



**Kenya Marine Fisheries Socioeconomic  
Development Project (KEMFSED)  
P.O. Box 58187-00200  
NAIROBI**



**MINISTRY OF MINING, BLUE ECONOMY AND MARITIME  
AFFAIRS**

**Request for Bids**

**CONSTRUCTION OF MWAEPE FISH LANDING SITE**

**Employer:** State Department for Blue Economy & Fisheries  
**Project:** Kenya Marine Fisheries Socio-Economic  
Development Project (KEMFSED)  
**Contract Title:** **CONSTRUCTION OF MWAEPE FISH  
LANDING SITE**  
**Country:** Republic of Kenya  
**Loan No./Credit No./Grant No.:** 6540-KE  
**RFBNo.:** KE-MOMBE&MA-KW-2024-003-CW  
**Issued on:** 13<sup>TH</sup> FEBRUARY 2024

**VOLUME 4 OF 4**

**DRAWINGS**

## 12. CONSTRUCTION OF MWAEPE FISH LANDING SITE

DRAWING NO 12-001-001

NO.	DRAWING/DOCUMENT	DRAWING NO	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
	PROJECT 12 ARCHITECTURAL DRAWINGS				
	LIST OF DRAWINGS.				
01	SITE PLAN.	12-001-001	A1	PDF/DWG	PROVIDED
A. POLYFUCTION BUILDING.					
02	GROUND FLOOR & 1ST FLOOR PLAN	12-001-A002	A1	PDF/DWG	PROVIDED
03	ROOF TANK PLAN & WATCHTOWER FLOOR PLAN	12-001-A003	A1	PDF/DWG	PROVIDED
04	WATCH TOWER FLAT ROOF PLAN	12-001-A004	A1	PDF/DWG	PROVIDED
05	SECTION A-A	12-001-A005	A1	PDF/DWG	PROVIDED
06	ELEVATION 01	12-001-A006	A1	PDF/DWG	PROVIDED
07	ELEVATION 02 & 04	12-001-A007	A1	PDF/DWG	PROVIDED
08	ELEVATION 03	12-001-A008	A1	PDF/DWG	PROVIDED
09	WINDOW SCHEDULE	12-001-A009	A1	PDF/DWG	PROVIDED
10	DOOR SCHEDULE	12-001-A010	A1	PDF/DWG	
B. ABLUTION BLOCK					
11	GROUND FLOOR PLAN	12-001-B011	A1	PDF/DWG	PROVIDED
12	ROOF PLAN	12-001-B012	A1	PDF/DWG	PROVIDED
13	ELEVATIONS	12-001-B013	A1	PDF/DWG	PROVIDED
14	SECTION-01	12-001-B014	A1	PDF/DWG	PROVIDED
15	INTERIOR ELEVATION- A	12-001-B015	A1	PDF/DWG	PROVIDED
16	INTERIOR ELEVATION- B	12-001-B016	A1	PDF/DWG	PROVIDED
17	DOOR & WINDOW SCHEDULES	12-001-B017	A1	PDF/DWG	PROVIDED
C. RESTAURANT					
18	GROUND FLOOR PLAN	12-001-C018	A1	PDF/DWG	PROVIDED
19	ROOF PLAN	12-001-C019	A1	PDF/DWG	PROVIDED
20	ELEVATIONS & SECTIONS	12-001-C020	A1	PDF/DWG	PROVIDED
21	DOOR & WINDOW SCHEDULES	12-001-C021	A1	PDF/DWG	PROVIDED
D. FISH GEAR MENDING					
22	FISH GEAR MENDING DRAWIGS	12-001-D022	A1	PDF/DWG	PROVIDED

\*cont.

NOTES:		
GENERAL		
1. All measurements are shown in millimeters.Measurements should not to be scaled off the drawing.		
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.		
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.		
CONSTRUCTION		
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.		
5. All slab at grade to be poured on 1000gauged polytheneon 50mm stone dust blinding on compacted hardcore		
6. All soils under slab and around external foundation to be treated for termite control.		
7. Window cills must be finished before internal plastering		
CIVIL		
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.		
STRUCTURAL		
9. All RC works for Structural Engineer's details.		
10. Depth of foundation to be determined on site to SE approval.		
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.		
MECHANICAL		
12. All plumbing and drainage to comply with the relevant approving local authority's specifications.		
13. All service ducts to be accessible from all floors.		
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.		
15. SVP to be provided at the head of the drainage.		
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.		
17. All underground foul and waste drain pipes shall be UPVC and comply to BS 4514 and S255. cast iron to comply to BS 497 table 6 grade C except ones in the driveway which shall comply to BS 555.		
18. All inspection chamber covers and frames shall be cast iron to comply to BS 497 table 6 grade C except		
19. Storm water drain shall comply to BS 555.		
20. Minimum slopes to drains shall be 1%.		
21. No chasing will be allowed in the slabs for pipes.		
Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.		
22. All testing of pipes must be completed before plastering.		
23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.		
ELECTRICAL		
24. All conduits must be laid before plastering.		
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.		
FIRE		
26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors		
27. Provide underground water tank with automatic electric booster pump for ring main		
28. provide automatic push button fire alarm system		
29. provide heat and smoke detectors in each room		
provide 9kg. dry powder fire extinguishers to ME specifications		
REVISIONS		
Project :		
<b>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT</b>		
Plot L . R. No.:		
Location :	<b>MWAEPE KWALE COUNTY</b>	
Client:		
<b>STATE DEPARTMENT FOR FISHERIES AQUACULTURE AND THE BLUE ECONOMY</b>		
Signature .....		
Subject :		
<b>WORKING DRAWINGS.</b>		
Consultancy :		
ARPRIM CONSULTANTS P.O BOX 12969-0040 NAIROBI Tel : 020-884312/8 Website :www.arprimconsultants.com		
Drawing by :	Checked by :-	Checked by :-
TEDDY K.N. (B. Arch. (Hons). (reg. No. A2067)	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg.No.A1552 )	J. MOMANYI B. Arch., (Hons) , M. Arch. (reg. No.A1122 )
Date:NOV 2023	Drawing No. <b>12-001-</b>	
Scale :N.T.S		



## 12. CONSTRUCTION OF MWAEPE FISH LANDING SITE

DRAWING NO 12-001-001

NO.	DRAWING/DOCUMENT	DRAWING NO	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
	PROJECT 12 ARCHITECTURAL DRAWINGS				
	LIST OF DRAWINGS.				
	E. MODERN FISH BANDA				
23	GROUND FLOOR PLAN	12-001-D023	A1	PDF/DWG	PROVIDED
24	FIRST FLOOR PLAN	12-001-D024	A1	PDF/DWG	PROVIDED
25	FLAT ROOF PLAN	12-001-D025	A1	PDF/DWG	PROVIDED
26	FINISHES DRAWINGS	12-001-D026	A1	PDF/DWG	PROVIDED
27	ELEVATIONS & VISUALS	12-001-D027	A1	PDF/DWG	PROVIDED
28	DOOR & WINDOW SCHEDULES	12-001-D028	A1		
	F. STALLS				
29	GROUND FLOOR PLAN [01-04]	12-001-F029	A1	PDF/DWG	PROVIDED
30	ROOF PLAN & VISUALS	12-001-F030	A1	PDF/DWG	PROVIDED
31	FLOOR PLANS & ELEVATIONS STALL [05-06]	12-001-F031	A1	PDF/DWG	PROVIDED
32	ELEVATIONS, SECTIONS & VISUALS STALL [05-06]	12-001-F032	A1	PDF/DWG	PROVIDED
33	DOOR & WINDOW SCHEDULES	12-001-F033	A1	PDF/DWG	PROVIDED
	G. MONUMENTAL GATE				
34	GROUND & 1ST FLOOR	12-001-G034	A1	PDF/DWG	PROVIDED
35	ELEVATIONS	12-001-G035	A1	PDF/DWG	PROVIDED
36	WINDOW, DOOR SCHEDULES & SECTIONS	12-001-G036	A1	PDF/DWG	PROVIDED
	H. BOUNDARY WALL				
37	BOUNDARY WALL DRAWINGS	12-001-H037	A1	PDF/DWG	PROVIDED

NOTES:

GENERAL

1. All measurements are shown in millimeters.Measurements should not to be scaled off the drawing.

2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.

3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.

5. All slab at grade to be poured on 1000gauge polythene 50mm stone dust blinding on compacted hardcore.

6. All soil under slab and around external foundation to be treated for termite control.

7. Window cills must be finished before internal plastering

CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

STRUCTURAL

9. All RC works to Structural Engineer's details.

10. Depth of foundation to be determined on site to SE approval.

11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL

12. All plumbing and drainage to comply with the relevant approving local authority's specifications.

13. All service ducts to be accessible from all floors.

14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.

15. SVP to be provided at the head of the drainage.

16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.

17. All underground foul and waste drain pipes shall be UPVC and comply to BSS 4514 and 5255, cast iron to comply to BSS 497 table 6 grade C except ones in the driveway which shall comply to BSS 556.

18. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C except

19. Storm water drain shall comply to BSS 556.

20. Minimum slopes to drains shall be 1‰.

21. No chasing will be allowed in the slabs for pipes. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.

22. All testing of pipes must be completed before plastering.

23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

ELECTRICAL

24. All conduits must be laid before plastering.

25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

ERE

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors

27. Provide underground water tank with automatic electric booster pump for ring main

28. Provide automatic push button fire alarm system

29. Provide heat and smoke detectors in each room

30. Provide 5kg. dry powder fire extinguishers to ME specifications

REVISIONS

Project :

PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location :

MWAEPE KWALE COUNTY

Client :

STATE DEPARTMENT FOR FISHERIES AQUACULTURE AND THE BLUE ECONOMY

Signature .....

Subject :

WORKING DRAWINGS.

