5x0.5 , then install 2" steel angle each 3m hight to hold gate frame .	NO	2		-
	Provide materials and fix gate frame with 2"x4" steel box with 6 hings and lock . This works include painting with anti rust and three coats of oil paint.	ML	13		-
	Provide materials and fix mesh 6mm 1.25m width,x2m hight across the frame as shown in design .This works include painting with anti rust and three coats of oil paint.	m2	5		-
	<b>Sub Total cost SDG</b>				-
	<b>VAT 17%</b>				-
	<b>Total cost SDG</b>				-
	<b>Total cost USD</b>				-

**Note : all activities include labor mateials and transportaions**

# FENCE



# FENCE



**Mercy Corps - Gadarif State Office****Bill of Quantities for pre- school WASH Construction****Project name:** Construction of hand wash facility**Project Location:** Babikri camp - Basunda Locality

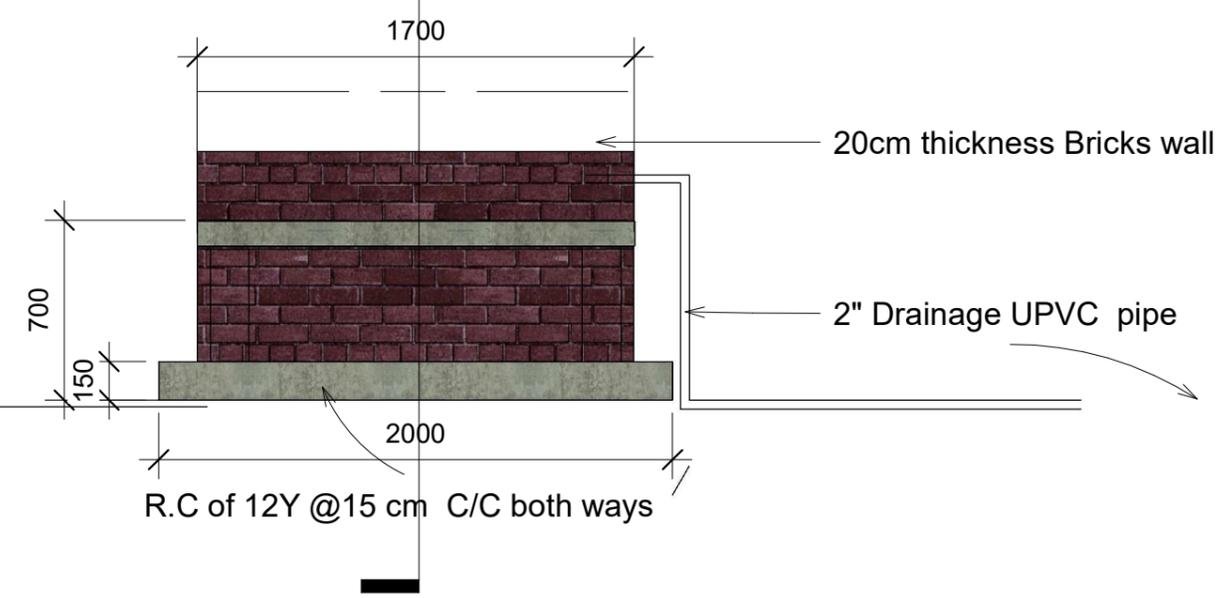
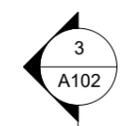
GPS: N 13 0 43 E 35 45 43

No	Items Description	Qty	Unit	Unit cost SDG	Total cost SDG
<b>1</b>	<b>Hand Wash Facilities</b>				
1.1	Supply materilas and construct slab on grade , 15cm hight with rebar 12mm with spacing 15cm each side .	m3	0.5		
1.2	Supply materilas and raise brick wall 20cm thickness according to design .	m2	4		
1.3	Supply materials and install water connection PPR 1/2" with 4 press taps with all nessory fittings .	ML	5		
1.4	Supply materials and install drainge system PVC 3/4" with 4 press taps with all nessory fittings .	ML	5		
	<b>Total cost in SDG</b>				
	<b>17% VAT</b>				
	<b>Total cost in SDG with VAT</b>				
	<b>Total cost in USD</b>				

