PROJECT :

PROPOSED 20-UNITS MARKET SHED

CLIENT :

JUABOSO DISTRICT ASSEMBLY

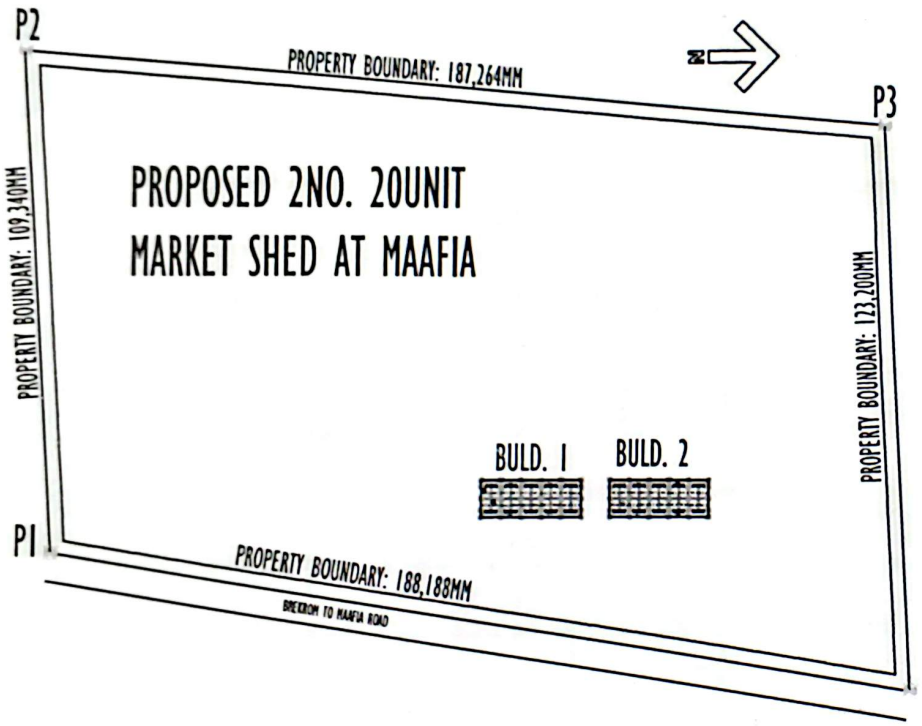
LOCATION:

MAFIA

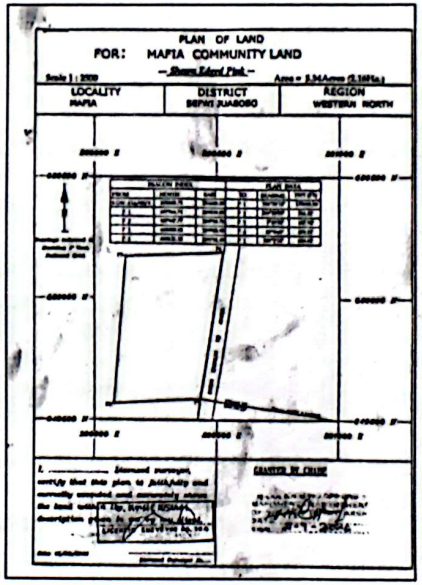
JUABOSO DISTRICT IN WESTERN NORTH REGION

GHANA

CamScanner



BLOCK AND SITE PLAN



NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1936

Engr. LUKEMAN KANZONI
(PET IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date - 24/08/2026

PROJECT :
PROPOSED 20-UNIT MARKET SHED

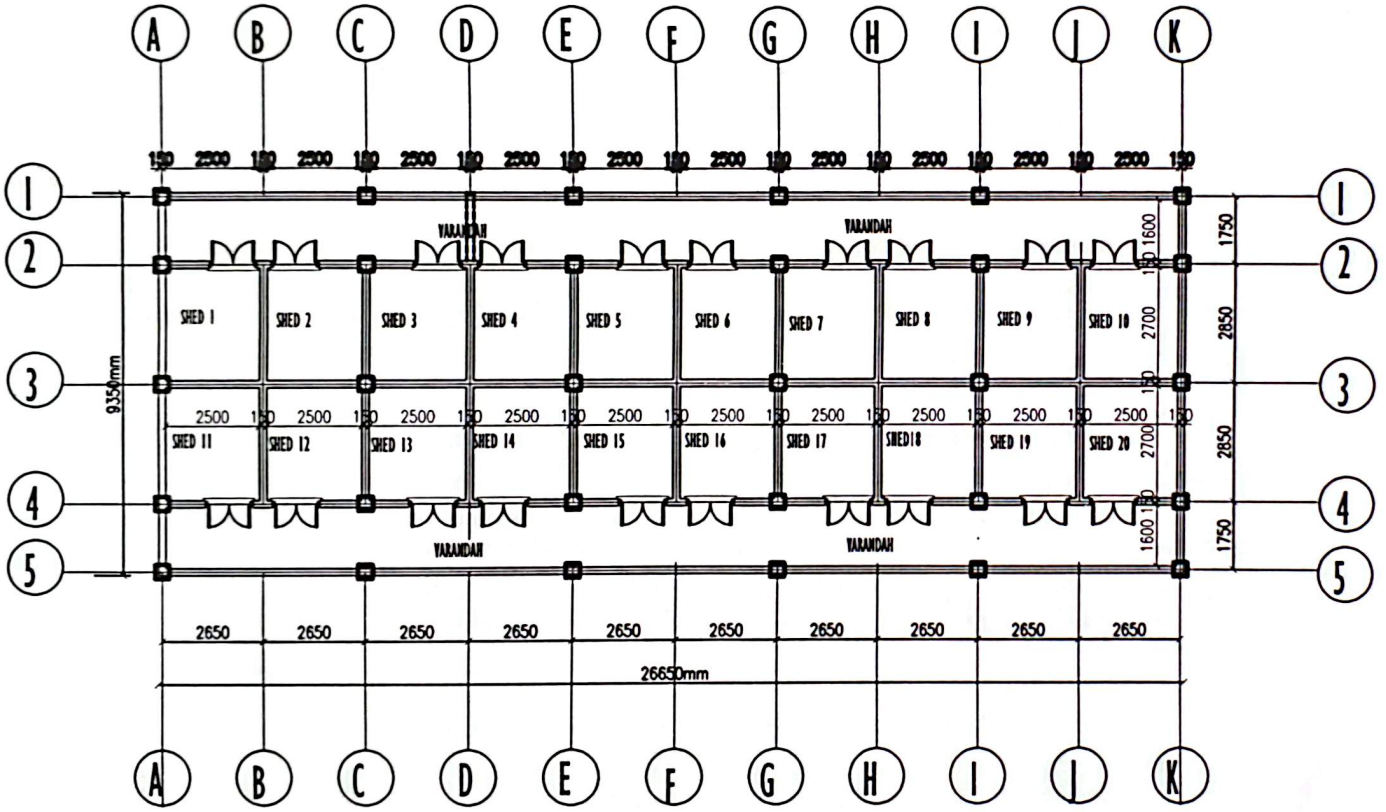
CLIENT :
JUABOSO DISTRICT ASSEMBLY

LOCATION:
JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

description :
BLOCK AND SITE

design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	JUNE. 2026
drawn by : ALFRED DJENI GNAMIAN (0208423345)	A 06	

CamScanner



GROUND FLOOR PLAN

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1936

Engr. LUKEMAN KANZON
(PETIET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date - 24/05/2027

PROJECT :
PROPOSED 20-UNIT MARKET SHED

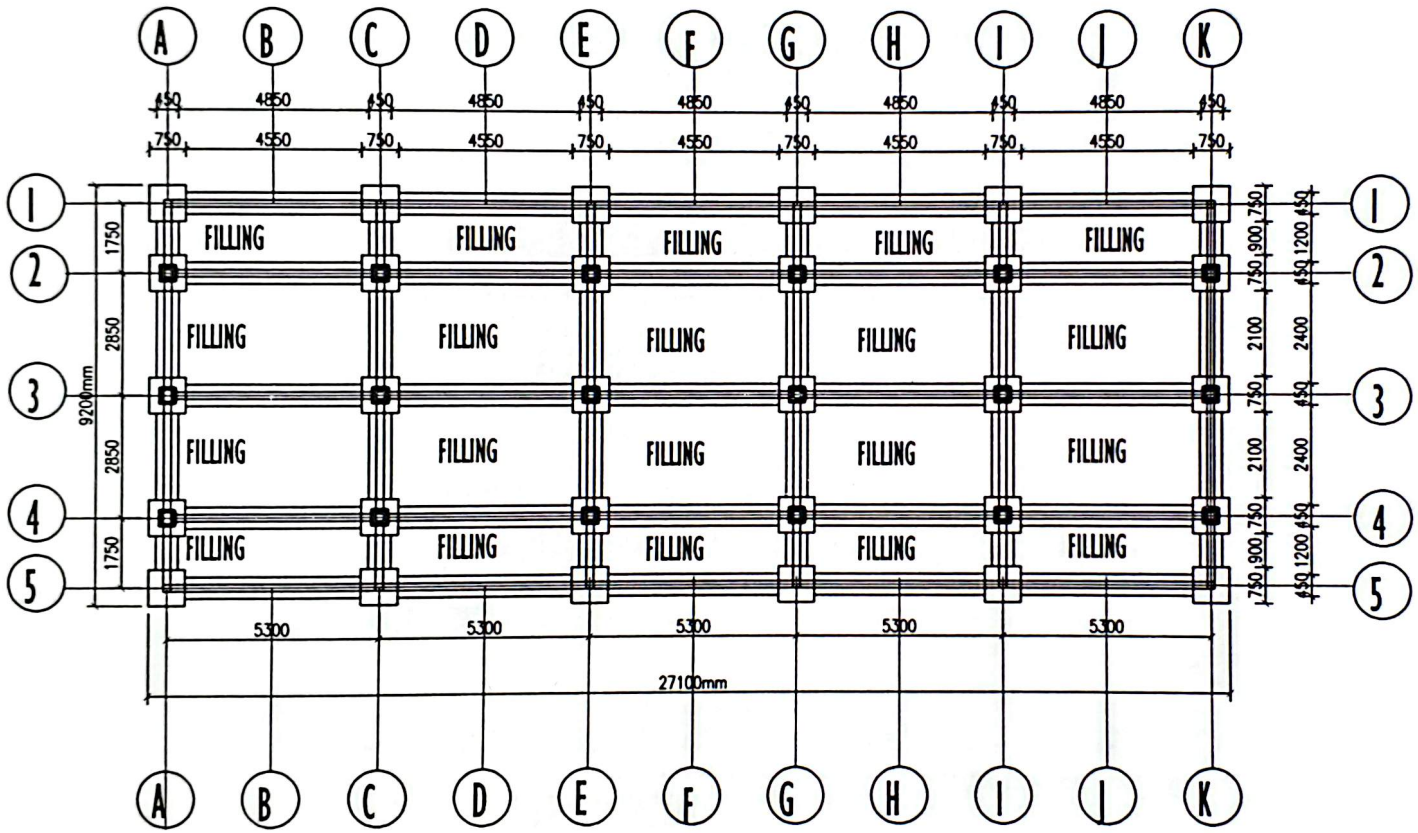
CLIENT :
JUABOSO DISTRICT ASSEMBLY

LOCATION:
JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

description :
GROUND FLOOR PLAN

design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	JUNE. 2026
drawn by : ALFRED DJENI GNAMIAN (0208420345)	A 01	