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
Tel: 020-884312/8  
Website :www.arprimconsultants.com

Drawn by :

Checked by :-

Checked by :-

TEDDY K.N.  
B. Arch. (Hons)  
(reg. No. A2067)

F. TUNDULU  
B. Arch. (Hons)  
M. Arch.  
(reg. No. A1552)

J. MOMANYI  
B. Arch. (Hons)  
M. Arch.  
(reg. No. A1122)

Date: NOV 2023

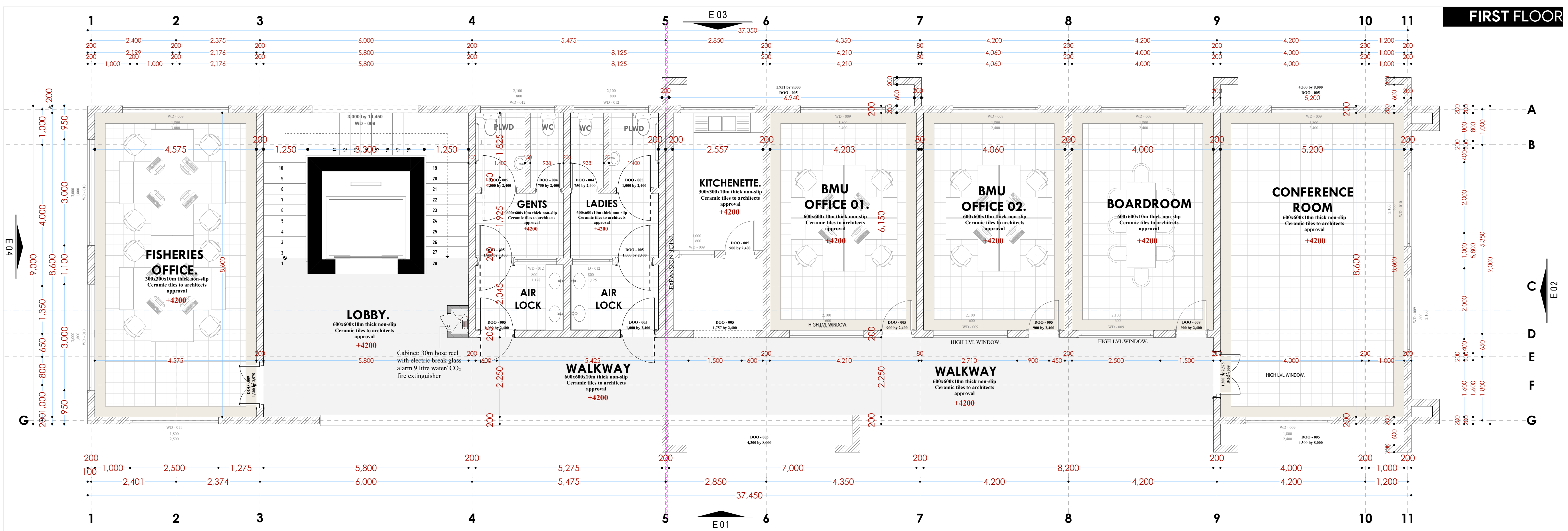
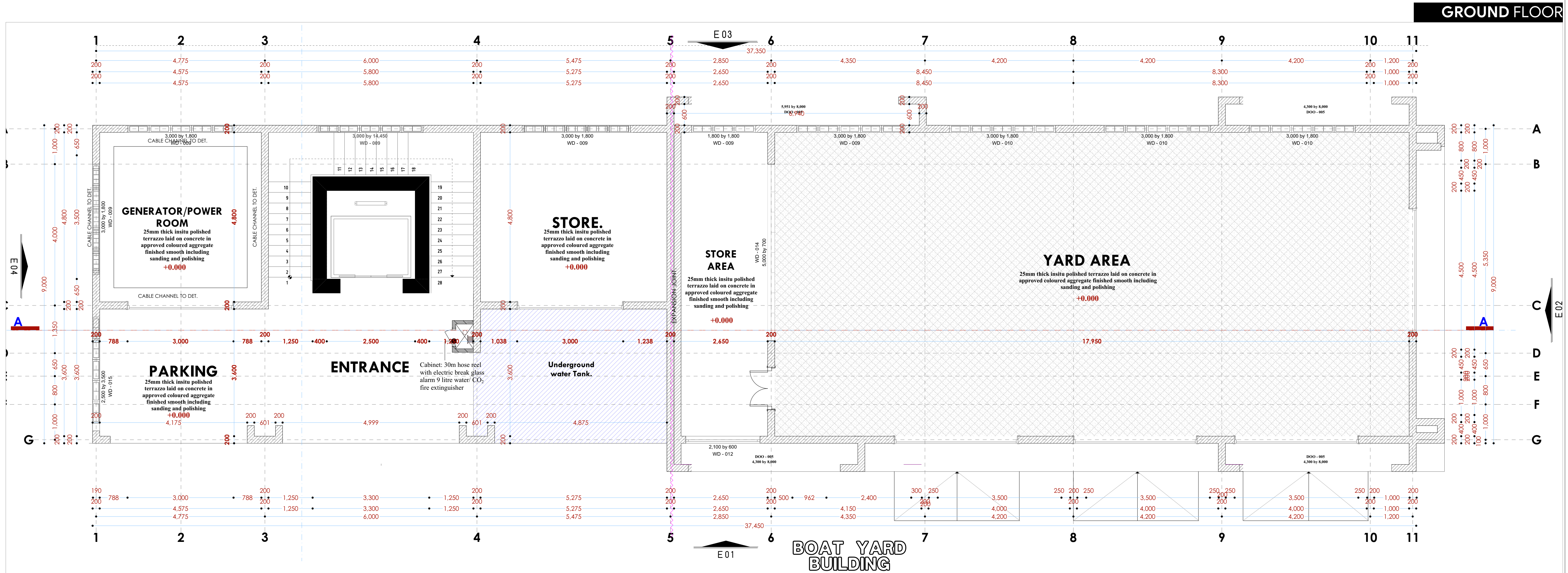
Drawing No. 12-001-

Scale N.T.S









**GENERAL**

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by the consulting the respective consultants' drawings.

**CONSTRUCTION**

1. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
2. All slabs at grade to be poured on 1000gaugge polythene/50mm stone dust blinding on compacted hardcore.
3. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

### STRUCTURAL

1. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

### MECHANICAL

12. All plumbing and drainage to comply with the relevant approving local authority's specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the WPS or waste pipes. All bends and junctions to have inspection plates.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground foul and waste drain pipes shall be UPVC and comply to BS5 415 and 5255, cast iron to comply to BS5 457 table 1 grade C except ones in the driveway to comply to BS5 457 table 1 grade C except.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 457 table 1 grade C except.
19. Storm water drain shall comply to BS 556.
20. Minimum slopes to drains shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
22. No chasing will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

### ELECTRICAL

24. All conduits must be laid before plastering.
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**  
26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors  
27. Provide underground water tank with automatic electric booster pump for ring main  
28. provide automatic push button fire alarm system  
29. provide heat and smoke detectors in each room  
provide 9kg. dry powder fire extinguishers to ME specifications

[illegible]

Project : **PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.: \_\_\_\_\_  
Location : **MWAEPE KWALE  
COUNTY**

Client : **STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

---

Subject :

**WORKING DRAWINGS.**

Consultancy :  
ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website : [www.arprimconsultants.com](http://www.arprimconsultants.com)

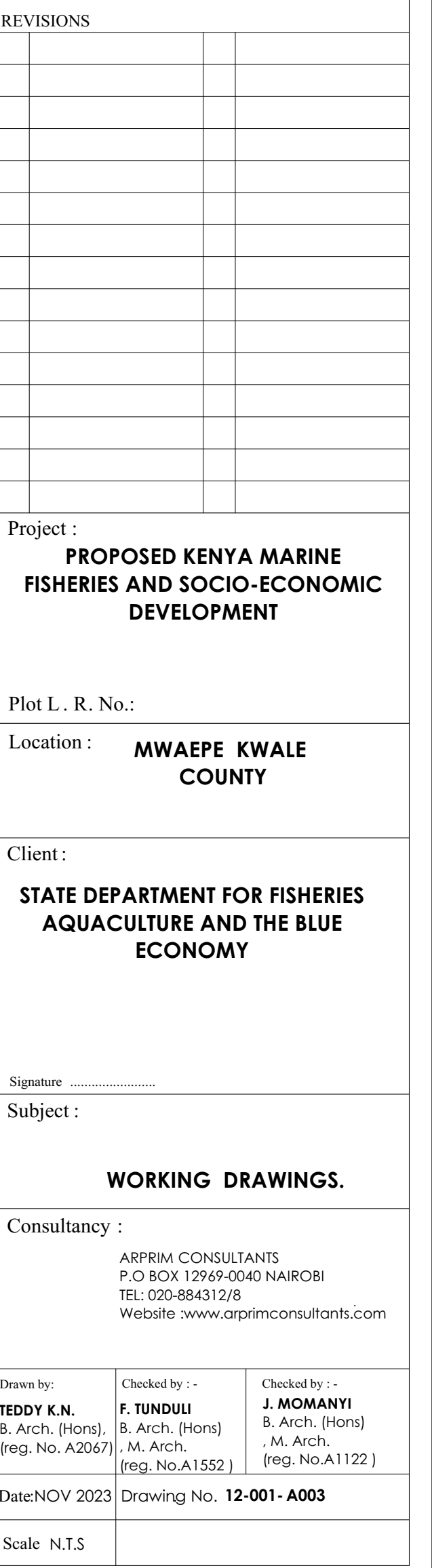
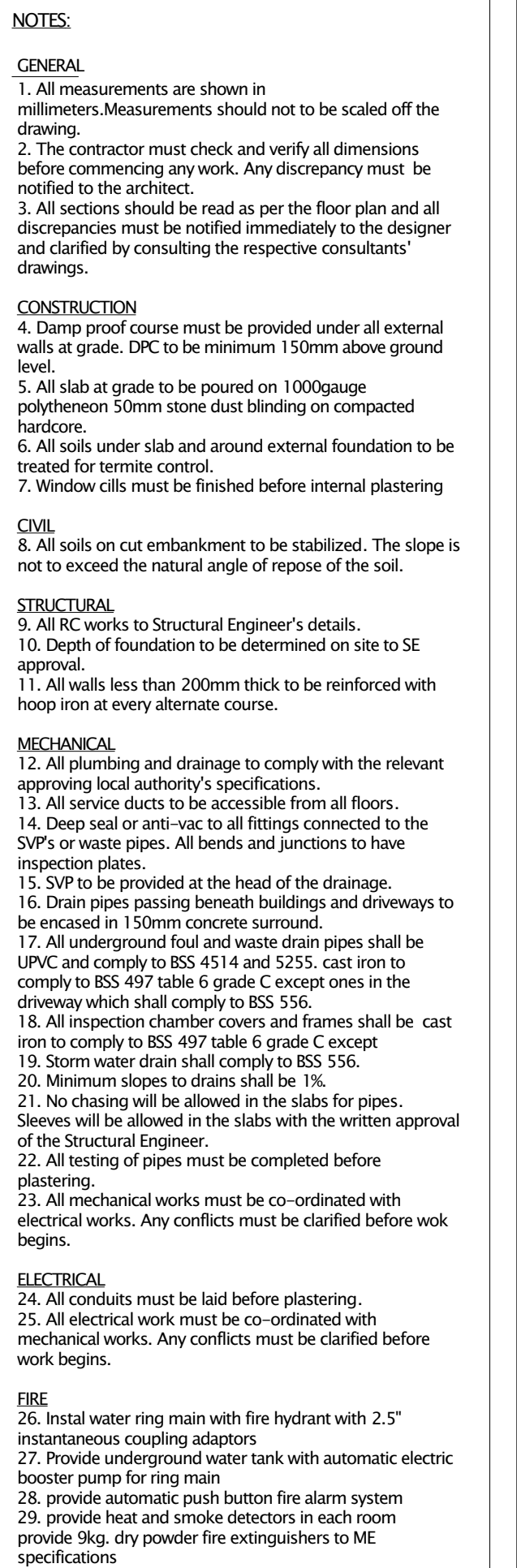
Drawn by: <b>EDDY K.N.</b> B. Arch. (Hons), (reg. No. A2067)	Checked by :- <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No. A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No. A1122)
---	---	---

