

SANITARY DRAWINGS INDEX

DRAWING INDEX

[illegible]

World Bank

FDRE - Ministry of Finance UNOPS - ETMCO

Response -Recovery-Resilience for conflict affected communities in Ethiopia

SERENGA PRIMARY SCHOOL

MANHOLE INVERTED SCHEDULES

Manhole No.	Inverted Level	Finished Level	Depth of Manhole (m)
MH -1	2559.15	2559.55	0.40
MH -2	2559.10	2559.55	0.45
MH -3	2559.00	2559.55	0.55
MH -4	2558.95	2559.55	0.60
MH -5	2558.90	2559.55	0.65
MH -6	2558.80	2559.75	0.95




Septic Tank -NGL =2559.50
Pipe Inlet Level = 2558.65
IL of Manhole to ST = MH -6 = 2558.80



SITE WASTEWATER DRAINAGE SYSTEM
SCALE 1:400

GENERAL NOTES:

LEGEND

- Existing 
- A- Class room
B- Library, Store, Office and Classroom
C- Teaching aid and Class
D- Laboratory and Class
E- Boys latrine
F- Girls Latrine (CIS)
G- Demolished latrine
H- Guard house
I- Rain water reservior
J- Hand pump
T- Farm area
- New 
- K- Class room
O- Sport field
P- Shaded play area
Q- Parking
R- Entrance gate and fence
S- Pedestrian walkway
V - ELEVATED WATER TANKER
W - SEPTIC TANK
X - GROUND WATER TANKER
U - STAFF LATRINE
- Future expansion 
- L- Laboratory
M- Library
N- Kitchen and Cafe

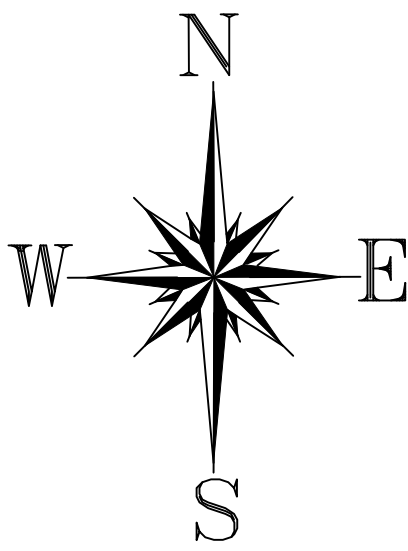
LEGEND

MH - Manhole
GVB - Gate Valve Box
HDPE - High Density Polythene
FH - Fire Hydrant
φ - Diameter of Pipe
EWT - Elevated Water Tanker
GT - Gully Trap
IL - Inverted Level
D - Depth

LEGEND

New Buildings
Walkways (Concrete Pavement tiles)
Grassland
Existing Buildings
Trees
Water point
Flag post
Electric pole

0	/	/		
Rev.:	Date:	Description:		Approved



KEY PLAN

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Funded By:	Partner:
World Bank	FDRE- Ministry of Finance
Program:	Implemented By:
Response -Recovery-Resilience for conflict affected communities in Ethiopia	FDRE - Ministry of Finance UNOPS - ETMCO
Project Name:	Design:
SERENGA PRIMARY SCHOOL	UNOPS-ETMCO



Drawing Title:				
SITE WASTEWATER DRAINAGE SYSTEM				
Designed by	Discipline:	Dr. No:	Tot. No:	Rev. No:
YG	SN	01	07	R0
Drawn:	Checked:	Approved:	Size:	Scale:
FM	AE		A1	1:400
				Date:
				05 / 22 / 2023
				Rev.:
				0



SITE WATER SUPPLY SYSTEM
SCALE 1:400

GENERAL NOTES:

LEGEND

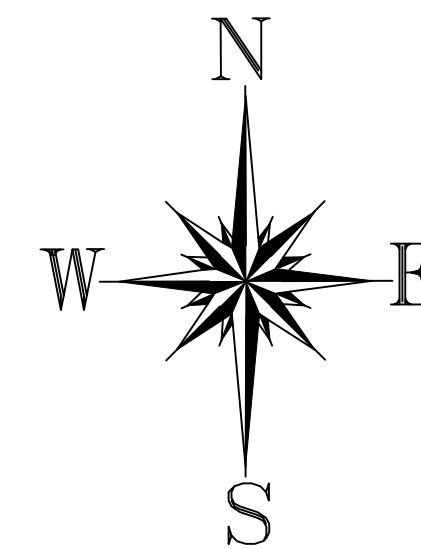
- Existing
- A- Class room
 - B- Library, Store, Office and Classroom
 - C- Teaching aid and Class
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 - E- Boys latrine
 - F- Girls Latrine (CIS)
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 - U - STAFF LATRINE
- Future expansion
- L- Laboratory
 - M- Library
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LEGEND

- MH - Manhole
- GVB - Gate Valve Box
- HDPE - High Density Polythene
- FH - Fire Hydrant
- φ - Diameter of Pipe
- EWT - Elevated Water Tanker
- GT - Gully Trap
- IL - Inverted Level
- D - Depth

- LEGEND
- New Buildings
 - Walkways (Concrete Pavement Slab)
 - Grassland
 - Existing Buildings
 - Trees
 - Control point
 - Flag pole
 - Electric pole

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Rev.:	Date:	Description:		Approved



KEY PLAN

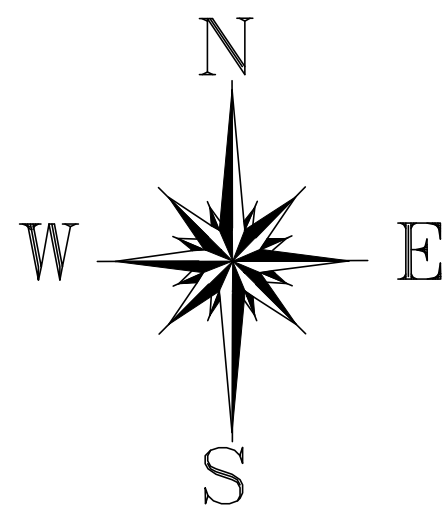
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SERENGA PRIMARY SCHOOL	UNOPS-ETMCO

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Designed by	Discipline:	Dr. No:	Tot. No:	Rev. No:
YG	SN	02	07	R0
Drawn:	Checked:	Approved:	Size:	Scale:
FM	AE		A1	1:400
				Date:
				05 / 22 / 2023
				Rev.:
				0

GENERAL NOTES:

0			
Rev.:	Date:	Description:	Approved



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Project Name:	Design:
SERENGA PRIMARY SCHOOL	UNOPS-ETMCO