CamScanner



FOUNDATION PLAN

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1985

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG TECHNOLOGIST
Reg No. PET 0582
Date 24/01/2026

PROJECT :
PROPOSED 20-UNIT MARKET SHED

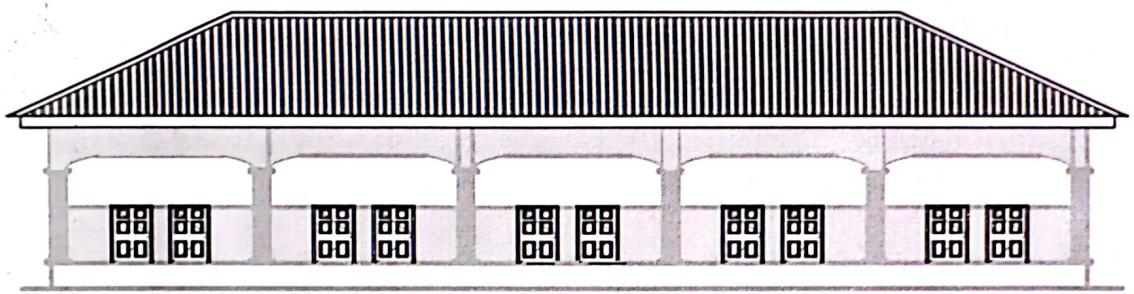
CLIENT :
JUABOSO DISTRICT ASSEMBLY

LOCATION:
JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

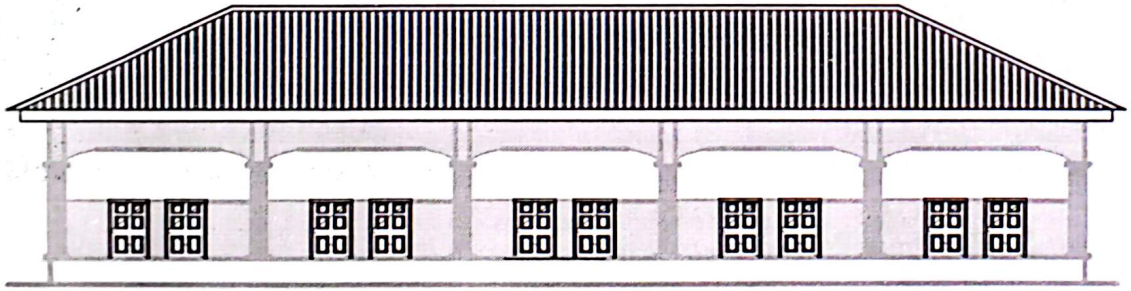
description :
FOUNDATION PLAN

design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	JUNE. 2026
drawn by : ALFRED DJENI GNAMIAN (0208420345)	A 02	

CamScanner



REAR ELEVATION



FRONT ELEVATION

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date : 24/04/2026

FOUNDED 1936

PROJECT :
PROPOSED 20-UNIT MARKET STALL

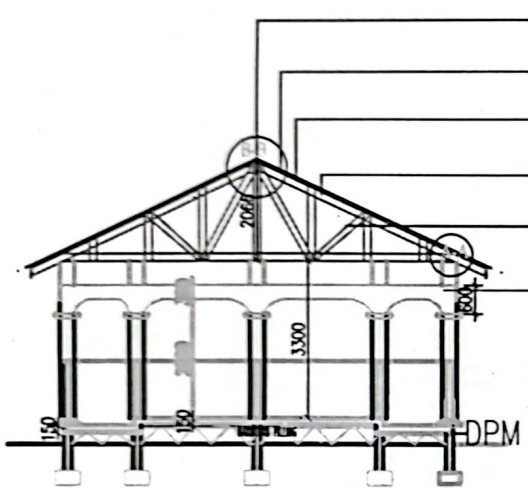
CLIENT :
JUABOSO DISTRICT ASSEMBLY

LOCATION:
JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

description : **ELEVATIONS**

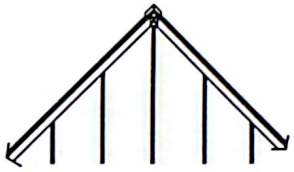
design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	AUGUST. 2025
drawn by : ALFRED OJENI GNAMIAN (0208420345)	A 03	

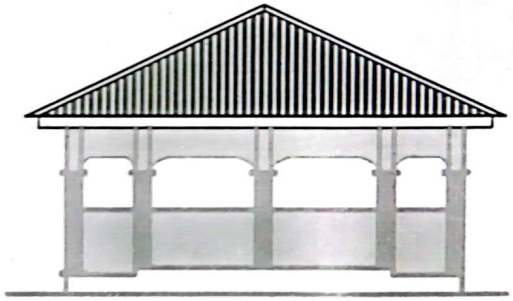
CamScanner



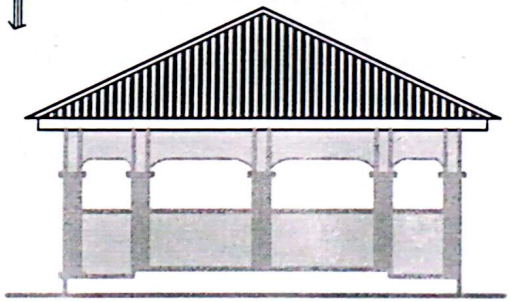
SECTION A-N







LEFT SIDE VIEW



RIGHT SIDE VIEW

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1956

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date 24/08/2026

PROJECT : PROPOSED 20-UNIT MARKET STALL

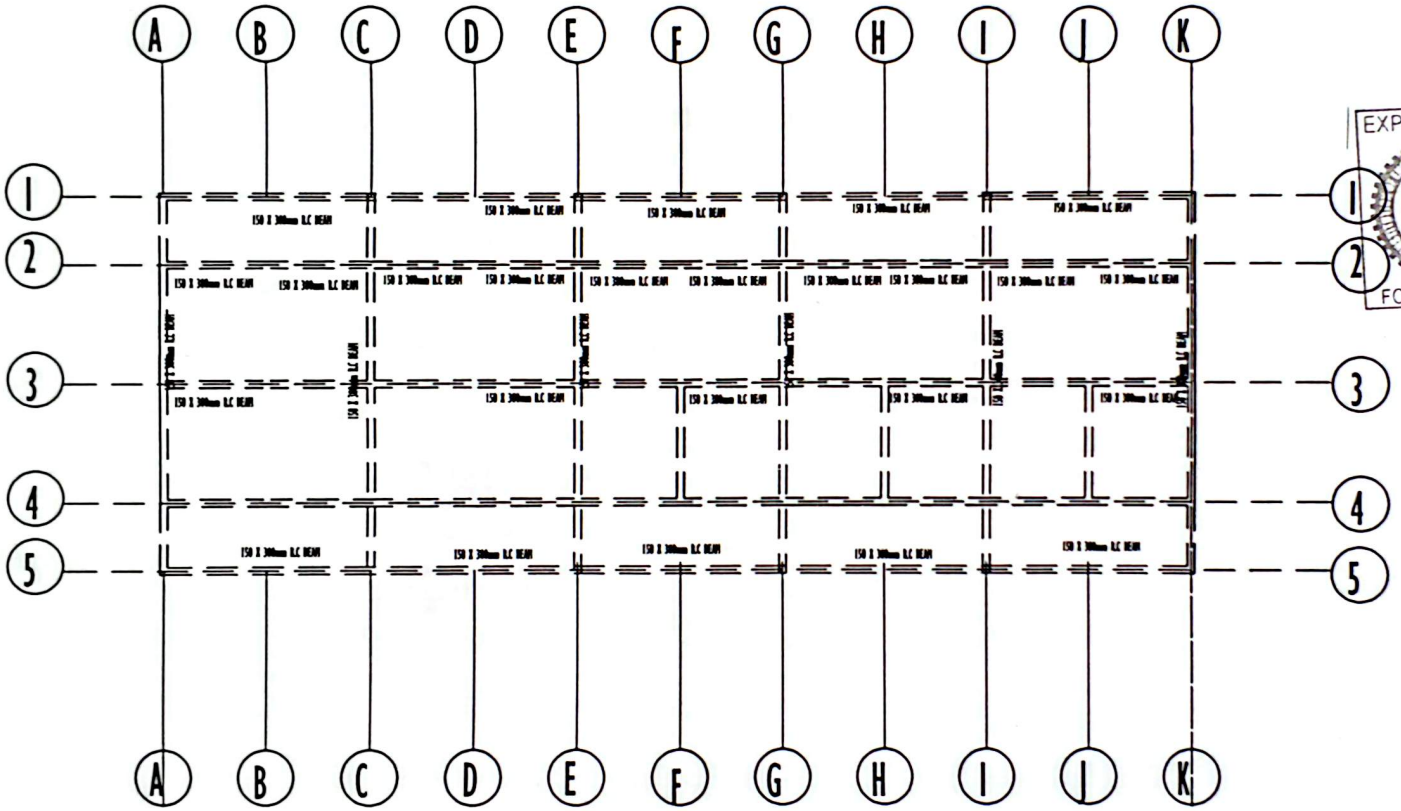
CLIENT : JUABOSO DISTRICT ASSEMBLY

LOCATION: JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

description : VIEWS

design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	AUGUST. 2025
drawn by : ALFRED DJENI GNAMAN (0208428345)	A 04	

CamScanner



BEAMS LAYOUT

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027
Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG TECHNOLOGIST
Reg No. PET 05821
Date: 24/08/2028
FOUNDED 1996

