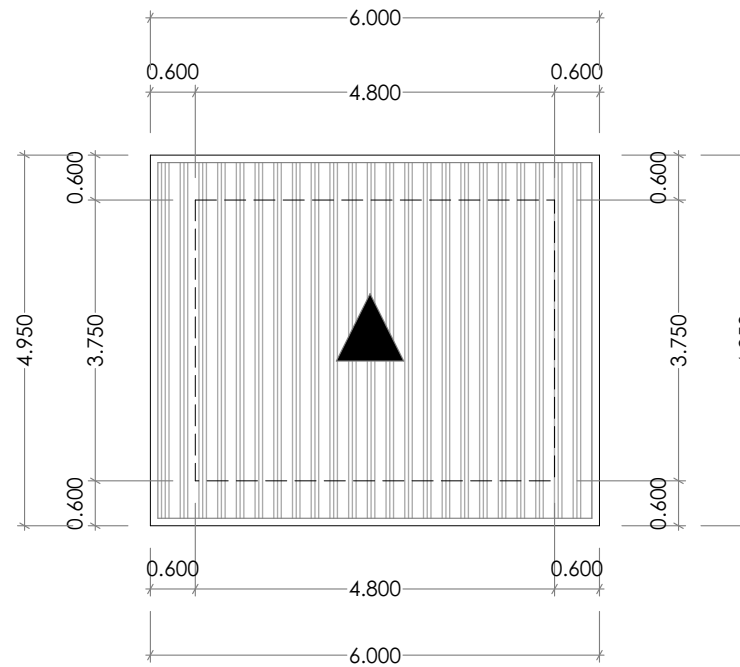
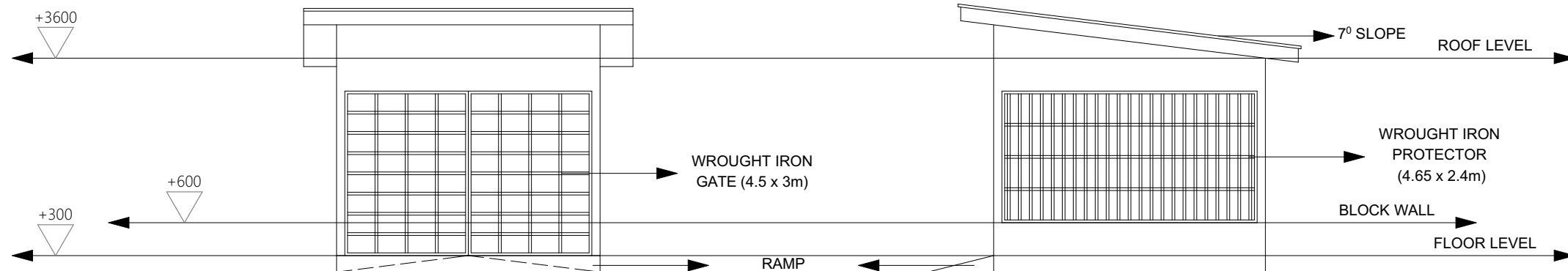


FLOOR PLAN

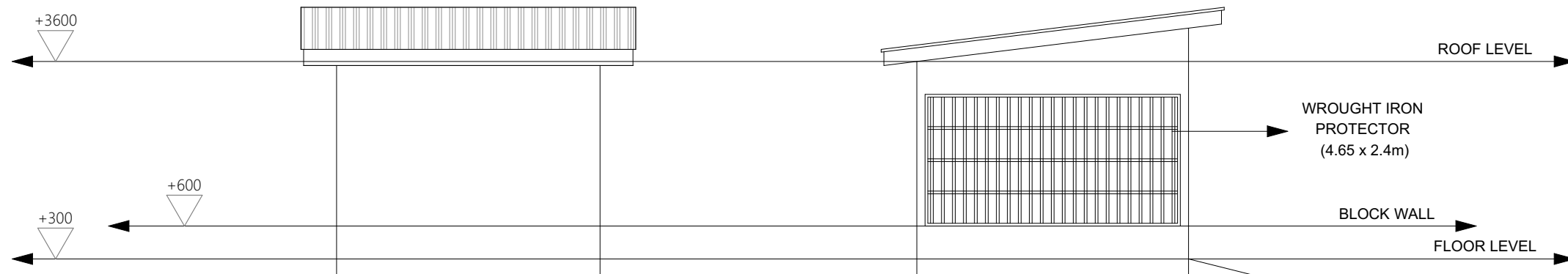


ROOF PLAN



APPROACH ELEVATION

RIGHT ELEVATION



REAR ELEVATION

LEFT ELEVATION

GENERATOR HOUSE
DESIGN DETAILS

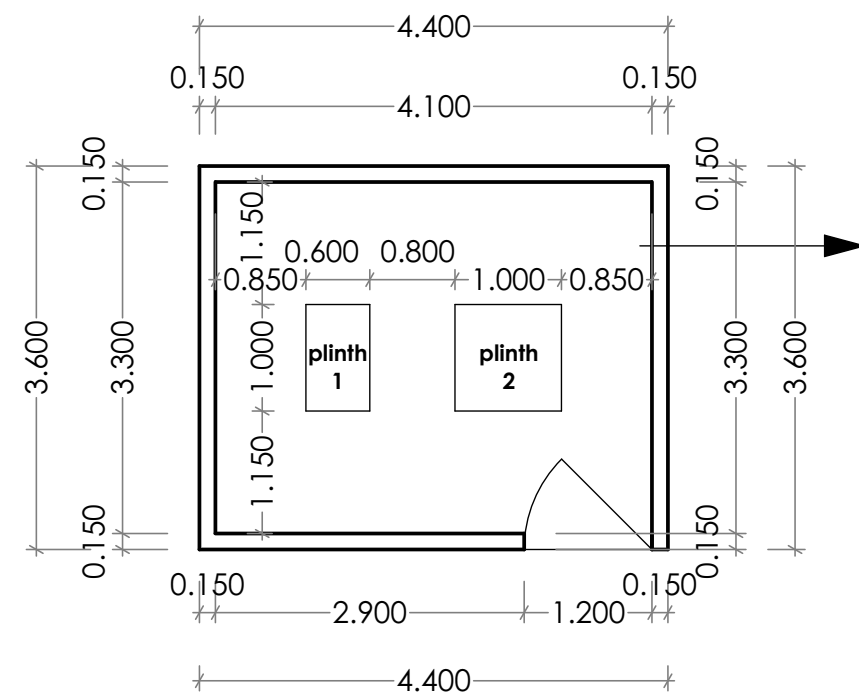
NOTES:

CLIENT: UNIVERSITY OF PORT HARCOURT
CHObA, PORT HARCOURT
RIVERS STATE

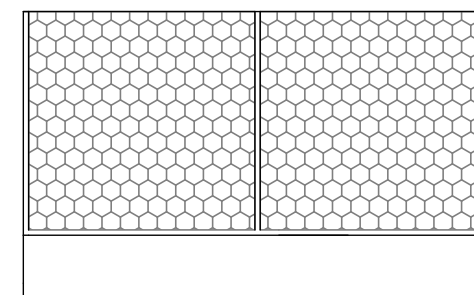
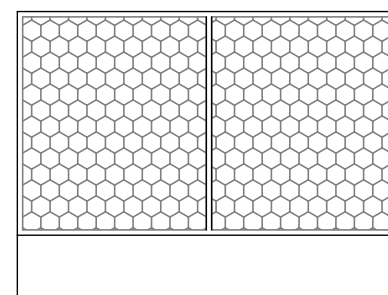
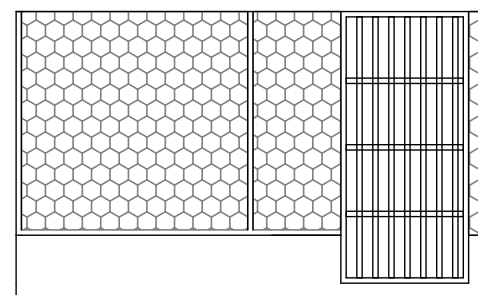
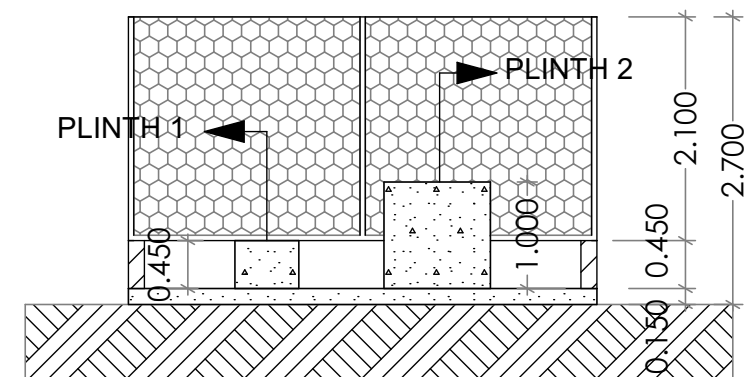
TITLE: GENERATOR HOUSE
DESIGN DETAILS

PROJECT: PROPOSED HEALTH AND TOXICOLOGY CENTRE
FOR
UNIVERSITY OF PORT HARCOURT
CHObA, PORT HARCOURT
RIVERS STATE

SCALE	N.T.S	DATE	JOB No.
DESIGNED	ARC. F.E.I.D	APR. 2023	
CAD TECH	ARC. F.E.I.D	APR. 2023	
CHECKED		APR. 2023	
APPROVED		APR. 2023	
DRAWING SIZE	SHEET No.	DRG. No.	
A3			
REV.			



TRANSFORMER
BASE



NOTES:

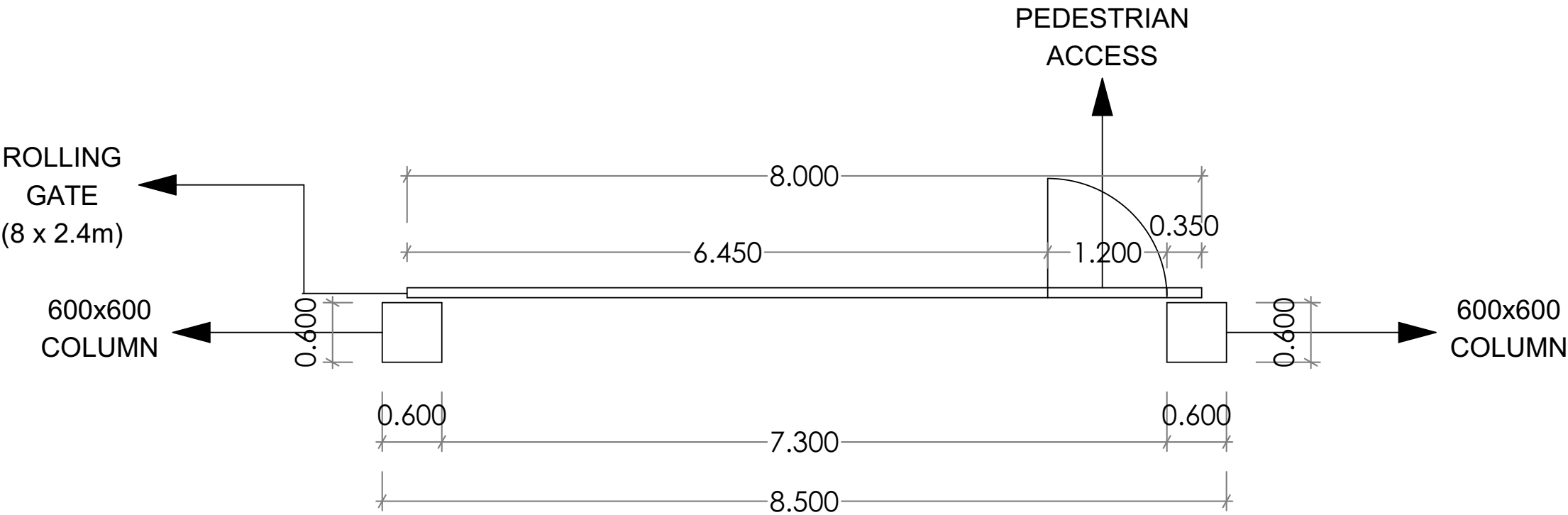
CLIENT:
UNIVERSITY OF PORT HARCOURT
CHIBA, PORT HARCOURT
RIVERS STATE

TITLE:	TRANSFORMER DESIGN DETAILS
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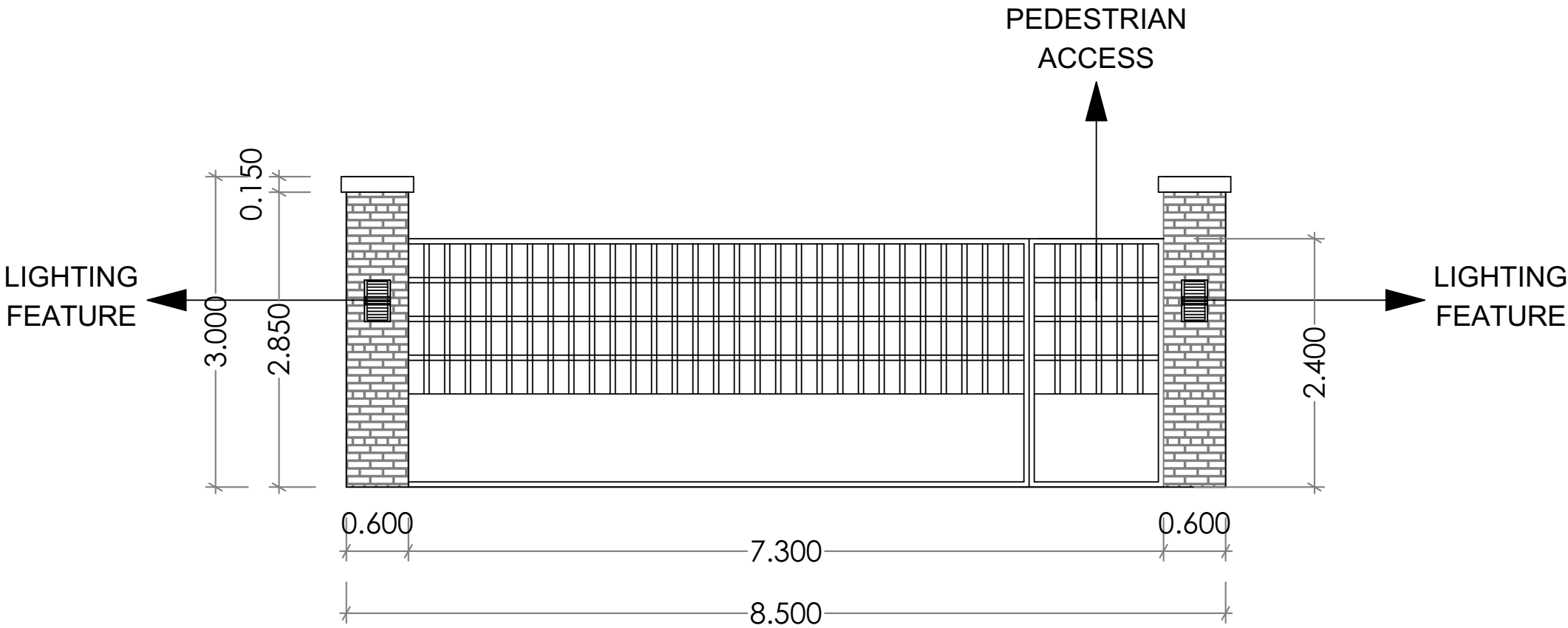
PROJECT:
PROPOSED HEALTH AND TOXICOLOGY CENTRE
FOR
UNIVERSITY OF PORT HARCOURT
CHIBA, PORT HARCOURT
RIVERS STATE