Date: NOV 2023 | Drawing No. 12-001- A002

Scale N.T.S



M W A E P E





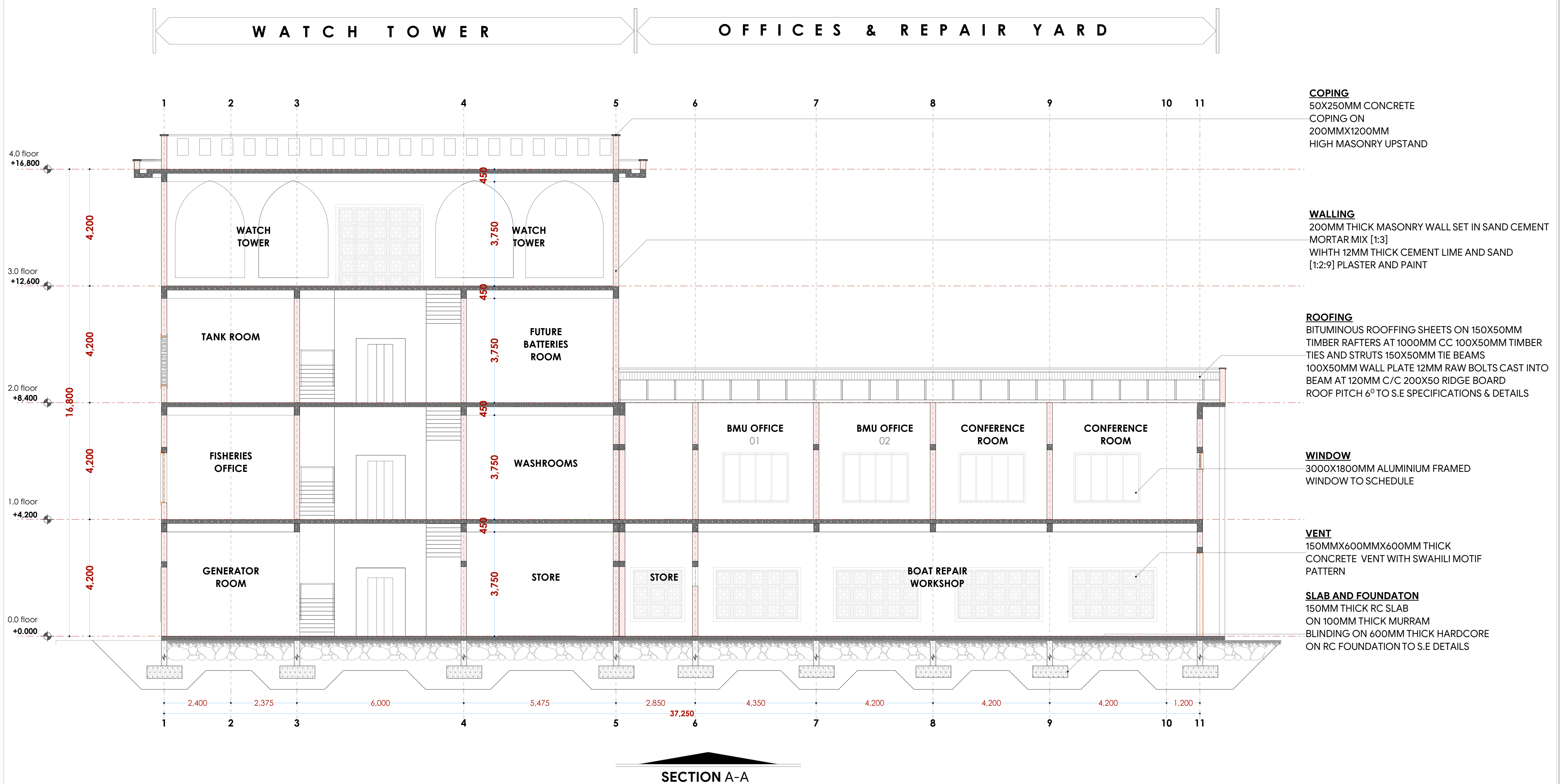
# WATCHTOWER ROOF FLOOR



## Scale N.T.S



## SECTION A-A



NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polythene on 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

STRUCTURAL  
 0 1 1 0 0 1

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the relevant approving local authority's specifications.
13. All service ducts to be installed in all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste-pipes. All bends and junctions to have a transition plastered.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground drainage pipes and manholes shall be UPVC and comply to BS5 4374 and 5255, cast iron to comply to BS 855 497 table 6 grade C except ones in the street which shall comply to BS 855 497 table 6 grade C.
18. All inspection chambers covers and frames shall be cast iron to comply to BS5 497 table 6 grade C.
19. Storm water drain shall comply to BS 556.
20. Minimum slopes for drains shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

**Client:**

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

EDDY K.N.

Arch. (H)

eg. No. A2

---

Date: NOV 2

Date: NOV .

Boole, N.T.

Scale N.T.5

Checked by : -
----------------

F. TUNDULI

B. Arch. (Hons)

) , M. Arch.

(reg. No. A1552)

Drawing No.

Drawing NO.

--	--

\_\_\_\_\_

M W A T F S S

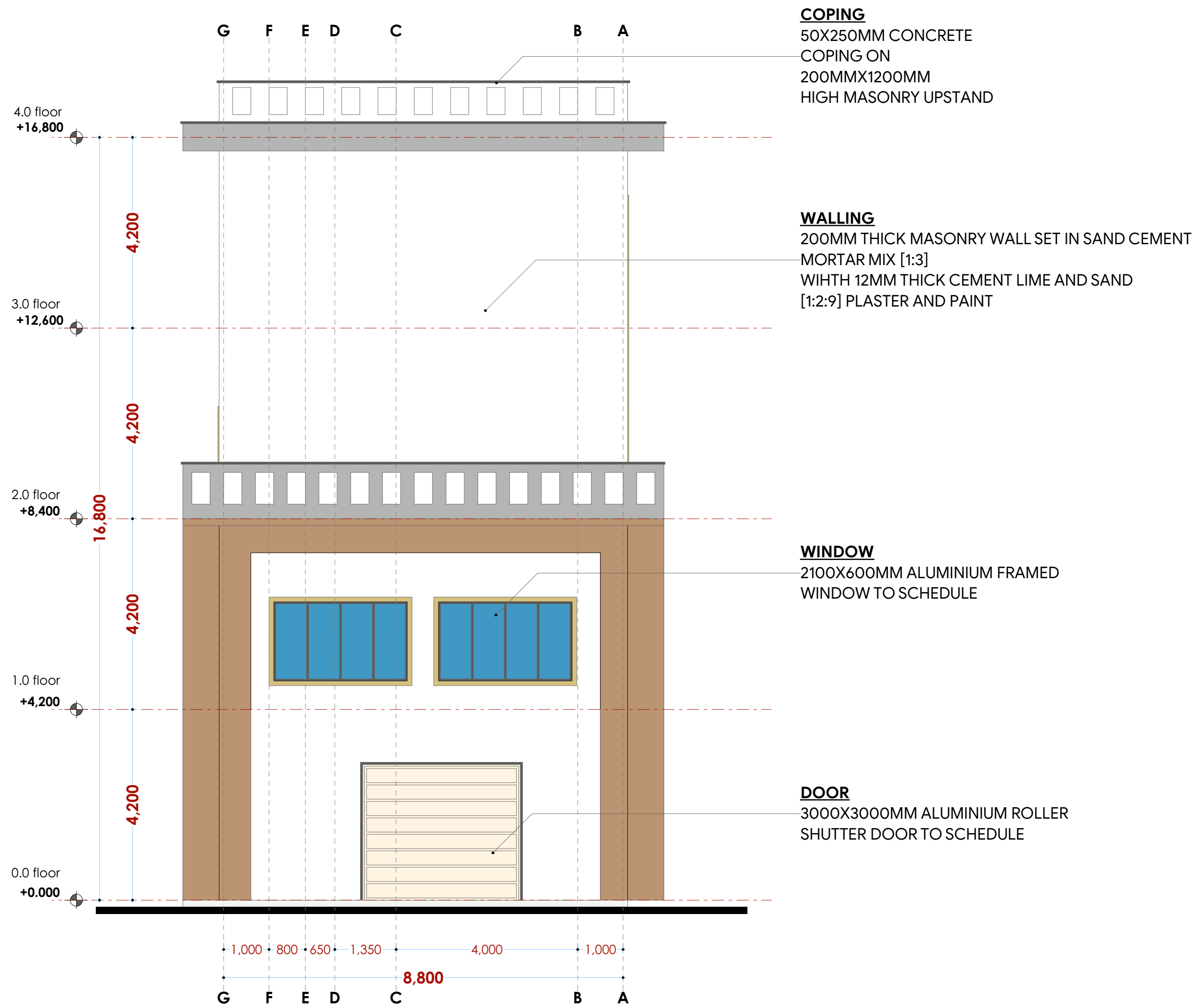


**DOOR**  
3000X3000MM ALUMINIUM ROLLER  
SHUTTER DOOR TO SCHEDULE

Scale N.T.5

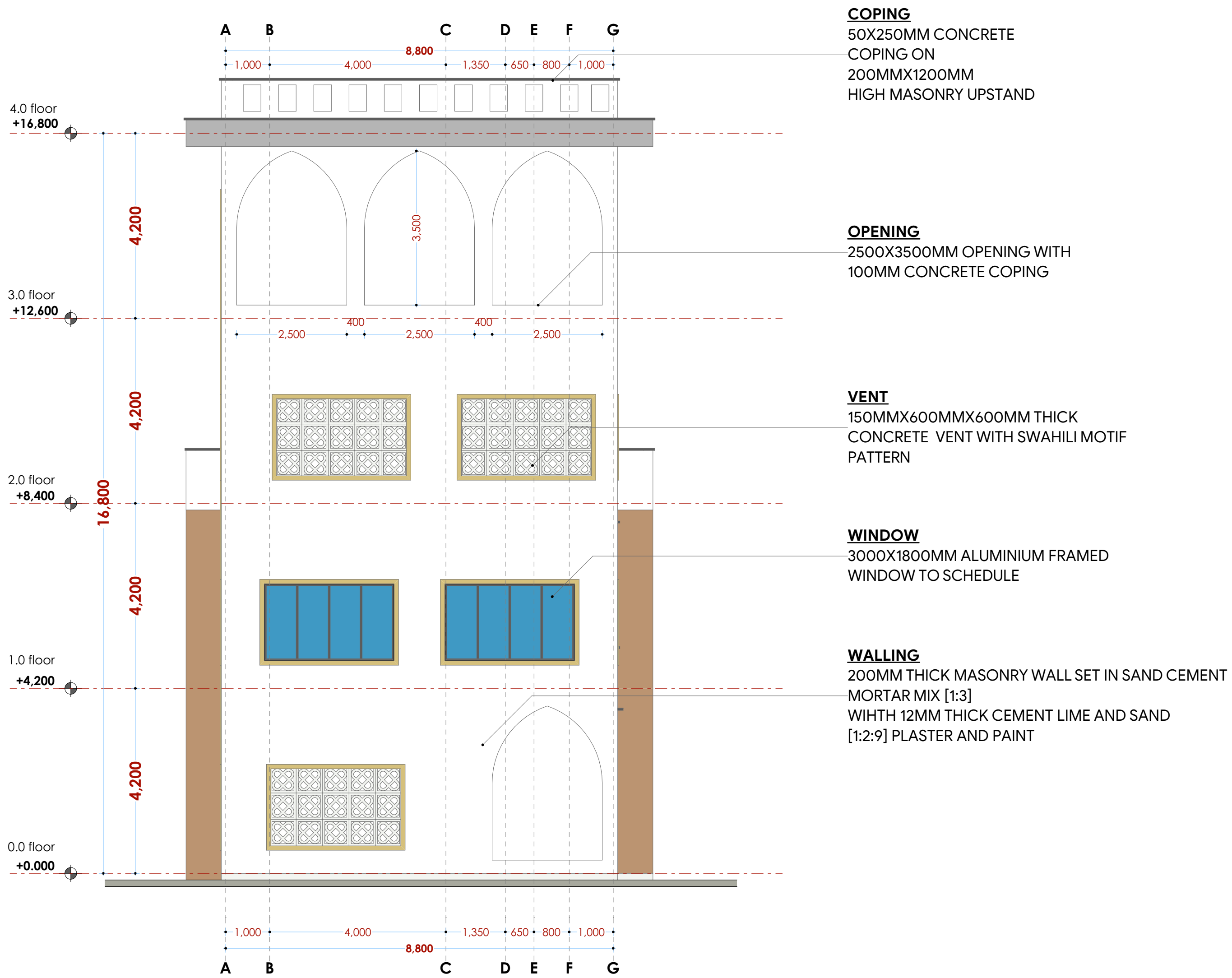


## ELEVATION 02



### ELEVATION 02 SIDE

## ELEVATION 04



### ELEVATION 04 SIDE

## NOTES

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the design and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope not to exceed the natural angle of repose of the soil.