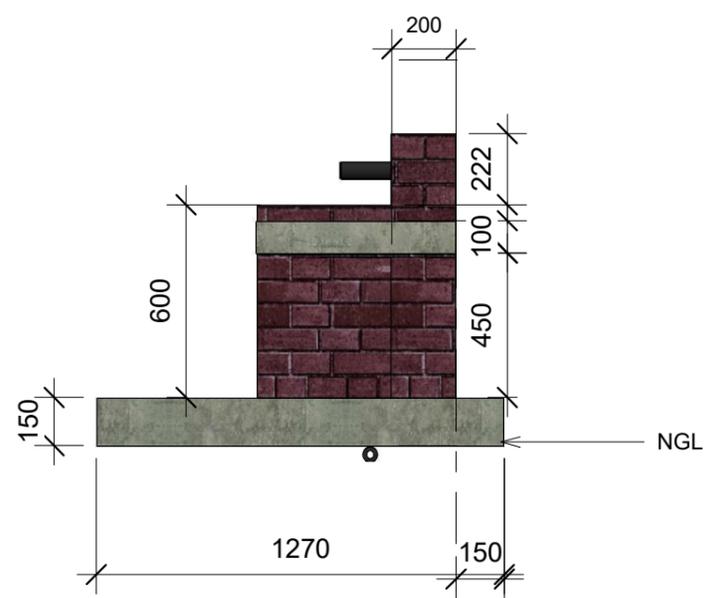


ECW priject  
Babikri campamp  
Hand wash facility for pre school

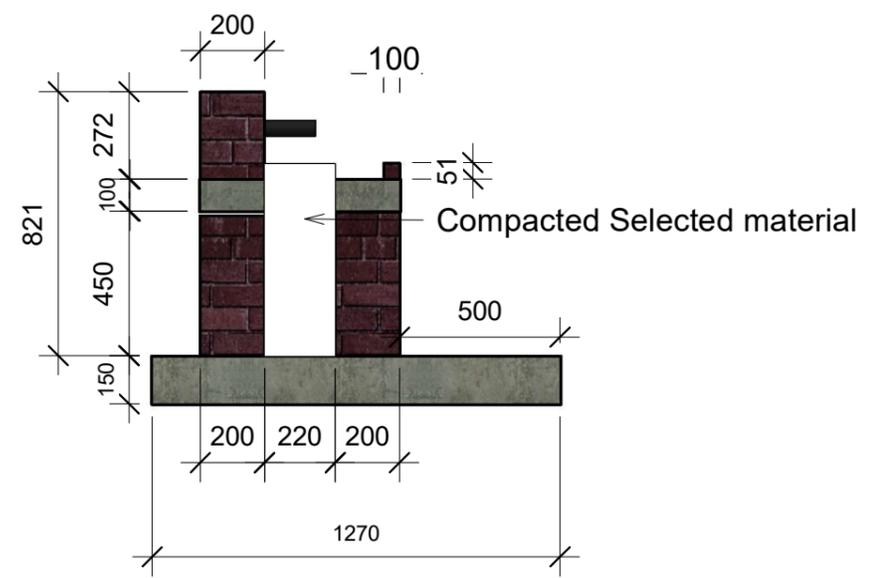
Side views and sections



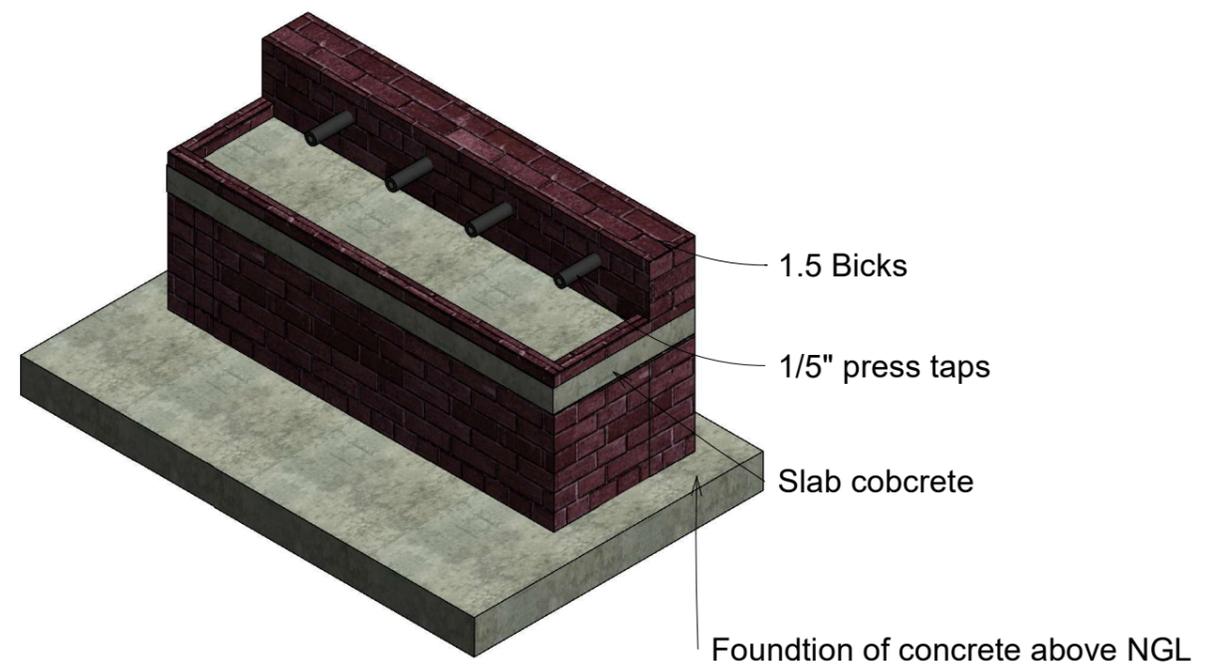
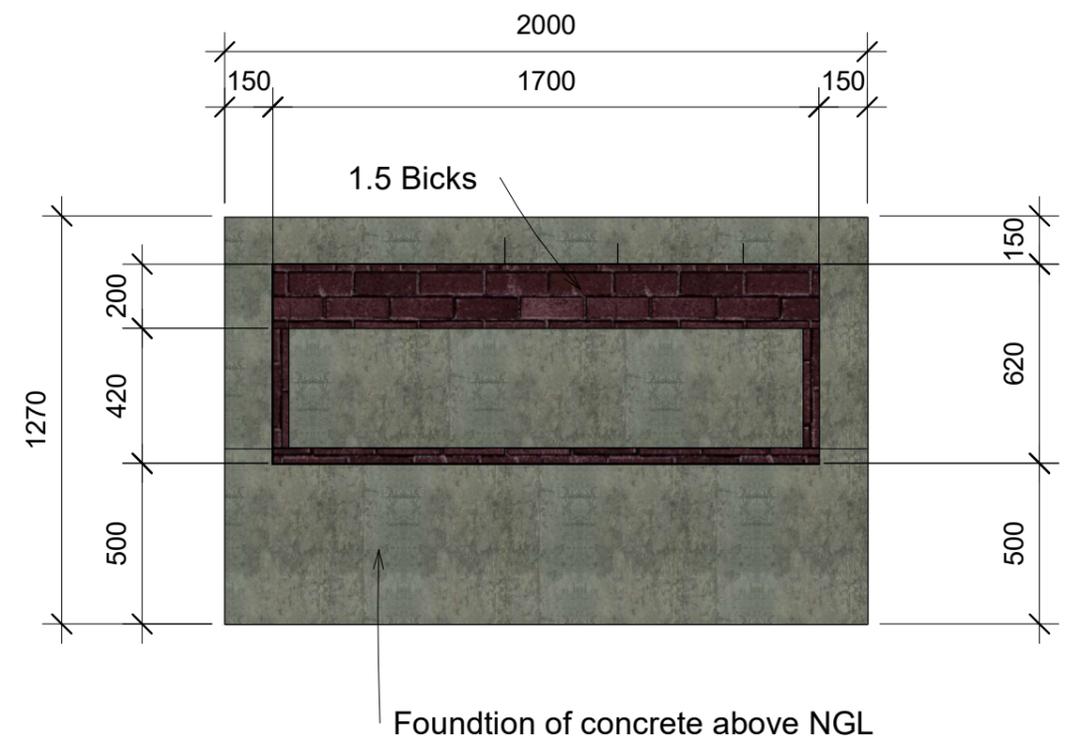
Side view of hand wash facility



Side view of hand wash facility



Section 3-3



3D VIEW

ECW priject

Babikri camp

Hand wash facility for pre school

3D views and top view

**Mercy Corps - Gadarif State Office**

**ECW Project: Kidney Center**

**Date: 11/08/22**

**Bills of Quantities for pre-school in babikry camp**

**Program name:** ECW

**Project Location:** Basunda locality - Gedaref State

**GPS N: 13 0 43 E: 35 45 43**

**Babikry camp**

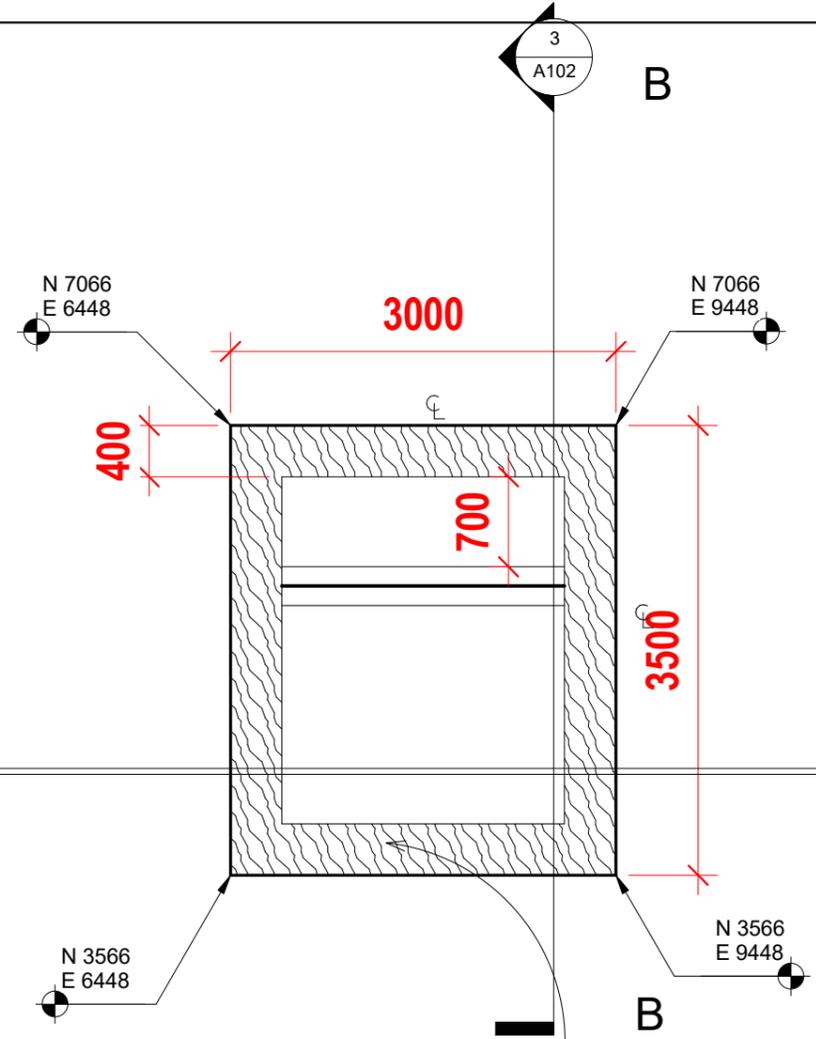
Item	Description	Unit	Quantity	Unit price in SDG	Total Cost
<b>1</b>	<b>Recreation center</b>				
<b>1.1</b>	<b>Foundation &amp; super structure</b>				
1.1.1	Excavate trench 26 x 0.4 x 0.5 m for foundation	m3	5.5		
1.1.2	Raise the foundation with brick upto surface with 1.5 brick, then raise it to 1 meter high with one brick with mortar 1:6 mix	m2	40		
1.1.3	Install the 10 pillers in designated location and filled up with concrete mix 1:3:6	m3	2		
1.1.4	Pillers are 2 x 4 inch iron box	pcs	10		
1.1.5	Joist all around with 2 x2 inch iron box in each one meter	pcs	9		
1.1.6	Bamboo sheet for all around the center	m2	52		
<b>2.1</b>	<b>Roof</b>				
2.2.1	Supply materials for 4 arc shape design for supper structure based on design with iron box 2x4, plus 1 inch steel pipe for arc with cross in the middle with the remaining part from 2x4 inch iron box and weld another piece of iron pipe to connect all the arcs together.	LS	1		
2.2.2	Install bambo stick every 20 cm one, on the roof and tied with jamacian robbers	pcs	50		
2.2.3	Insatll Shirgani over the bamboo stick	pcs	20		
2.2.4	Plastic sheet over the shirgani	pcs	4		
2.2.5	Apply one coat anti rust and two coat oil paint	LS	1		
<b>3</b>	<b>Play ground equipments including transporation and installation</b>	LS	4		
	<b>Total in SDG for one RC</b>				
	<b>17% VAT</b>				
	<b>Sub-total in SDG for one RC</b>				
	<b>Sub-total in USD for one RC</b>				