SCALE	N.T.S	DATE	JOB No.				
DESIGNED	ARC. F.E.I.D	APR. 2023					
CAD TECH	ARC. F.E.I.D	APR. 2023					
CHECKED		APR. 2023					
APPROVED		APR. 2023					
DRAWING SIZE	SHEET No.	DRG. No.					
A3		REV.					

NOTES:



FLOOR PLAN



ELEVATION

ROLLING GATE
DESIGN DETAILS

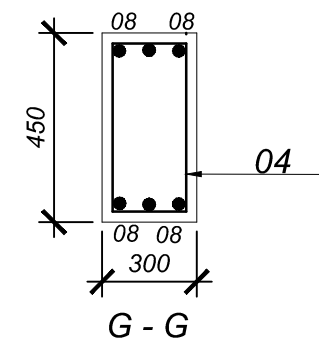
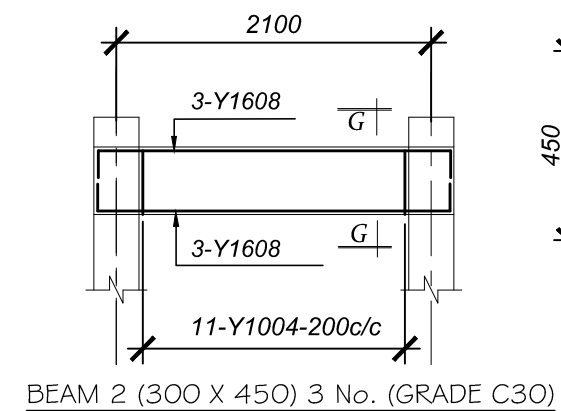
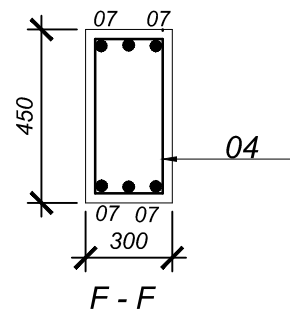
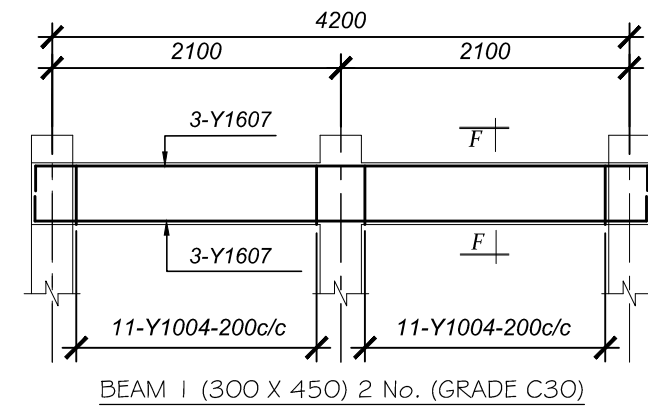