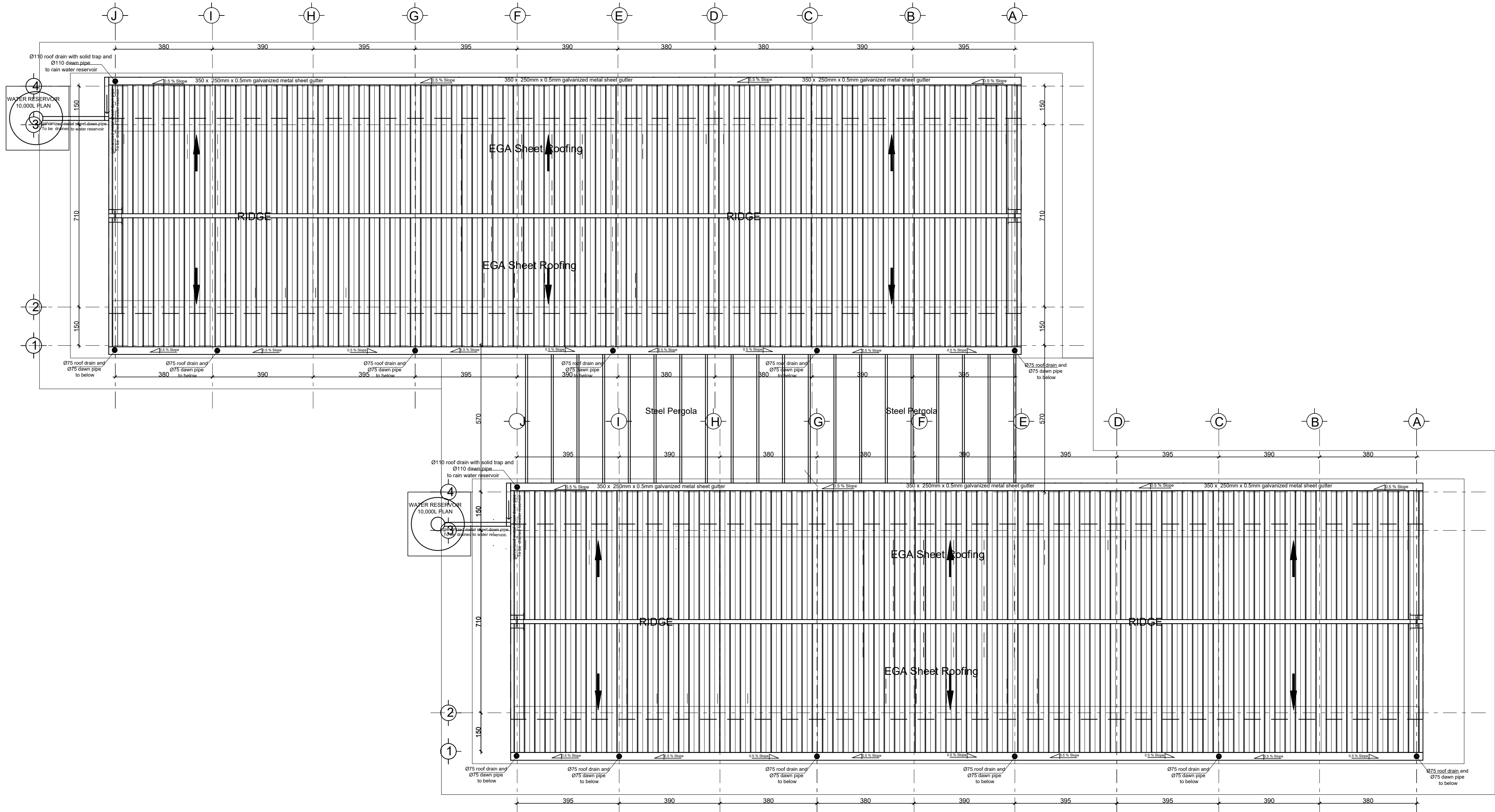


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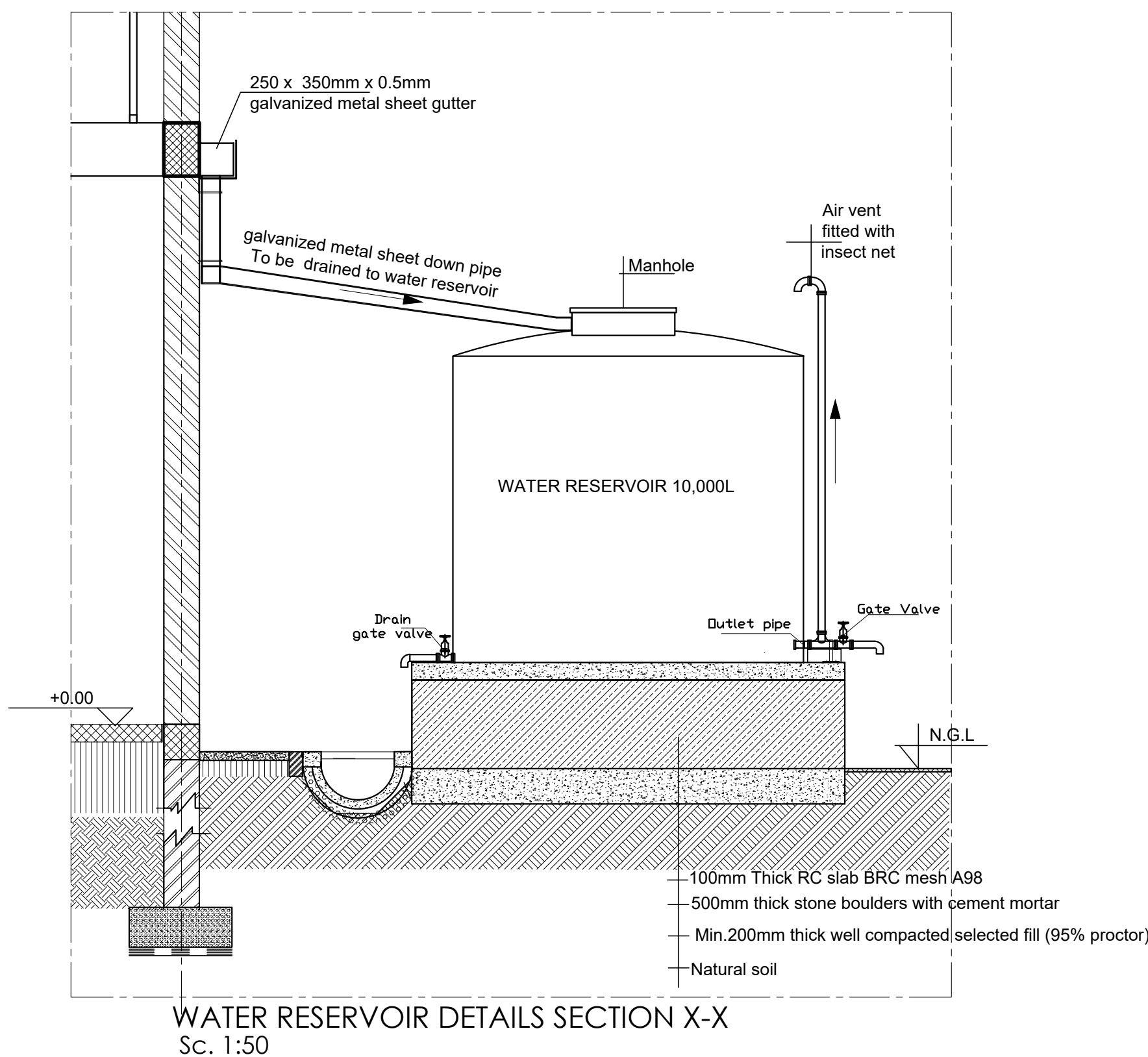
(CLASS ROOM)

Rainwater Harvesting System

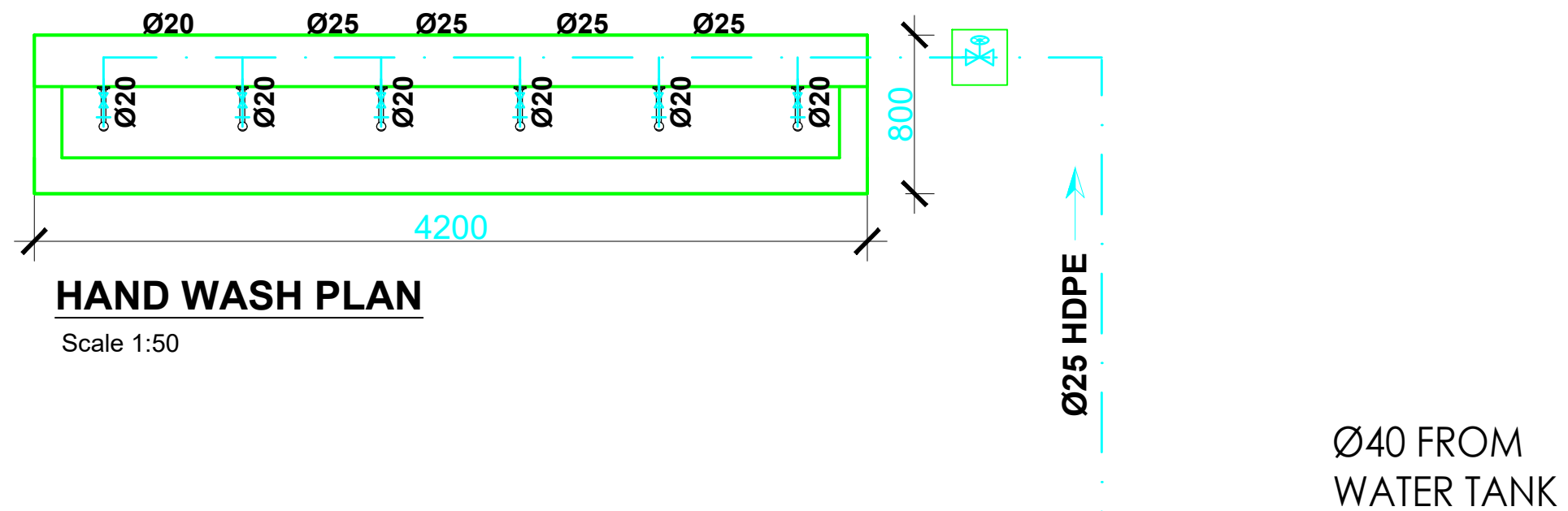
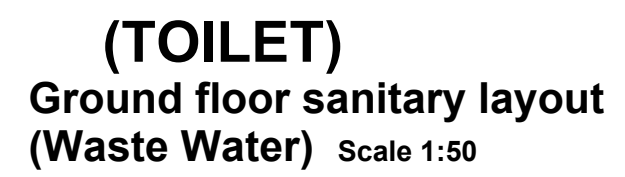
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YG	SN	03	07	R0
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FM	AE		A1	1:100 1:50
			Date:	Rev.:
			02 /06 /2023	0



(CLASS ROOM BLOCK)
Roof - Rainwater Harvesting System
sc. 1:100



WATER RESERVOIR DETAILS SECTION X-X
Sc. 1:50

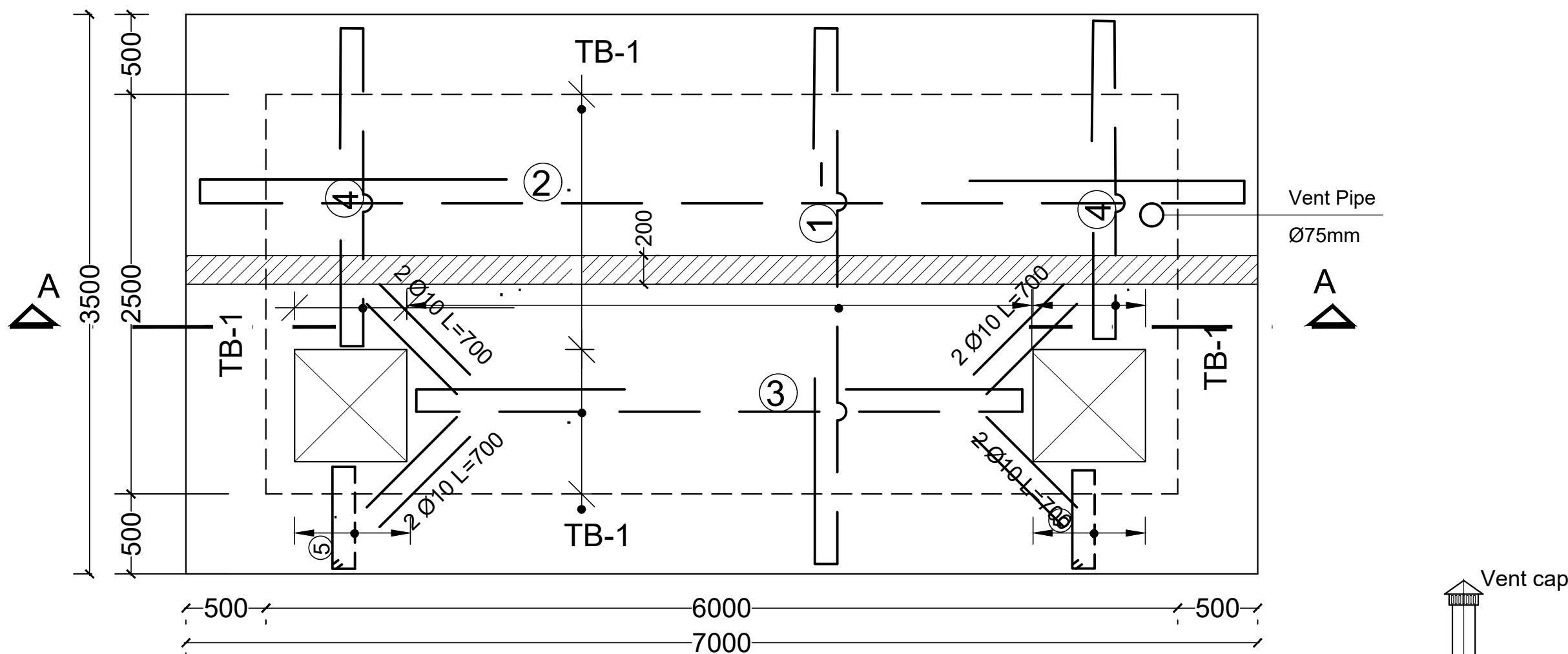


LEGEND
MH - Manhole
GVB - Gate Valve Box
HDPE - High Density Polythene
FH - Fire Hydrant
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EWT - Elevated Water Tanker
GT - Gully Trap
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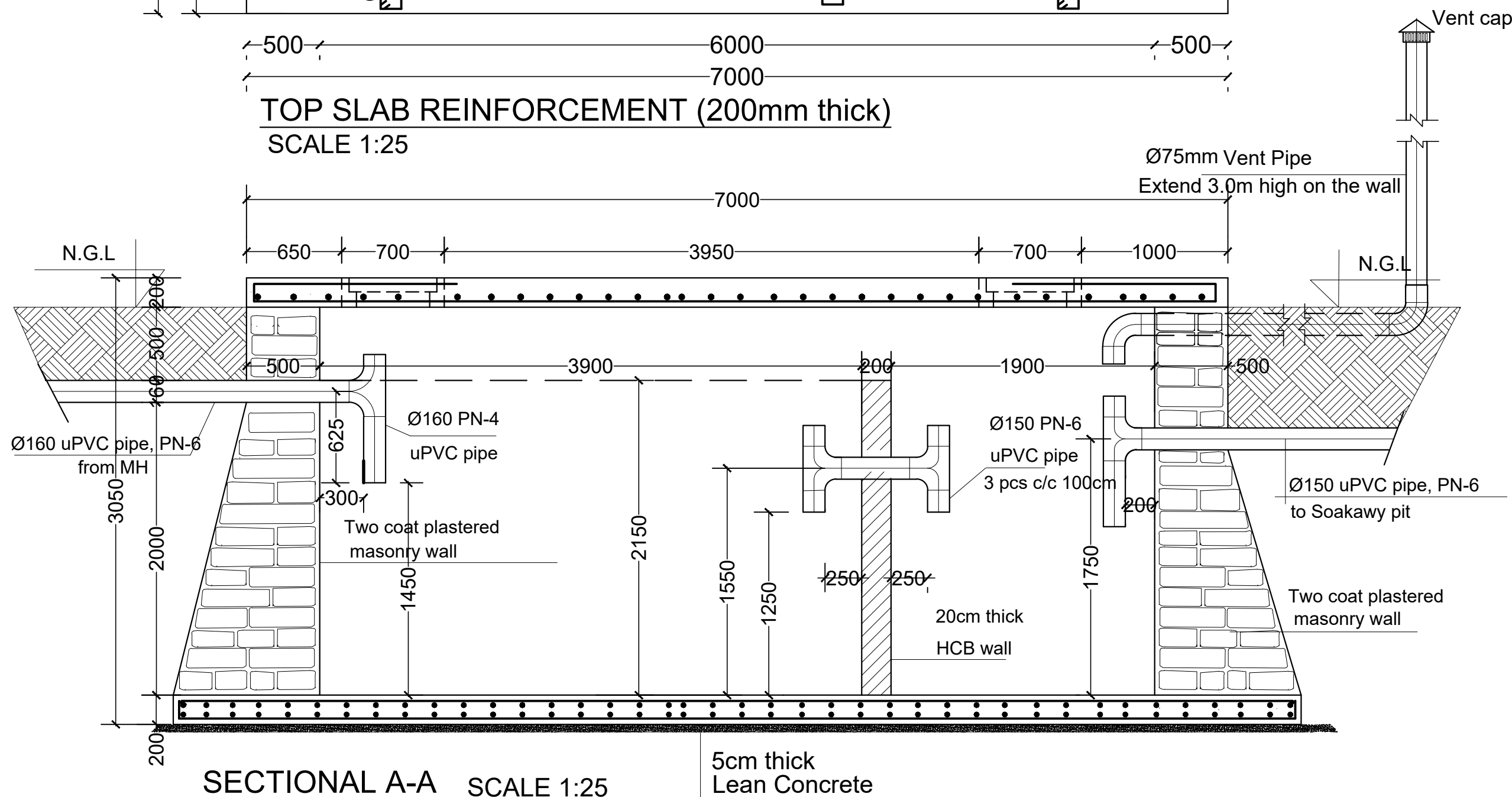
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Rev.:	Date:	Description:	Approved	