STRUCTURA  
S. A. I. R. S.

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the relevant standards.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or service pipes. All bends and junctions to have a minimum 100mm radius.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be installed in 150mm concrete surround.
17. All underground foul and waste drain pipes shall be UPVC and comply to BS85 414 and S2255. cast iron to comply to BS85 497 table 6 grade C except ones in the car park.
18. All inspection chamber covers and frames shall be cast iron to comply to BS85 497 table 6 grade C except in the car park.
19. Storm drains shall be cast iron to comply to BS561 1.
20. Minimum slopes to drains shall be: 1%.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with the electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE**  
**COUNTY**

Client :

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject

**WORKING DRAWINGS.**

## Consultancy

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.co](http://www.arprimconsultants.co)

Drawn by:	Checked by :-	Checked by :-
<b>EDDY K.N.</b>	<b>F. TUNDULI</b>	<b>J. MOMANYI</b>
B. Arch. (Hons),	B. Arch. (Hons)	B. Arch. (Hons)
(reg. No. A2067)	, M. Arch.	, M. Arch.
	(reg. No. A1552)	(reg. No. A1122)

Date: NOV 2023 | Drawing No. 12-001- A007

Scale N.T.S.



**NOTES:**

**GENERAL**

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.

2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.

3. All sections should be read as per the floor plan and all drawings must be consulted immediately to the designer and clarified by notifying the respective consultants' drawings.

**CONSTRUCTION**

1. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.

2. All slab at grade to be poured on 100gauged polythene/50mm stone dust blinding on compacted hardcore.

3. All work under slab and around external foundation to be completed for termite control.

4. Window sills must be finished before internal plastering

**CIVIL**

1. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

**STRUCTURAL**

1. All RC works to Structural Engineer's details.

2. 10 depth of foundation to be determined on site to SE approval.

3. All walls less than 200mm thick to be reinforced with hoop iron on every alternate course.

[illegible]

Project : **PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

---

Plot L. R. No.: \_\_\_\_\_

Location : **MWAEPE KWALE  
COUNTY**

---

Client : \_\_\_\_\_

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

signature .....

subject :

---

**WORKING DRAWINGS.**

---

consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

wn by: <b>DDY K.N.</b> Arch. (Hons), g. No. A2067)	Checked by :- <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122 )
te: NOV 2023	Drawing No. <b>12-001- A008</b>	
rale N.T.S		



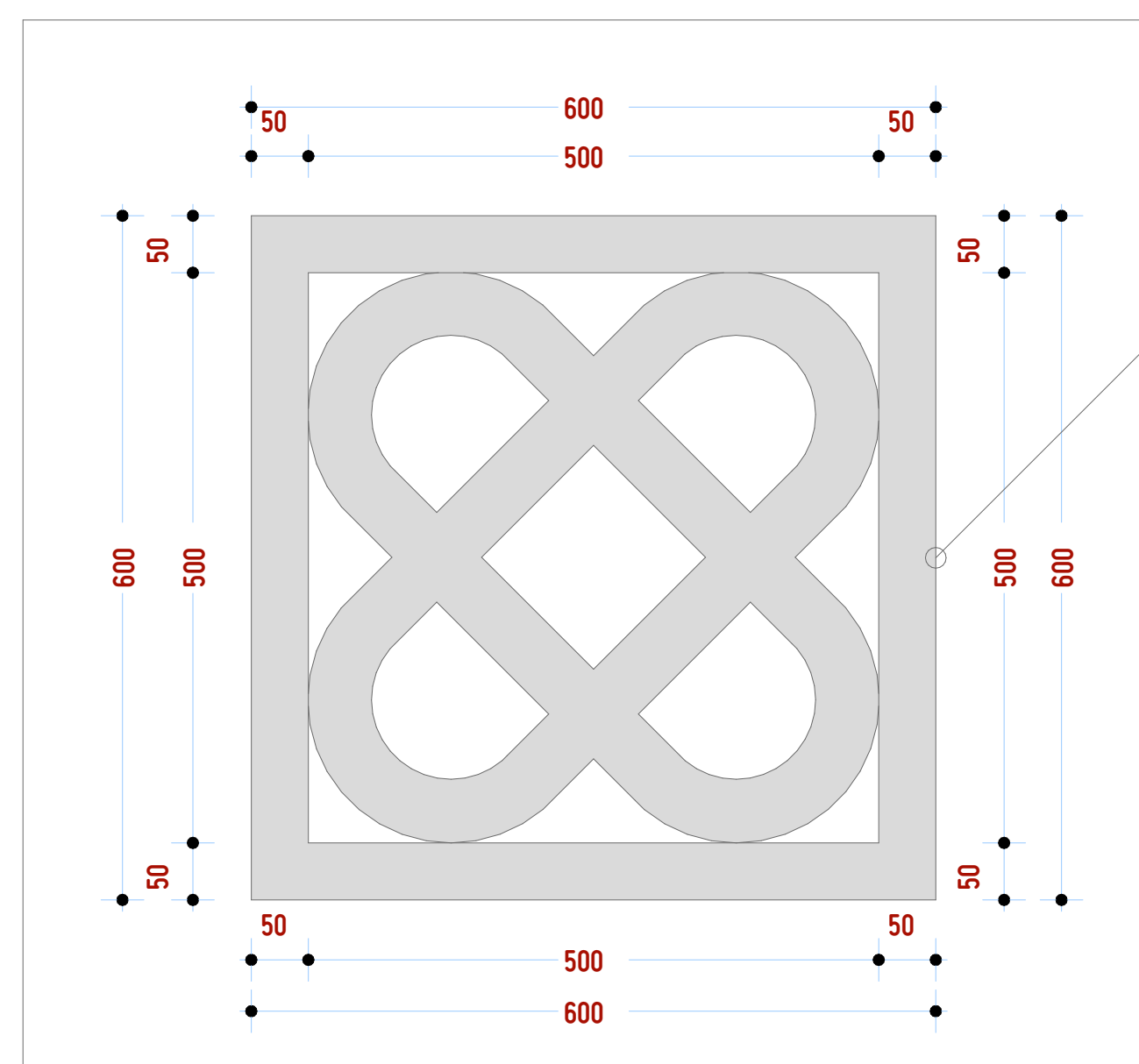
## & BOAT BUILDING YARD

M W A E P E

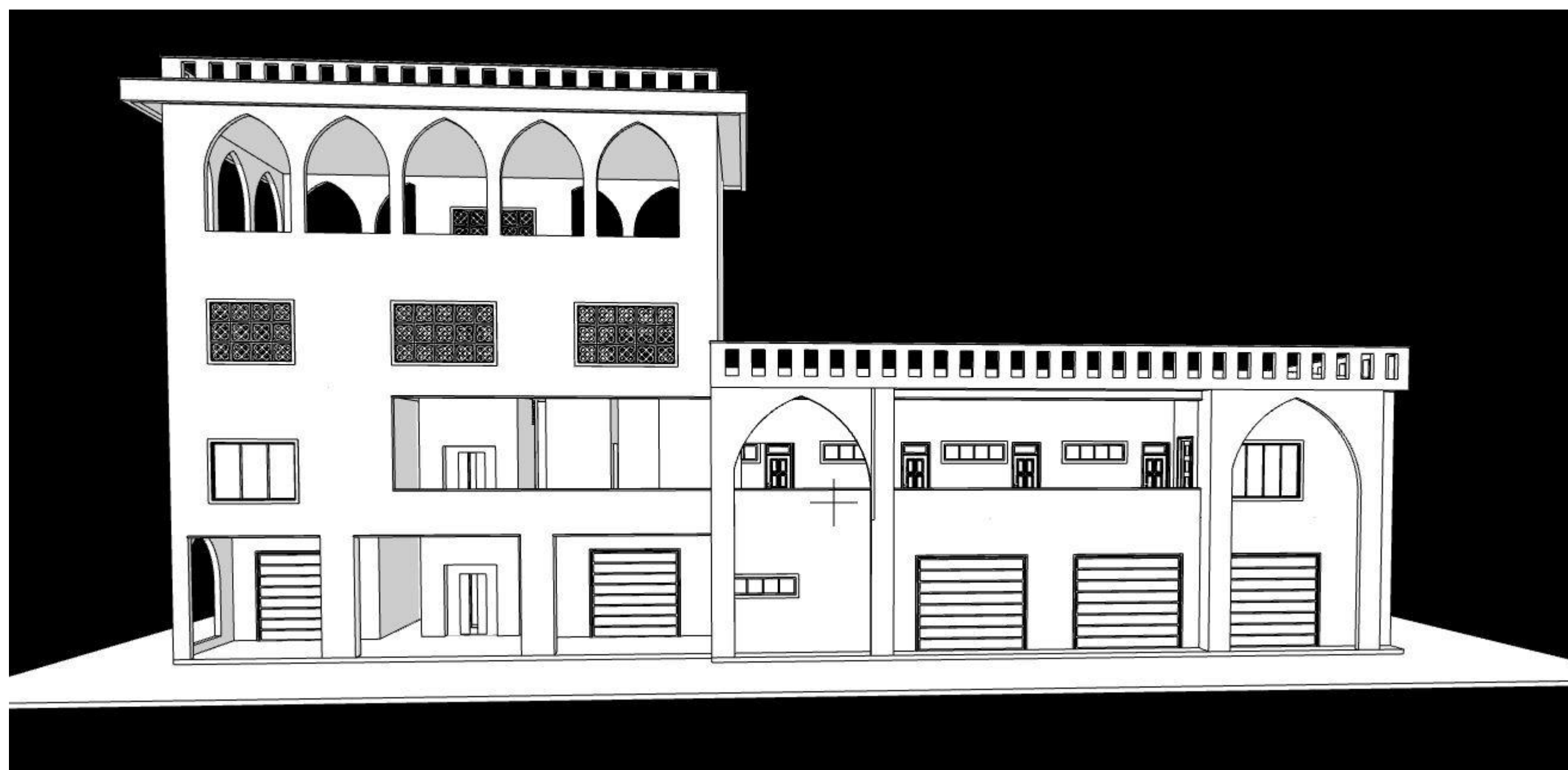
## WINDOW SCHEDULE

<p>(Window type <b>W<sub>002</sub></b>)</p> <p>2400X1800MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant &amp; painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.</p>	<p>(Window type <b>W<sub>001</sub></b>)</p> <p>2100X600MM powder coated aluminium framed top hung windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant &amp; painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.</p>	<p>(Window type <b>W<sub>003</sub></b>)</p> <p>3000X1800MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant &amp; painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.</p>
<p><b>FISH GEAR STORE</b> <b>6 N O .</b></p>	<p><b>WASHROOM   STORE   BMU OFFICE</b> <b>9 N O .</b></p>	<p><b>CONFERENCE ROOM   FISHERIES OFFICE</b> <b>4 N O .</b></p>