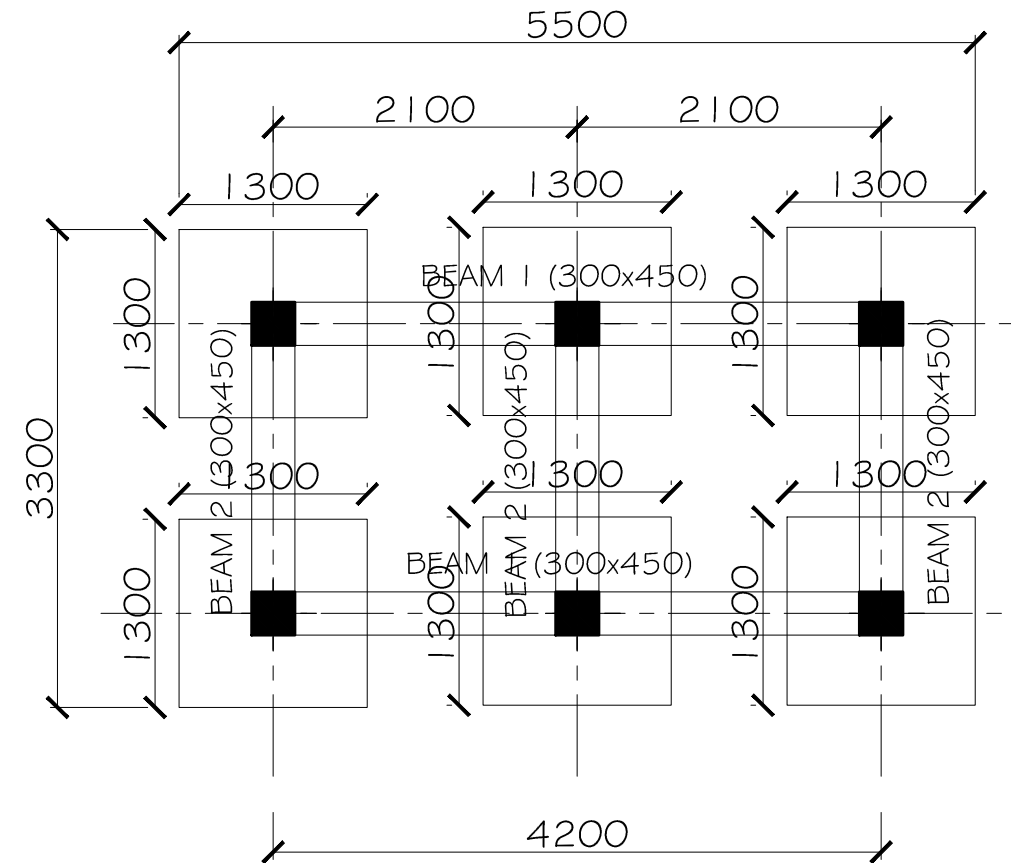
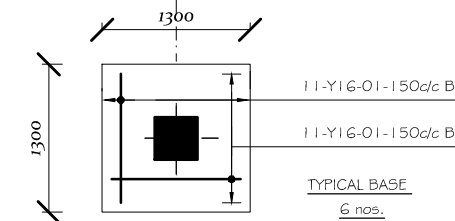
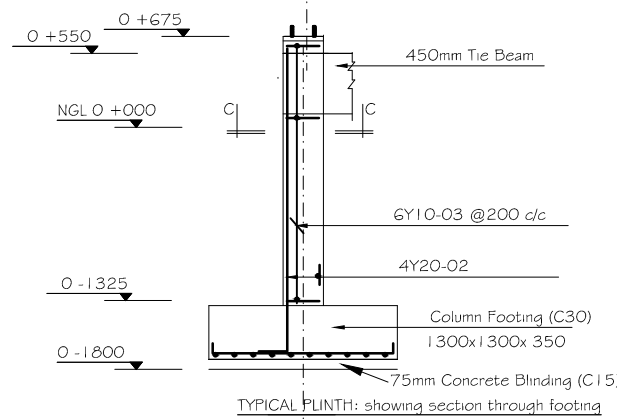
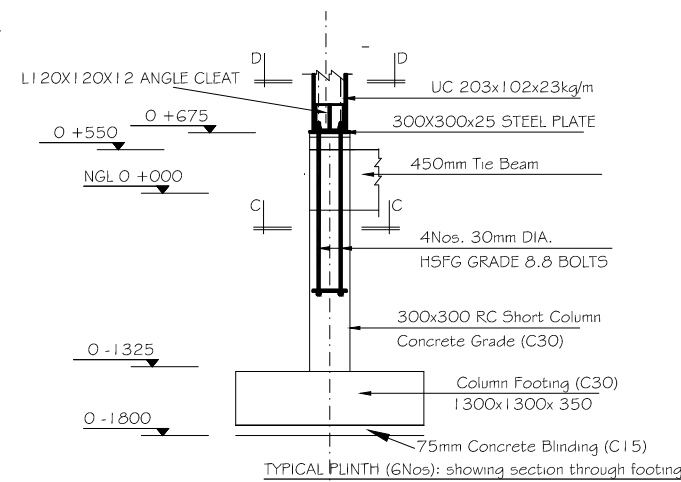
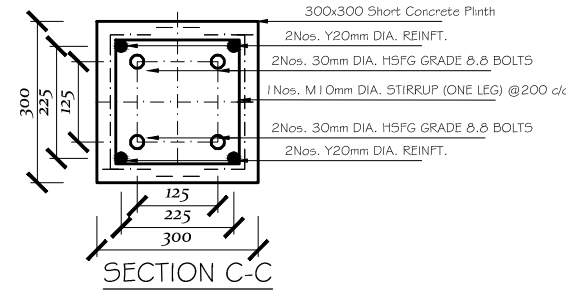
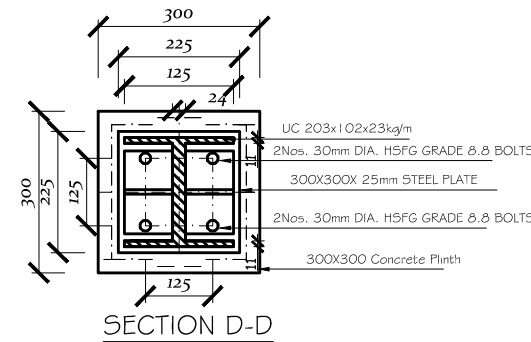
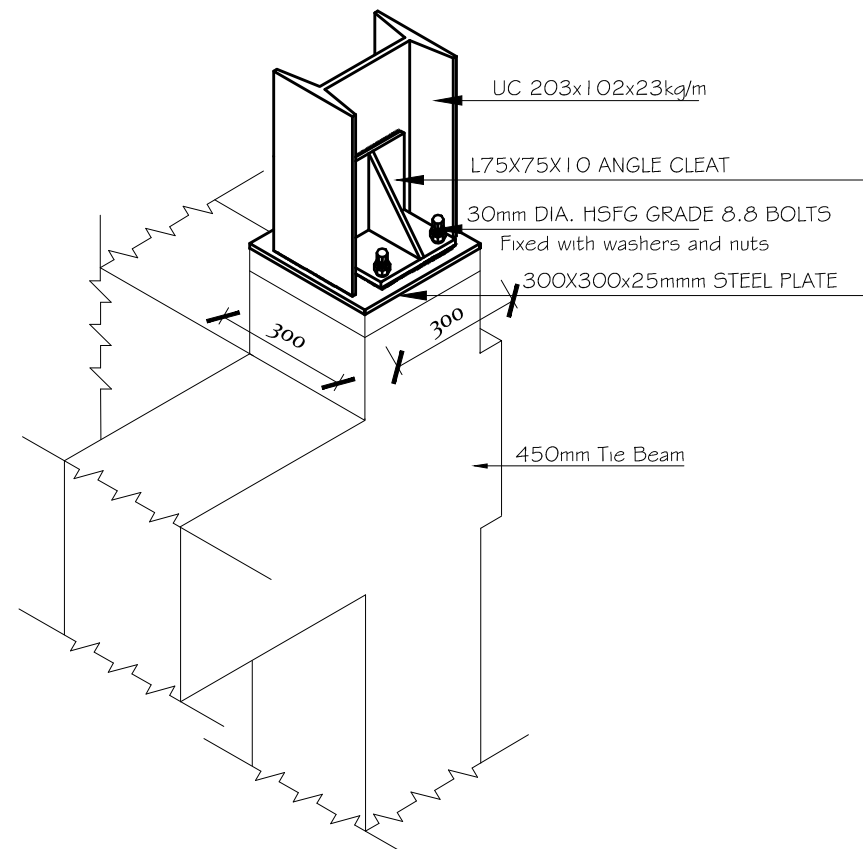
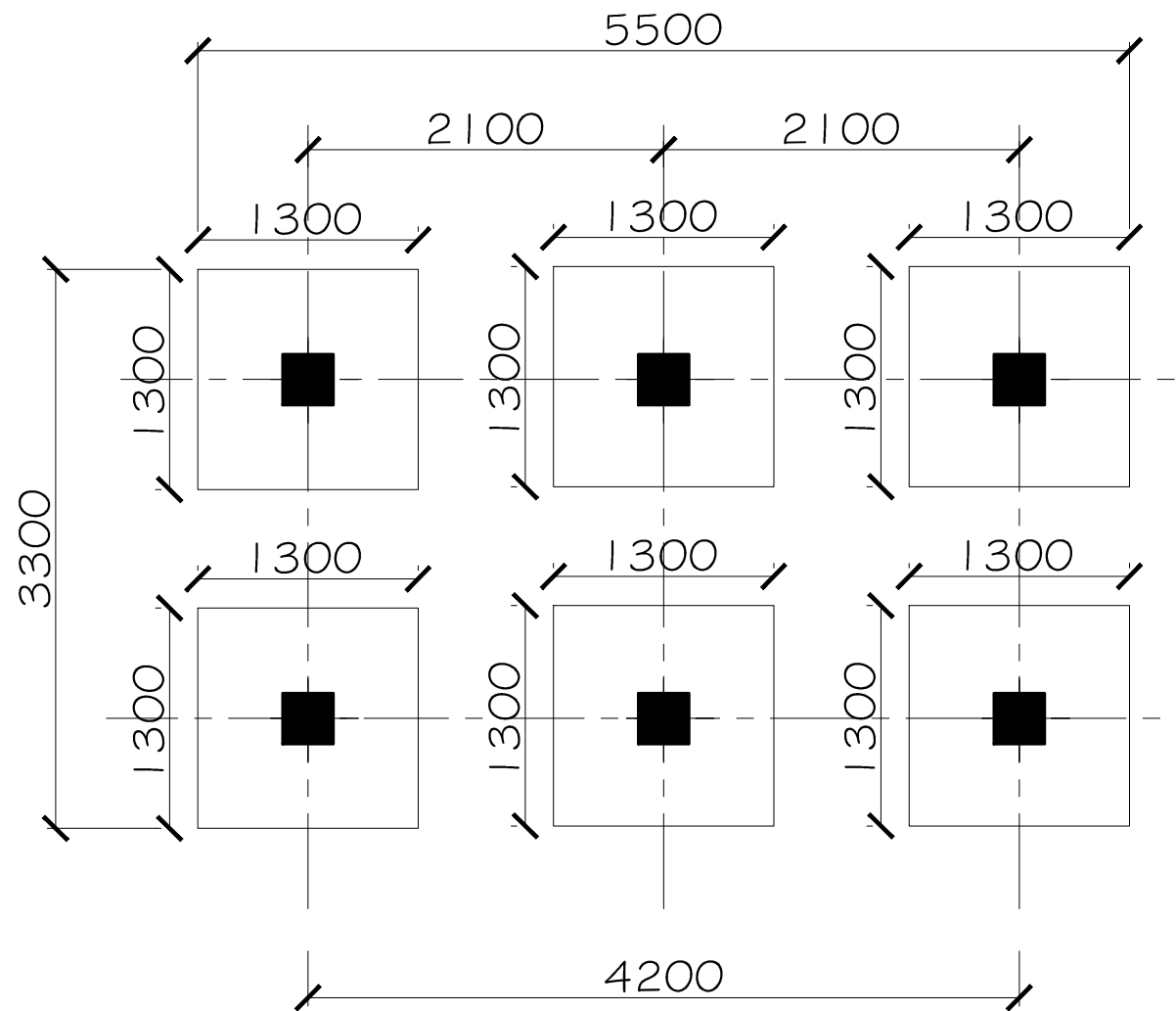
CLIENT:
UNIVERSITY OF PORT HARCOURT
CHObA, PORT HARCOURT
RIVERS STATE