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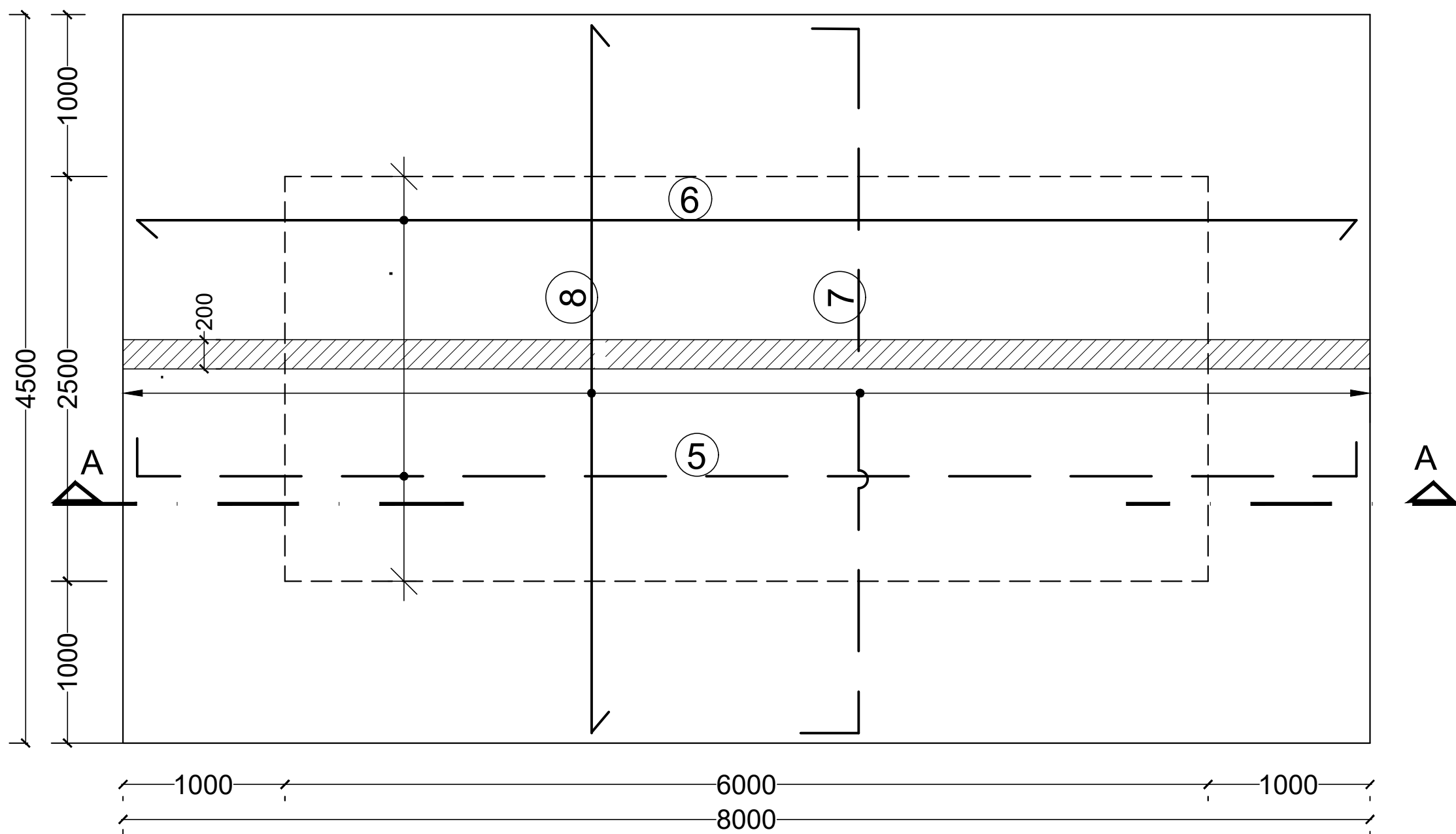
30m³ CAPACITY SEPTIC TANK



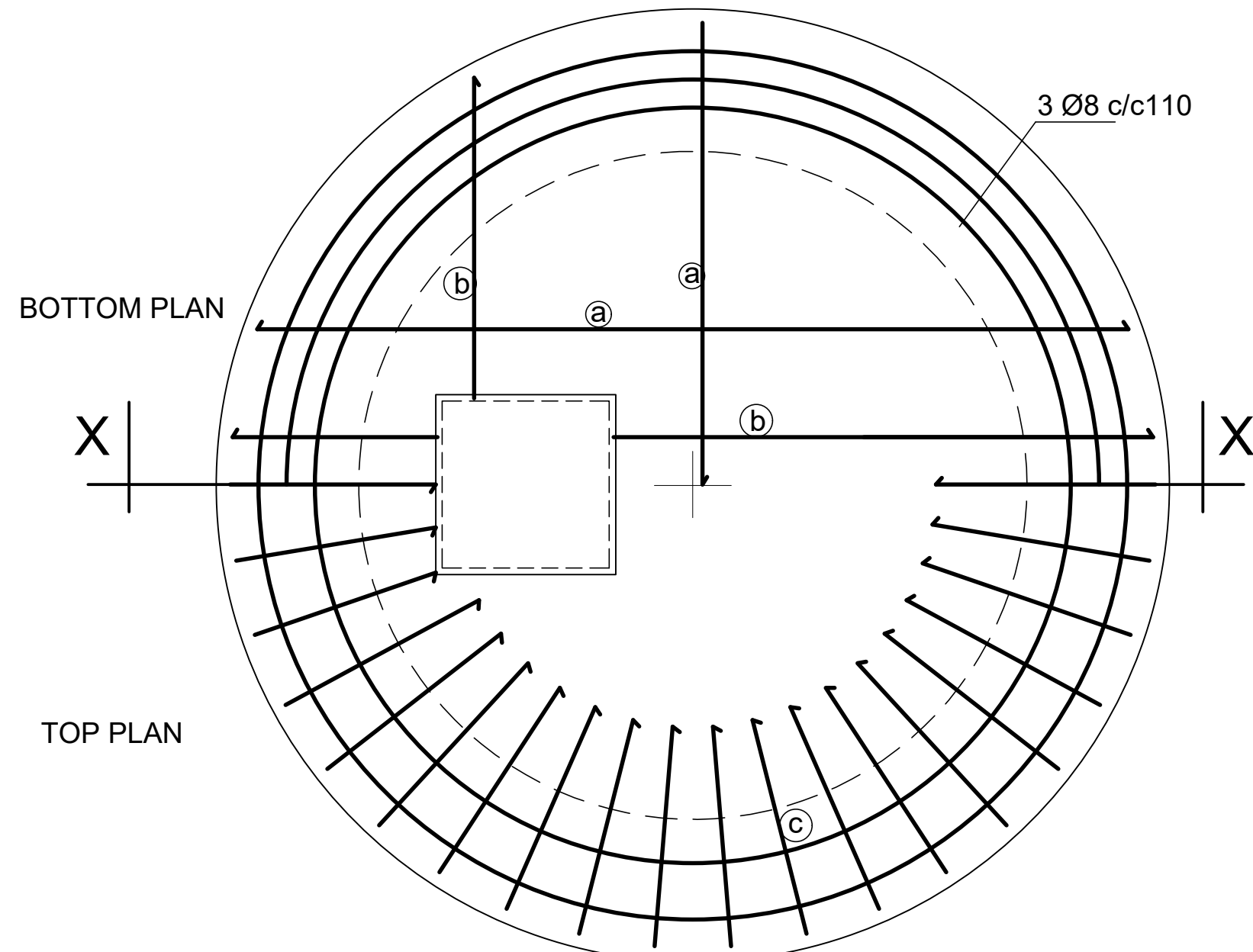
TOP SLAB REINFORCEMENT (200mm thick)
SCALE 1:25