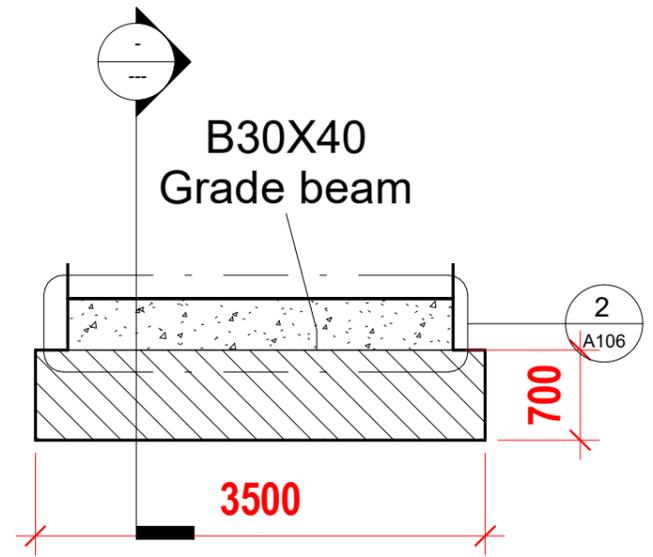
ECW project  
Babikri camp

Top views & sections

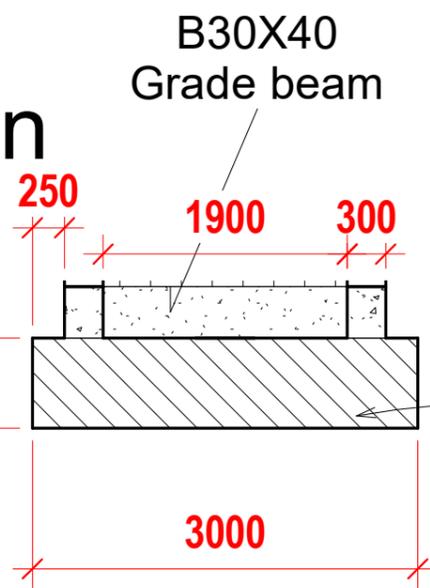
Elevated water  
tank tower foundation



# Foundation plan



Section B-B for Foundation  
1 : 50



Section A-A For foundation  
1 : 50

1 Foundation  
1 : 50

foundation from stone with mortar  
70 cm Depth

A

A

B

B

3

2  
A106

2

STONE WITH MORTER 70 CM  
DEPTH

Foundatio from stone with mortar  
70 cm Depth

B30X40  
Grade beam

B30X40  
Grade beam

3000

400

700

3500

3500

700

250

1900

300

700

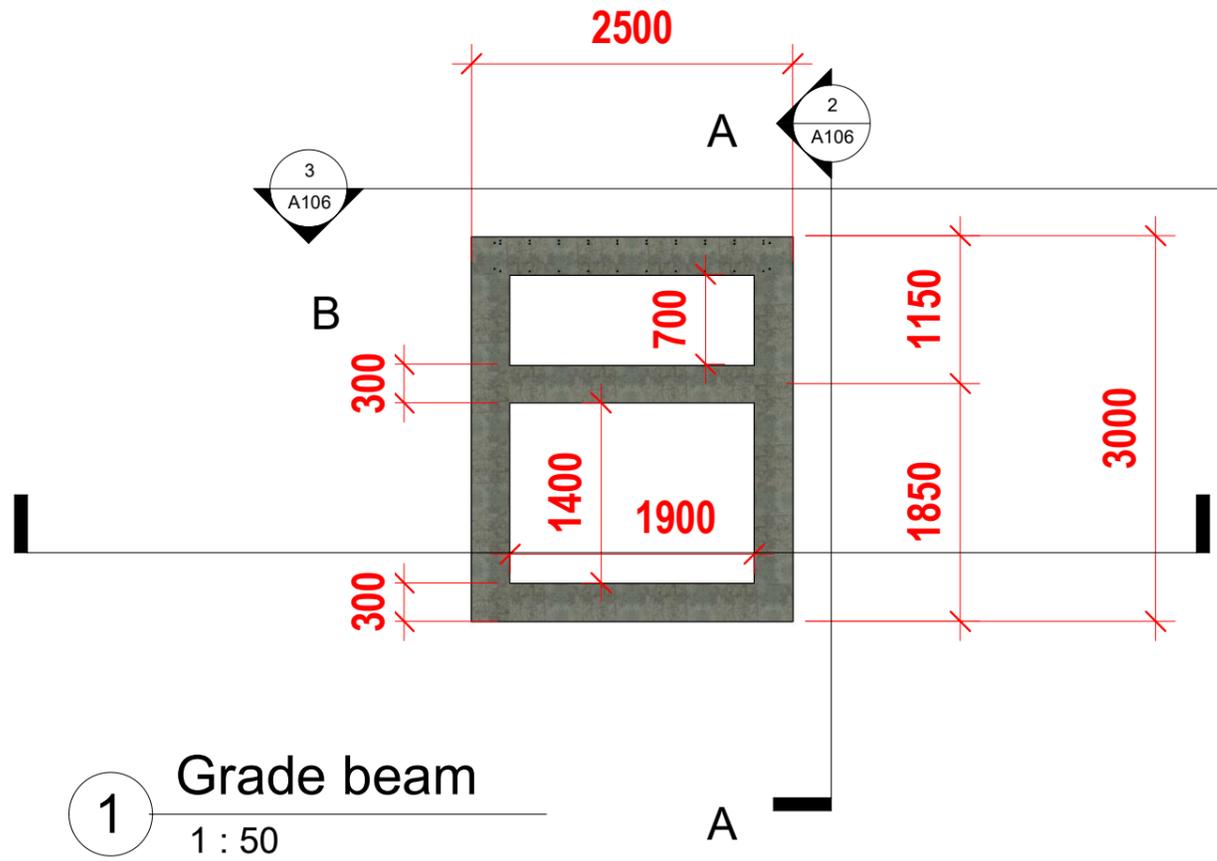
3000



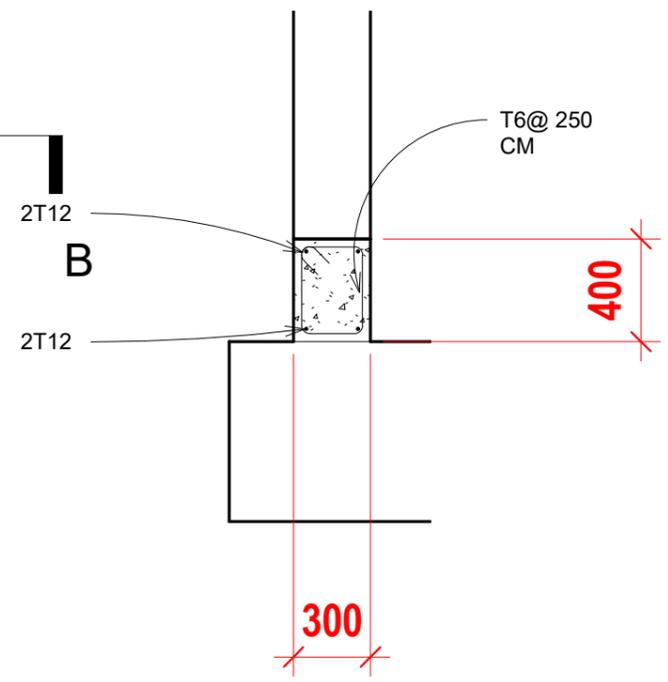
ECW project  
Babikri camp

Top views & sections

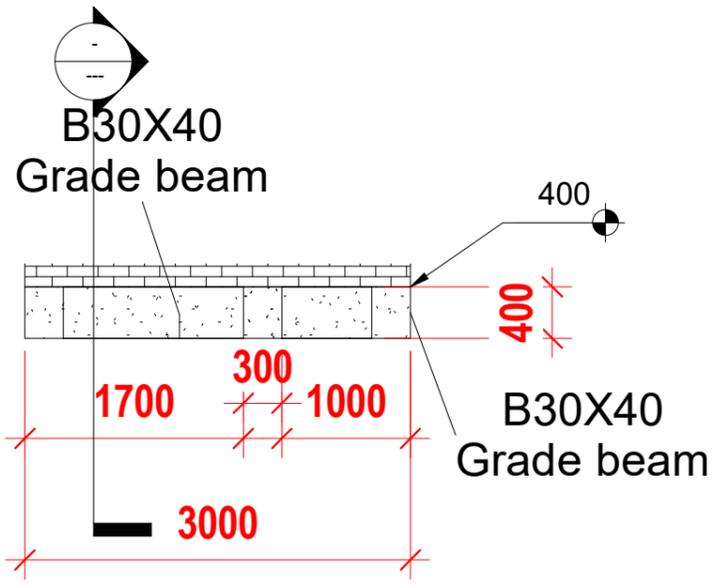
Elevated water tank tower grade beam.



