

WEZESHA BINTI PROJECT

CONSTRUCTION OF GIRLS SWASH AT KIGOMA REGION

ARCHITECTURAL AND STRUCTURAL DRAWINGS

SWASH FACILITIES

CLIENT:



THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE REGIONAL
ADMINISTRATION AND LOCAL GOVERNMENT
KIGOMA REGION
P.O BOX125
ras@kigoma .go.tz

DONOR



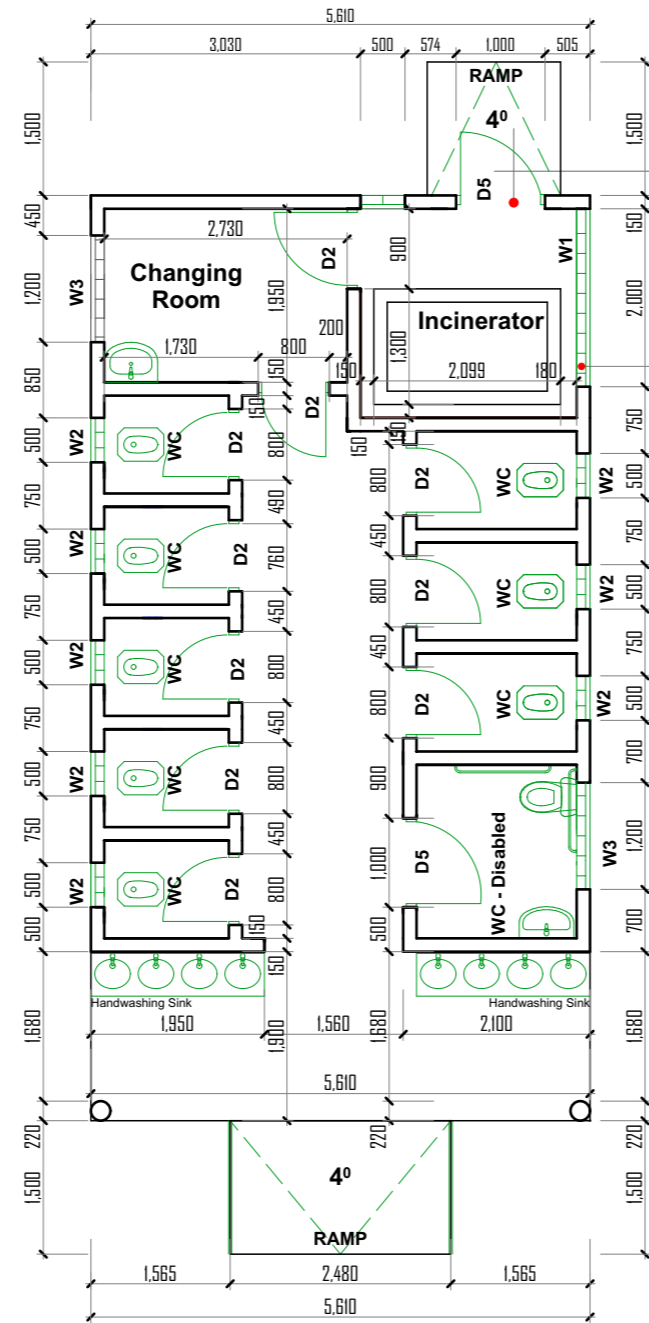
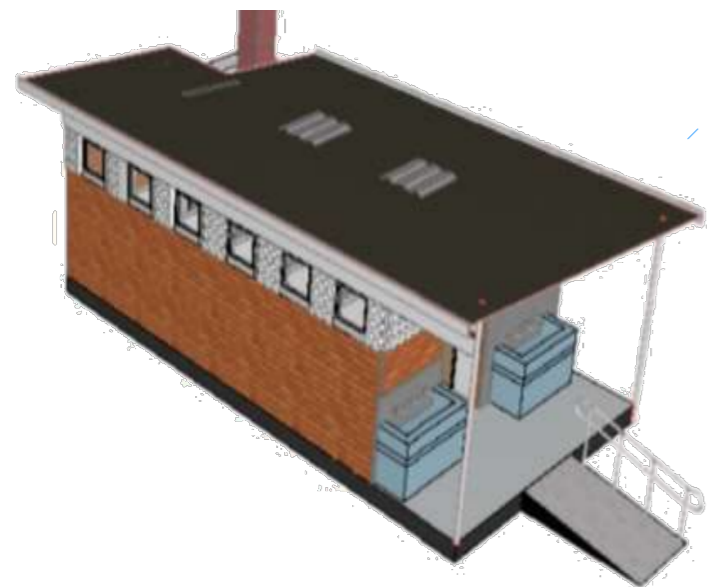
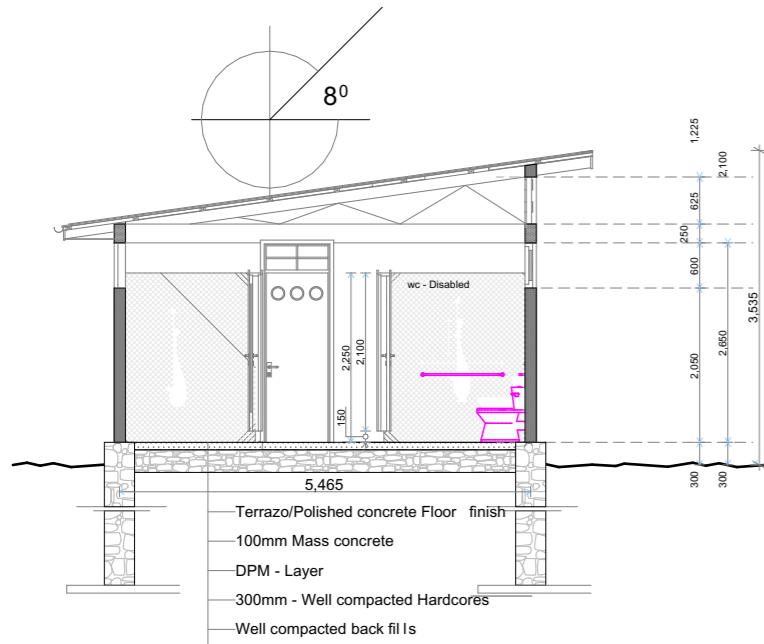
WEZESHA BINTI PROJEGT
BELGIAN AGENCY FOR INTERNA-
TIONAL COOPERATION
P.O BOX24 KIGOMA
TANZANIA