## VENT BLOCK- SWAHILI MOTIF PATTERN



150 MM THICK  
PRECAST  
CONCRETE VENT  
BLOCKS



## NOTES

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the current approved local authority's specifications.
13. All service ducts to be installed in accordance with BS 5266 from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
15. All UPV to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground drainage pipes to be cast in concrete pipes shall be UPVC and comply to BS 4514 and 5255, cast iron pipes shall comply to BS 4574 table 6 grade C except ones in the driveway which shall comply to BS 4555.
18. All inspection chambers, covers and frames shall be cast iron to comply to BS 4574 table 6 grade C except in storm water drain shall comply to BS 556.
19. Minimum pipe size shall be 100mm.
20. All pipes shall be installed in accordance with BS 5536.
21. No chasing will be allowed in the slabs for pipes. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
22. All testing of pipes must be completed before plastering.
23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

- 24. All conduits must be laid before plastering.
  - 25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.
- FIRE**
- 26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
  - 27. Provide underground water tank with automatic electric booster pump for ring main
  - 28. provide automatic push button fire alarm system
  - 29. provide heat and smoke detectors in each room
- provide 5kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:

STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :	
---------------	--

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by: <b>TEDDY K.N.</b> B. Arch. (Hons), (reg. No. A2067)	Checked by : - <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552 )	Checked by : - <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122 )
--	--	--

Date: NOV 2023	Drawing No. 12-001- A009
----------------	--------------------------

Scale N.T.S.



## DOOR SCHEDULE

FF +4200	RL +4050	RL +4050	RL +4050
(Door type : <b>D<sub>001</sub></b> )	(Door type : <b>D<sub>003</sub></b> )	(Door type : <b>D<sub>002</sub></b> )	(Door type : <b>D<sub>004</sub></b> )
1100*2400MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOUBLE ACTING DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	800*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	1000*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	1500X2400MM HARDWOOD DOUBLE LEAF SOLID CORE MVULE DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS
WASHROOM ENTRANCE   PWD	ABLUTION BLOCK CUBICLES	ABLUTION BLOCK PARAPLEGIC	CONFERENCE ROOM   FISHERIES OFFICE
6 NO .	2 NO .	4 NO .	2 NO .

<p>(Door type : <b>D 005</b> )</p>	<p>(Door type : <b>D 006</b> )</p>	<p>(Door type : <b>D 007</b> )</p>
<p>3000X35000MM ALUMINIUM ROLLER SHUTTER DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p><b>BOAT BUILDING YARD</b></p>	<p>3000X3000MM ALUMINIUM ROLLER SHUTTER DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p><b>GENERAATOR ROOM   STORE</b></p>	<p>800*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p><b>TANK ROOM,BATTERIES ROOM</b></p>
<p><b>4 N O .</b></p>	<p><b>2 N O .</b></p>	<p><b>3 N O .</b></p>

NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not to be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
13. All services to be installed in the ceiling and all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have appropriate plastering.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground drainage pipes and SVPs shall be UPVC and comply to BS5454 class 2 S255. cast iron to comply to BS8549 table 6 grade C except ones in the driveway which shall be cast iron to BS5556.
18. All inspection chamber covers and frames shall be cast iron to comply to BS549 table 6 grade C except ones in the driveway which shall be cast iron to BS5556.
19. Storm water drain shall comply to BS5556.
20. Minimum cover to drains shall be 150mm.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

### Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client :

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

**Subject :**

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by: <b>EDDY K.N.</b> B. Arch. (Hons), (reg. No. A2067)	Checked by :- <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122 )
---	---	---

Date: NOV 2023 | Drawing No. 12-001- A010

Scale N.T.S





NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not to be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering.

## CML

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the relevant approving local authority's specifications.
  13. Service ducts to be installed to BS55 from all floors.
  14. Deep seal or anti-vac to all fittings connected to the SVPs or pressure pipes. All bends and junctions to have cast iron plates.
  15. SVP to be provided at the head of the drainage.
  16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
  17. All underground drainage and waste pipes shall be UPVC and comply to BS5 4514 and 5255. Cast iron to comply to BS5 497 table 6 grade C except ones in the driveway which shall comply to BS5 497 table 6 grade D.
  18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except for storm water drain shall comply to BS5 556.
  19. Minimum slopes to drains shall be 1%.
  20. No chasing will be allowed in the slabs for pipes.
  21. No chasing will be allowed in the slabs with the written approval of the Structural Engineer.
  22. All testing of pipes must be completed before plastering.
  23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.
- ELECTRICAL**
24. All conduits must be laid before plastering.
  25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

MWAEPE FISH LANDING SITE

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

subject :

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

own by:

TER MOMANYI

Arch. (Hons),

Checked by : -

F. TUNDULI

B. Arch. (Hons)

Checked by : -

### I. MOMANYI

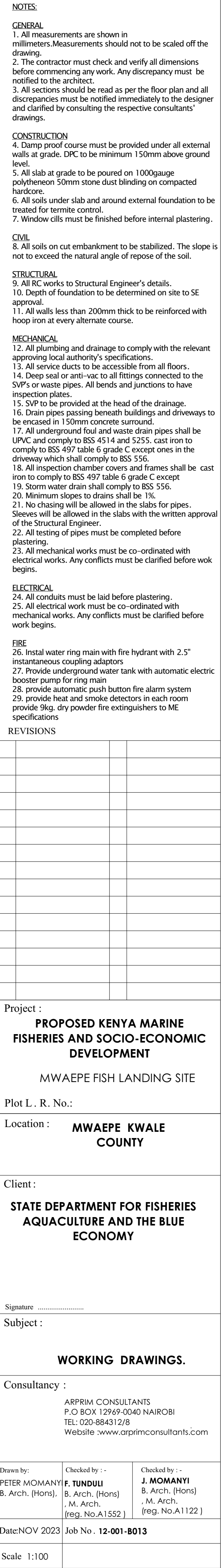
B. Arch. (Hons)  
M. Arch.

te: NOV 2023	Job No. 12-001-B012
--------------	---------------------

scale 1:100



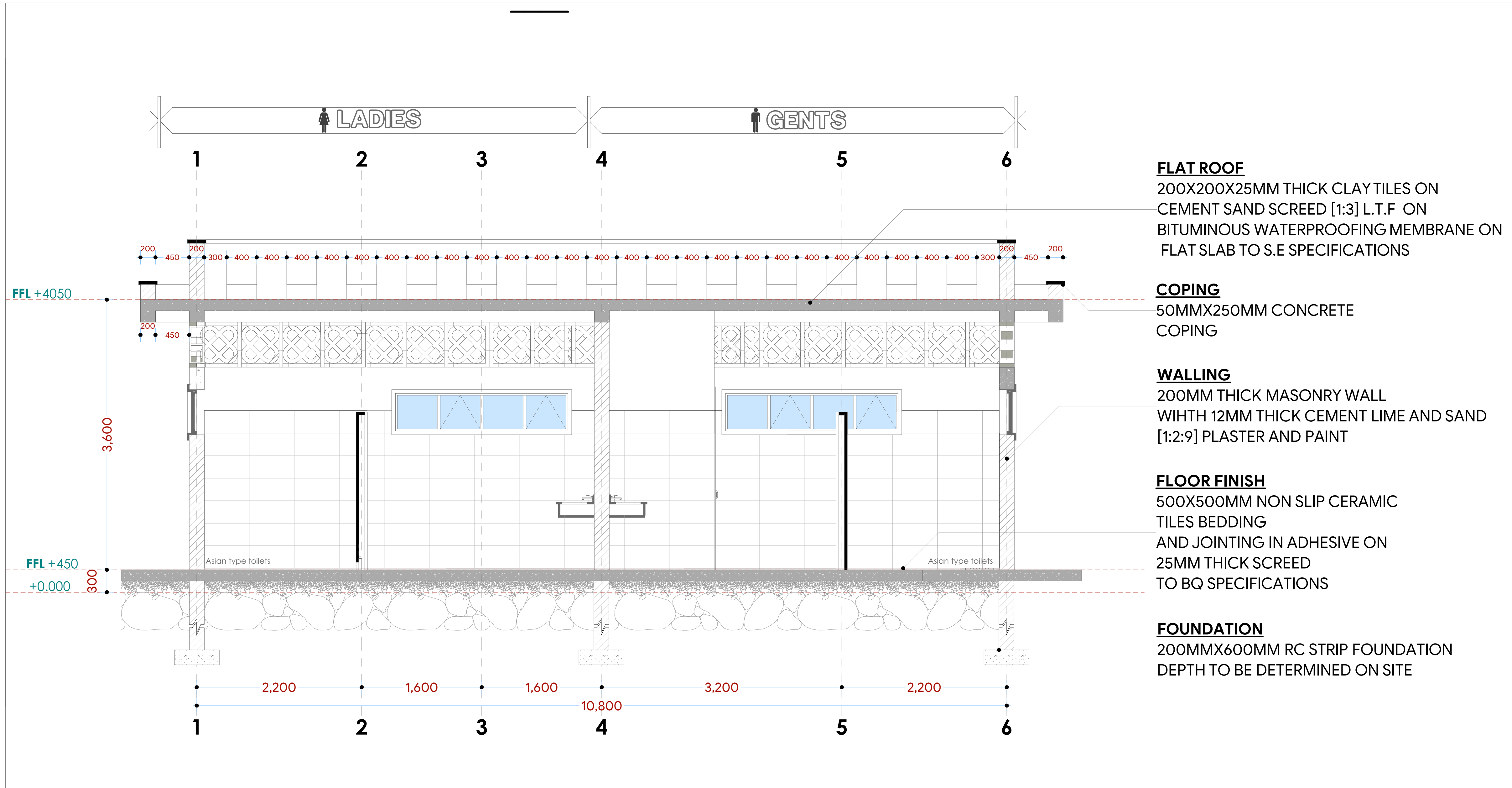
# ELEVATIONS



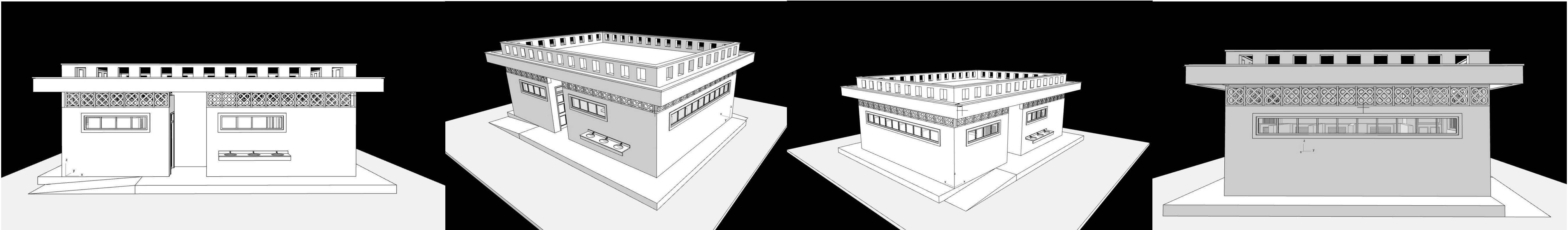


## ABLUTION BLOCK BUILDING

K I P I N I



## SECTION 01



NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not to be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000 gauge polythene on 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering.