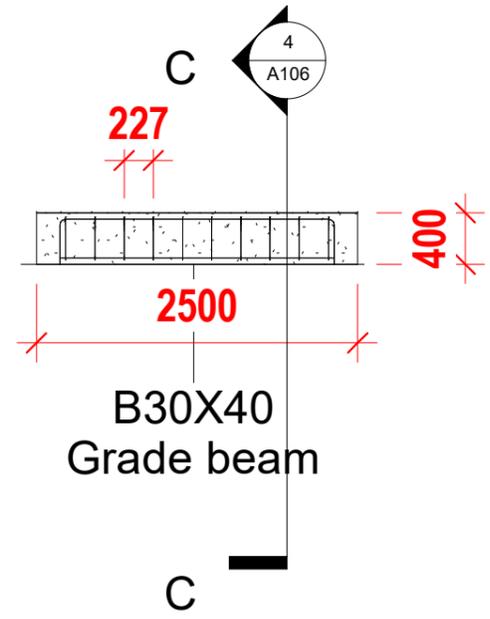
1 Grade beam  
1 : 50



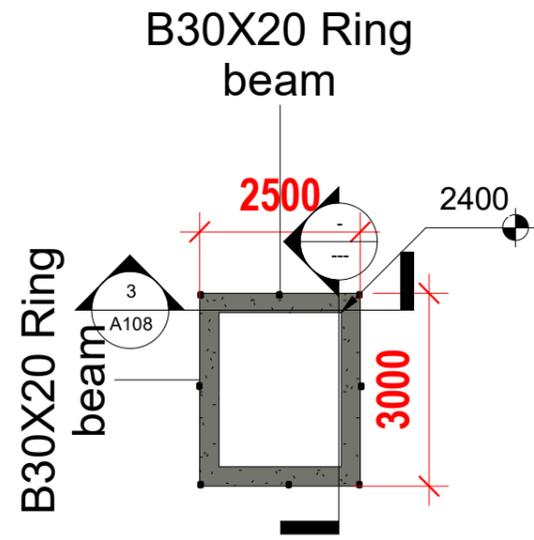
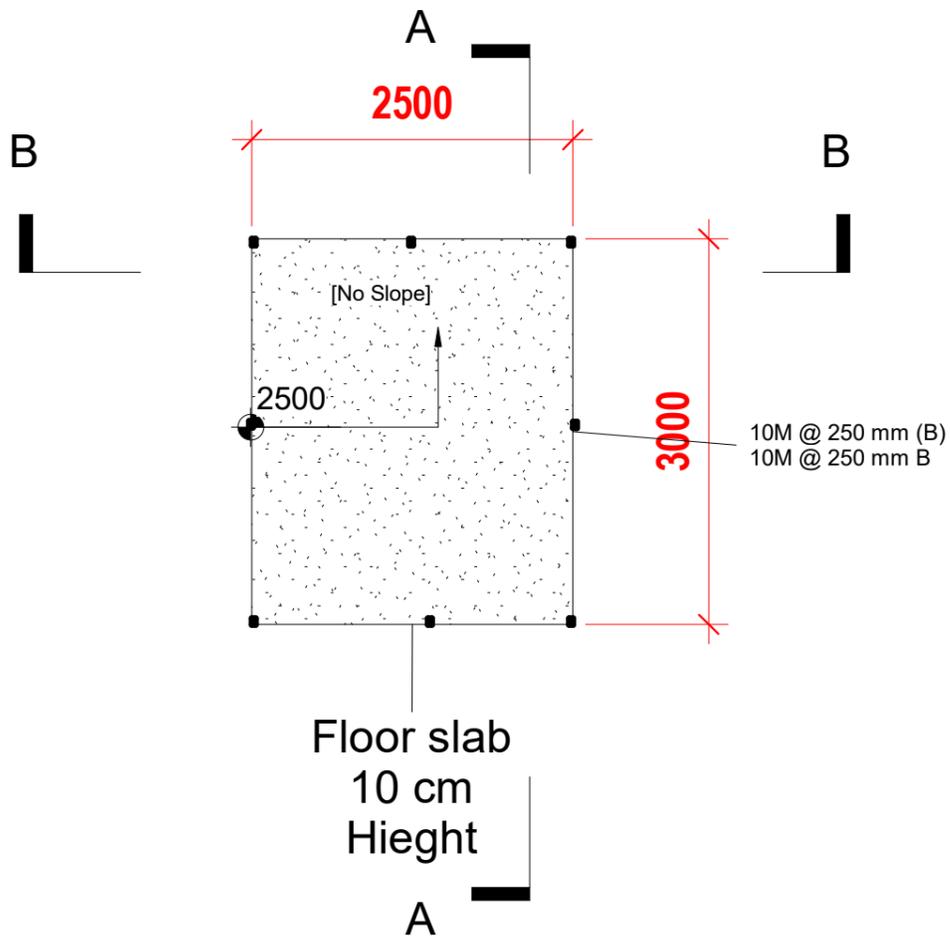
4 Section c-c Beam  
1 : 25