CONSULTANT



PEAKEY INTERNATIONAL CONSULTING
ENGINEERING
Consulting Excellence

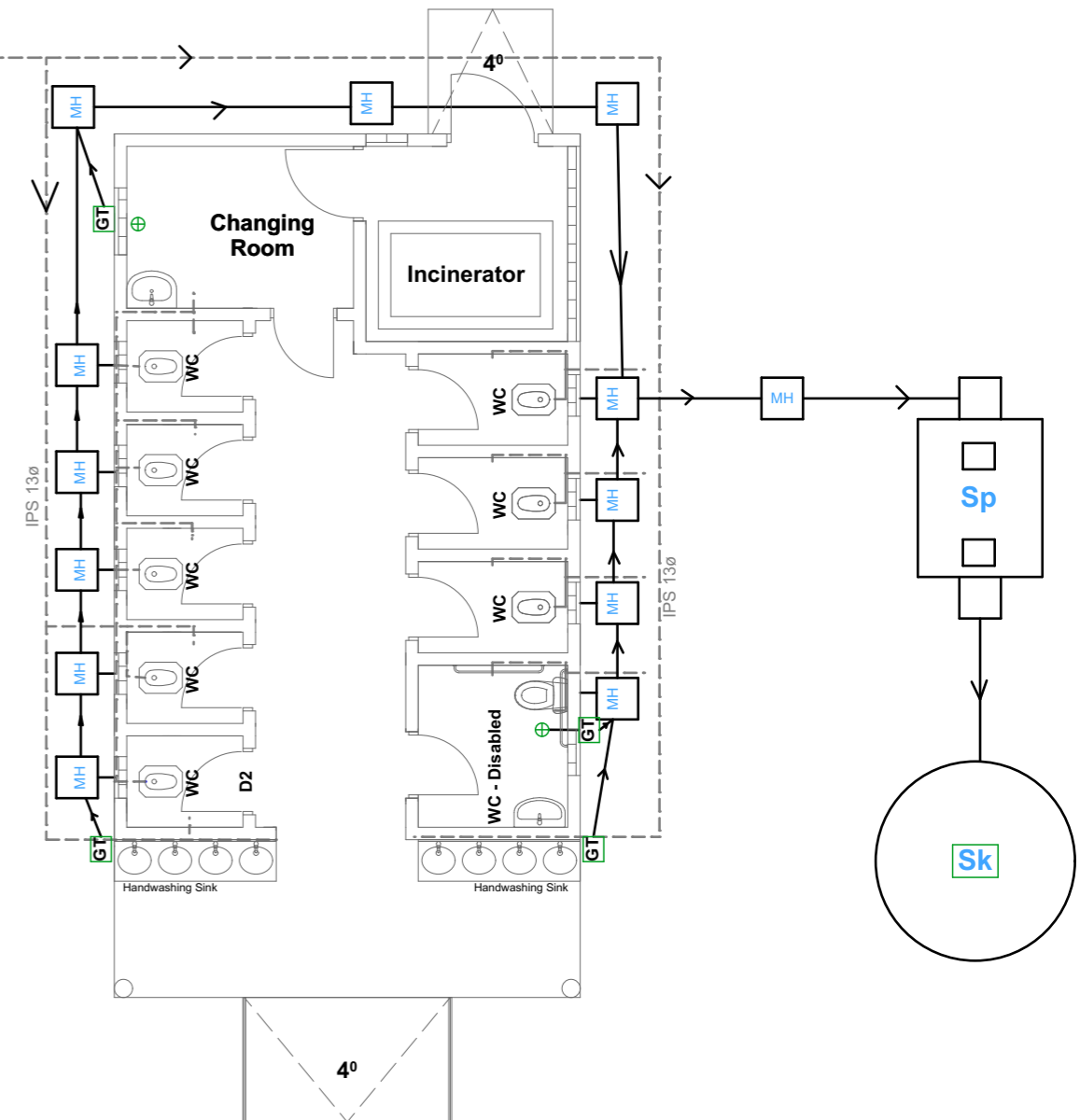
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Engineering Co . Ltd