PROJECT :
PROPOSED 20-UNIT MARKET STALL

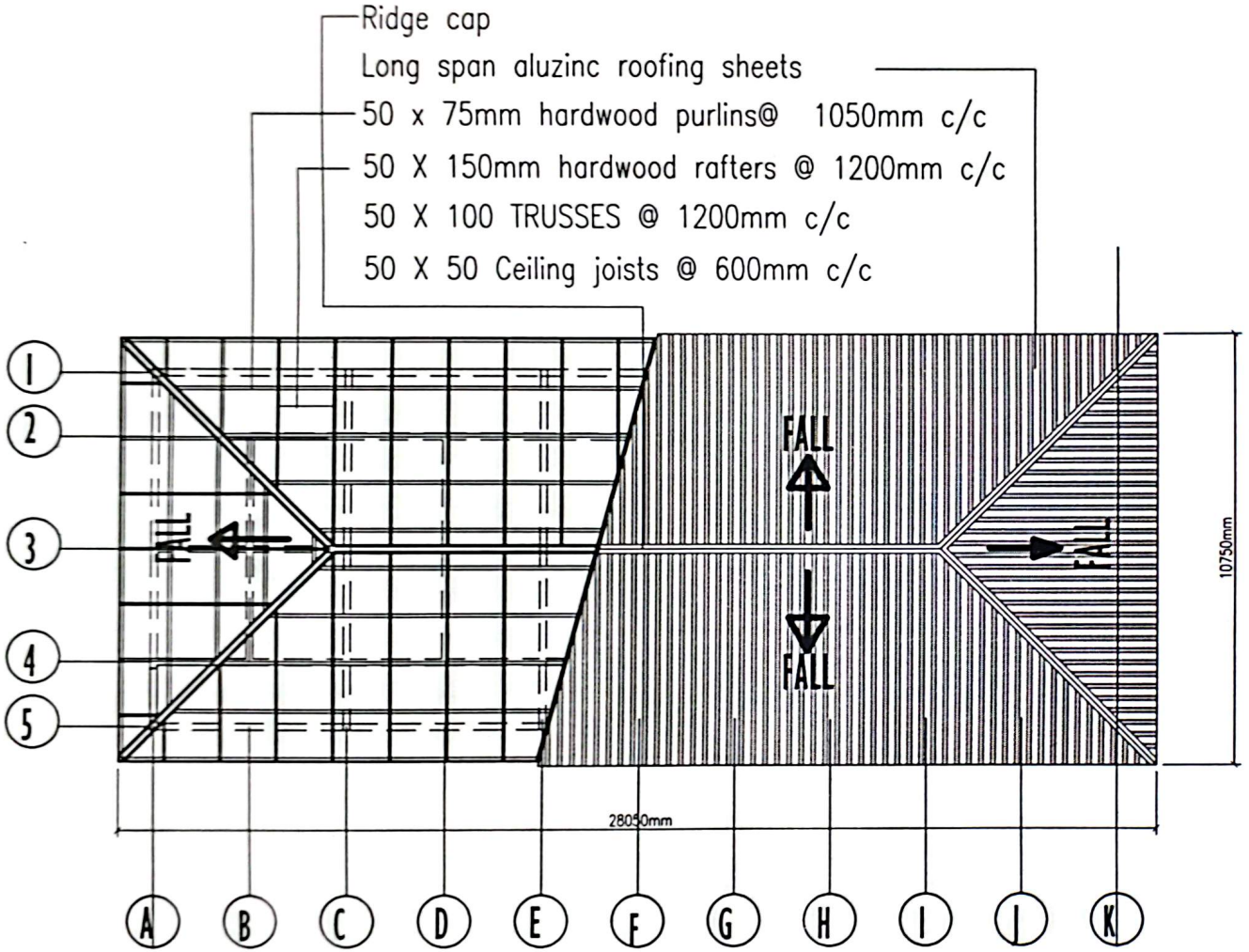
CLIENT :
JUABOSO DISTRICT ASSEMBLY

LOCATION:
JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

description :
BEAMS LAYOUT

design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	AUGUST. 2025
drawn by : ALFRED DJENI GNAMIAN (0208420345)	A 05	

CamScanner



GROUND FLOOR PLAN

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1936

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET/05221
Date 24/06/2026

PROJECT : **PROPOSED 20-UNIT MARKET SHED**

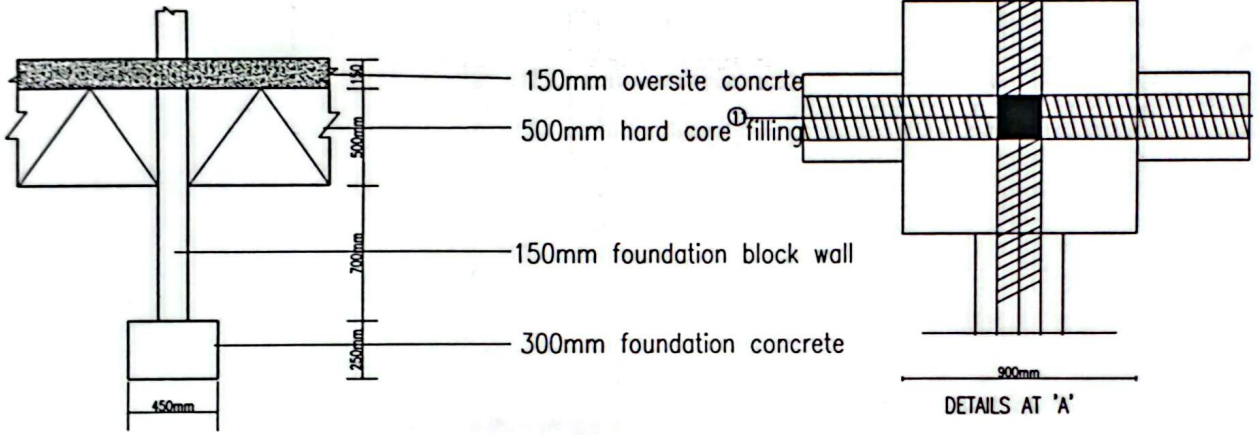
CLIENT : **JUABOSO DISTRICT ASSEMBLY**

LOCATION: **JUABOSO DISTRICT IN WESTERN NORTH REGION GHANA**

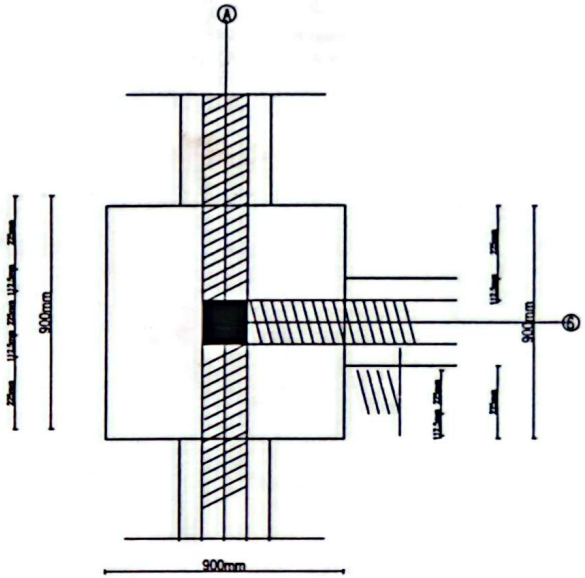
description : **ROOFING PLAN**

design by :	scale	date
MR. A. G. NYAMEAH	1 : 100	JUNE. 2026
drawn by : ALFRED OJENI GNAMIAN (0208420340)	A 06	

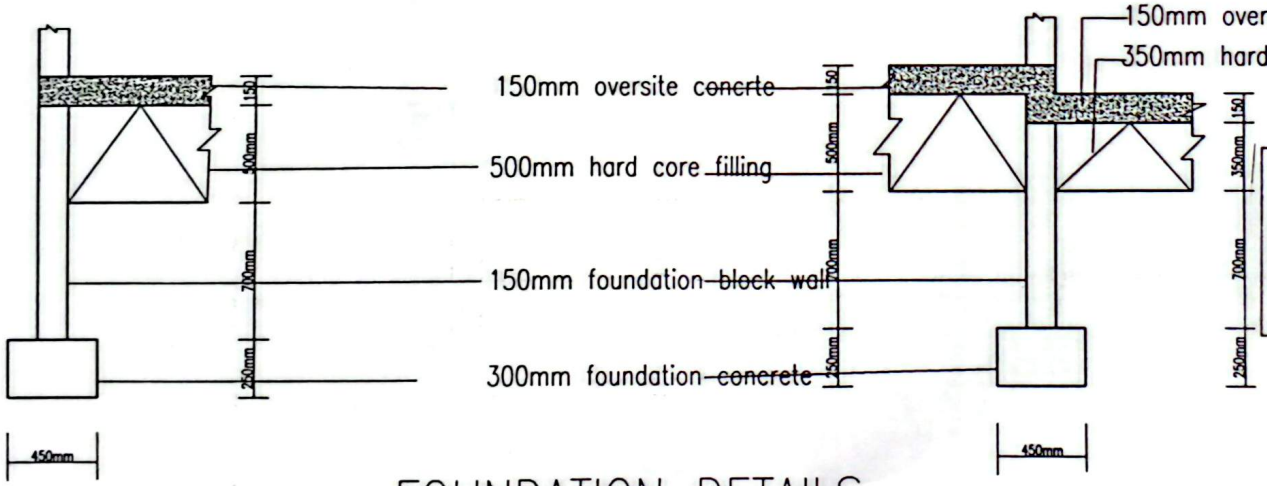
CamScanner



DETAILS AT 'A'



DETAILS AT 'G'



FOUNDATION DETAILS

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1986

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG TECHNOLOGIST
Reg No. PET 0582
Date 24/08/2026