2 Section A-A For grade beam  
1 : 50



3 Section B-B For Grade beam  
1 : 50

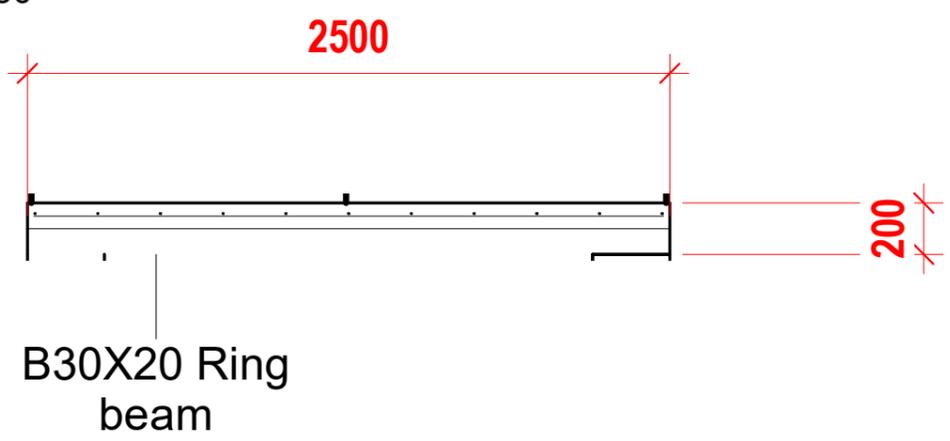


ECW project  
Babikri camp

Top vies & sections

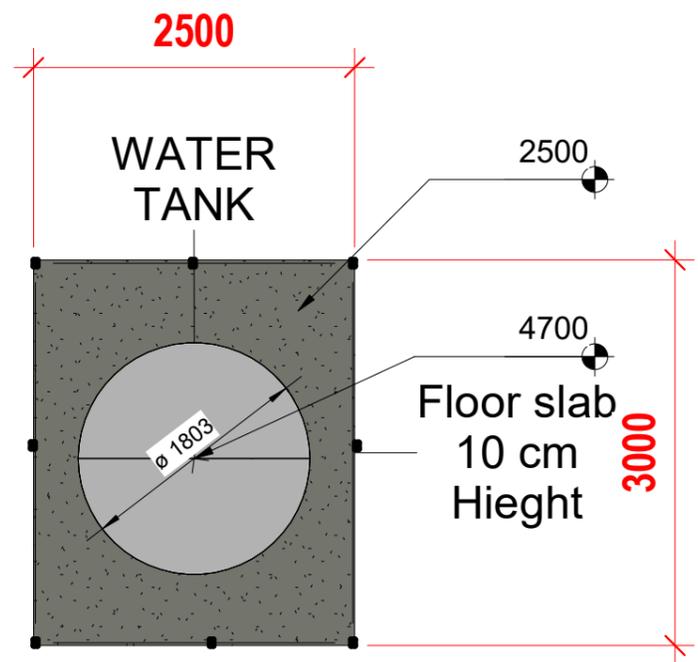
Elevated water tank  
tower slab

1 SLAB ROOF  
1 : 50



3 Section B-B For ring beam  
1 : 25

2 SLAB ROOF Copy 1  
1 : 100



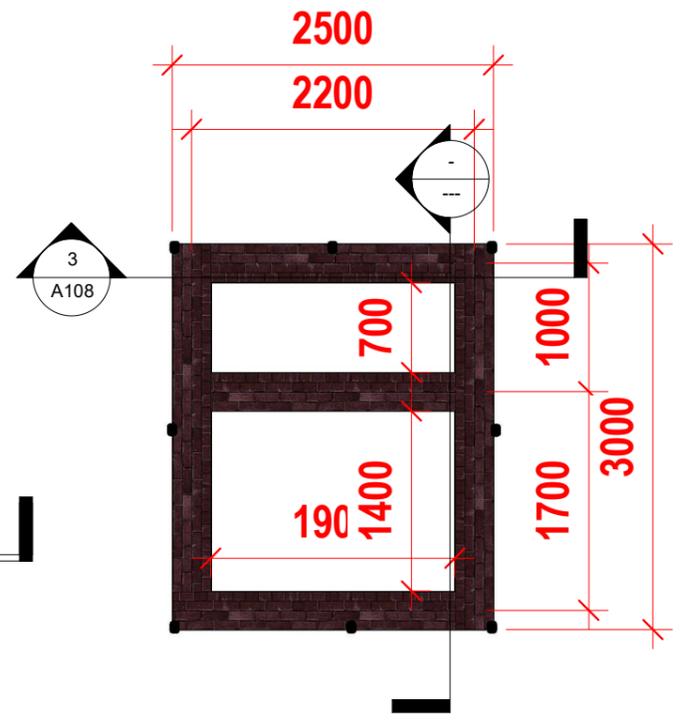
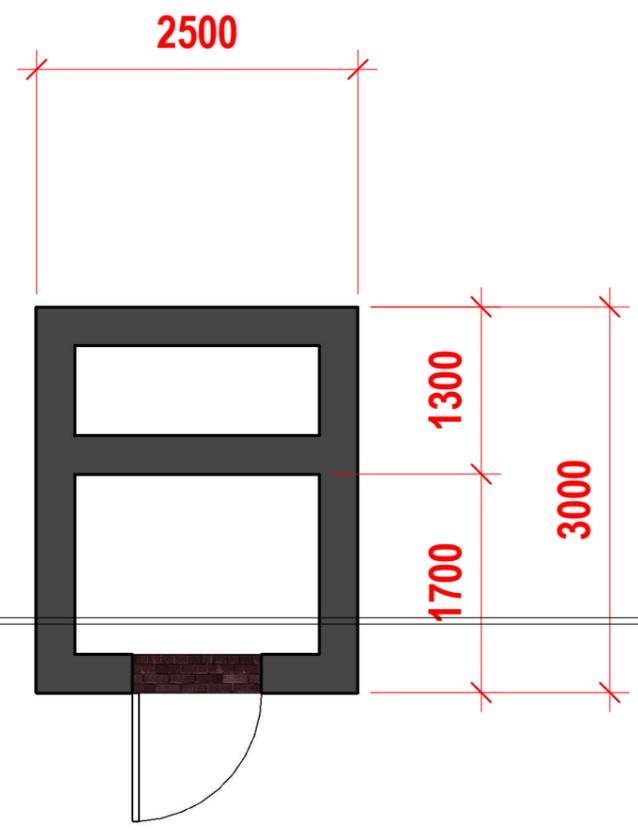
4 WATER TANK  
1 : 50