Floor Plan

Grill door to include 3mm thick metal at the middle part and wire mesh at the bottom and top for security and privacy

Vented wall above 1500mm Coping on perforated wall of the with 50mm overhang to prevent water ingress.



Plumbing Plan

DOOR SCHEDULE

No.	TYPE	SIZE	LOCATION	No.
01.	D2	800/2100	WC	10
02.	D5	1000/2100	DISABLED & INCINERATOR ROOMS	02
TOTAL				12

WINDOW SCHEDULE

No.	TYPE	SIZE	SILL HEIGHT	LOCATION	No.
01.	W1	2000/2500	0000	CUBICLES & STORE	01
02.	W2	500/600	1900	TOILET	08
03.	W3	1200/600	1900	CHANGING ROOM & DISABLED	02
TOTAL					11

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WEZESHA BINTI PROJECT
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SWASH AT KIGOMA REGION



Kigoma MC
Kigoma DC
Kasulu TC
Kasulu DC
Kibondo DC

Client: REGIONAL COMMISSIONER'S OFFICE - KIGOMA
Supervisor: PEAKEY INTERNATIONAL CONSULTING ENGINEERING
Donor: WEZESHA BINTI ENABEL Belgian Development Agency
P.O. Box 24 Kigoma, Tanzania

Consultant:

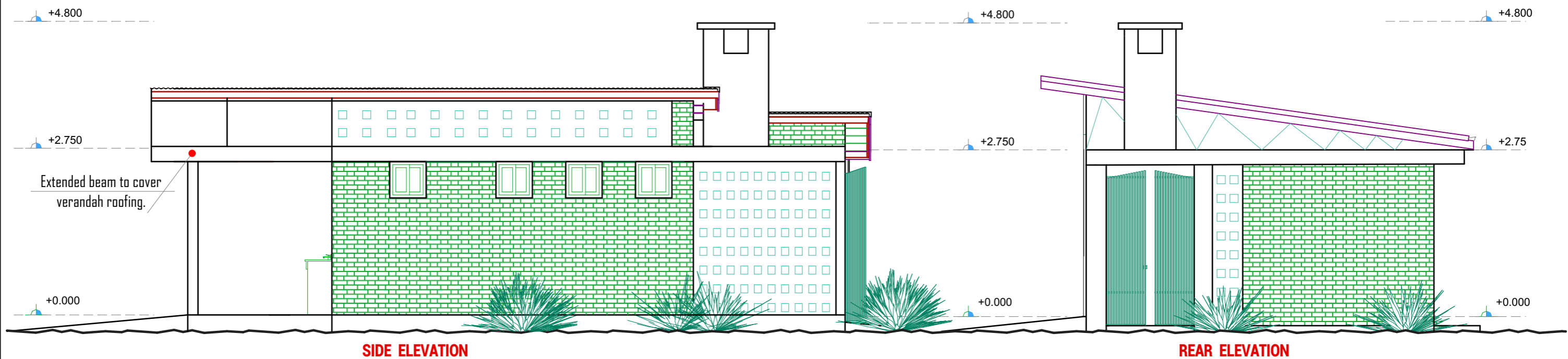
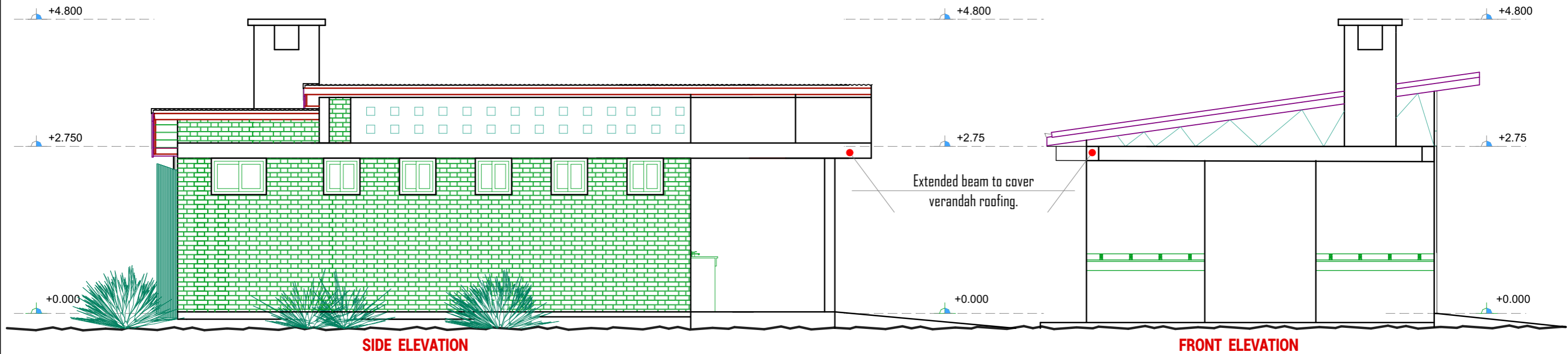