TITLE:
ROLLING GATE
DESIGN DETAILS

PROJECT:
PROPOSED HEALTH AND TOXICOLOGY CENTRE
FOR
UNIVERSITY OF PORT HARCOURT
CHObA, PORT HARCOURT
RIVERS STATE

SCALE	N.T.S	DATE	JOB No.
DESIGNED	ARC. F.E.I.D	APR. 2023	
CAD TECH	ARC. F.E.I.D	APR. 2023	
CHECKED		APR. 2023	
APPROVED		APR. 2023	

DRAWING SIZE	SHEET No.	DRG. No.
A3		
REV.		



Project:

PROPOSED OVERHEAD WATER TANK FOR CENTER FOR PUBLIC HEALTH AND TOXICOLOGICAL RESEARCH CENTER, UNIVERSITY OF PORT HARCOURT, CHOBA, PORT HARCOURT FOR ENGR. NICHOLAS ABULE

Drawing Title:

WATER TANK FOUNDATION LAYOUT & SECTION DETAILS

TAMMAR CONSORTIUM

No 58 El- Olam Street Off Udara Junction, Ebelu Ozodo, Ogbogoro, Port Harcourt, Rivers State.
E-Mail: princetg@yahoo.com, Phone: 08137146916, 08158430434

DESIGNED :

TAMUNODIEPRIYE P.G.

DRAWN :

TAMUNODIEPRIYE P.G.

CHECKED/APP.

ENGR. KENNETH E. U.

DATE:

AUG. 2023

DWG NO:

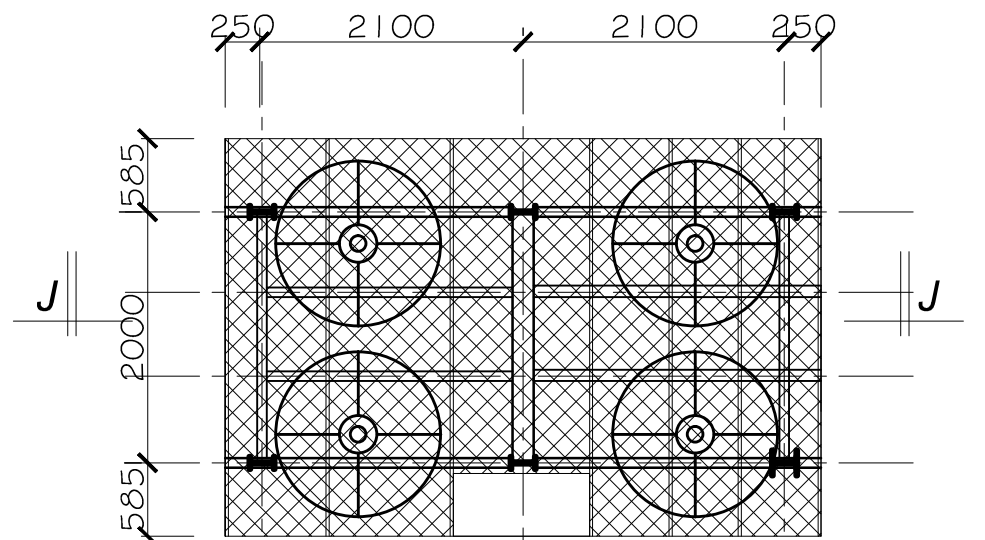
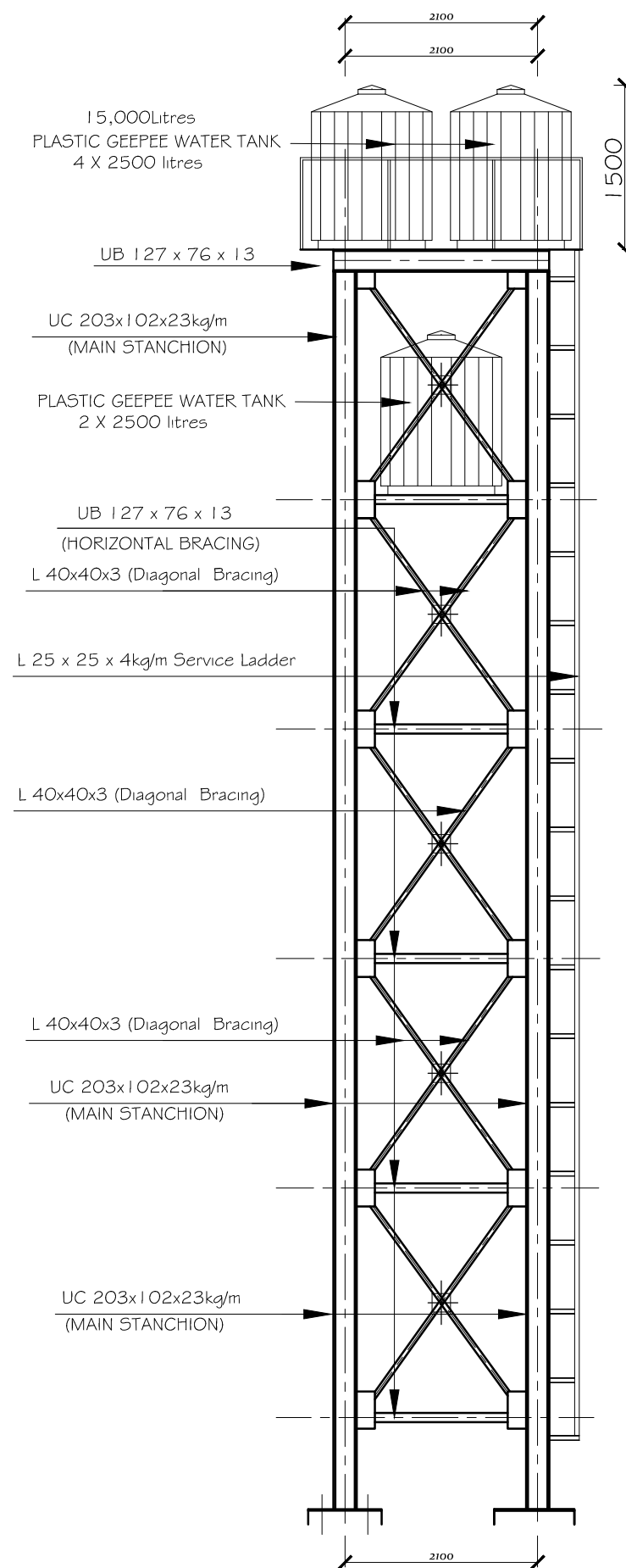
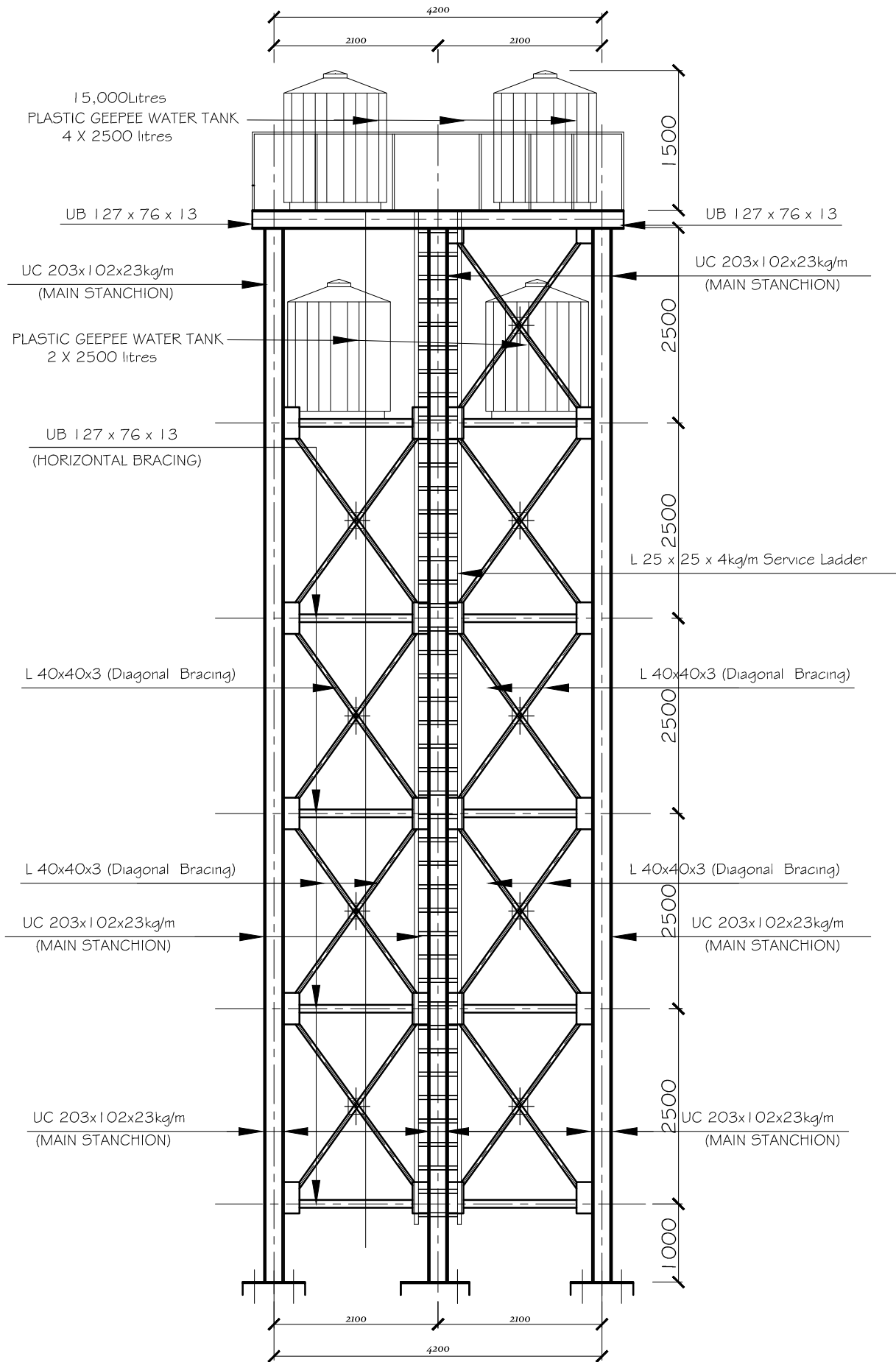
DISCLAIMER :

COPYRIGHT :

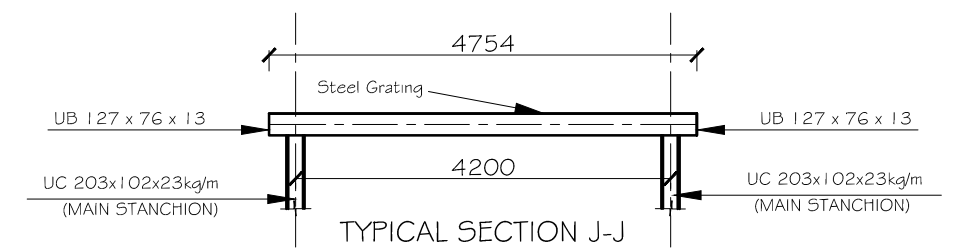
TAMMAR CONSORTIUM DOES NOT ACCEPT RESPONSIBILITY FOR ANY COMPONENT, ELEMENT OR CONSTRUCTION METHOD WHICH MAY BE INFERRED BUT NOT HEREIN STATED.
DRAWINGS AND DESCRIPTIONS HEREIN CONTAINED ARE THE INTELLECTUAL PROPERTY OF TAMMAR CONSORTIUM AND MAY NOT BE REPRODUCED OR IMPLEMENTED OTHER THAN FOR THIS PROJECT WITHOUT WRITTEN CONSENT.