ECW project  
Babikri camp

Top views & sections

Elevated water tank tower wall



1 WALL BOT  
1 : 50

1.5 Brick For Wall

2 WALL  
1 : 50

SLAB ROOF  
2500

SLAB ROOF  
2500

Grade beam  
Foundation  
-700

WALL BOT  
400  
Foundation  
-700

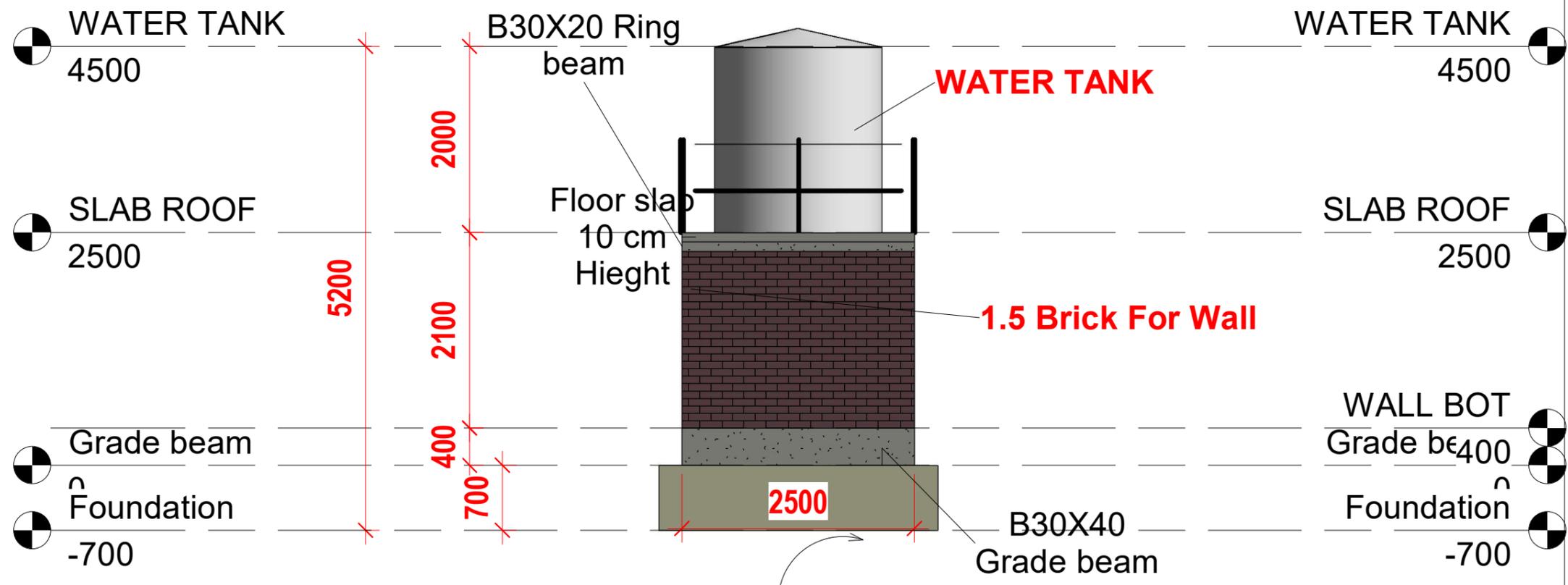
3 BEAM AND WALL SECTION  
1 : 50



ECW project  
Babikri camp

Side view

Elevated water  
tank & tower



1

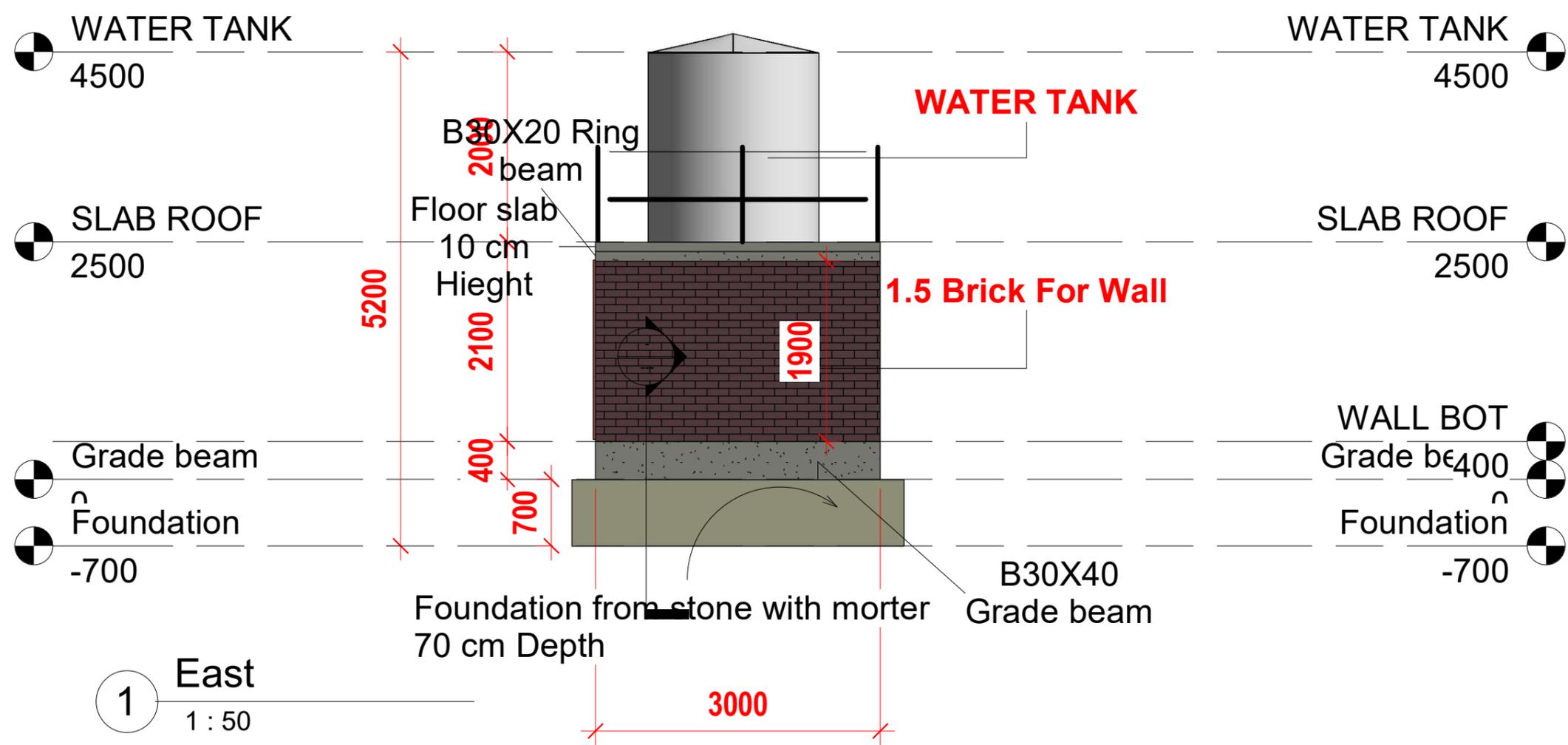
North  
1 : 50



ECW project  
Babikri camp

Side view

Elevated water  
tank & tower

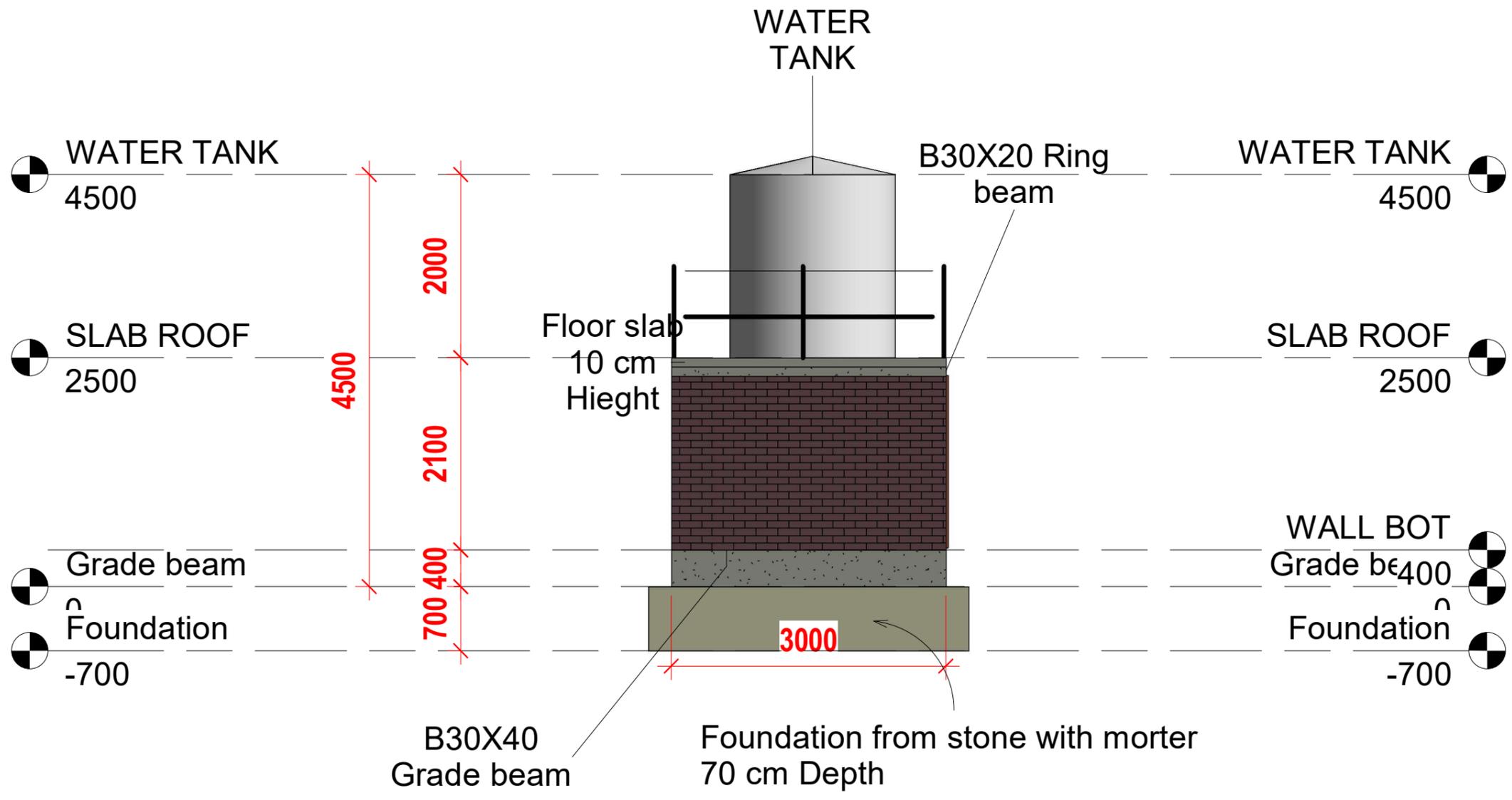




ECW project  
Babikri camp

Side view

Elevated water  
tank & tower



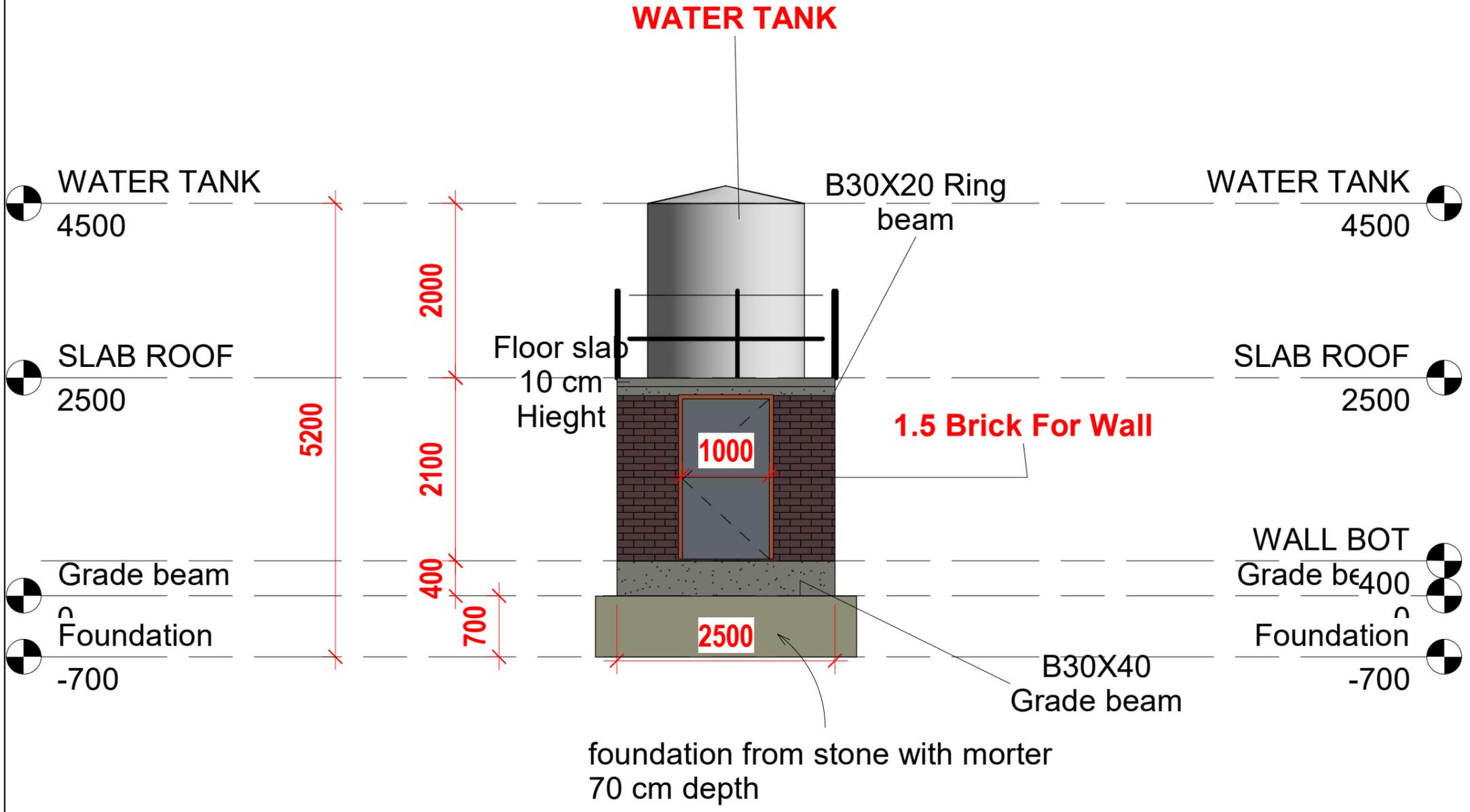
1 West  
1 : 50



ECW project  
Babikri camp

Side view

Elevated water tank & tower



1

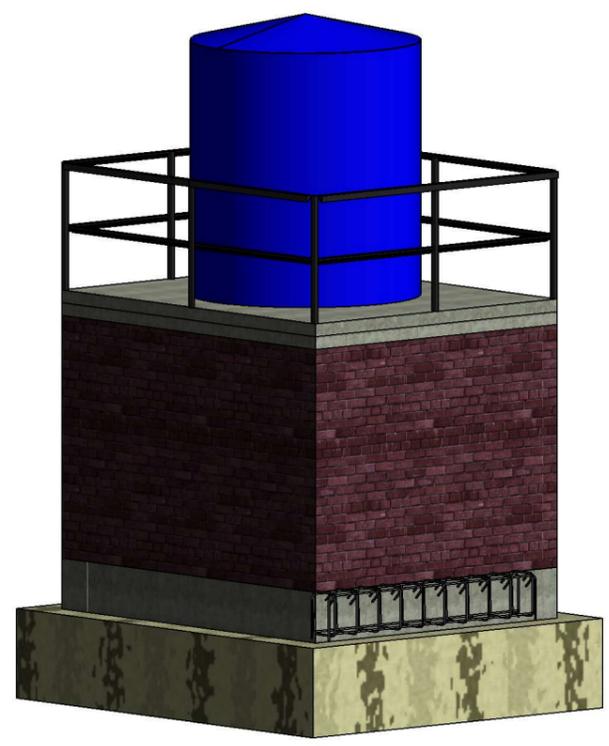
South  
1 : 50



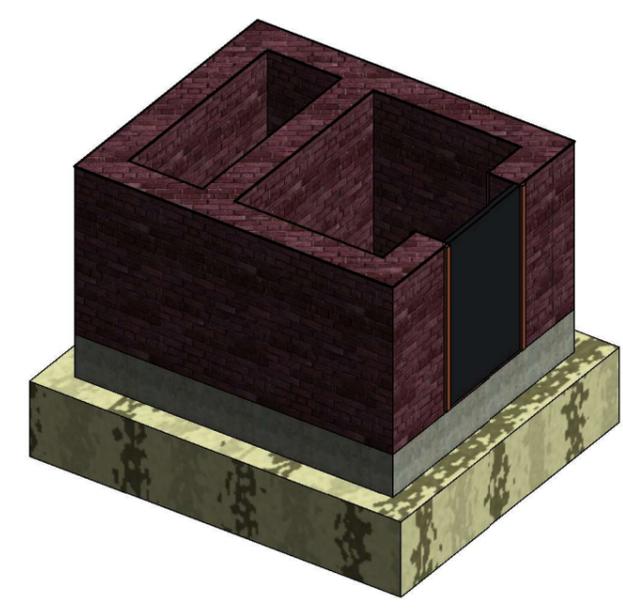
ECW project  
Babikri camp

Prospective view

Elevated water tank & tower