PROPOSED 20-UNIT HABITAT STALL

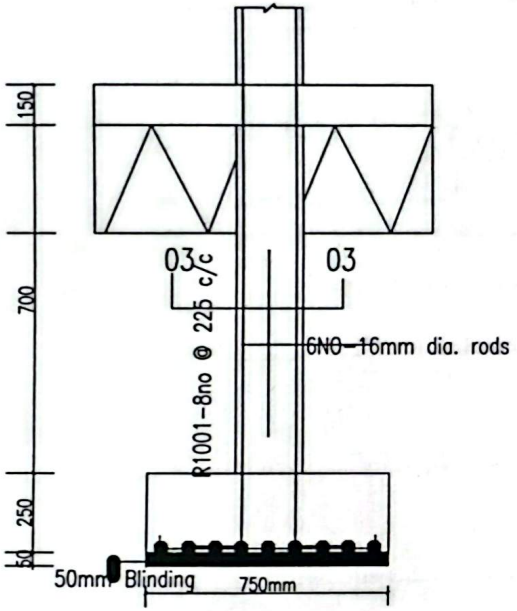
CLIENT: ISABOSO DISTRICT ASSEMBLY

LOCATION: ISABOSO DISTRICT IN WESTERN NORTH REGION GHANA

DESCRIPTION: FOUNDATION DETAILS

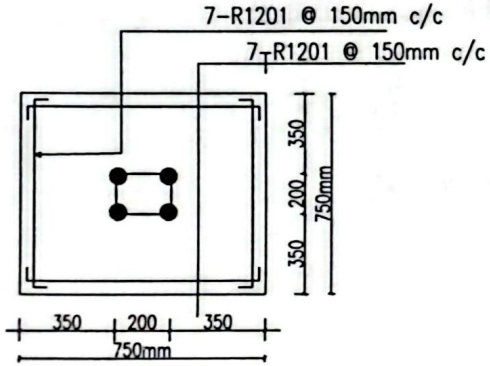
	scale	date
	1:100	June 2025
		A 07

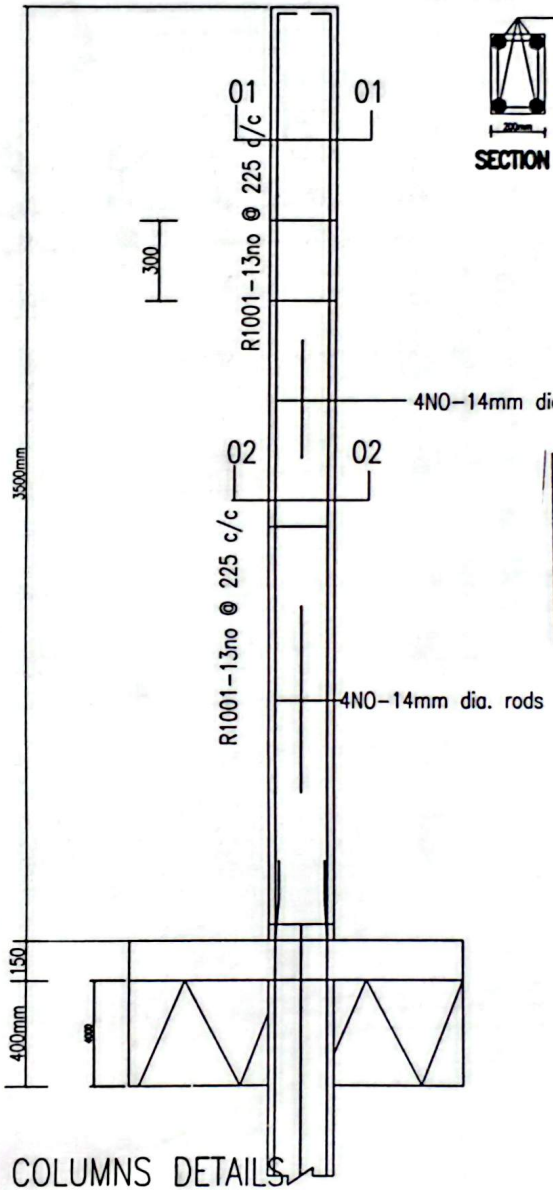
CamScanner



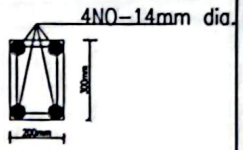
BASE TYPE B1

13NO THUG





R.C. COLUMNS DETAILS



SECTION 01–01

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1986

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 0582
Date: 24.05.2026

PROJECT: PROPOSED 20-UNIT MARKET STALL

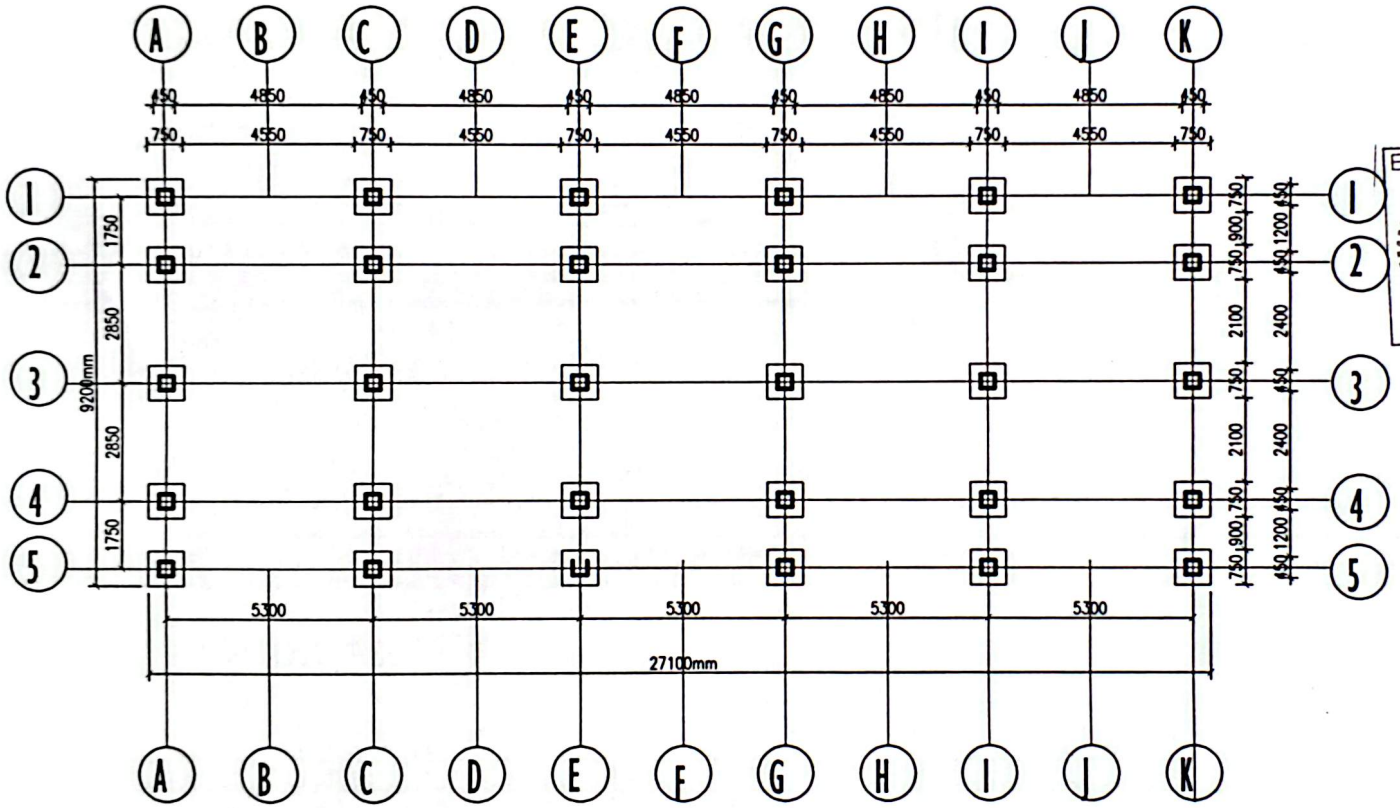
CLIENT: JUABOSO DISTRICT ASSEMBLY

LOCATION: JUABOSO DISTRICT IN WESTERN NORTH REGION GHANA

description: R.C COLUMNS

scale	date
1:100	AUGUST 2025
A 07	

CamScanner



COLUMNS LAYOUT

NOTE

PLEASE DO NOT SCALE DRAWING

EXPIRY 01/2027

FOUNDED 1936

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG TECHNOLOGIST
Reg No. PET 05821
Date 24/08/2026

PROJECT :
PROPOSED 20-UNIT MARKET SHED

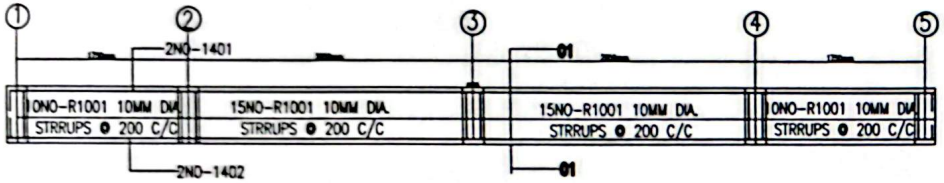
CLIENT :
JUABOSO DISTRICT ASSEMBLY

LOCATION:
JUABOSO DISTRICT IN WESTERN NORTH REGION
GHANA

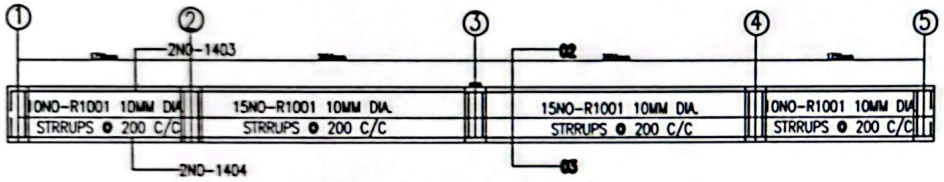
description :
FOUNDATION PLAN

design by :	scale	date
MR. A. G. NYAMEAH	1:100	JUNE. 2026
drawn by : ALFRED OJENI GNAMIAN (0208420345)	A 08	

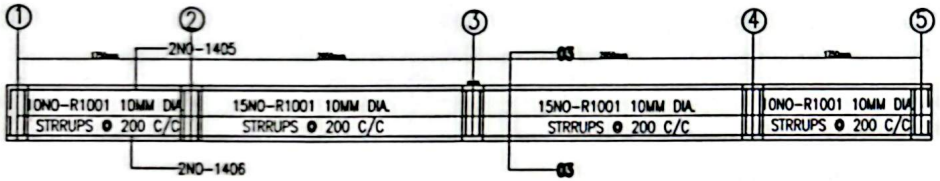
CamScanner



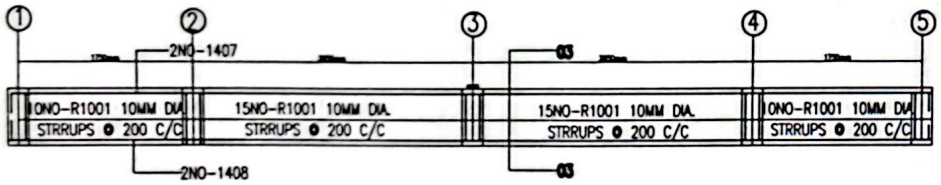
BEAM ON GRID LINE A-A,



BEAM ON GRID LINE C-C

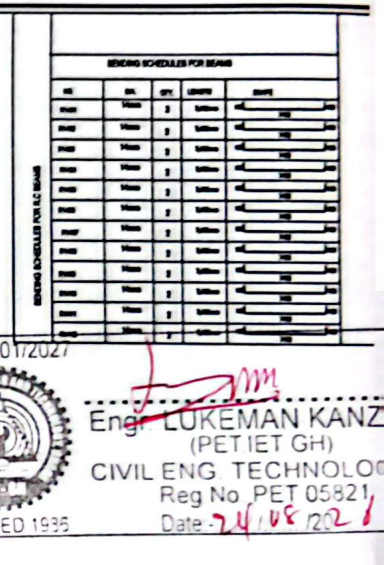


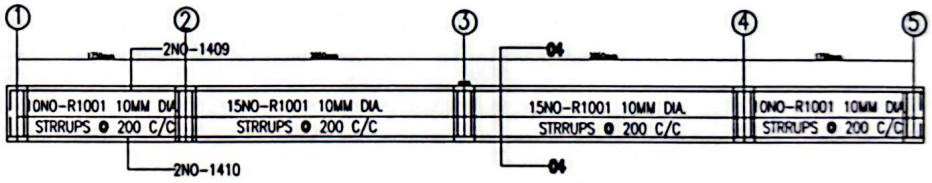
BEAM ON GRID LINE E-E



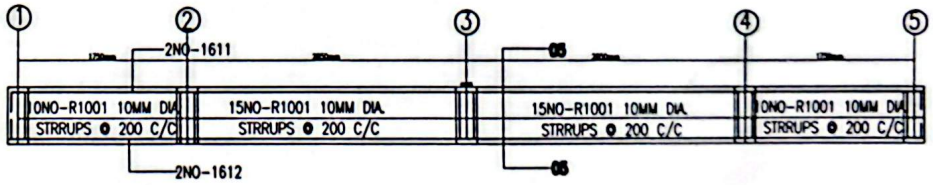
BEAM ON GRID LINE G-G







BEAM ON GRID LINE I-I

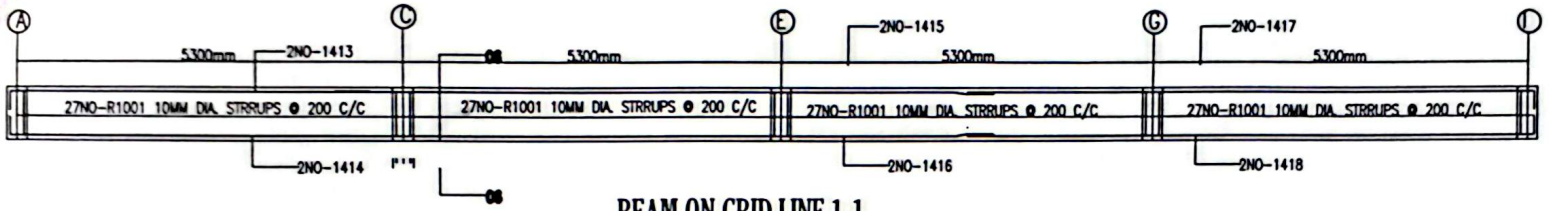


BEAM ON GRID LINE K-K

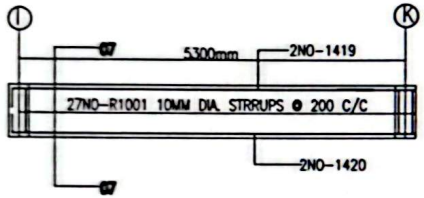


REINFORCEMENT BEAMS DETAILS

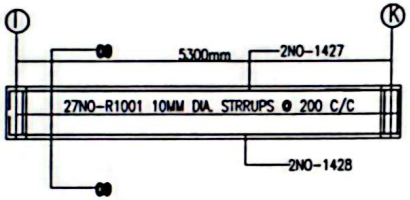
CamScanner



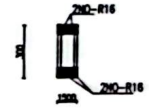
BEAM ON GRID LINE 1-1



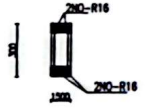
BEAM ON GRID LINE 1-1



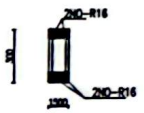
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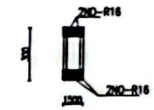
SECTION 06-06