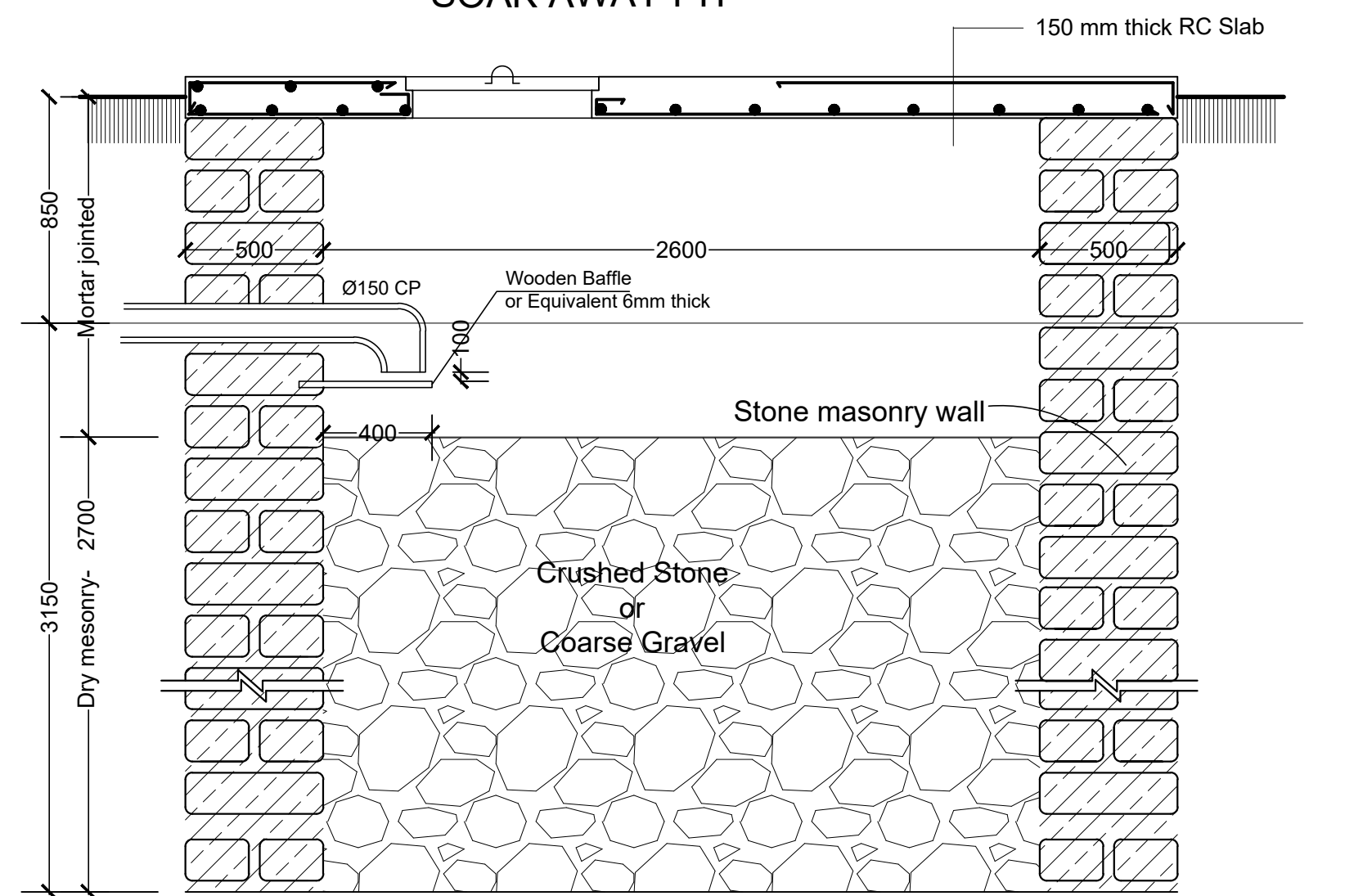
SECTIONAL A-A SCALE 1:25



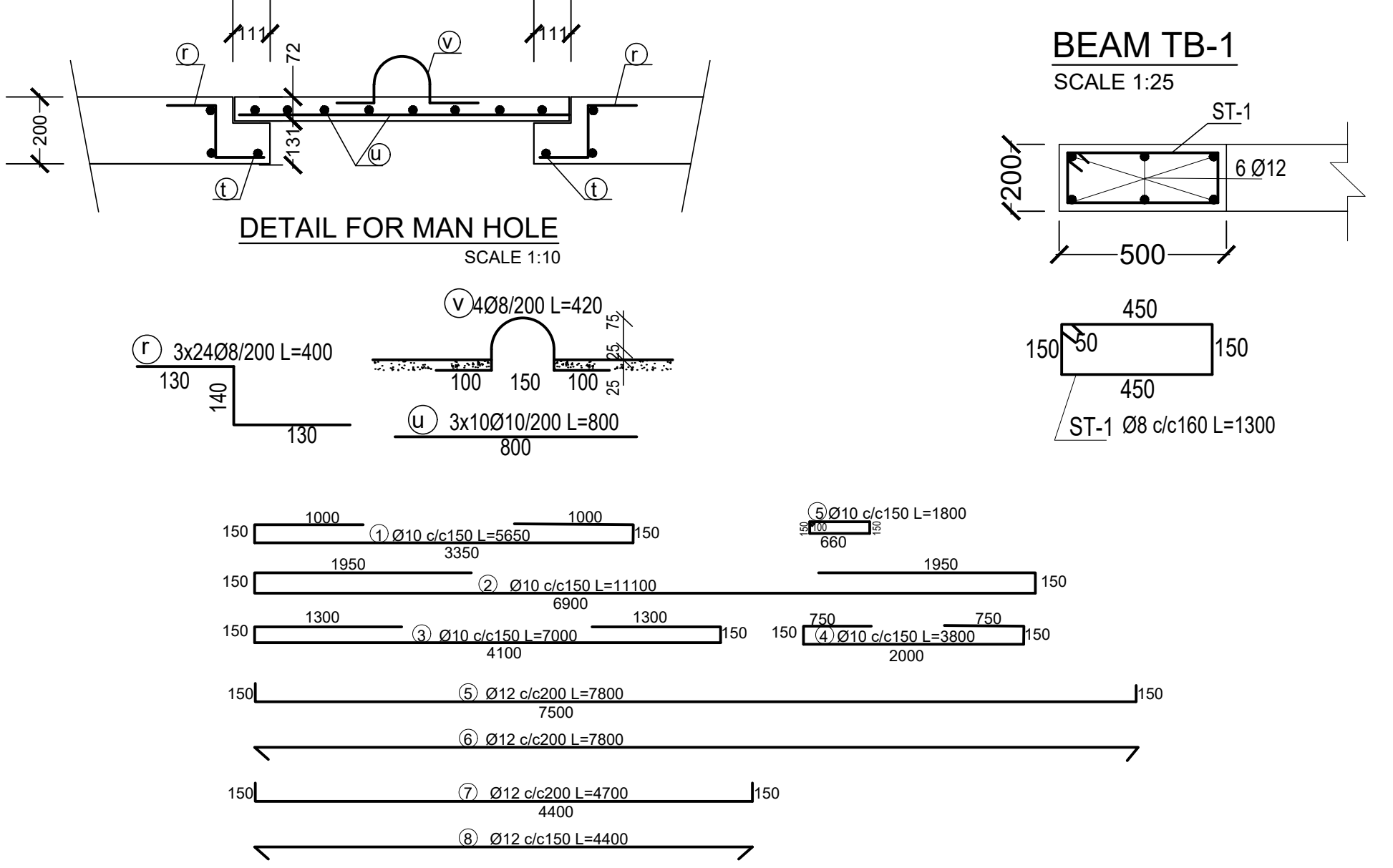
BOTTOM SLAB REINFORCEMENT (200mm thick)
SCALE 1:25



SOAK AWAY PIT



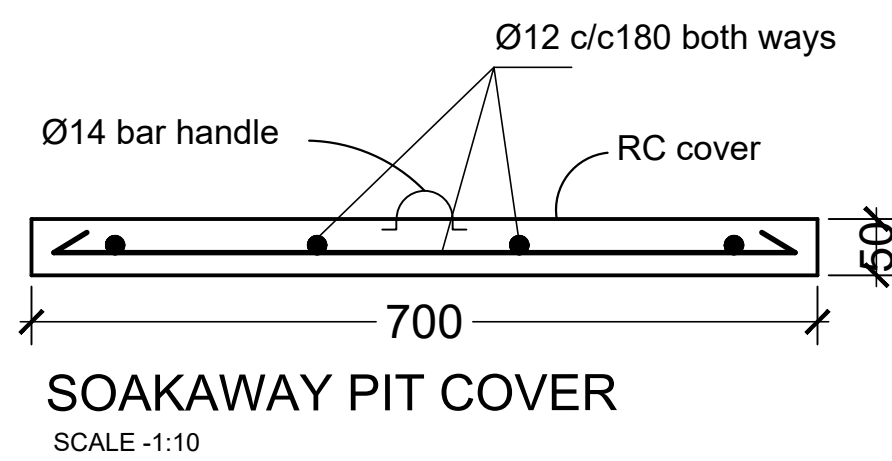
SECTION X-X
SCALE 1:25



DETAIL FOR MAN HOLE
SCALE 1:10

BEAM TB-1
SCALE 1:25

GENERAL NOTES:



SOAKAWAY PIT COVER
SCALE 1:10

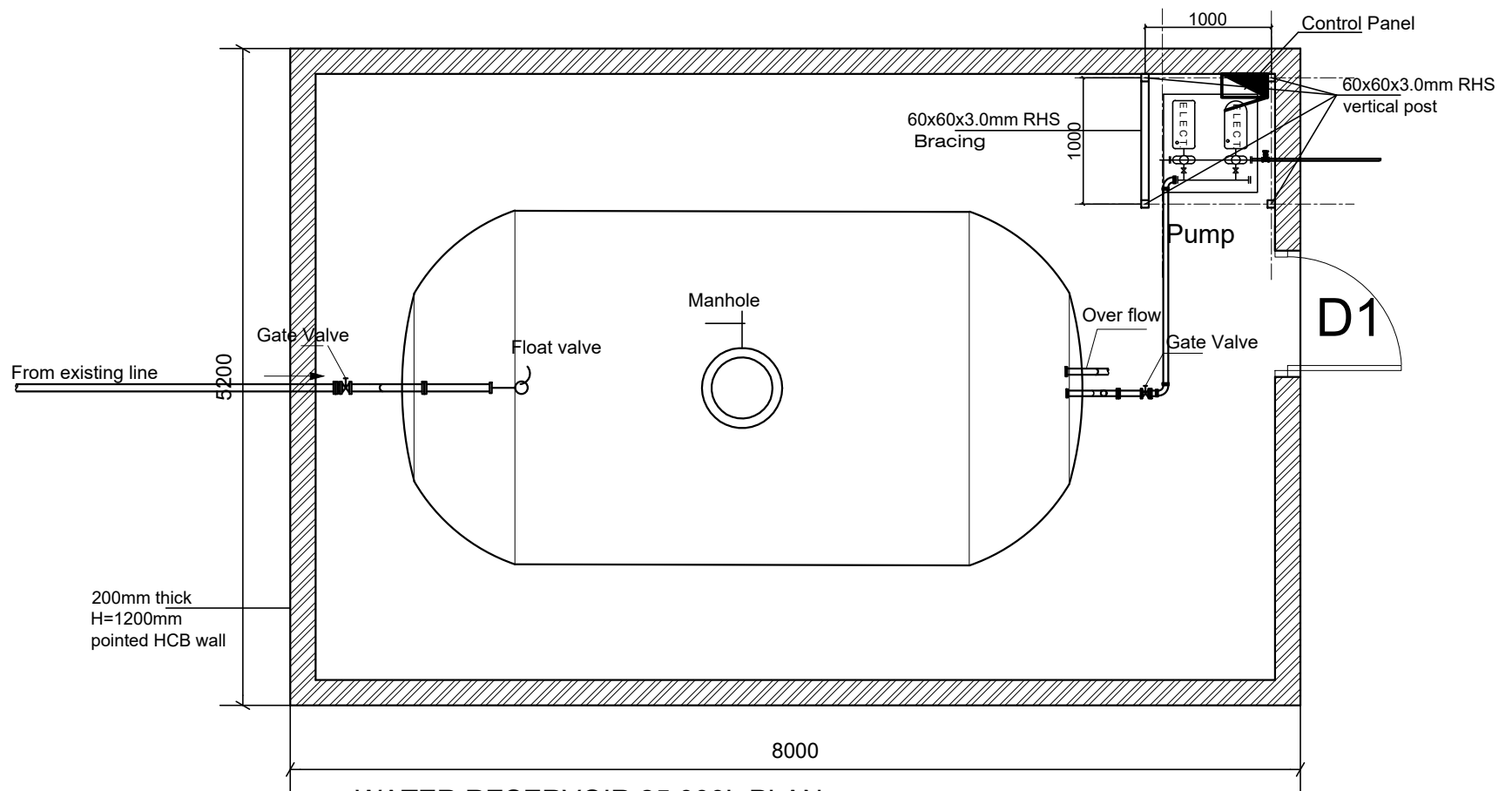
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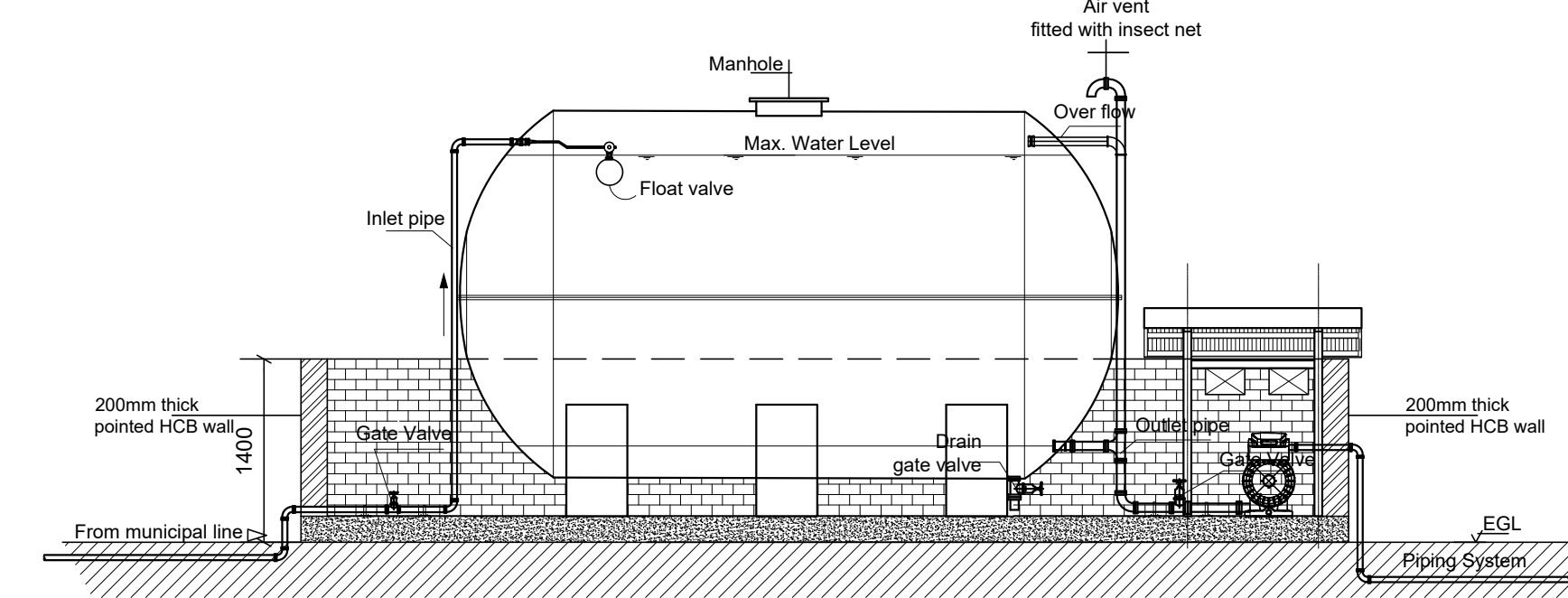
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World Bank		FDRE- Ministry of Finance	
Program:		Implemented By:	
Response -Recovery-Resilience for conflict affected communities in Ethiopia		FDRE - Ministry of Finance UNOPS - ETMCO	
Project Name:		Design:	
SEREGNA PRIMARY SCHOOL		UNOPS-ETMCO	
Drawing Title:		UNOPS	