GENERAL NOTES

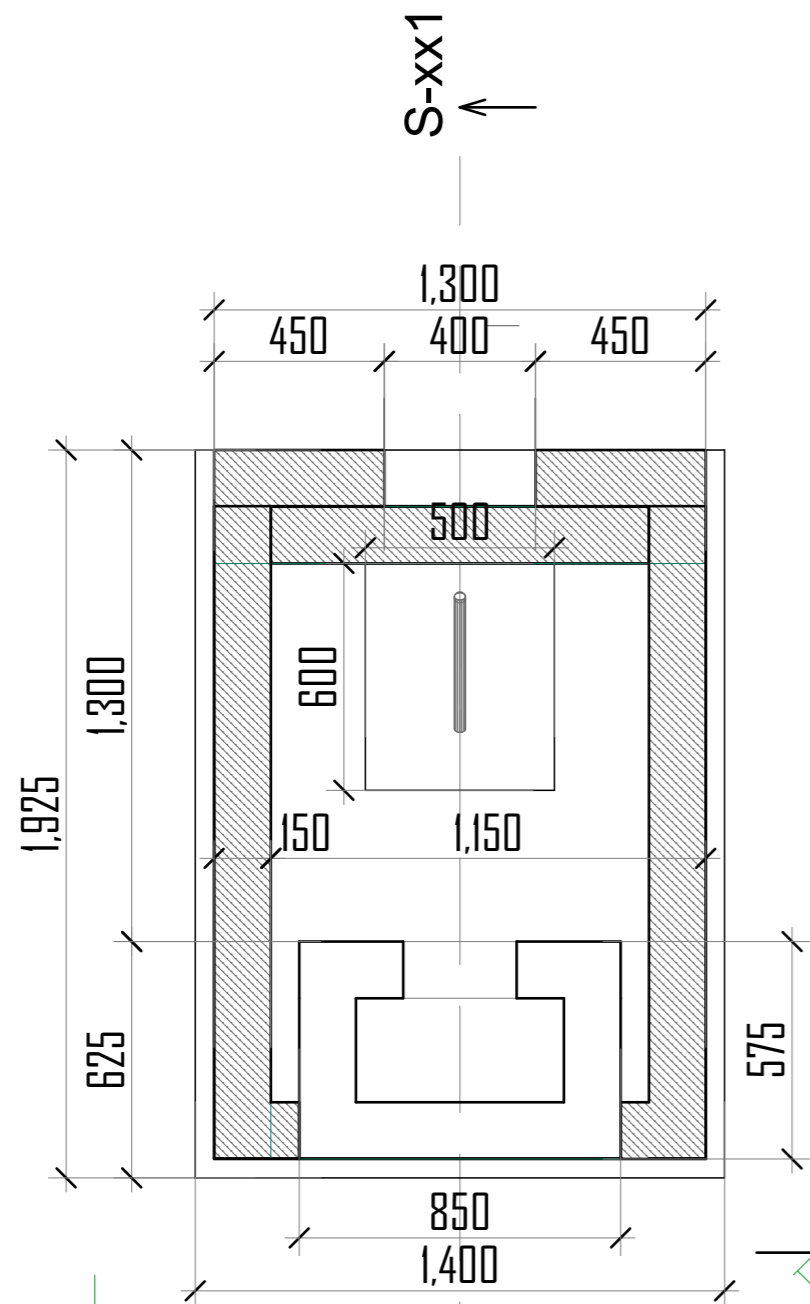
- All dimensions are in mm
- Depth of foundation may change due to subsoil condition
- Scale: Not to scale

BUILDING TYPE : GIRLS SWASH BUILDING.