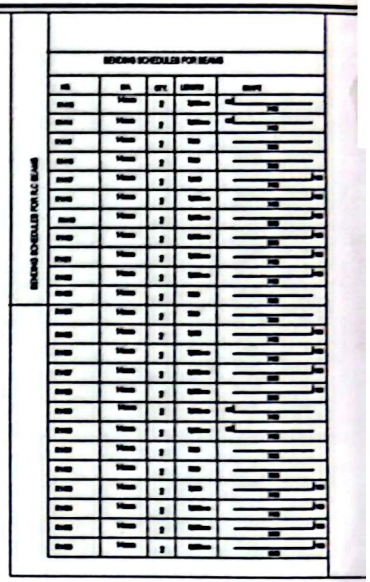
SECTION 07-07

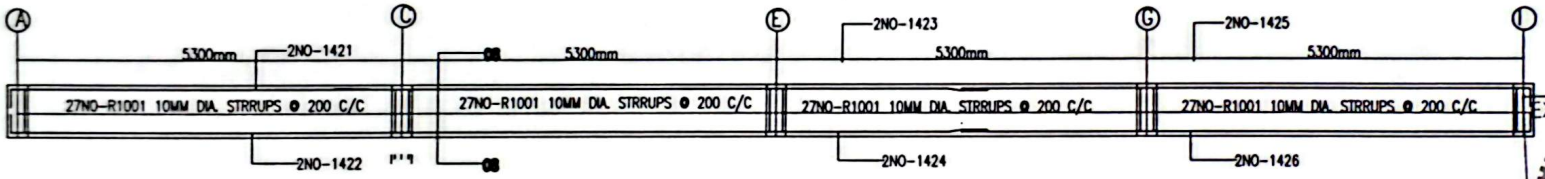


SECTION 08-08

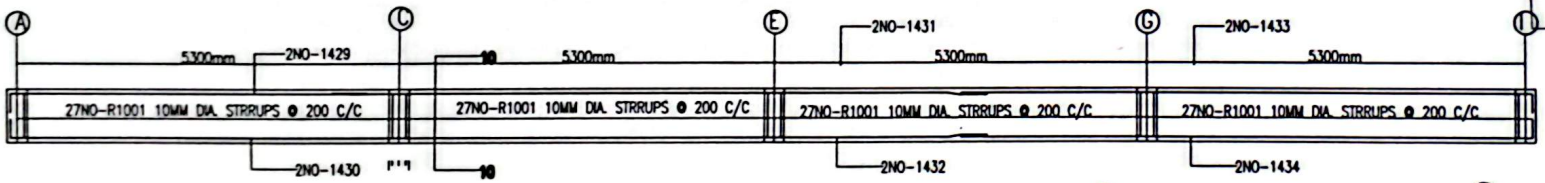


SECTION 09-09

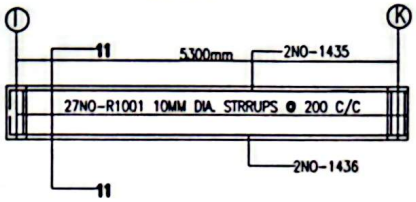




BEAM ON GRID LINE 2-2



BEAM ON GRID LINE 3-3



BEAM ON GRID LINE 3-3

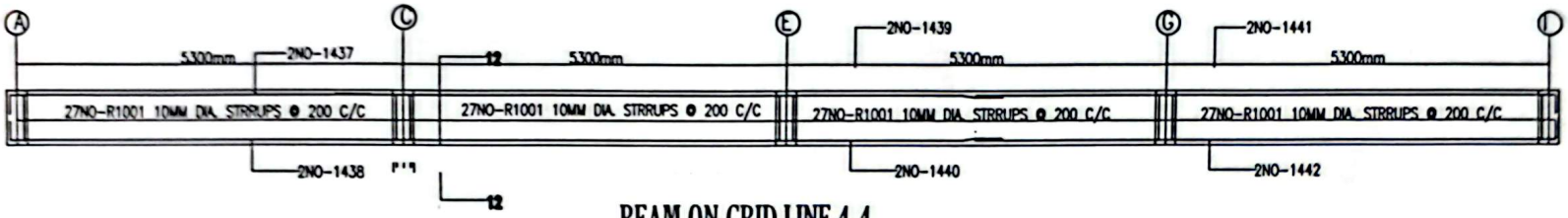
REINFORCEMENT BEAMS DETAILS

EXPIRY 01/2027

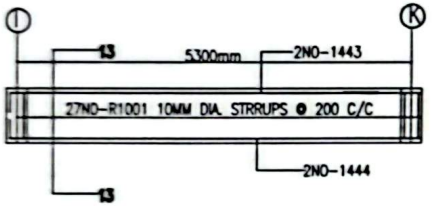
FOUNDED 1995

Engr. LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG. TECHNOLOGIST
Reg.No. PET 05821
Date 24/08/2026

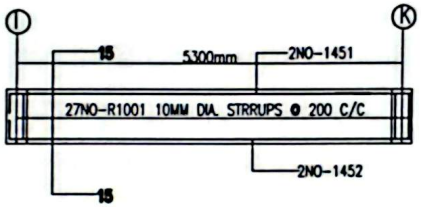
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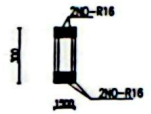
BEAM ON GRID LINE 4-4



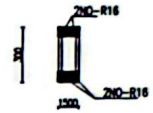
BEAM ON GRID LINE 4-4



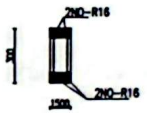
BEAM ON GRID LINE 5-5



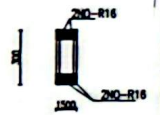
SECTION 06-06



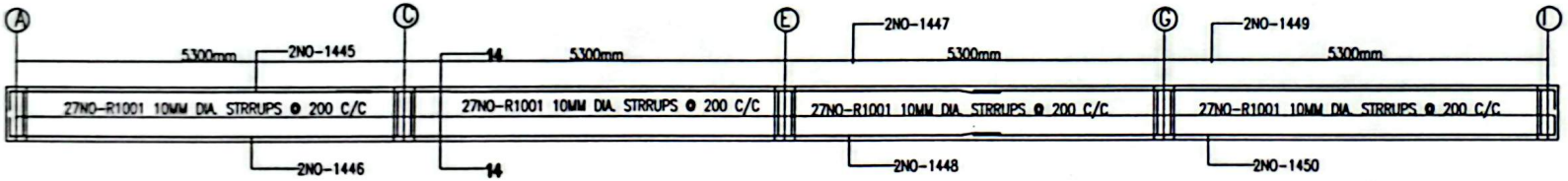
SECTION 07-07



SECTION 09-09



SECTION 08-08



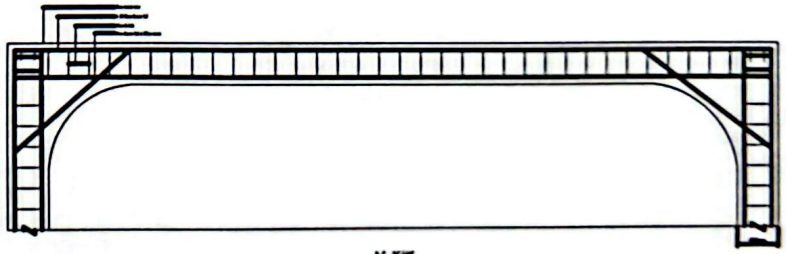
BEAM ON GRID LINE 5-5

EXPIRY 01/2027

FOUNDED 1936

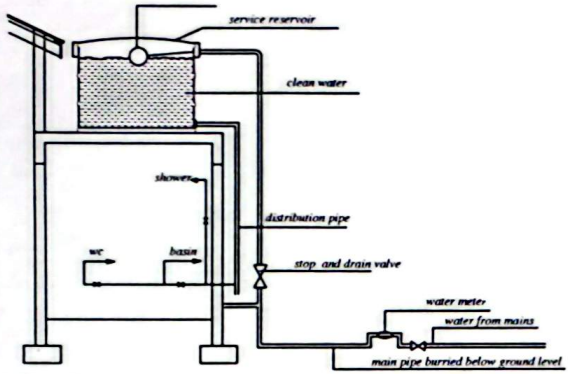
Engr LUKEMAN KANZONI
(PETIET GH)
CIVIL ENG TECHNOLOGIST
Reg No PET 05821
Date 24/06/2026

REINFORCEMENT BEAMS DETAILS



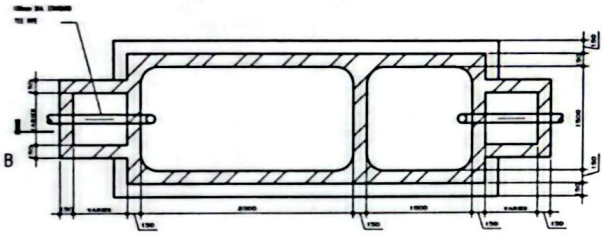


CamScanner

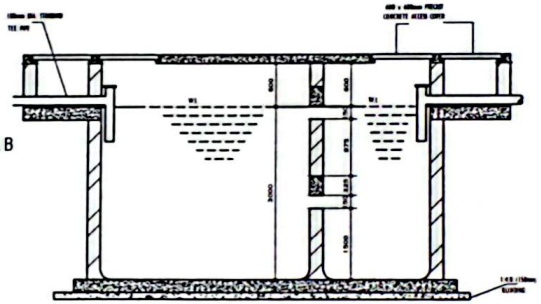


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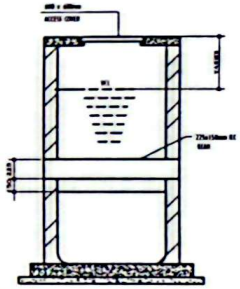
EXPIRY 01/2027
Engr. LUKEMAN KANZONI
(PET IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date: 24/08/2026
FOUNDED 1936



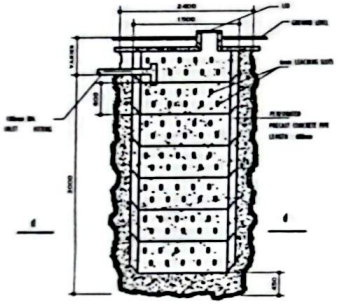
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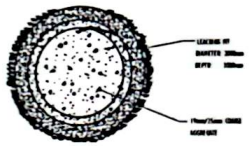
SECT B-B