Sheet No:

SD/01



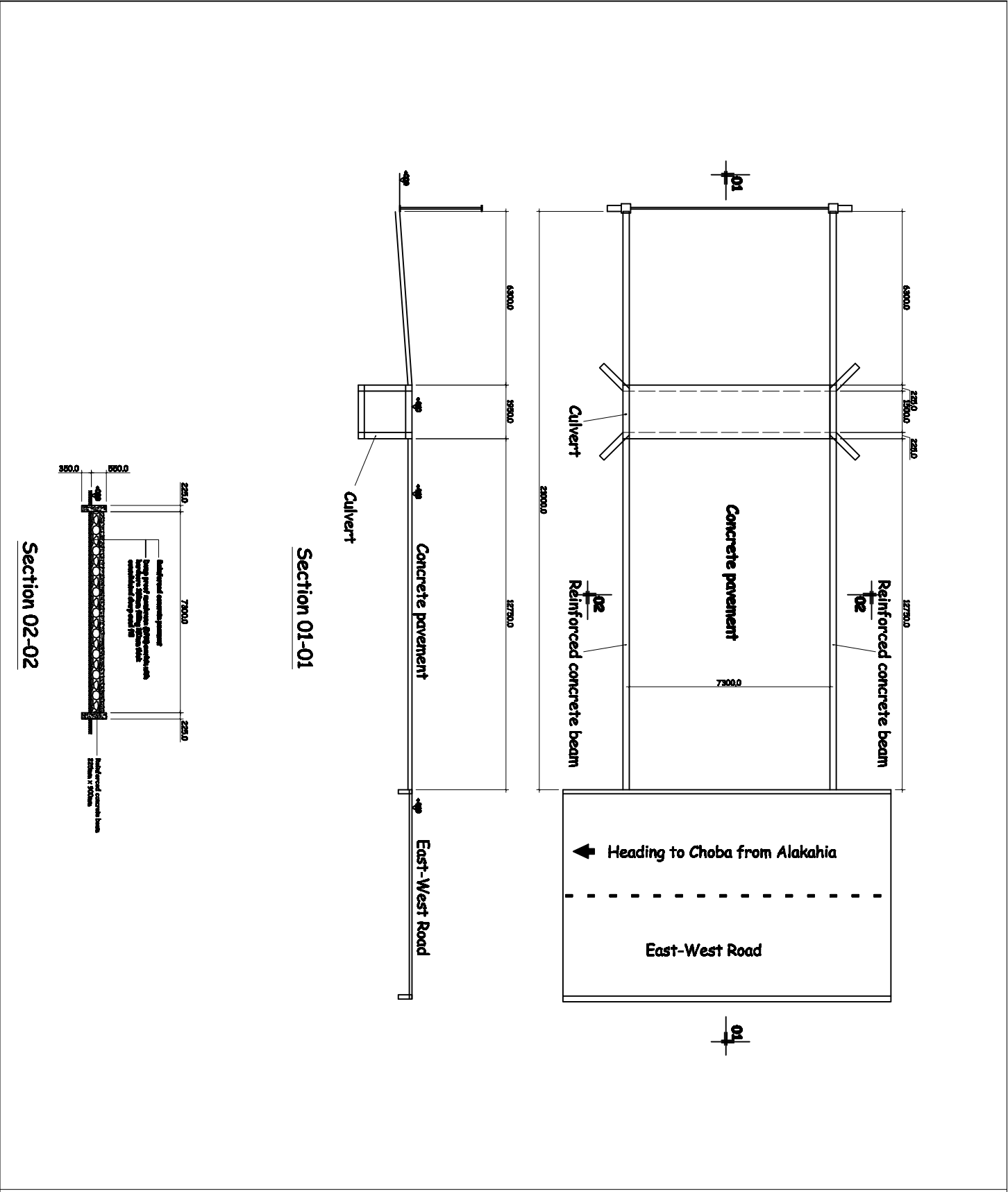
WATER TANK PLAN (from above)
WITH PLATIC GP WATER TANK



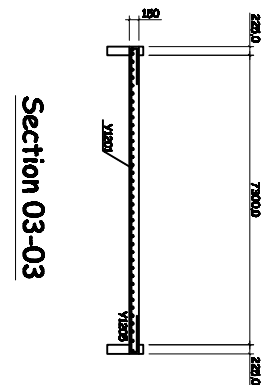
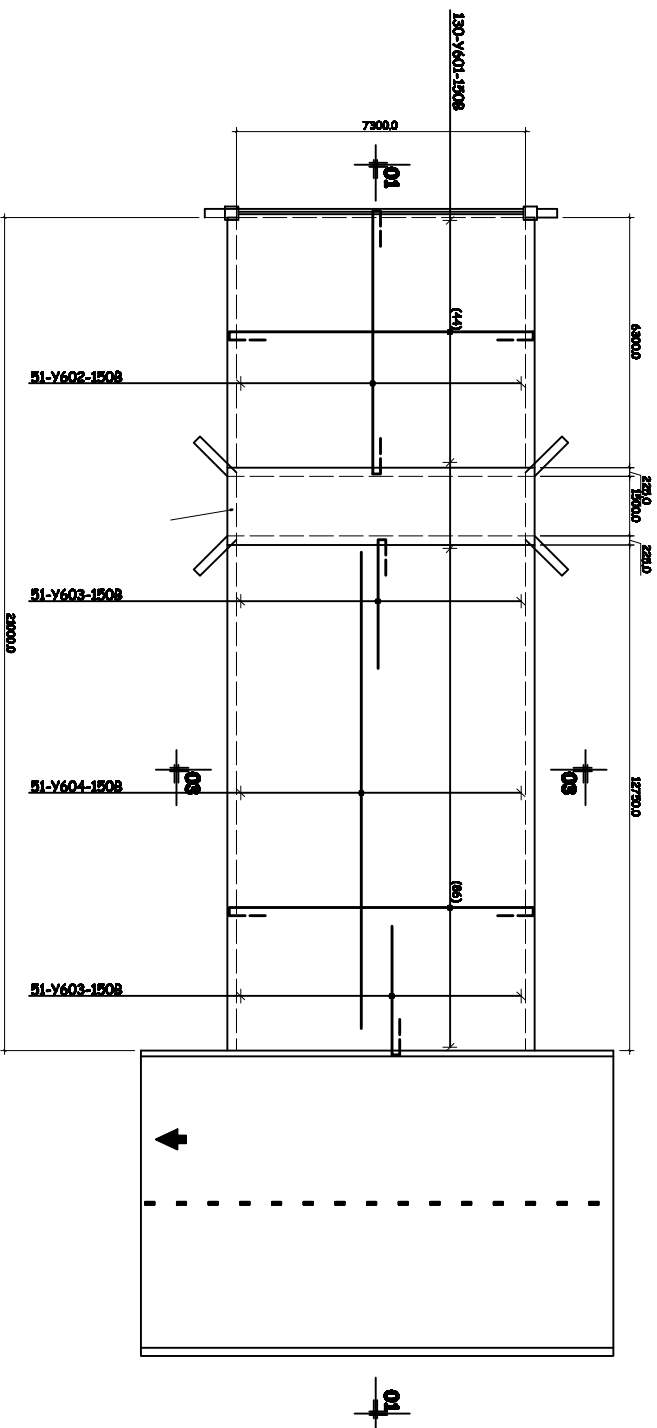
structural drawings



STARSTRUC CONSULTS
195 NTA RD., MESAUDA,
PORT HARCOURT.