Septic Tank & Soak Pit Details

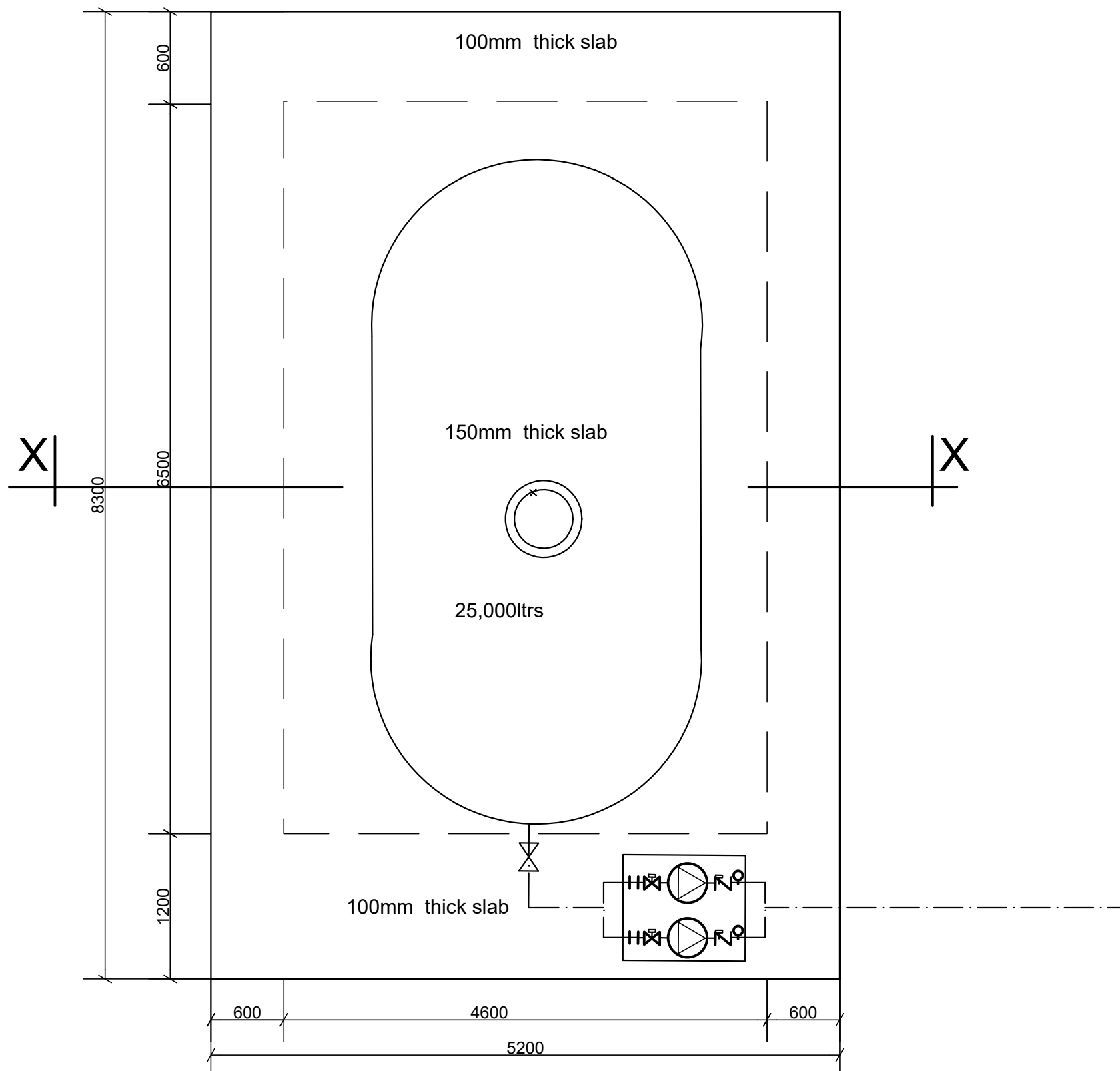
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YG			SN	05	07	R0			
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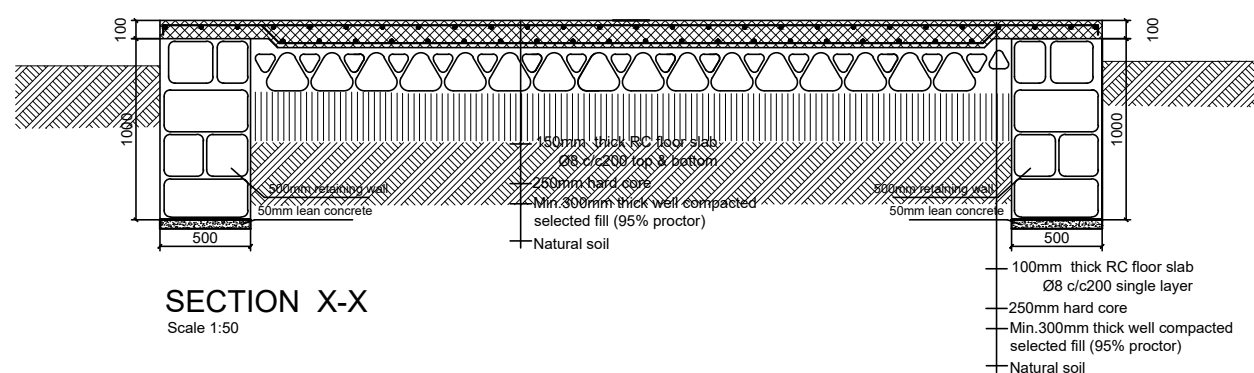
WATER RESERVOIR 25,000L PLAN
SC 1/50