CROSS SECTION

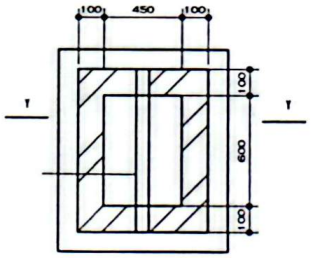


DETAIL OF LEACHING PIT

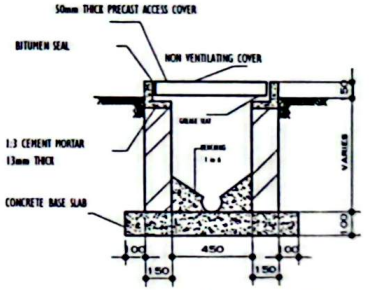


SECTION d - d

MANHOLE DETAILS



PLAN



SECTION Y-Y

FENCE WALL & SEPTIC TANK DETAILS

PROJECT :
PROPOSED SEPTIC TANK

CLIENT :
JUABOSO DISTRICT ASSEMBLY

TITLE :
SEPTIC TANK DETAILS

DESIGNED BY :

SCALE: 1: 100

DATE: AUGUST, 2026

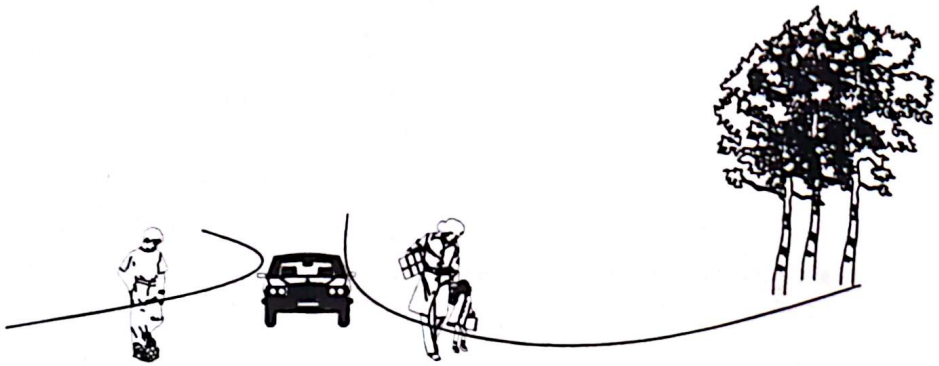
CamScanner

PROJECT

CONSTRUCTION OF 1 NO. 4 UNIT TOILET WITH TWO(2) URINAL IN THE JUABOSO DISTRICT OF THE WESTERN NORTH REGION,GHANA.

CLIENT

JUABOSO DISTRICT ASSEMBLY

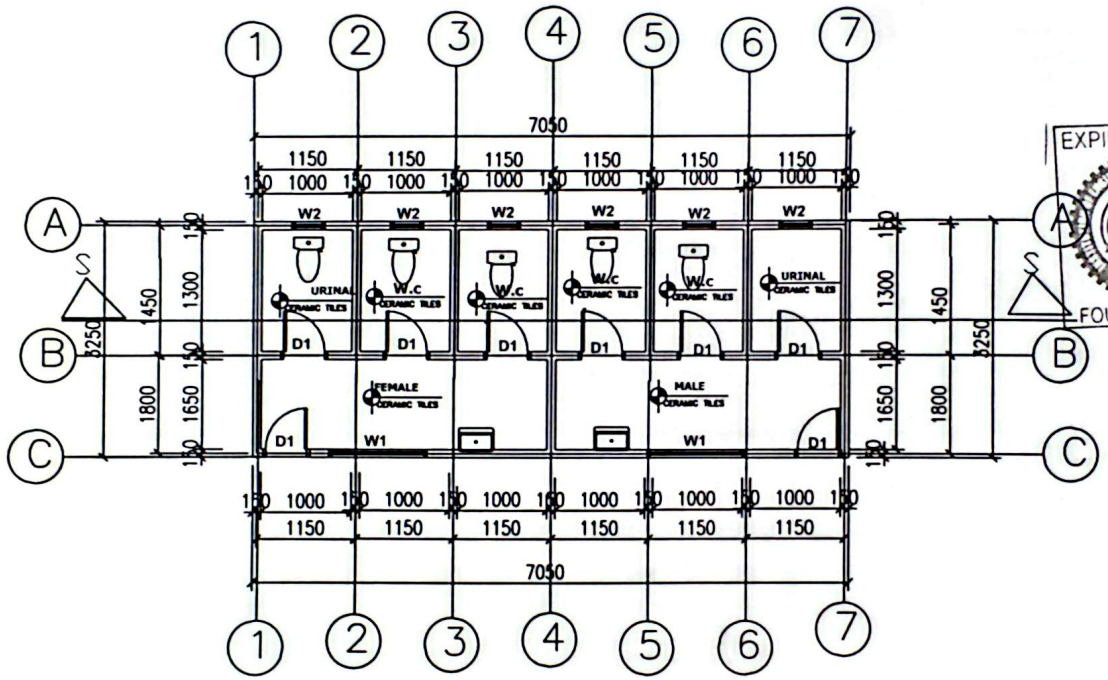


HIGH-TECH CONSULT

Hotline:

0242767278/0205355359

CamScanner



GROUND FLOOR PLAN

NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

All dimensions are in millimetres.

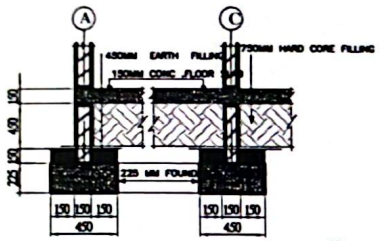
EXPIRY 01/2027

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Engr. LUKEMAN KANZONI
(PET IET GH)
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Reg No. PET 05821
Date - 21/08/2026

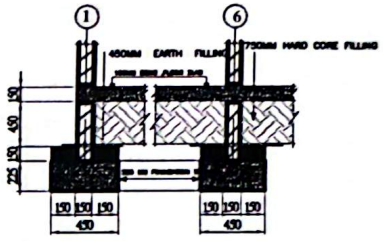
project: CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL	sheet no. 1
client:	
description: As shown	Designed:
	Drawn by:
	Date:
	Scale: 1 : 100

CamScanner



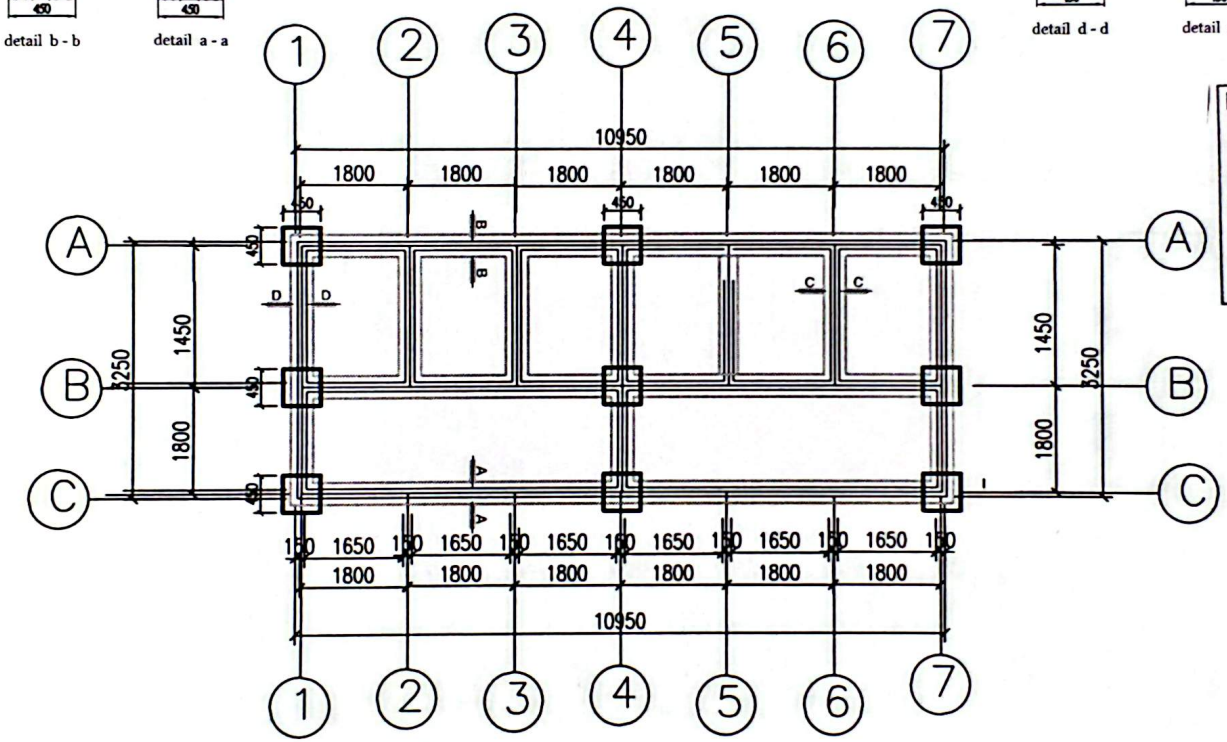
detail b - b

detail a - a



detail d - d

detail c - c



FOUNDATION PLAN

NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

All dimensions are in millimetres.

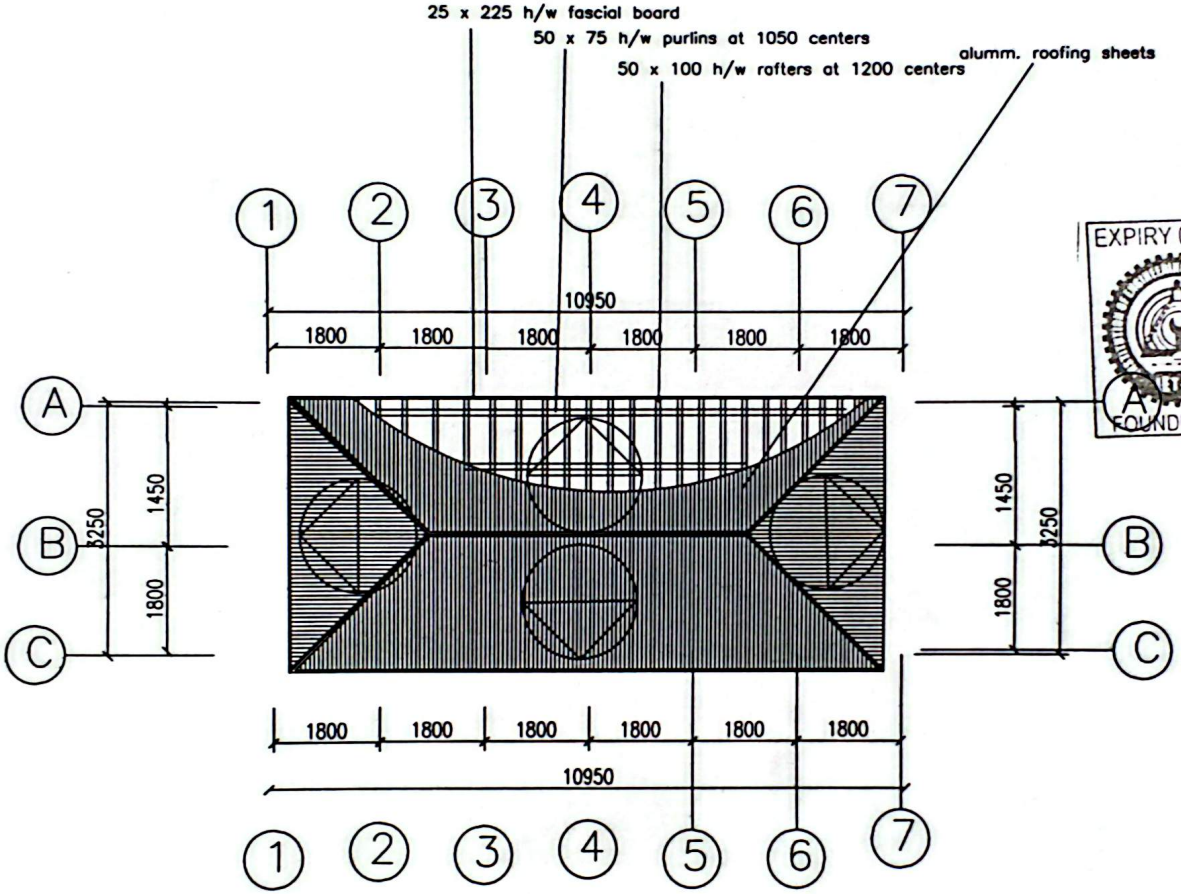
EXPIRY 01/2027

FOUNDED 1936

Engr. LUKEMAN KANZONI
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CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date 21 / 08 /2021

project: CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL	sheet no. 2
client:	
description: As shown	Designed:
	Drawn by:
	Date:
	Scale: 1 : 100

CamScanner



ROOF PLAN

NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

All dimensions are in millimetres.