CML

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing ducts to comply with the relevant standards of the engineering profession.
  13. All service ducts to be accessible from all floors.
  14. Deep seal or anti-vac to all fittings connected to the water supply pipes. All bends and junctions to have inspection plates.
  15. Drain to be provided at the head of the drainage.
  16. Sump pits passing beneath buildings and driveways to be encased in 150mm concrete surround.
  17. All underground foul and waste drain pipes shall be UPVC and conform to BS8 4514 and 5255, cast iron to conform to BS8 459 and 5256 except where one in the driveway which shall comply to BS8 556.
  18. All inspection chamber covers and frames shall be cast iron to comply to BS8 497 grade 6 grade C except where one in the driveway shall comply to BS8 556.
  19. Storm water drains shall be 150 mm dia.
  20. Minimum slopes to drains shall be 1%.
  21. No structural work will be allowed in the slabs for pipes above ground level. The slabs with the written approval of the Structural Engineer.
  22. All testing of pipes must be completed before plastering.
    - a) All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.
- ELECTRICAL
24. All conduits must be laid before plastering.
  25. All electrical work must be co-ordinated with other mechanical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. Provide automatic push button fire alarm system
29. Provide heat and smoke detectors in each room
- Provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

MWAEPE FISH LANDING SITE

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client :

STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

ETER MOMANYI

Arch. (Hons).

Checked by : -

F. TUNDULI

B. Arch. (Hons)  
M. Arch

Checked by : -

**J. MOMANYI**  
B. Arab. (Hons)

, M. Arch.

ate: NOV 2023 | Job No. 12-001-B014

Scale 1:100



## A





**E**



Scale: 1:100	
--------------	--





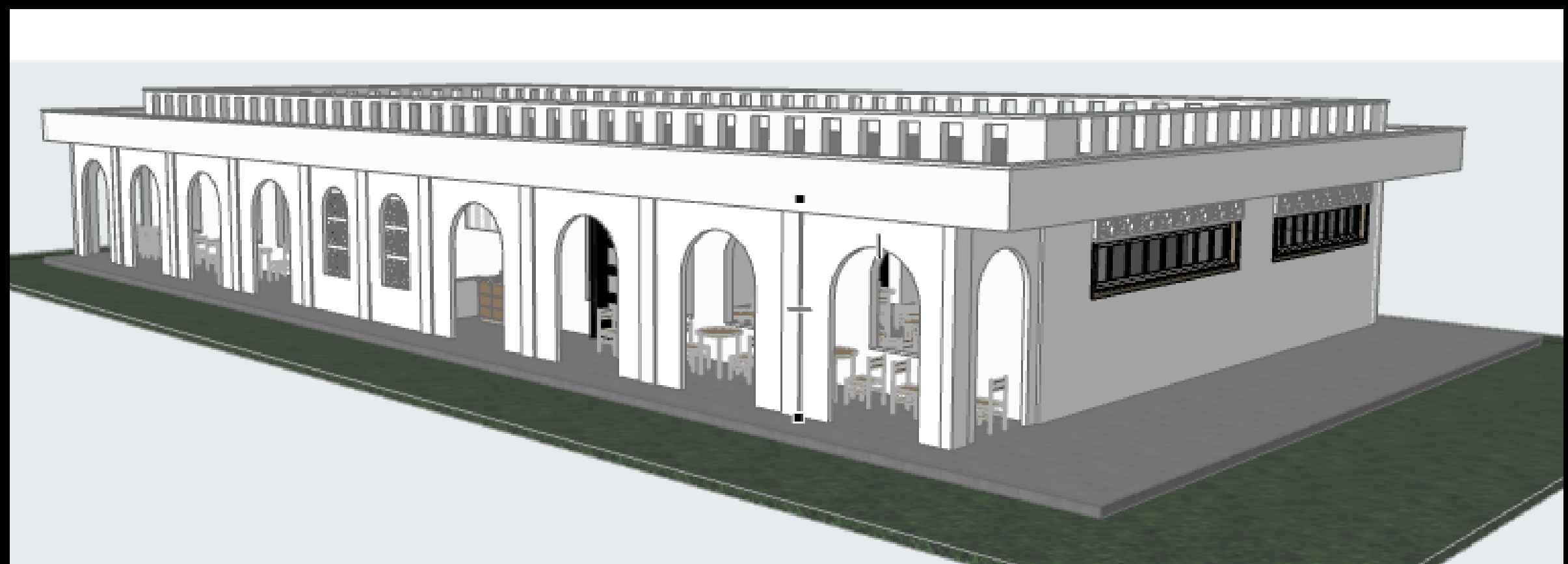
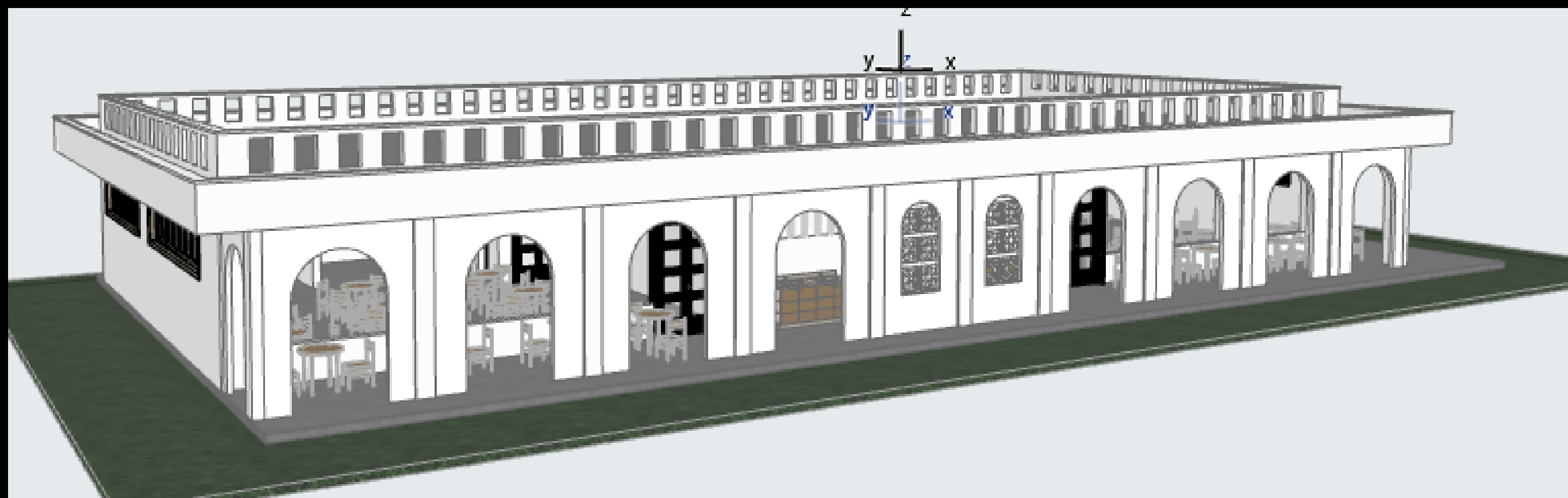
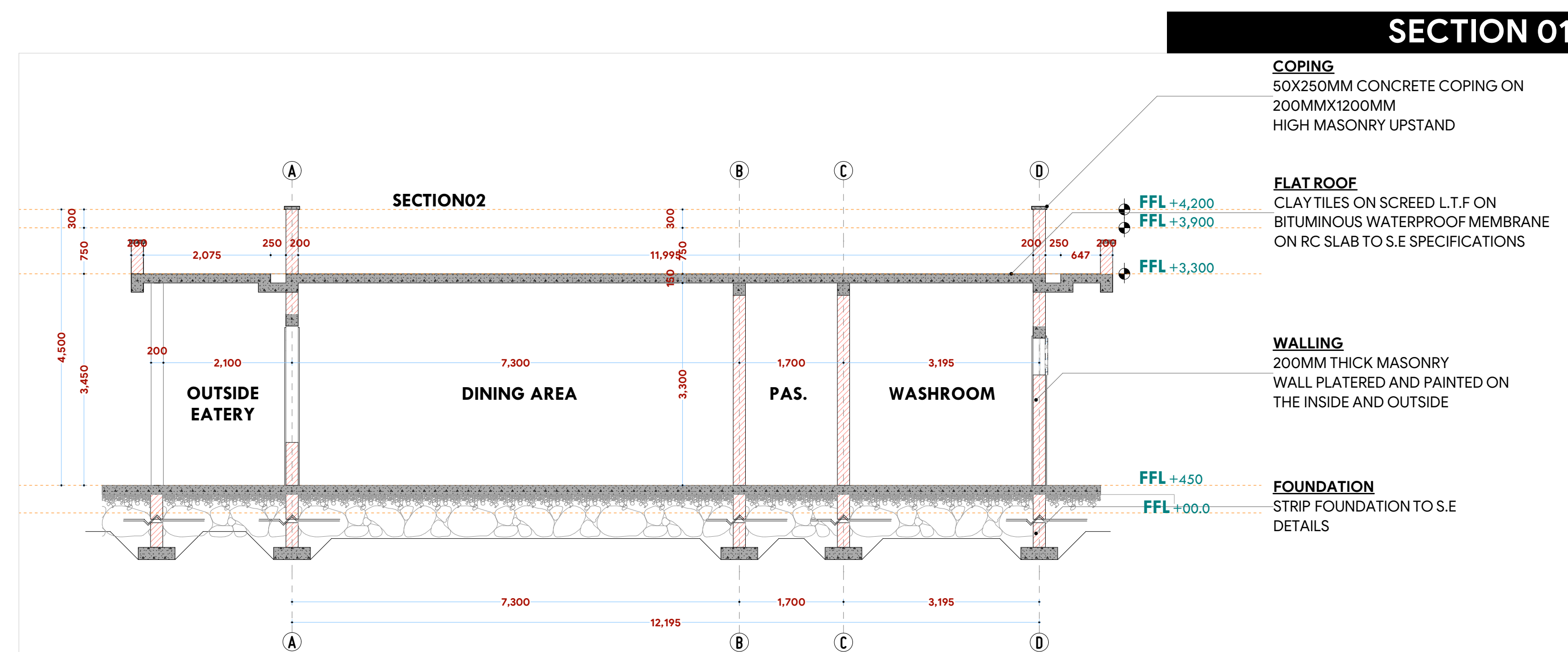
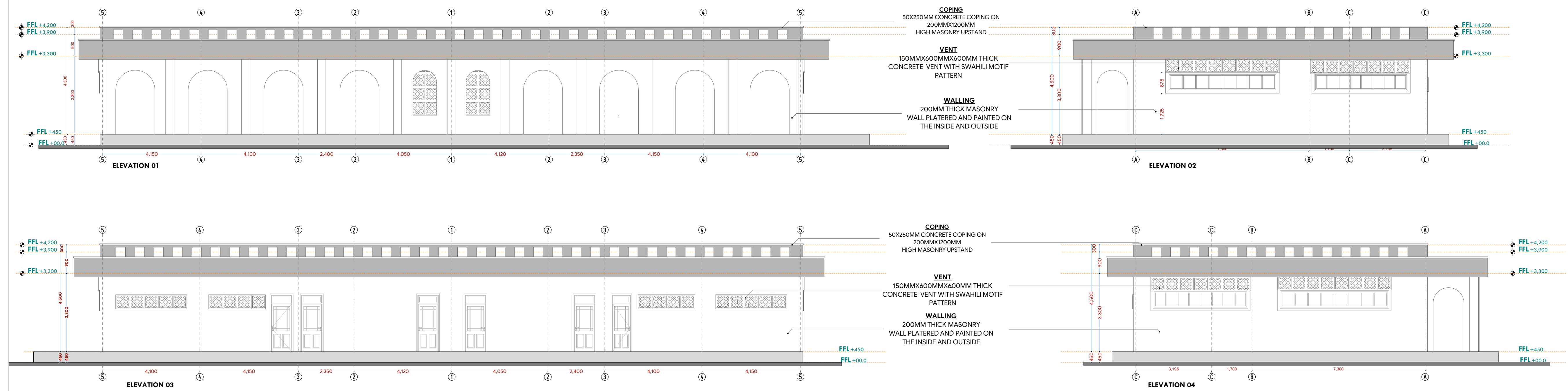








# 12.C | RESTAURANT BUILDING



## ELEVATIONS

## SECTION 01

**NOTES:**

**GENERAL**

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.