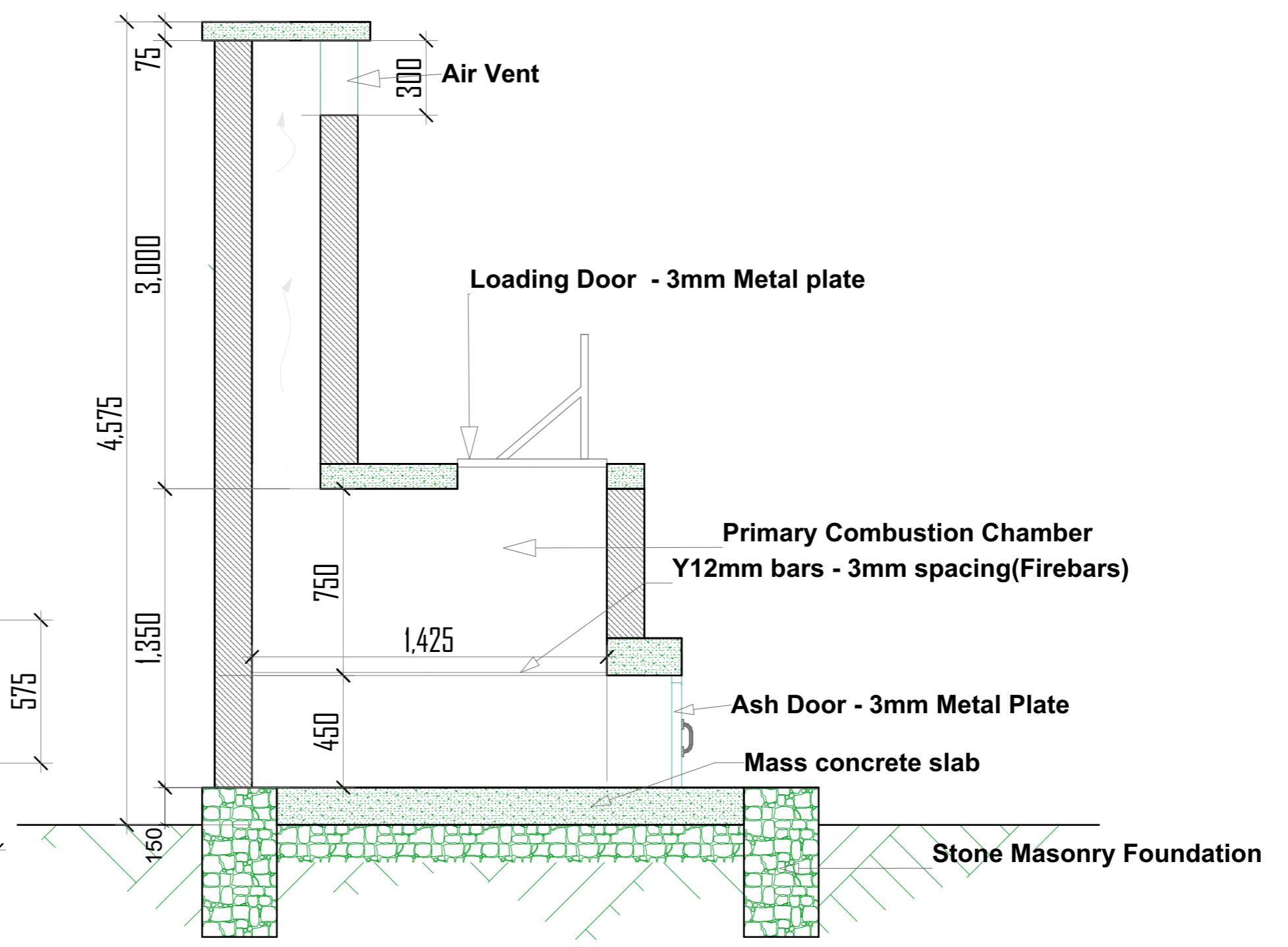
Drawing Title	SWASH BUILDING 01
Date	DECEMBER 2024
Scale	1:85
Design by	ENABEL
Checked by	PEAKEY INTERNATIONAL
Approved by	RE- RAS OFFICEKIGOMA



 WEZESHA BINTI PROJECT CONSTRUCTION OF GIRLS SWASH AT KIGOMA REGION		Kigoma MC	Client	REGIONAL COMMISSIONER'S OFFICE - KIGOMA	Consultant:  PEAKEY INTERNATIONAL CONSULTING ENGINEERING Consulting Excellence	GENERAL NOTES 1. All dimensions are in mm 2. Depth of foundation may change due to subsoil condition 3. Scale : Not to scale BUILDING TYPE : GIRLS SWASH BUILDING.	Drawing Title	SWASH BUILDING 02
		Kigoma DC					Date	DECEMBER 2024
		Kasulu TC	Supervisor	PEAKEY INTERNATIONAL CONSULTING ENGINEERING			Scale	1:85
		Kasulu DC					Design by	ENABEL
		Kibondo DC	Donor	WEZESHA BINTI ENABEL Belgian Development Agency P.O. Box 24 Kigoma, Tanzania			Checked by	PEAKEY INTERNATIONAL
							Approved by	RE- RAS OFFICEKIGOMA



PLAN



SECTION XX1

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Kigoma DC		
Kasulu TC	Supervisor	PEAKEY INTERNATIONAL CONSULTING ENGINEERING
Kasulu DC		
Kibondo DC	Donor	WEZESHA BINTI ENABEL Belgian Development Agency P.O. Box 24 Kigoma, Tanzania

Consultant:

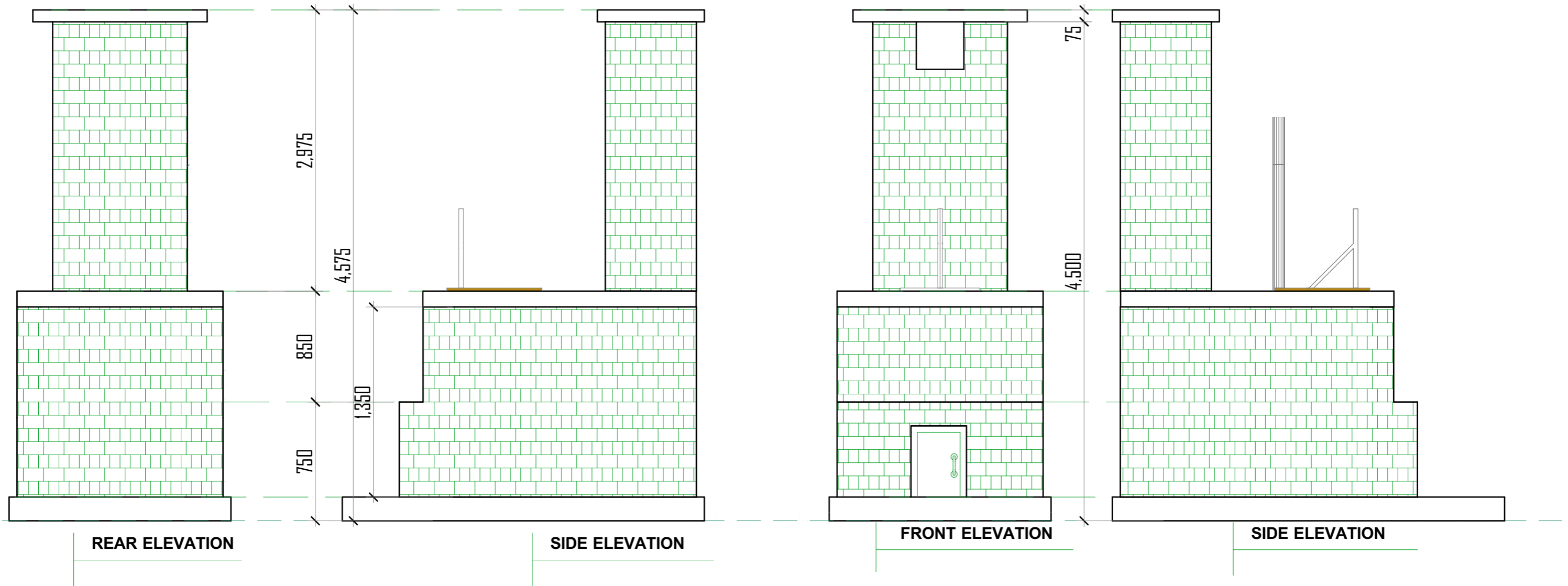
PEAKEY INTERNATIONAL CONSULTING ENGINEERING
 Consulting Excellence

GENERAL NOTES

- All dimensions are in mm
- Depth of foundation may change due to subsoil condition
- Scale : Not to scale

BUILDING TYPE : GIRLS SWASH BUILDING.

Drawing Title	SWASH BUILDING 03
Date	DECEMBER 2024
Scale	1:85
Design by	ENABEL
Checked by	PEAKEY INTERNATIONAL
Approved by	RE- RAS OFFICEKIGOMA



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Kigoma DC		
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Kasulu DC		
Kibondo DC	Donor	WEZESHA BINTI ENABEL Belgian Development Agency P.O. Box 24 Kigoma, Tanzania

Consultant:

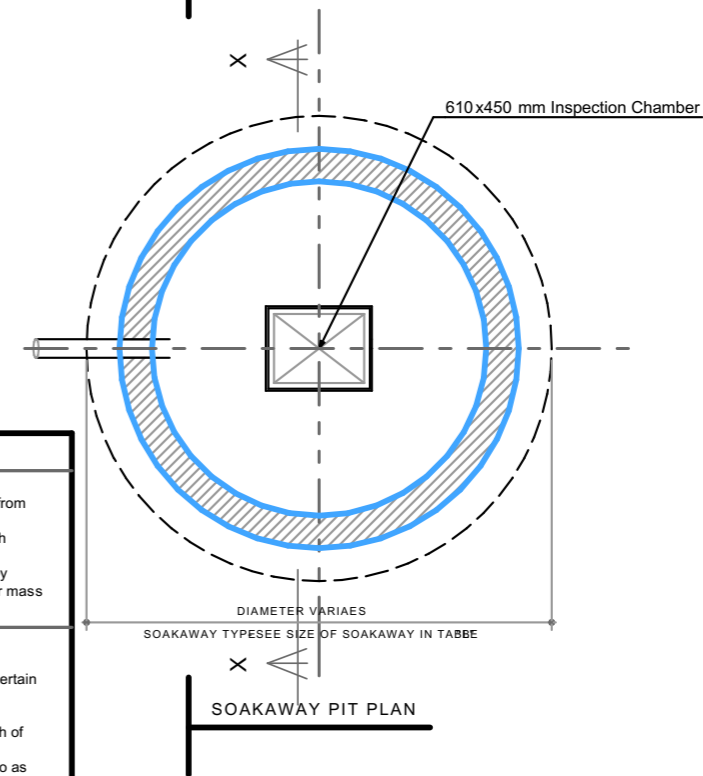
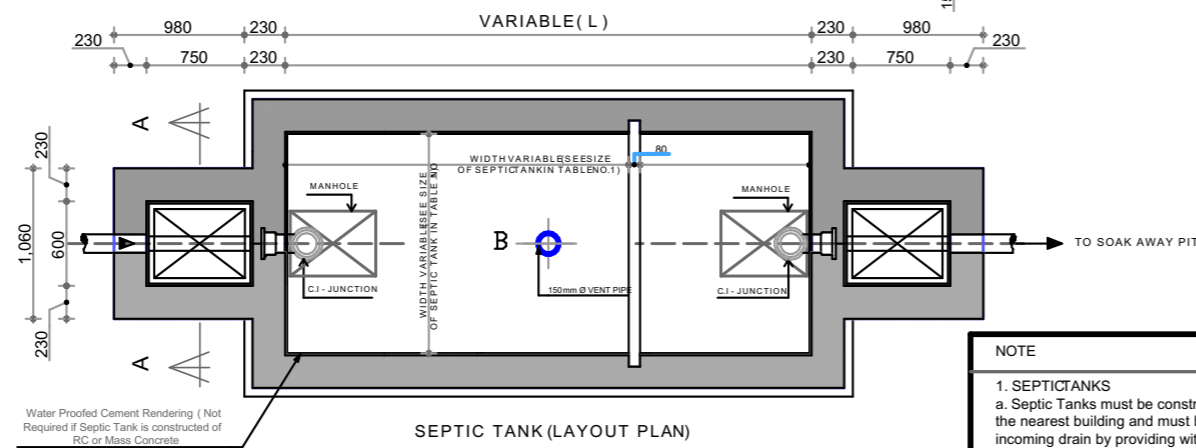
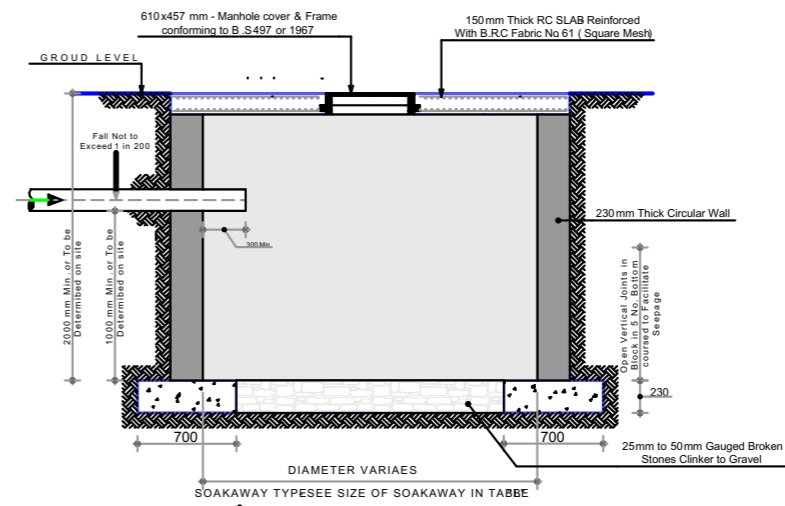
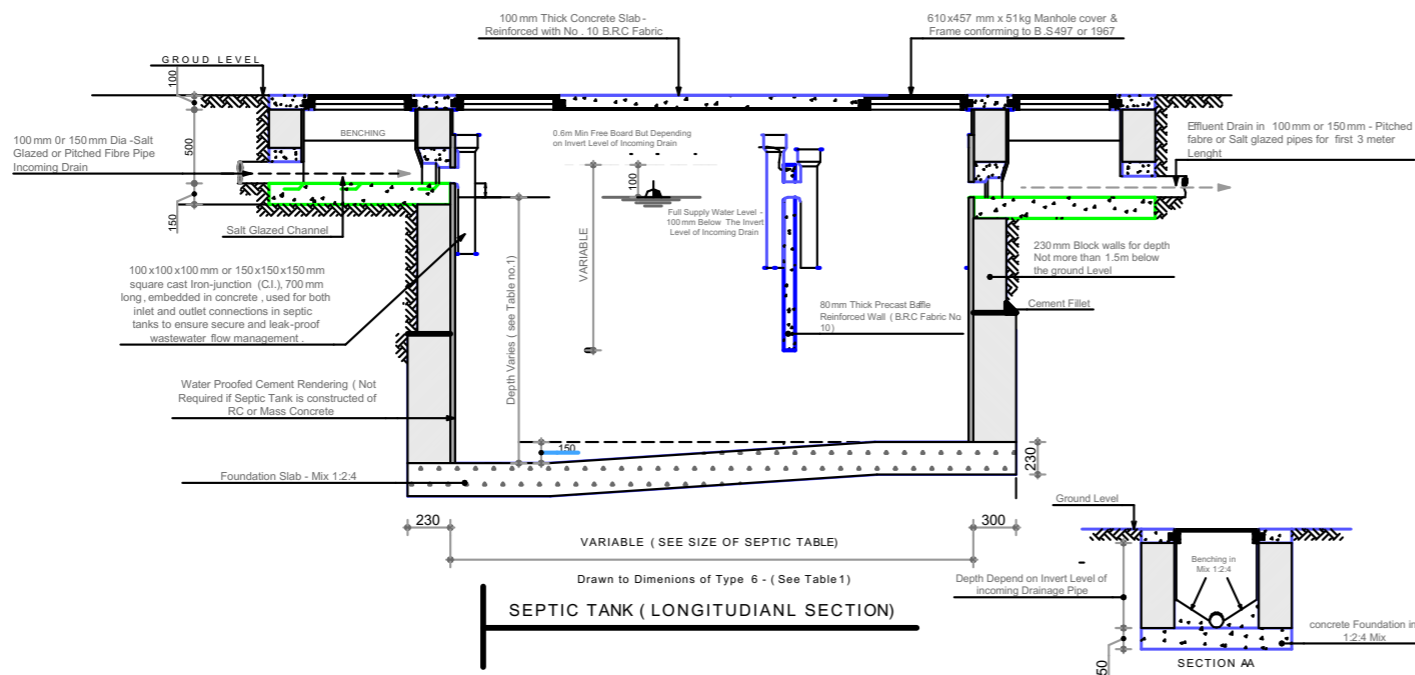
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ENGINEERING
Consulting Excellence