EXPIRY 01/2027
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Engr. LUKEMAN KANZONI
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Reg No. PET 05821
Date: 21/08/2026

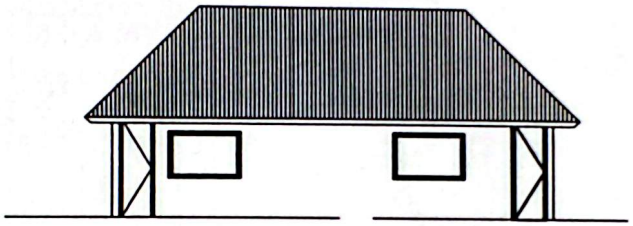
project:	CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL
client:	
sheet no.	3
description	As shown
Designed:	
Drawn by:	
Date:	
Scale:	1 : 100

CamScanner

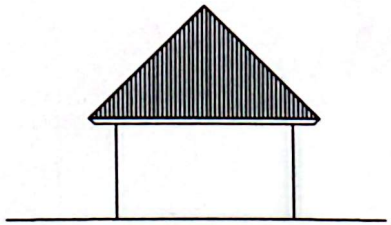
EXPIRY 01.2027

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CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date 21/08/2026



FRONT ELEVATION



RIGHT ELEVATION

NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.
All dimensions are in millimetres.

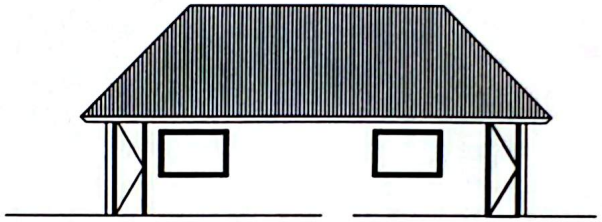
project: CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL AT AGYIEMANDIEM	sheet no. 4
client:	
description: As shown	Designed:
	Drawn by:
	Date: / Scale: 1 : 100

CamScanner

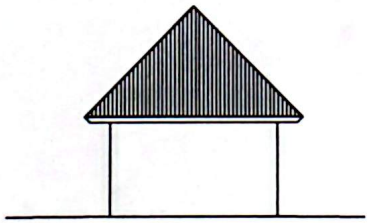
EXPIRY 01.2027

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(PET.IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date: 21.08.2026



FRONT ELEVATION



RIGHT ELEVATION

NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

All dimensions are in millimetres.

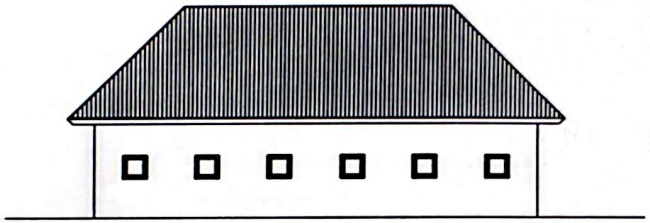
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client:	
description: As shown	Designed:
	Drawn by:
	Date:
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CamScanner

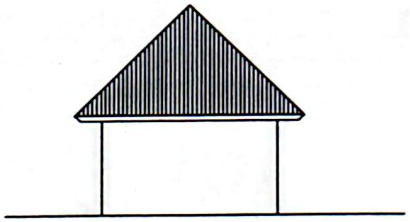
EXPIRY 01/2027

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(PET IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date: 21/08/2026



BACK ELEVATION



LIFT ELEVATION

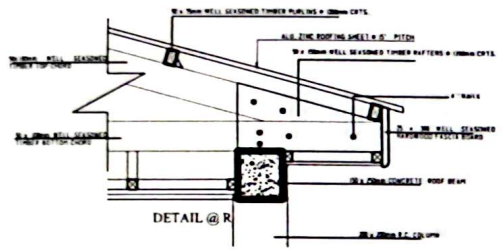
NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

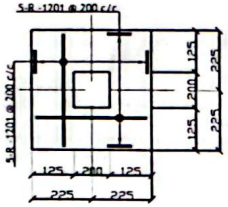
All dimensions are in millimetres.

project: CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL	sheet no. 5
client:	
description: As shown	Designed:
	Drawn by:
	Date: / Scale: 1 : 100

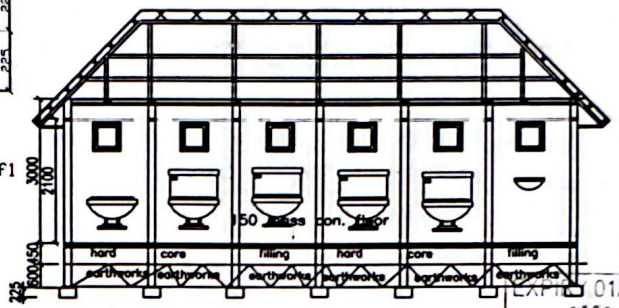
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DETAIL @ R



FOOTING TYPE F1
9 NO.
scale = 1 : 25

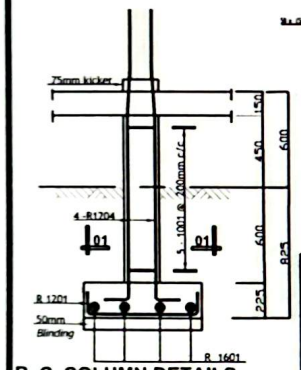


SECTION S-S

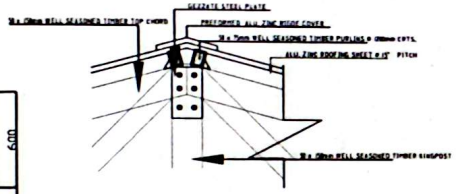
NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
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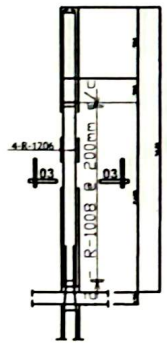
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R. C COLUMN DETAILS

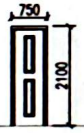
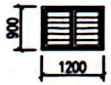


DETAIL @ Q



COLUMN TYPE c1
9NO.
scale = 1 : 25

DOOR & WINDOW SCHEDULE

		
DESCRIPTION	TIMBER PANELL DOOR	
LOCATION	W.c, corridor	
No. REQUIRED	8	
		
DESCRIPTION	TIMBER FRAME WINDOWS	TIMBER FRAME WINDOWS
LOCATION	WC & URINAL	WC & URINAL
No. REQUIRED	4	6

EXPIRY 01/2027

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Date: 21/08/2026

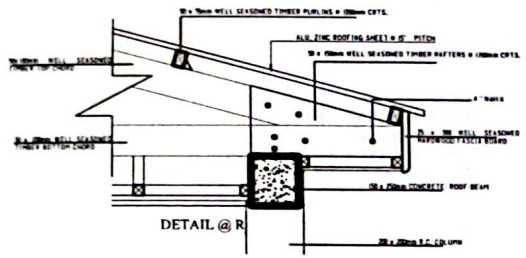
project:
CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL

client:

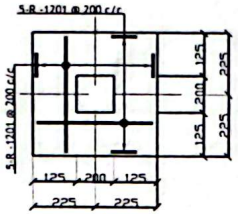
sheet no. 6

description
As shown

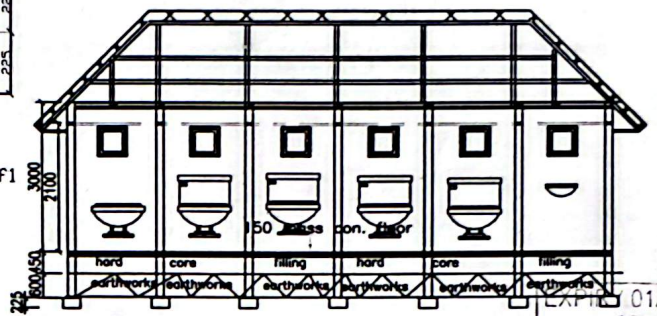
Designed:
Drawn by:
Date:
Scale: 1 : 100



DETAIL @ R



FOOTING TYPE f1
9NO.
scale = 1 : 25



SECTION S-S

NOTES

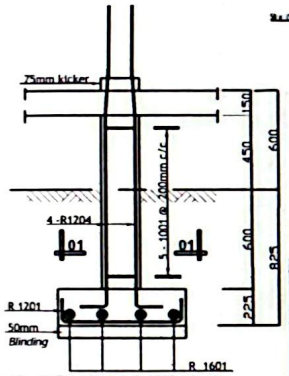
Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

All dimensions are in millimetres.