1 {3D}



2 3D SECTION

**Mercy Corps - Gadarif State Office****Bill of Quantities for pre- school water drinking points**

Project name: ECW

Date : 06/11/2022

Project Location:

Babikri camp - Basunda Locality

GPS: N 13 0 43

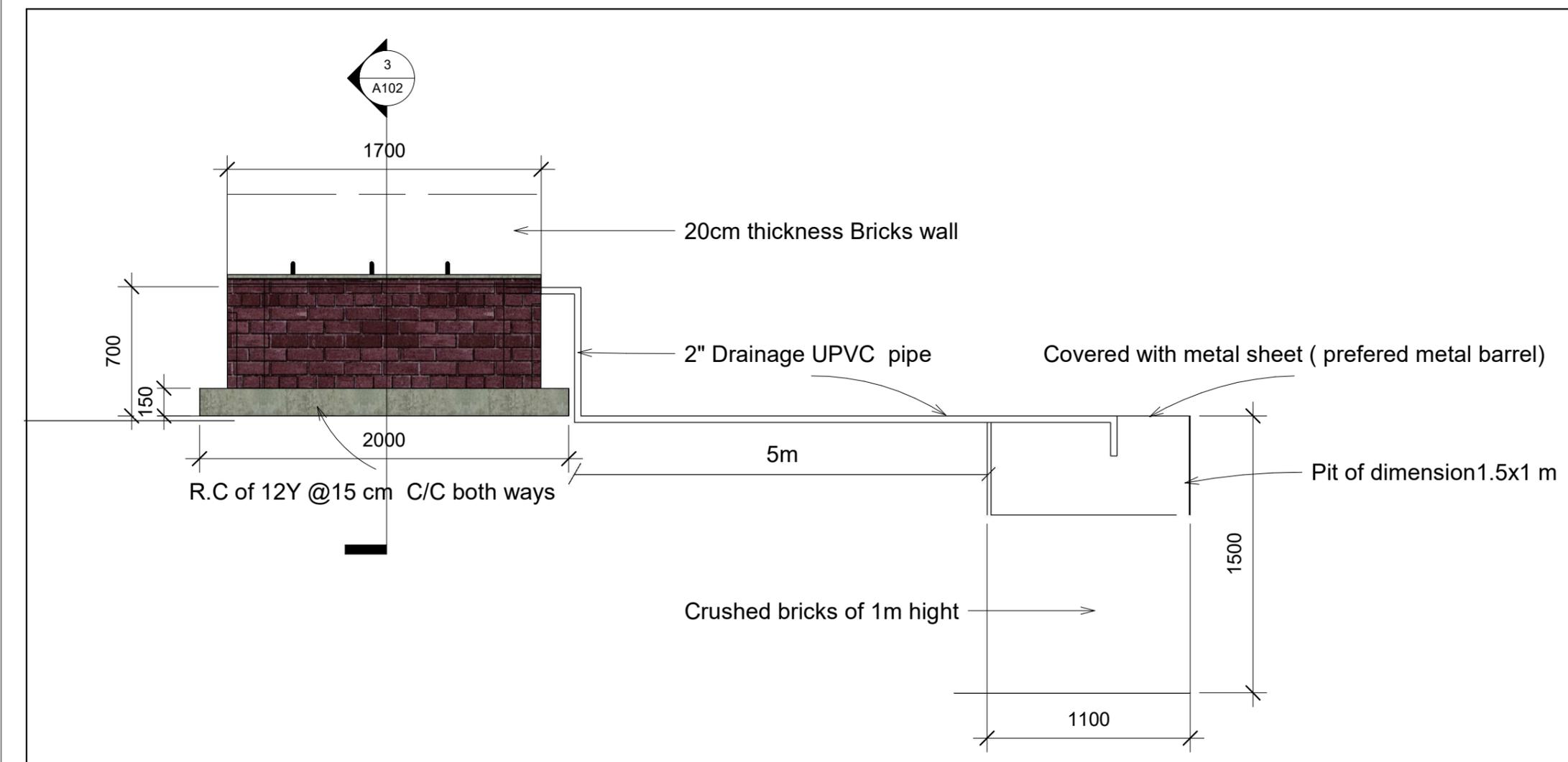
E 35 45 43

No	Items Description	Qty	Unit	Unit cost SDG	Total cost SDG
<b>1</b>	<b><u>Drinking water</u></b>				
1.1	Supply materilas and construct slab on grade , 15cm hight with rebar 12mm with spacing 15cm each side .	m3	0.5		
1.2	Supply materilas and raise brick wall 20cm thickness according to design .	m2	4		
1.3	Supply materials and install water connection PPR 1/2" with 4 press taps with all nessory fittings .	ML	5		
1.4	Supply materials and install drainge system PVC 3/4" with 4 press taps with all nessory fittings .	ML	5		
	<b>Total cost in SDG</b>				
	<b>17% VAT</b>				
	<b>Total cost in SDG with VAT</b>				
	<b>Total cost in USD</b>				