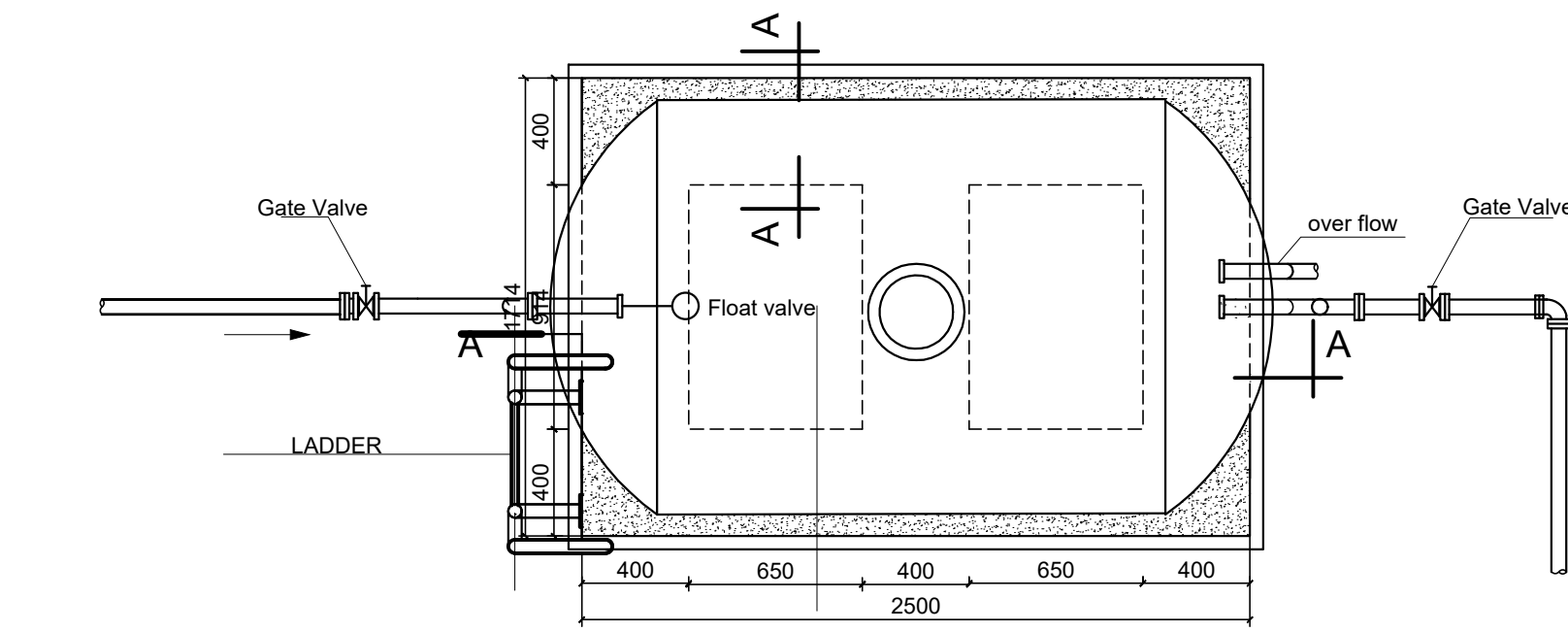
ELEVATION
SC 1/50



Water Reservoir Plate Form and Fence Plan
Scale 1:50

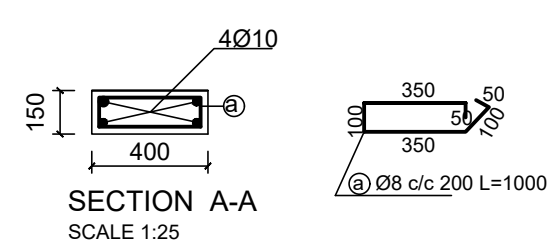


SECTION X-X
Scale 1:50

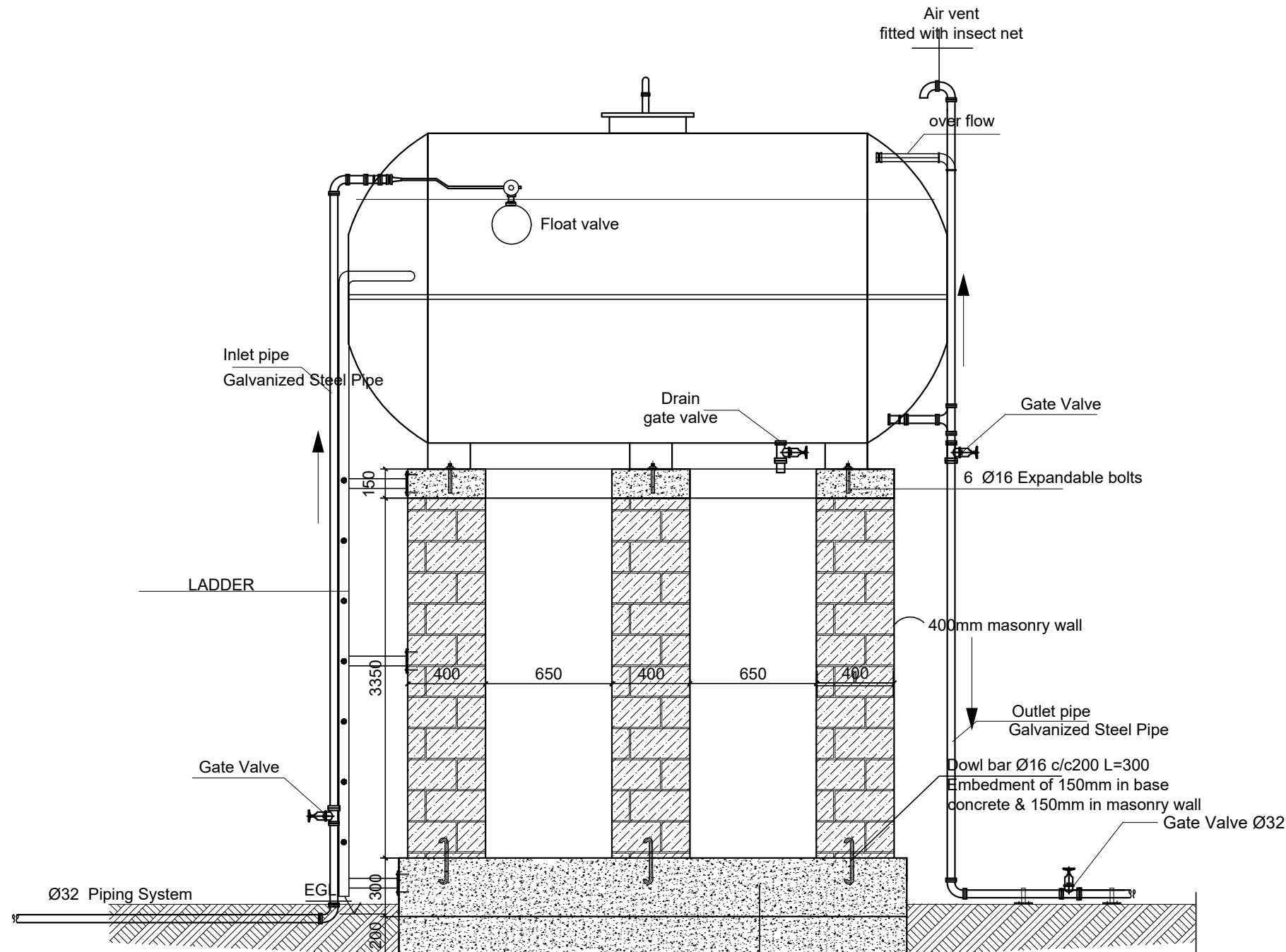


Elevated Water Tank (3.5m)3,000 L
SCALE -1:25

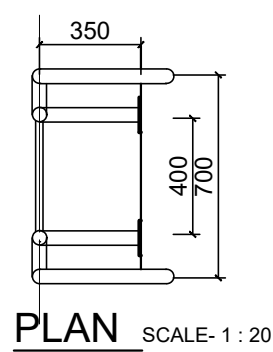
WATER TANKER SUPPORT BEAM DETAILS



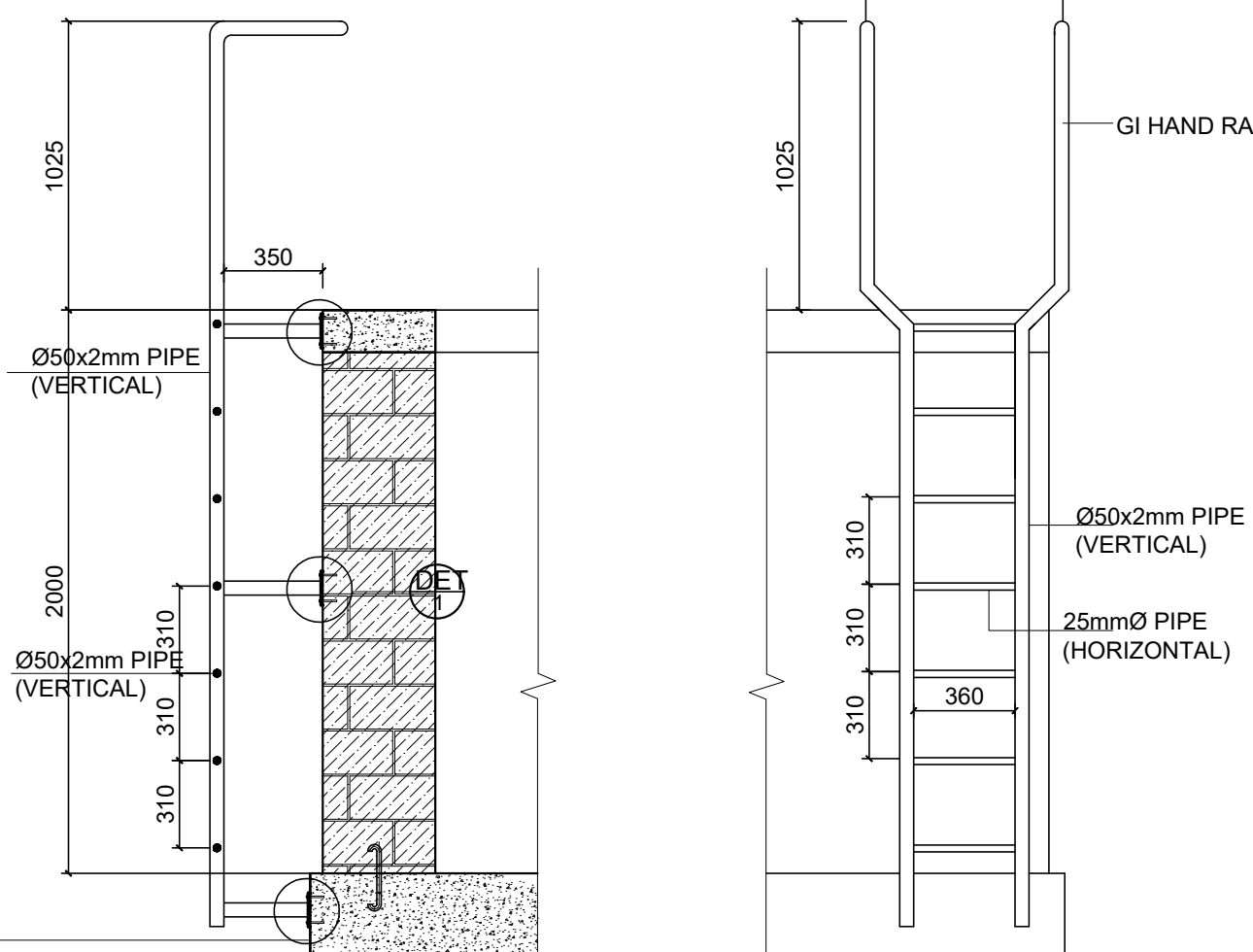
SECTION A-A
SCALE 1:25



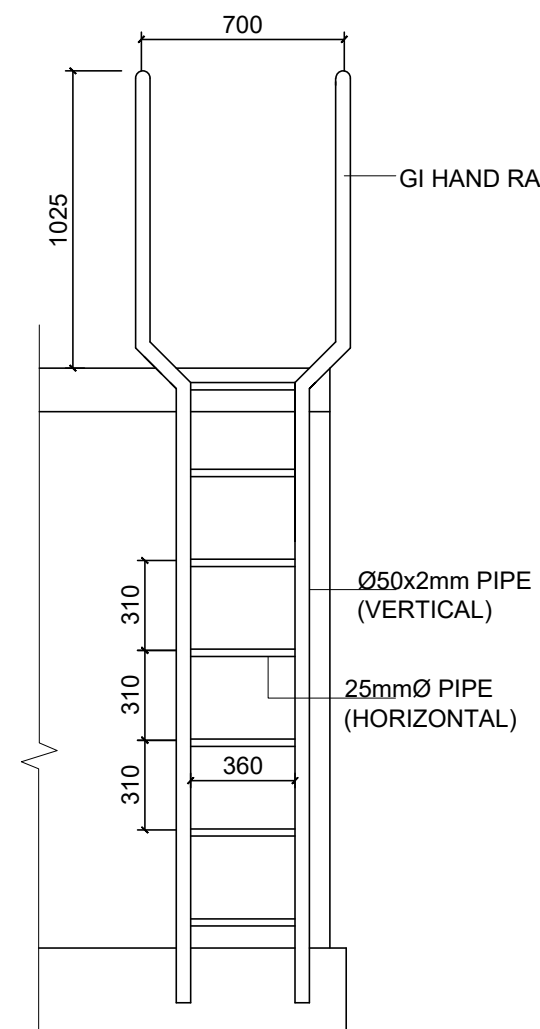
SECTION A-A
SCALE -1:25
WATER TANK PLINTH
SCALE -1:25



PLAN
SCALE -1:20

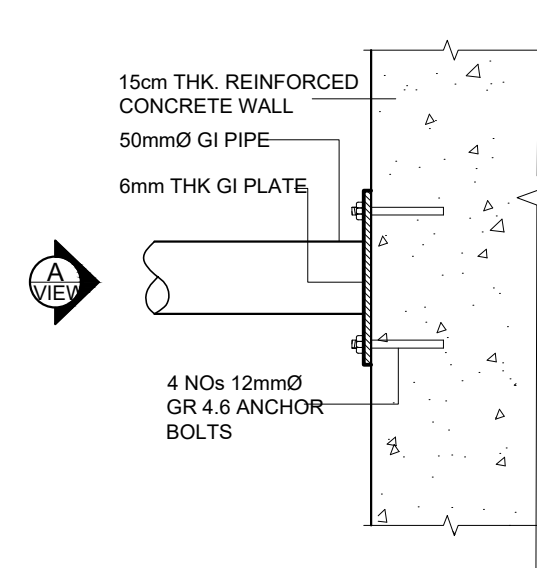


SECTION
SCALE 1:20

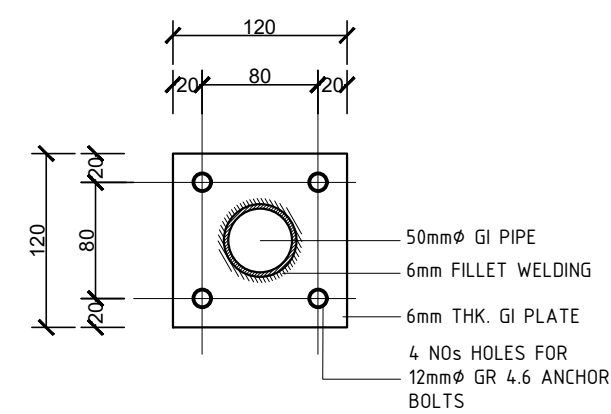


VIEW
SCALE -1:20

LADDER-DETAILS



DETAIL 1
SCALE 1:5



VIEW 'A'
SCALE 1:5

PUMP DETAIL

Name	Type	Q (m ³ /hr)	H (m)	P (Kw)	Eff. (%)	NPSH (m)	Remark
P-1	Domestic water Centrifugal pump, Electric driven	2.5	8	0.75	>70	>1.5	Domestic water supply to Elevated water tank Electric driven, Duty
P-2	Domestic water Centrifugal pump, Electric driven	2.5	8	0.75	>70	>1.5	Domestic water supply to Elevated water tank Electric driven, Standby

GENERAL NOTES:

ROTO Fiberglass horizontal tank or equivalent with the following properties:

Properties Data	
Capacity	25 m ³ / 3 m ³
Material	P191 Resin
Length	6230mm / 2950mm
Nominal Diameter	2400mm / 1200mm
Wall thickness	9.4mm / 3.6mm
Interior finish	Inside threaded – FRP coated
UV Protection	Minimum 75%
Pressure rating	PN16 / PN12

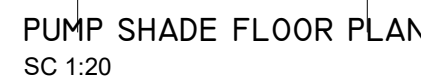
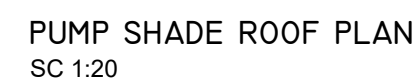
Rev.	Date	Description	Approved
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KEY PLAN