2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.

3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and verified by consulting the respective consultants' drawings.

**CONSTRUCTION**

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.

5. All slab at grade to be poured on 100Gauge polythene 50mm stone dust blinding on compacted hardcore.

6. All soils under slab and around external foundation to be treated for termite control.

7. Window cills must be finished before internal plastering

**STRUCTURAL**  
9. All RC works to Structural Engineer's details.  
10. Depth of foundation to be determined on site to SE approval.  
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

12. All plumbing and drainage to comply with the relevant approving local authority's specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
15. SVP to be installed at the head of the drainage.
16. Drain pipes beneath concrete buildings and driveways to be encased in 150mm concrete surround.
17. All underground foul and waste drain pipes shall be encased in concrete to BS 6997:1991 530mm cast iron to comply to BS 497 part 6 grade C except ones in the driveway which shall comply to BS S55.
18. All inspection chamber covers and frames shall be cast iron to comply to BS 497:1991 530mm cast iron to comply to BS 497 part 6 grade C except ones in the driveway which shall comply to BS S55.
19. Storm water drain shall comply to BS S55.
20. Minimum slope to drains shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be cast into the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

**ELECTRICAL**  
24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

- 26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
- 27. Provide underground water tank with automatic electric booster pump for ring main
- 28. Provide automatic push button fire alarm system
- 29. provide heat and smoke detectors in each room

provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project : **PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client :  
**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

---

Subject :

### WORKING DRAWINGS.

Consultancy :  
ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by: <b>EDDY K.N.</b> B. Arch. (Hons), (reg. No. A2067)	Checked by : - <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552 )	Checked by : - <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122 )
---	--	--

Date: NOV 2023 Drawing No. 12-001-C020

Scale N.T.S.

## DOOR SCHEDULE

(Door type : <b>D<sub>001</sub></b> )	(Door type : <b>D<sub>003</sub></b> )	(Door type : <b>D<sub>002</sub></b> )	(Door type : <b>D<sub>004</sub></b> )	(Door type : <b>D<sub>005</sub></b> )
1100*2400MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOUBLE ACTING DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	800*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	1000*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	1500X2400MM HARDWOOD DOUBLE LEAF LOUVRED MVULE DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	1500X2400MM HARDWOOD DOUBLE LEAF DOUBLE ACTING LOUVRED MVULE DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS
WASHROOM ENTRANCE  KITCHEN ENTRANCE	WASHROOM CUBICLES	ABLUTION BLOCK PARAPLEGIC	DINING ENTRANCE	KITCHEN ENTRY FROM DINING AREA
6 NO .	6 NO .	2 NO .	4 NO .	4 NO .

## WINDOW SCHEDULE

<p>(Window type <b>W<sub>001</sub></b>)</p>	<p>(Window type <b>W<sub>002</sub></b>)</p>	<p>(Window type <b>W<sub>003</sub></b>)</p>	<p>(Window type: <b>VENT A</b>)</p>	<p>(Window type: <b>VENT B</b>)</p>
<p>4000X800MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant &amp; painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.</p>	<p>2100X600MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant &amp; painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.</p>	<p>1000X1900MM ARCH TOP WINDOW WITH 100MM THICK CONCRETE VENT BLOCKS WITH SWAHILI MOTIF PATTERN</p>	<p>3000X600MM ARCH TOP WINDOW WITH 100MM THICK CONCRETE VENT BLOCKS WITH SWAHILI MOTIF PATTERN</p>	<p>3000X600MM ARCH TOP WINDOW WITH 100MM THICK CONCRETE VENT BLOCKS WITH SWAHILI MOTIF PATTERN</p>
<p>DINING AREA 4 N O .</p>	<p>WASHROOM   CHANGING ROOM   KITCHEN 8 N O</p>	<p>DINING 2 N O .</p>	<p>DINING 4 N O</p>	<p>KITCHEN 4 N O</p>

NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000 gauge polythene on 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

### MECHANICAL

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
13. Provide service ducts for all services to all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or service pipes. All bends and junctions to have cast iron plates.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be installed in 150mm concrete surround.
17. All underground floor and wastewater drain pipes shall be UPVC and comply to BS5 414 and S255, cast iron to comply to BS85 497 table 6 grade C except ones in the kitchen which shall comply to BS85 497 table 6 grade D.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except in the kitchen which shall comply to BS85 497 table 6 grade D.
19. Storm water drains to comply to BS85 497 table 6 grade D.
20. Minimum slopes to drains shall be 1:100.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

**ELECTRICAL**  
24. All conduct

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject :

### WORKING DRAWINGS.

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

EDDY K.N.