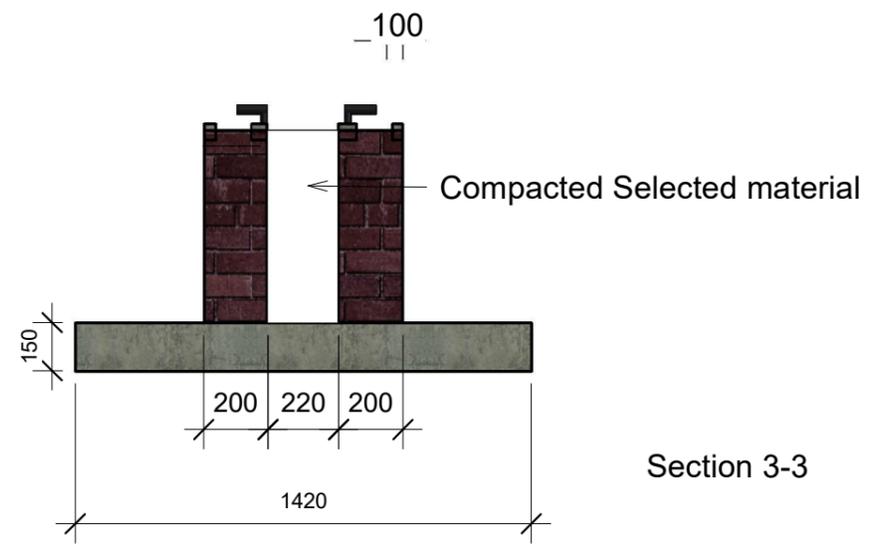
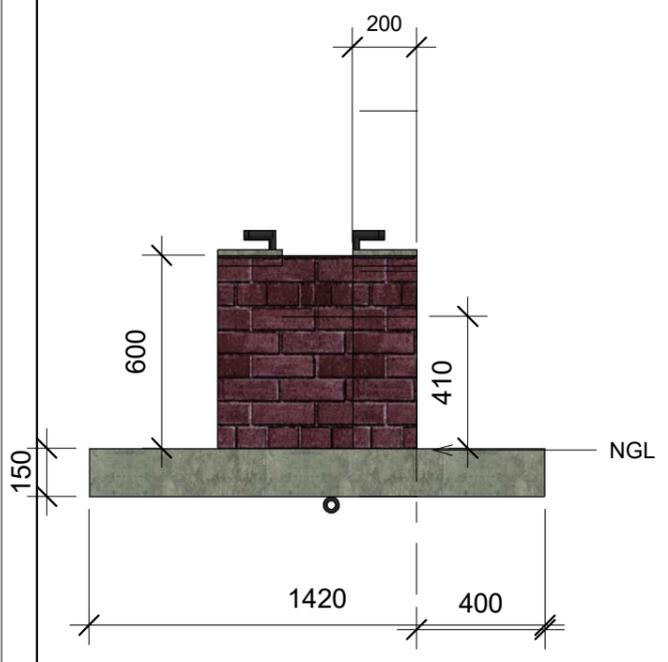


ECW project  
Babikri camp  
Drinking water for pre school

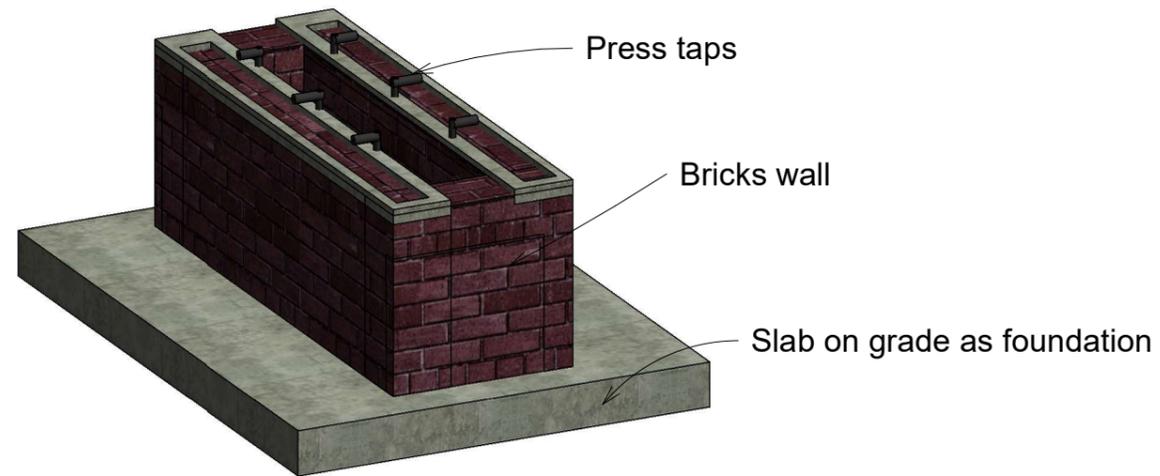
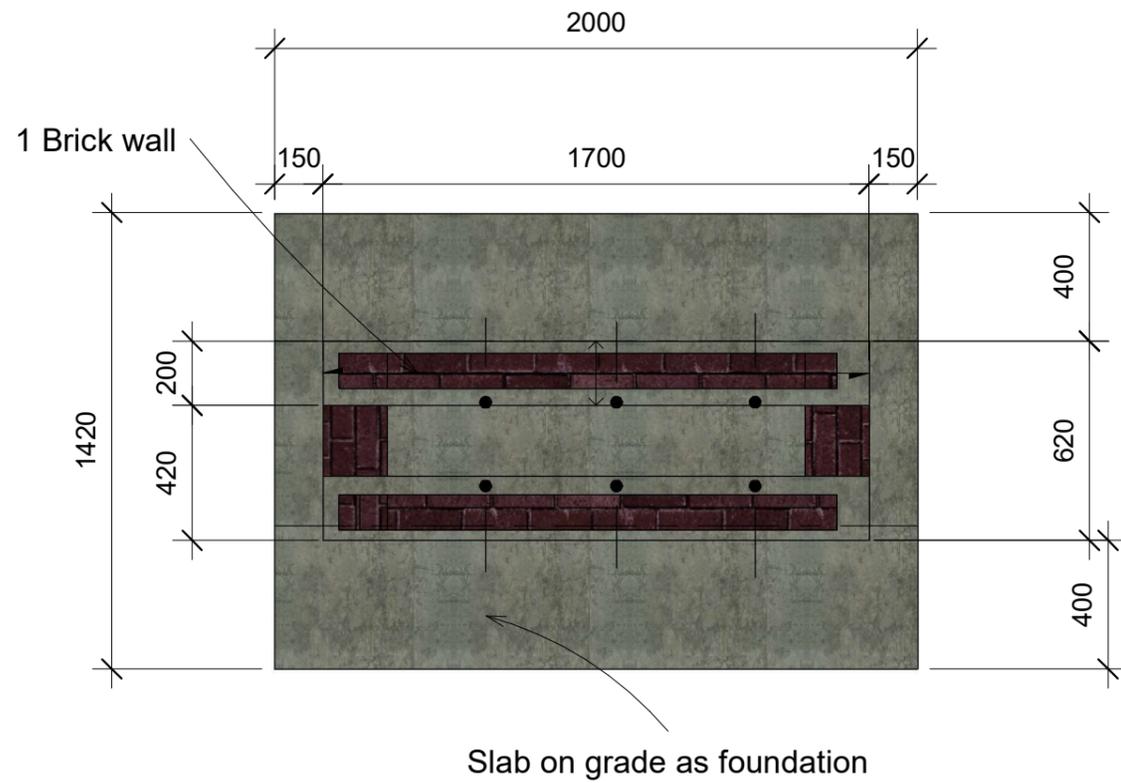
Side views and section



### Circular soak away



Section 3-3



3D VIEW



ECW project

Babikri camp

Drinking water for pre school

Top view and 3D