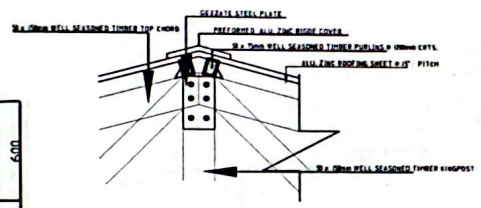
EXPIRES 01.2027

FOUNDED 1986

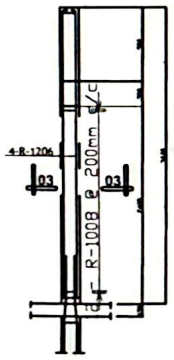
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CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date - 21/08/2026



R. C COLUMN DETAILS

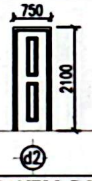
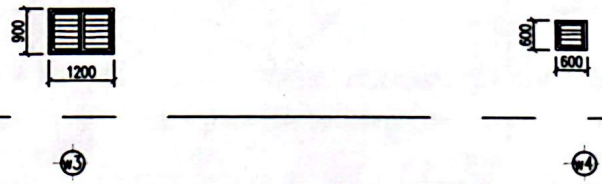


DETAIL @ Q



COLUMN TYPE c1
9NO.
scale = 1 : 25

DOOR & WINDOW SCHEDULE

		
DESCRIPTION	TIMBER PANELL DOOR	
LOCATION	W.c, corridor	
No. REQUIRED	8	
		
DESCRIPTION	TIMBER FRAME WINDOWS	TIMBER FRAME WINDOWS
LOCATION	WC & URINAL	WC & URINAL
No. REQUIRED	4	6

project:
CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL

sheet no. 6

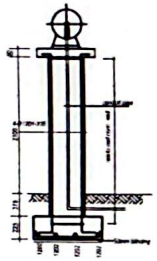
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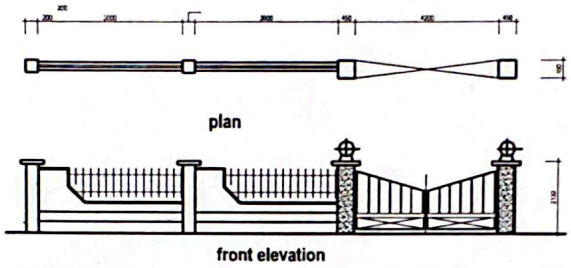
description
As shown

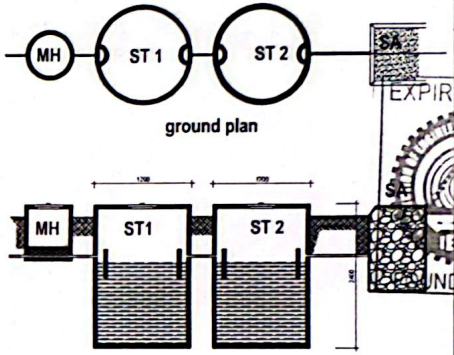
Designed:
Drawn by:
Date:
Scale: 1 : 100

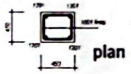
NOTE

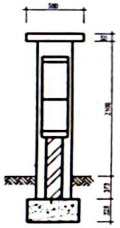
Air should be excluded from s.t. to encourage the growth of anaerobic bacteria to liquify sludge to facilitate the flow of the effluent accumulated gasses are expected to be connected and expelled through. Fan stack should carried above eaves be protected against nesting of birds as in draining drains should be given sufficient falls and joints should be properly made to prevent blocking of the apperture and expedite the escape of accumulated gasses.
septic tanks must be constructed in concrete and not sandcrete blocks top of septic tank to be not less than 150mm above finished ground level where two or more water closets connected to the same soil pipe the trap on each water closet other than the highest shall be ventilated to be an antisyphon pipe to the open air at a point 75mm above the water seal in the highest water antisyphon pipe and connections should be at 30mm intervals and shall be connected with the arm of soil pipe at a point not less than 150mm and not more than 300mm from the highest point of the water seal which is nearest to the soil pipe

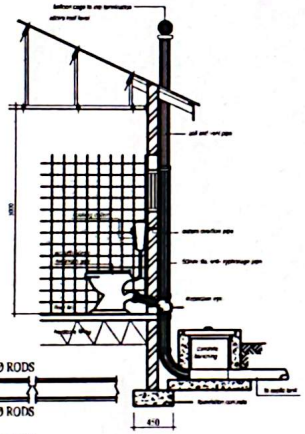


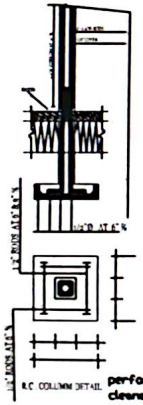


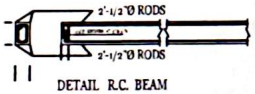




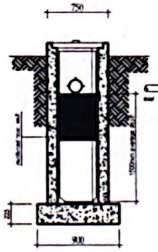


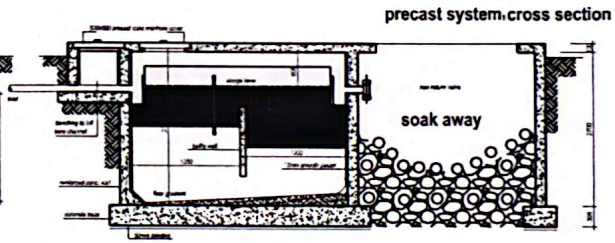




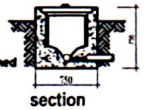


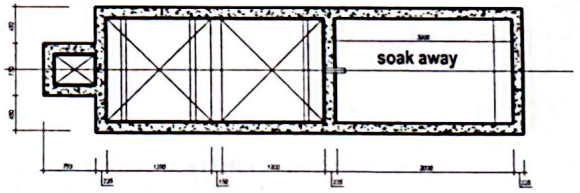
DETAIL R.C. BEAM





mortar mix for joint 12" 2" grips should be made under joint.
allow shanks of drains to rest on rammed earth base (drain gradient 21-40)





perforated pipes should be removed every 3 months and perforation of slots cleaned with wire brush top cover of filter medium should be examined and be removed necessary turned over and cleaned every 2 months. It may be necessary on account of clogging to remove part of medium and remove. s.t. should be opened every six months and depth of top crust ascertained if this exceeds 12 plus should

DETAIL OF SEPTIC TANK

NOTES

Do not scale from drawings.
Only figured dimensions to be worked to.
When in doubt consult the Architect.

All dimensions are in millimetres.

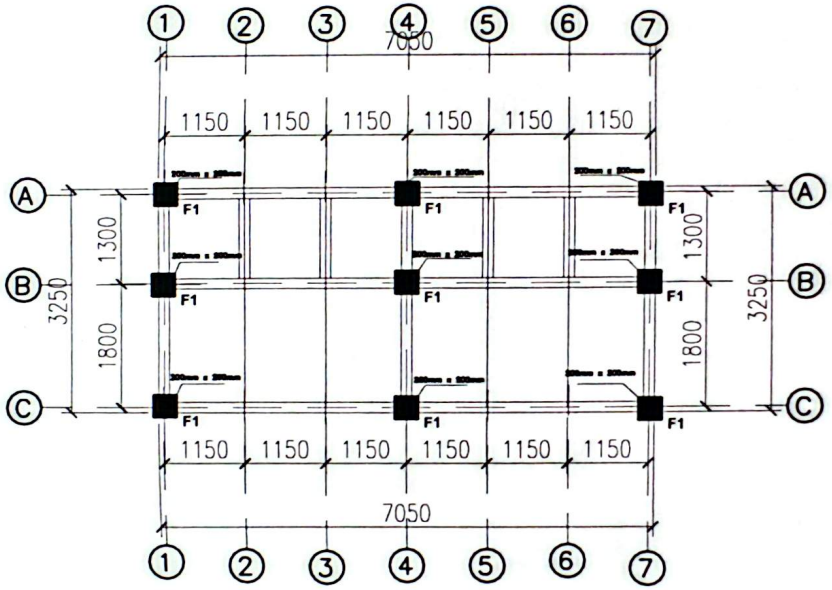
EXPIRY 01/2027
IET-GH
FOUNDED 1986
Engr. LUKEMAN KANZONI
(PET IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date - 21/05/2026

project: CONSTRUCTION OF 1NO. 4UNIT TOILET WITH 2 UNIT URINAL	sheet no. 7
client:	
description: As shown	Designed:
	Drawn by:
	Date: Scale: 1 : 100

EXPIRY 01/2027

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Engr. LUKEMAN KANZONI
(PET.IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date:- 21/08/2026



R.C COLUMN LAYOUT

NOTES

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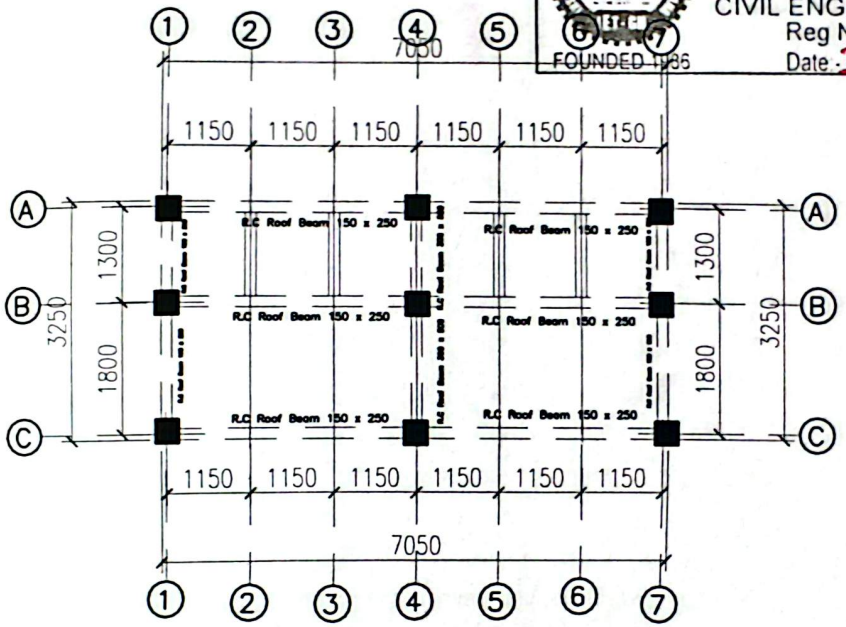
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client:	
description: As shown	Designed:
	Drawn by:
	Date: Scale: 1 : 100

CamScanner

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CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date: 21/08/2026

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RC ROOF BEAMS ARRANGEMENTS

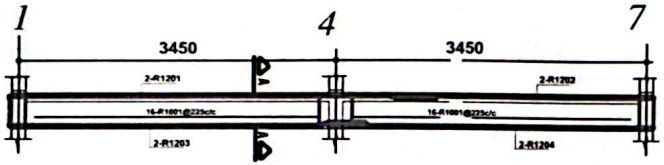
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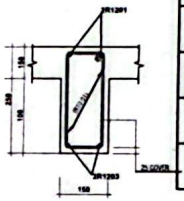
All dimensions are in millimetres.

project: CONSTRUCTION OF 1 NO. 4 UNIT TOILET WITH 2 UNIT URINAL	sheet no. 9
client:	
description: As shown	Designed:
	Drawn by:
	Date:
	Scale: 1 : 100

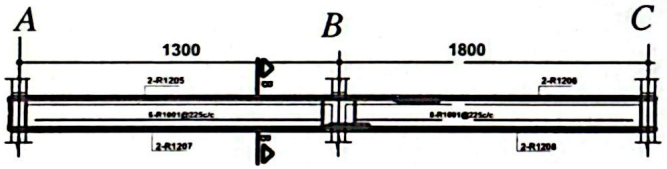
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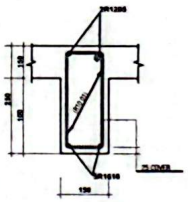
BEAM ON GRID LINE A,B &,C(3 Nos.)



SECTION A-A



BEAM ON GRID LINE 1,4&7(3 Nos.)



SECTION B-B

BENDING SCHEDULE

NO	DIA .	QTY .	LENT .	SHAPE
01	10	138	700	
01	12	4	5825	
02	12	4	2475	
03	12	4	4200	
04	12	4	4200	
05	12	4	2800	
06	12	4	6125	
07	12	4	2050	
08	12	4	2550	

NOTES

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All dimensions are in millimetres.

EXPIRY 01/2027

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Engr. LUKEMAN KANZONI
(PET IET GH)
CIVIL ENG. TECHNOLOGIST
Reg No. PET 05821
Date: 21/05/2026

ROOF BEAM DETAILS

project: CONSTRUCTION OF 1 NO. 4 UNIT TOILET WITH 2 UNIT URINAL	sheet no. 10
client:	
description: As shown	Designed: / Drawn by: / Date: / Scale: 1 : 100

CamScanner