GENERAL NOTES	
<p>1. RESE NOTES APPLY TO ALL STRUCTURAL DRAWINGS</p> <p>2. THE DRAWING SHALL BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S DRAWINGS</p> <p>3. REINFORCED CONCRETE: $f_{cr}=30\text{N/mm}^2$</p> <p>4. R DENOTES ROUND BARS, S DENOTES $f_{cr}=30\text{N/mm}^2$</p> <p>5. DENOTES H&H YIELD BARS $f_{cr}=410\text{N/mm}^2$</p> <p>6. OTHER TO REINFORCEMENT SHALL BE AS FOLLOWS</p> <p>7. DOWN TO COLUMN-BASES</p> <p>8. DOWN TO COLUMN</p> <p>9. DOWN TO BEAMS</p> <p>10. DOWN TO FOUNDATION</p>	
CLIENT	
PROJECT/LOCATION	
DRAWING TITLE	
STRUCTURAL DRAWING	
SHEET CONTENT	
GENERAL ARRANGEMENT CONCRETE ROADWAY	
PROJECT CONSULTANT	
<div><div><div>SC</div><div>STARSTRUC CONSULTS</div><div>195 NTA RD., MBUORA,</div><div>PORT HARCOURT.</div></div></div>	
DESIGNED	ENGR. INAYAN COLLINS
DRAWN	ENGR. INAYAN COLLINS
CHECKED	ENGR. N.R.G. OGBANGBA
SCALE	1:125
DATE	MAR. 2023
SHEET NO	
501	



Typical section of
ground beam 2250mm x 1500mm
showing reinforcement placement

No.	Struct. element	Mark.	Bar	No. of element	No. in element	Qty	Weight	Remarks
1.	Concrete slab	01	Y6	1	130	9700	300	300
		02	Y6	1	130	9700	300	300
		03	Y6	1	130	9700	300	300
		04	Y6	1	130	9700	300	300
Total length of Y6= 2,720.0m								
2.	ground beam	01	Y16	-	36	11800	36	36
		02	Y12	-	24	11800	24	24
Total length of Y12= 276.0m								
Total length of Y16= 414.0m								
Total length of Y18= 412.5m								

GENERAL NOTES

1. REE NOTES APPLY TO ALL STRUCTURAL DRAWINGS
2. THE DRAWING SHALL BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S DRAWINGS
3. REINFORCED CONCRETE FLOOR-30M/20M
4. R DENOTES ROUND MILD STEEL BARS P-250M/20M
5. DENOTES HIGH YIELD BARS P-414M/20M
6. OVER TO REINFORCEMENT SHALL BE AS FOLLOWS
 - DOWN TO COLUMNS
 - DOWN TO BEAMS
 - DOWN TO FOUNDATIONS

CLIENT

PROJECT/LOCATION

DRAWING TITLE

STRUCTURAL DRAWING

SHEET CONTENT

GENERAL ARRANGEMENT CONCRETE ROADWAY

PROJECT CONSULTANT



DESIGNED BY: MRS. MRS. COLLINS

DRAWN BY: MRS. MRS. COLLINS

CHECKED BY: ENGR. N.R.G. OGBAMBA

SCALE 1:125

DATE MAR. 2023

SHEET NO.

502

GENERAL NOTES

1. RESE NOTES APPLY TO ALL STRUCTURAL DRAWINGS
2. THE DRAWING SHALL BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S DRAWINGS
3. REINFORCED CONCRETE $f_{cr}=30N/mm^2$
4. R DENOTES ROUND BARS $f_{cr}=250N/mm^2$
- Y DENOTES HIGH YIELD BARS $f_{cr}=410N/mm^2$
5. COVER TO REINFORCEMENT SHALL BE AS FOLLOWS
 - * DOWN TO COLUMN-BASES
 - * DOWN TO COLUMNS
 - * DOWN TO BEAMS

CLIENT

PROJECT/LOCATION

DRAWING TITLE

STRUCTURAL DRAWING

SHEET CONTENT

CULVERT PLAN, SECTION & DETAILS

PROJECT CONSULTANT

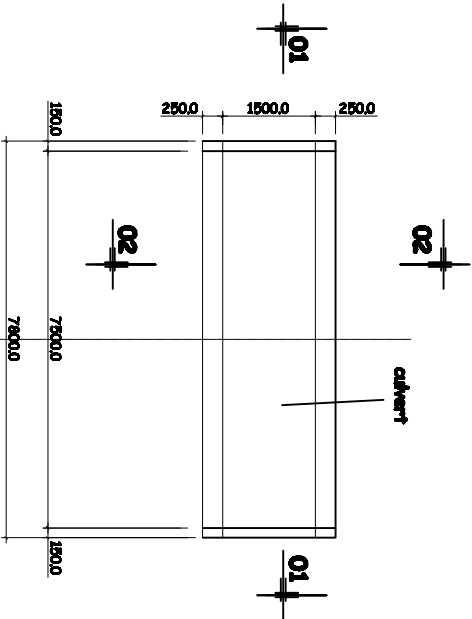
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STARSTRUK CONSULTS
195 NTA RD., MABUQA,
PORT HARCOURT.

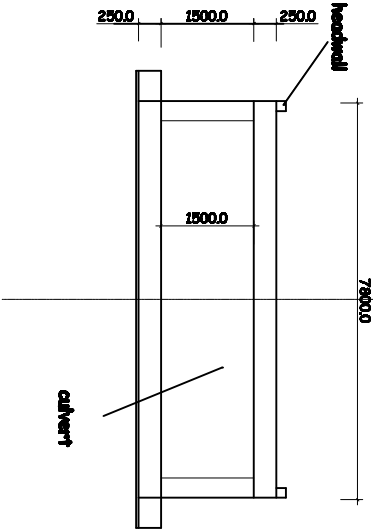
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DRAWN BY	ENGR. MUSAIB COLLINS
CHECKED BY	ENGR. N.R.G. OGBAMGBA
SCALE	N.T.S.
DATE	MAR. 2023

SHEET NO.

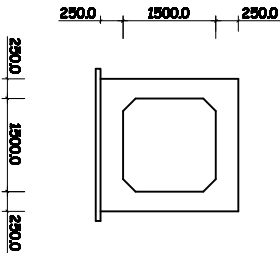
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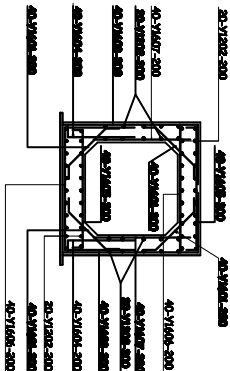
Plan of culvert



section 01-01



section 02-02



Typical culvert section showing reinforcement placement