GENERAL NOTES

1. All dimensions are in mm
2. Depth of foundation may change due to subsoil condition
3. Scale : Not to scale

BUILDING TYPE : GIRLS SWASH BUILDING.

Drawing Title	SWASH BUILDING 04
Date	DECEMBER 2024
Scale	1:85
Design by	ENABEL
Checked by	PEAKEY INTERNATIONAL
Approved by	RE- RAS OFFICEKIGOMA



NOTE

1. SEPTICTANKS
 a. Septic Tanks must be constructed not less than 6m from the nearest building and must be vented back through incoming drain by providing with stack dully fitted with mosquito proofed screens
 b. Septic Must be constructed proofed (Water Tight) by adding "PUBLO" or some other water proofing agent or mass concrete and rendering

2. SOAKAWAY PIT
 a. PERCOLATION FACTOR
 Is the time (In min) taken by clear water to seep in a certain soil in a depth of one centimeter
 To ascertain a percolation factor
 1.) Dig a hole about 30x30cm size to the required depth of trench
 2.) Keep the wall filled with clear water for four hours so as to saturate the surrounding soil
 3.) Pour in clear water to fill the hole to a depth about 20cm
 4.) Note the time taken by the water to soakaway
 5.) To calculate the percolation factor , Divide the time period in (Min) by the depth of water in (cm)

3. GENERAL NOTE
 a. All dimensions are in mm except where mentioned otherwise
 b. All house hold and solid wastes are to be taken to septic tanks where connections to main sewers have been planned normally the soil wastes only are taken by the septic tanks except in the case as above while all other household wastes are dealt with separately and disposed of directly into soakage pit

4. CONCRETE WORKS
 a. For all reinforced concrete works the mixing shall be 1:2:4 by volume
 b. For all mass concrete the mixing shall be 1:3:6 by volume except mass concrete in septic tank where it shall be 1:2:4 by volume

5. PERCOLATION FACTORS
 Values less than 1.5 use sizes of soakage trenches, soakage pits and soakaways are given for percolations factors equal to greater than 1.5

TABLE "1" SEPTIC TANK SIZE

type	all wastes no. of users	no. of soil wastes users	dimension (m)			volume m ³	capacity litres
			L	W	D		
1		10	2.00	1.00	1.30	2.60	2.00
2	7	20	2.20	1.00	1.50	3.30	3.30
3	15	30	2.50	1.20	1.70	5.10	5.100
4	30	45	3.00	1.30	1.80	7.02	7.020
5	40	60	3.40	1.50	1.80	9.18	9.180
6	50	75	3.70	1.60	1.80	10.66	10.66
7	60	90	4.20	1.70	1.80	12.85	12.85
8	75	105	4.50	1.80	2.00	16.20	16.200
9	85	120	4.80	1.80	2.00	17.28	17.280

TABLE SOAKAWAY SIZE TYPE B

type	all wastes no. of users	soil wastes no. of users	diameter of soakaway (metres)							
			percolation factors							
			15	3.5	6.5	10	13	20		
1		10								
2	7	20	2.80	3.10	3.50	3.80	4.00	4.80		
3	15	30								
4	30	45	3.10	3.70	4.30	4.80	5.30	5.70		
5	40	60								
6	50	75	3.40	4.10	4.70	5.30	6.00	6.30		
7	60	90								
8	75	105	3.70	4.40	5.10	5.70	6.30	6.70		
9	85	120								