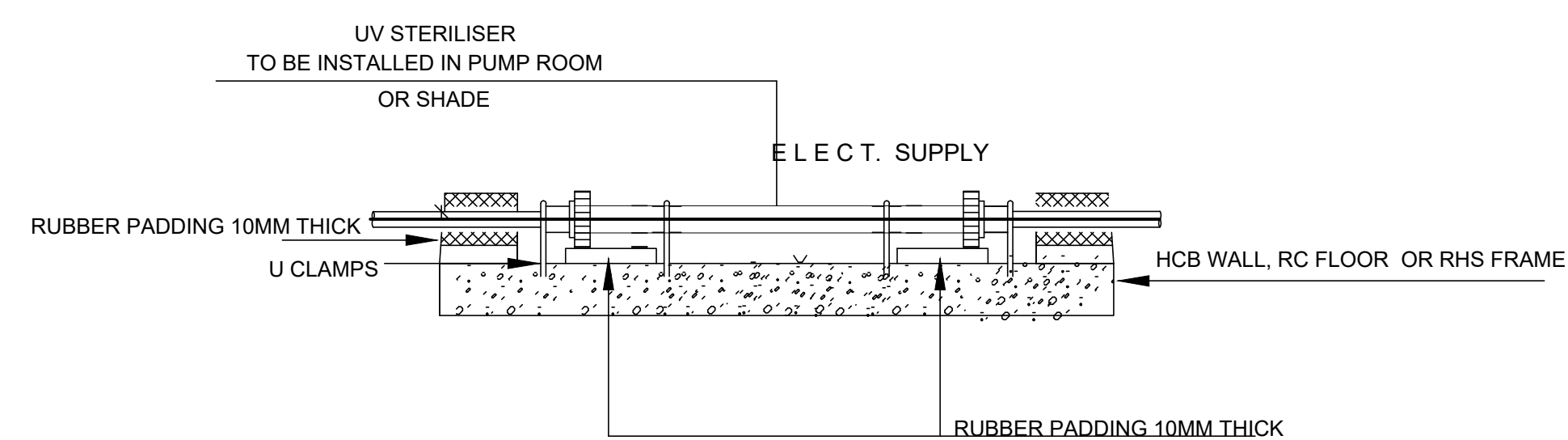
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Program:	Implemented By:
Response -Recovery-Resilience for conflict affected communities in Ethiopia	FDRE - Ministry of Finance UNOPS - ETMCO
Project Name:	Design:
SERENGA PRIMARY SCHOOL	UNOPS-ETMCO

Drawing Title:				
WATER RESERVOIR & ELEVATED WATER TANKER				
Designed by	Discipline:	Dr. No:	Tot. No:	Rev No:
YG	SN	06	07	R0
Drawn:	Checked:	Approved:	Size:	Scale:
FM	AE	SH	A1	1:50 1:20
Date:	05 / 22 / 2023	Rev.:		



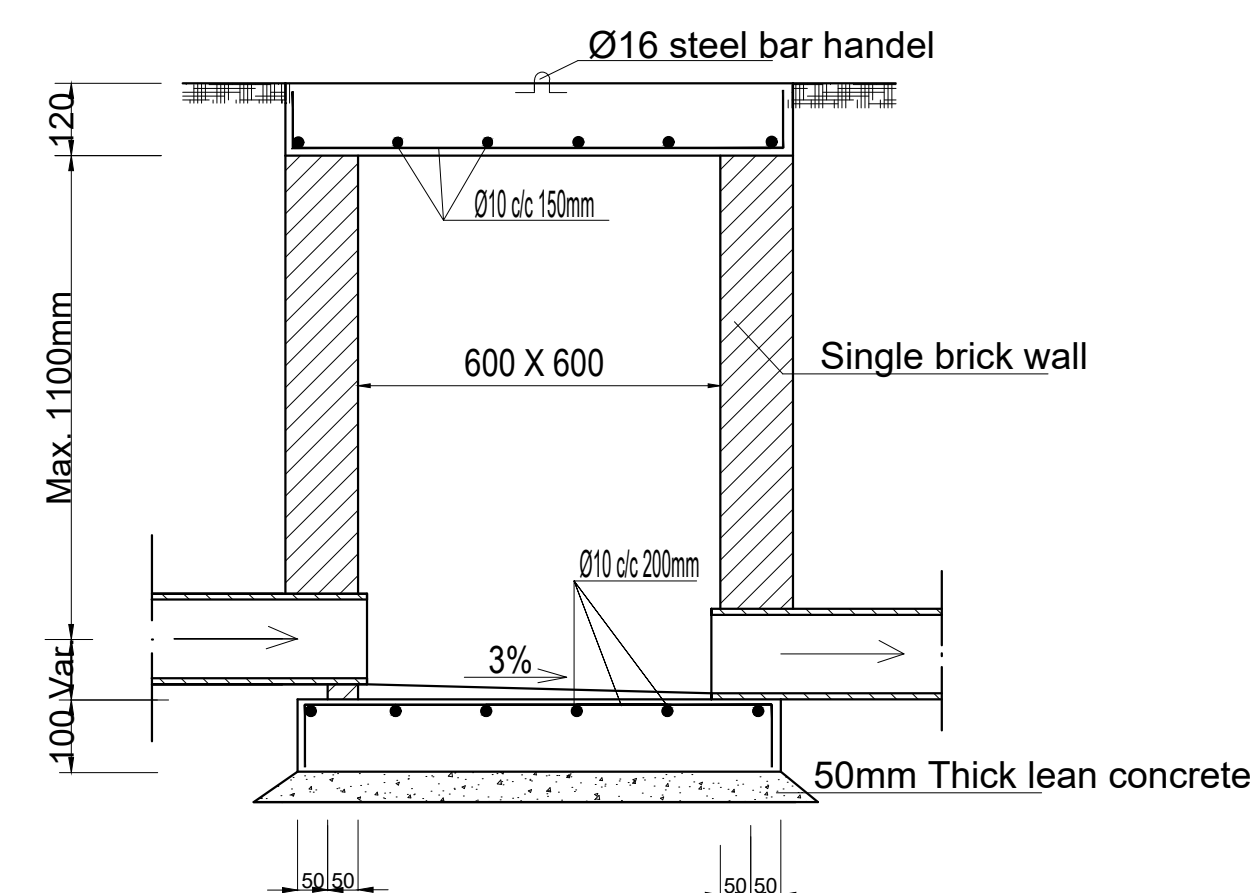
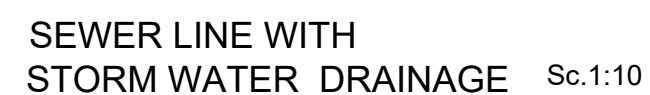
Door Name	D1
Quantity	1
Frame material	RHS steel frame 40mm x 40mm x 2mm
Frame finish	Painted with 2 coats of antirust paint & one coat of enamel paint
Door leaf construction	180D opening, 0.5mm casement metal pane
Ironmongery	stainless steel pull-push bar handle



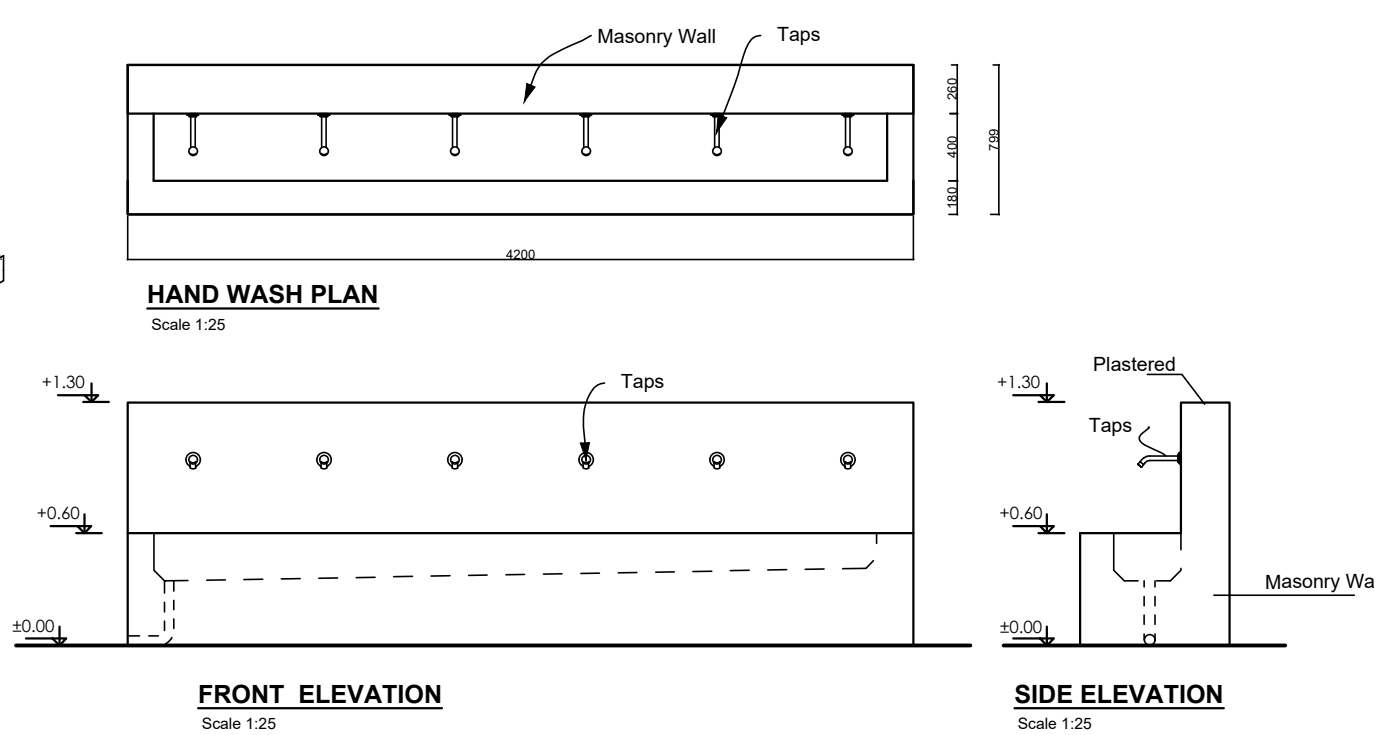
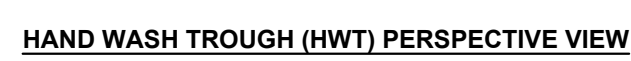
Patient Information	
First Name	
Last Name	
Room Number	
Phone Number	
Insurance Company	
Insurance Policy Number	
Referring Physician	
Referral Date	
Referral Indication	
Patient History	
Chief Complaint	
History of Present Illness	
Past Medical History	
Past Surgical History	
Family History	
Medication History	
Allergies	
Physical Examination	
General	
Head and Neck	
Chest	
Abdomen	
Extremities	
Neurological	
Psychiatric	
Laboratory and Diagnostic Test Results	
Complete Blood Count (CBC)	
Basic Metabolic Panel (BMP)	
Liver Function Tests (LFTs)	
Urinalysis	
Imaging Studies	
Electrocardiogram (ECG)	
Other Tests	
Treatment and Management	
Initial Treatment	
Follow-up Plan	
Discharge Instructions	
Physician Signature and Stamp	
Physician Name	
Physician Title	
Physician Signature	
Physician Stamp	
Nurse Signature and Stamp	
Nurse Name	
Nurse Title	
Nurse Signature	
Nurse Stamp	
Patient Signature and Stamp	
Patient Name	
Patient Title	
Patient Signature	
Patient Stamp	



1/2 Ø300 concrete pipe
Sc.1:25




DETAILS OF GULLY TRAP



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Project Name:	Design:
SERENGA PRIMARY SCHOOL	UNOPS-ETMCO
	 UNOPS

Drawing Title:

WATER RESERVOIR &
ELEVATED WATER TANKER

Designed by			Discipline:	Dr. No:	Tot. No:	Rev No:
YG			SN	07	07	R0
Drawn:	Checked:	Approved:	Size:	Scale:	Date:	Rev.:
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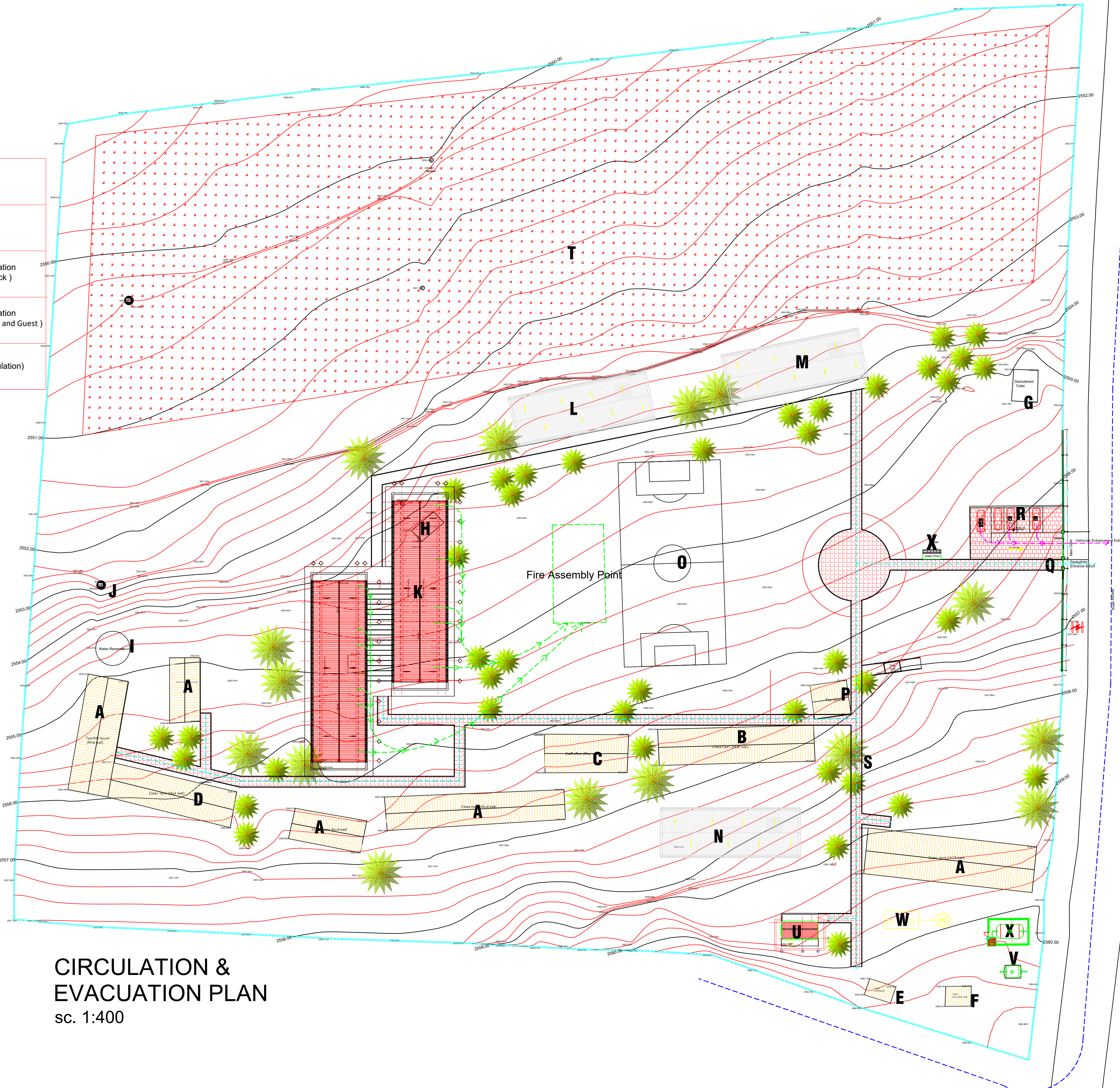
LEGEND
(Vehicular Circulation)

Fire Assembly
Circulation

Vehicular Circulation
(Firefighting Truck)

Vehicular Circulation
(Service, Supplies and Guest)

(Pedestrian Circulation)



CIRCULATION & EVACUATION PLAN
sc. 1:400

GENERAL NOTES:

LEGEND

Existing

New

Future expansion

A- Class room

B- Library, Store, Office and Classroom

C- Teaching aid and Class room

D- Laboratory and Class room

E- Boy's latrine

F- Girls Latrine (CIS)

G- Demolished latrine

H- Guard house

I- Rain water reservoir

J- Hand pump

T- Farm area

K- Class room

O- Sport field

P- Shaded play area

Q- Parking

R- Entrance gate and fence

S- Pedestrian walkway

V - ELEVATED WATER TANKER

W - SEPTIC TANK

X - GROUND WATER TANKER

U - Staff latrine

L- Laboratory

M- Library

N- Kitchen and Cafe

LEGEND

New Buildings

Walkways

Grassland

Existing Buildings

Tree

Contour line

Water pump

Electricity pole

Rev.	Date	Description	Approved
0			

W

N

E

S

KEY PLAN

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Funded By:

Partner:

Program:

Implemented By:

Project Name:

Design:

SERENGA PRIMARY SCHOOL

SITE

Drawing Title:

FIRE FIGHTING
CIRCULATION & EVACUATION PLAN

Designed by:

Discipline:

Dr. No:

Tot. No:

Rev No:

YG

FF

01

02

R0

Drawn:

Checked:

Approved:

Size:

Scale:

Date:

Rev.:

FM

AE

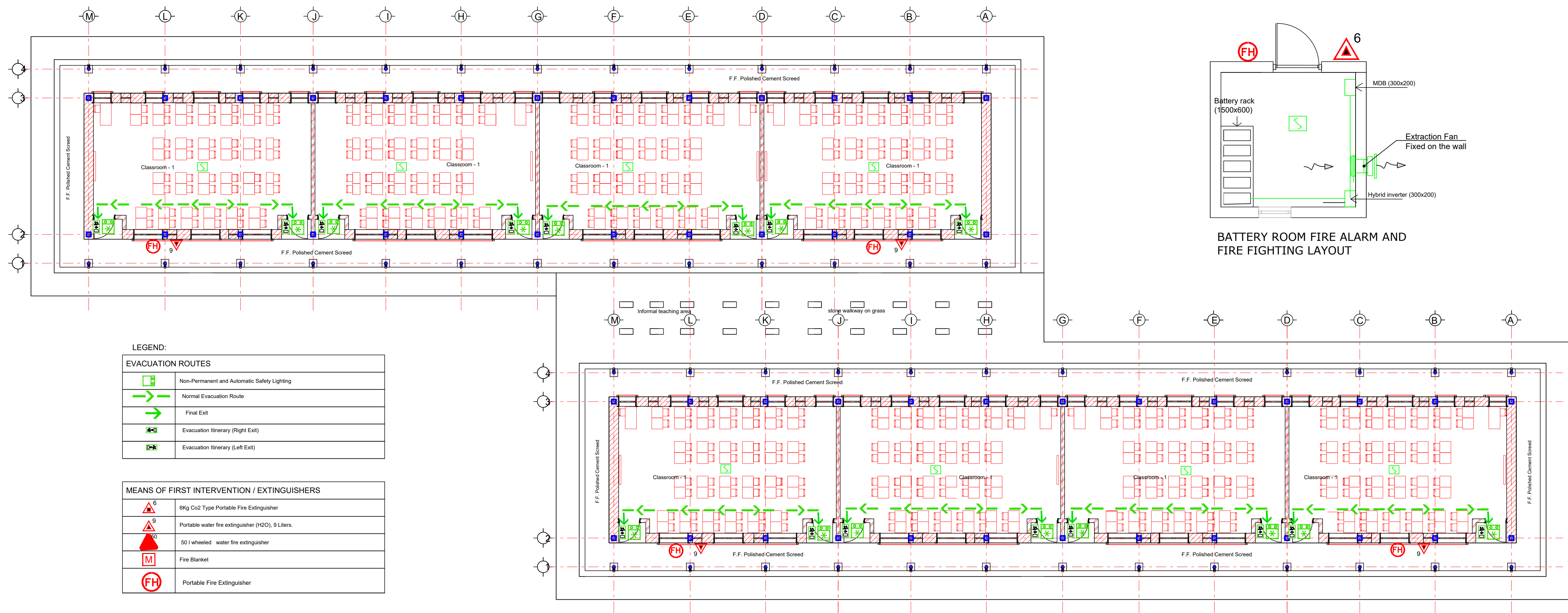
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02 / 06 /2023

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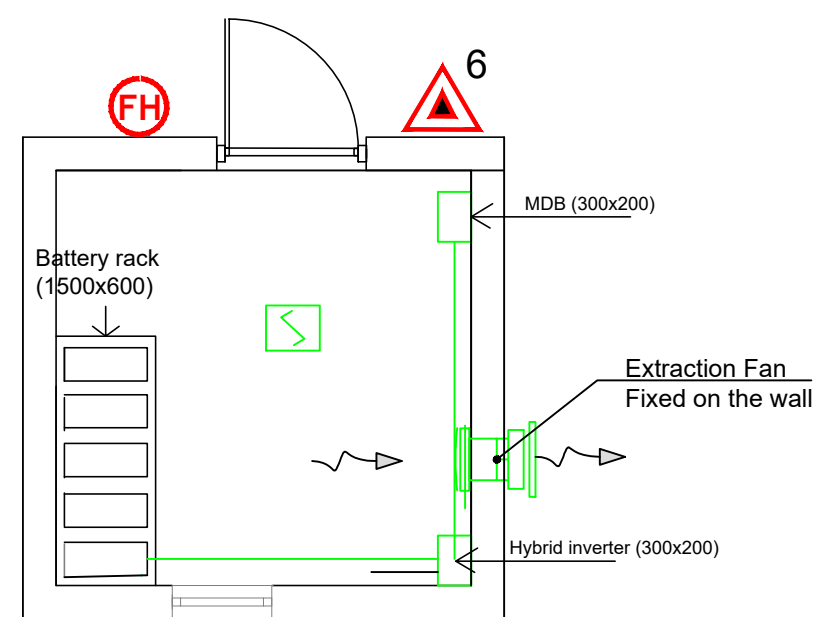


LEGEND:

EVACUATION ROUTES	
	Non-Permanent and Automatic Safety Lighting
	Normal Evacuation Route
	Final Exit
	Evacuation Itinerary (Right Exit)
	Evacuation Itinerary (Left Exit)

MEANS OF FIRST INTERVENTION / EXTINGUISHERS

	6Kg Co2 Type Portable Fire Extinguisher
	Portable water fire extinguisher (H2O), 9 Liters
	50 l wheeled water fire extinguisher
	Fire Blanket
	Portable Fire Extinguisher

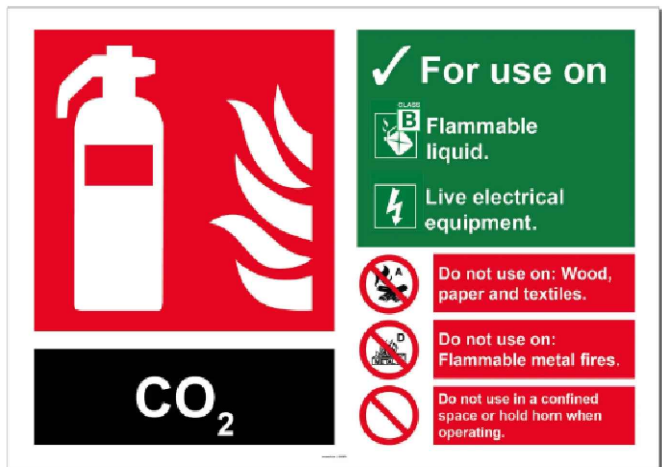


BATTERY ROOM FIRE ALARM AND FIRE FIGHTING LAYOUT

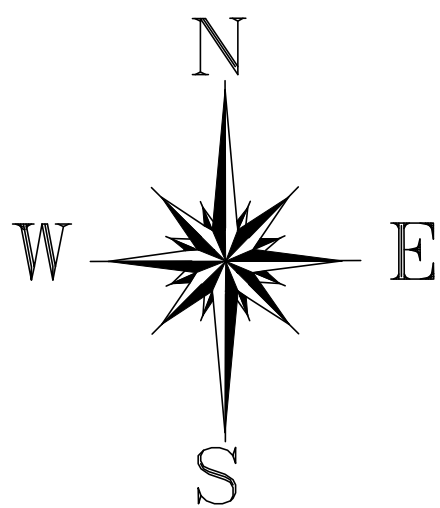
FIRE ALARM, FIRE FIGHTING AND EMERGENCY ESCAPE ROUTE LAYOUT

GENERAL NOTES:

SIGNAGE



Rev.	Date:	Description:	Approved
0			



KEY PLAN

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Funded By:	Partner:
World Bank	FDRE- Ministry of Finance
Program:	Implemented By:
Response -Recovery-Resilience for conflict affected communities in Ethiopia	FDRE - Ministry of Finance UNOPS - ETMCO
Project Name:	Design:
SERENGA PRIMARY SCHOOL	UNOPS-ETMCO



Drawing Title:

FIRE FIGHTING PLAN

Evacuation Plan & Portable Fire Extinguisher Layout

Designed by	Discipline:	Dr. No:	Tot. No:	Rev. No:
YG	FF	02	02	R0
Drawn:	Checked:	Approved:	Size:	Scale:
LA	YG		A1	1:100
Date:	02 / 06 / 2023	Rev.:	0	