B. Arch. (Hons) (reg. No. A2067)	B. Arch. (Hons) , M. Arch. (reg. No. A1552)
-------------------------------------	---

Checked by : -
----------------

F. TUNDULI

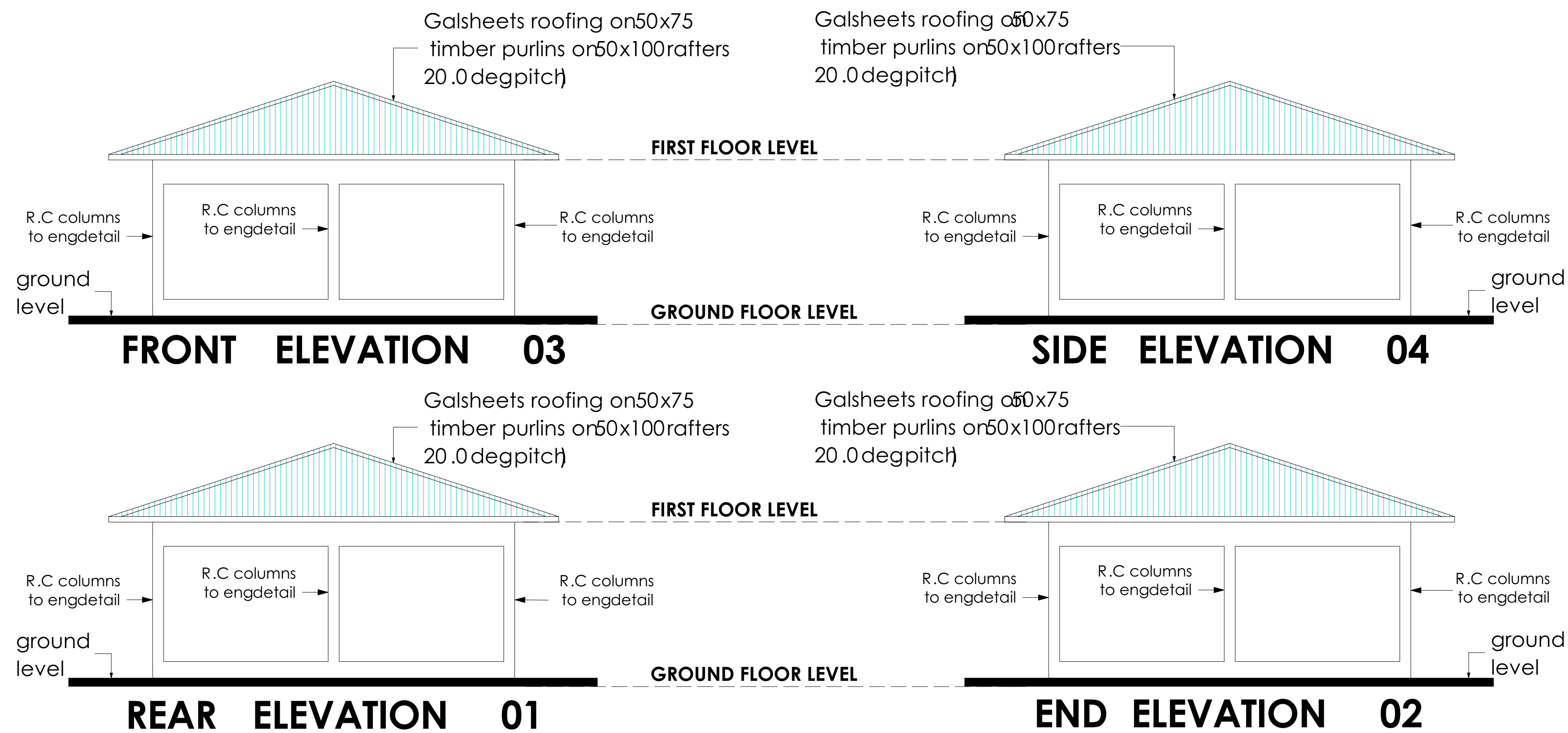
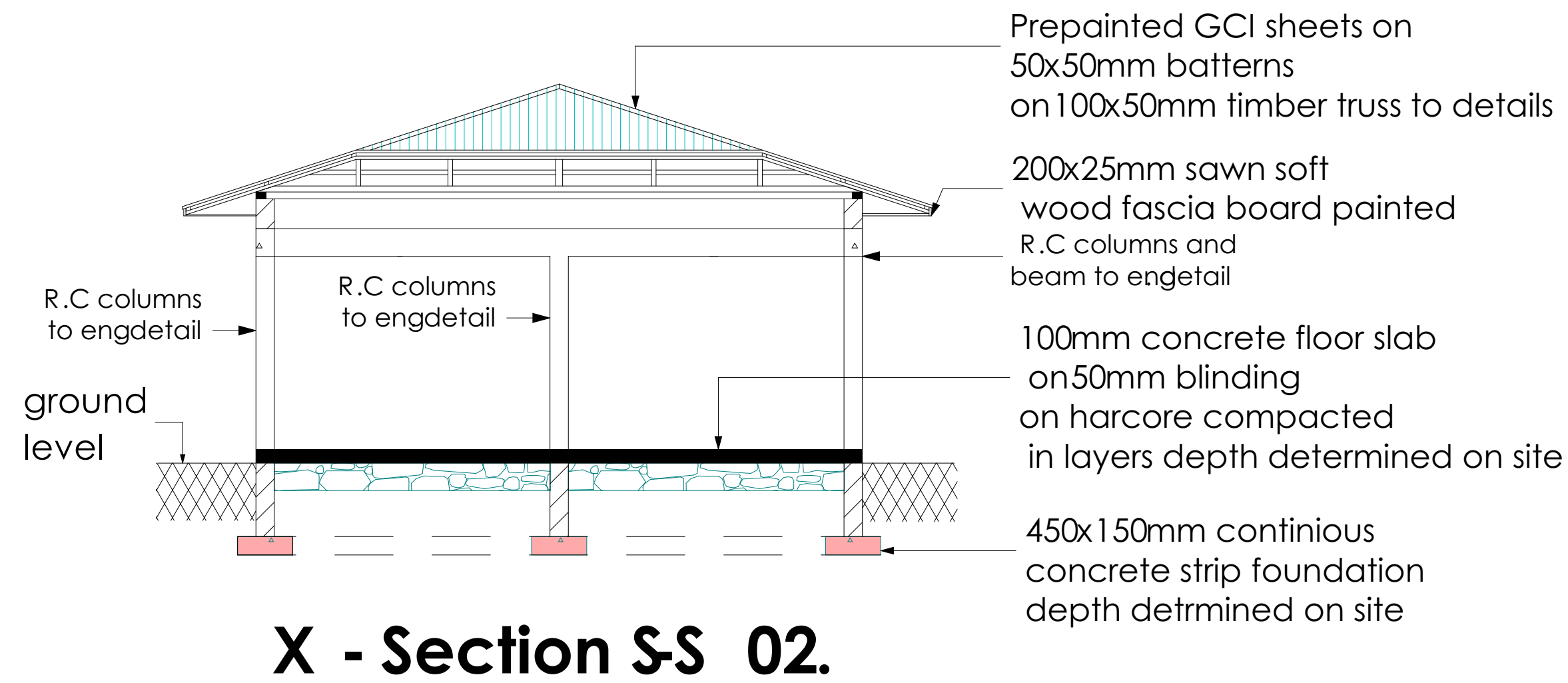
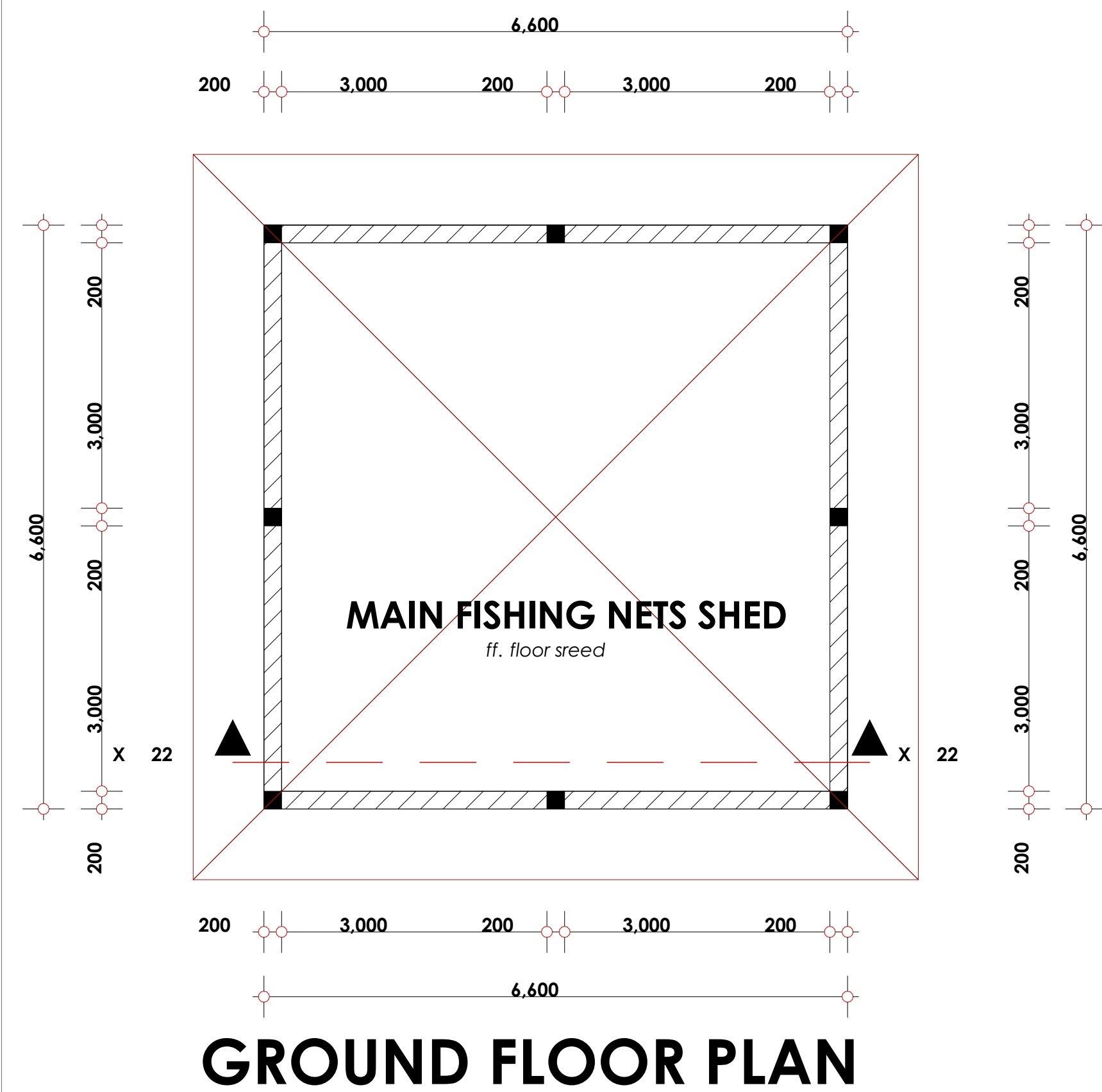
B. Arch. (Hons) , M. Arch. (reg. No.A1552 )	B. Arch. (Hons) , M. Arch. (reg. No.A1122 )
---	---

Date: NOV 2023	Drawing No. 12-001-C021
----------------	-------------------------

Scale N.T.S



**\* TO BE REPAINTED**



NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000 gauge polythene on 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

### MECHANICAL

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
13. Service ducts to be installed in accordance with all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground drainage to be 110mm diameter. Pipes shall be UPVC and comply to BS5 4514 and S2525. Cast iron pipes to comply to BS85 497 table 6 grade C except ones in the driveway which shall comply to BS85 497 table 6 grade A.
18. All inspection chamber covers and frames shall be cast iron to comply to BS85 497 table 6 grade C except storm water drain shall comply to BS85 556.
19. Minimum slopes to drain shall be 1%.
20. No chasing will be allowed in the slabs for pipes.
21. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
22. All testing of pipes must be completed before plastering.
23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

## FIRE

26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT  
FISH GEAR MENDING BUILDING.**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client :

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

EDDY K.N.

Arch. (Ho  
No. 10

F. TUNDULI

B. Arch. (Hons)  
M. Arch.

(reg. No. A1552

Drawing No. 1

Date: NOV 2023 Dr

Drawing No. 12-001-D022

Scale N.T.S



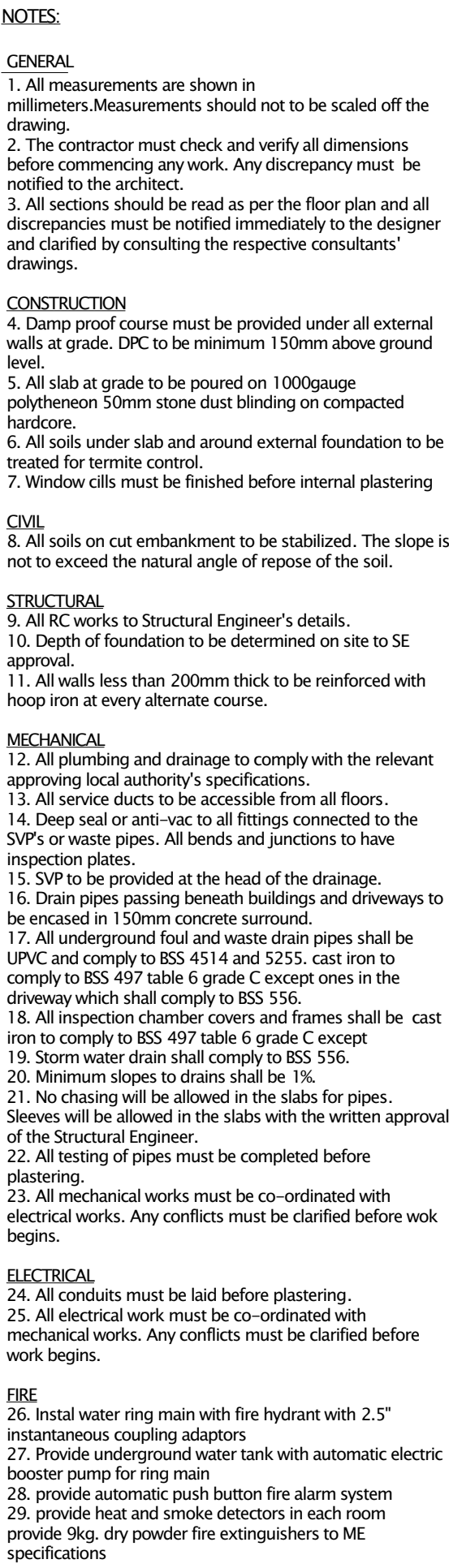


Male	N.T.S
------	-------







[illegible]

Project : **PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT**

Plot L. R. No.:

---

Location : **MWAEPE KWALE  
COUNTY**

Client :  
**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

---

Subject :  
**PROPOSED MODERN FISH BANDA.  
WORKING DRAWINGS.**

Consultancy :  
ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:	Checked by :-	Checked by :-
<b>EDDY K.N.</b>	<b>F. TUNDULI</b>	<b>J. MOMANYI</b>
B. Arch. (Hons), (reg. No. A2067)	B. Arch. (Hons) , M. Arch. (reg. No.A1552 )	B. Arch. (Hons) , M. Arch. (reg. No.A1122 )

ate: NOV 2023 | Drawing No. 12-001-E025

Scale N.T.S.



12.E

MODERN FISH BANDA

BUILDING

M W A E P E

FINISHES

- NOTES:
- GENERAL
1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.

2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.

3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
- CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.

5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.

6. All soils under slab and around external foundation to be treated for termite control.

7. Window cills must be finished before internal plastering
- CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.
- STRUCTURAL
9. All RC works to Structural Engineer's details.

10. Depth of foundation to be determined on site to SE approval.

11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.
- MECHANICAL
12. All plumbing and drainage to comply with the relevant approving local authority's specifications.

13. All service ducts to be accessible from all floors.

14. Deep seal or anti-vac to all fittings connected to the SVP's or waste pipes. All bends and junctions to have inspection plates.

15. SVP to be provided at the head of the drainage.

16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.

17. All underground foul and waste drain pipes shall be UPVC and comply to BSS 4514 and 5255. cast iron to comply to BSS 497 table 6 grade C except ones in the driveway which shall comply to BSS 556.

18. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C except

19. Storm water drain shall comply to BSS 556.

20. Minimum slopes to drains shall be 1%.

21. No chasing will be allowed in the slabs for pipes. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.

22. All testing of pipes must be completed before plastering.

23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.
- ELECTRICAL
24. All conduits must be laid before plastering.

25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.
- FIRE
26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors

27. Provide underground water tank with automatic electric booster pump for ring main

28. provide automatic push button fire alarm system

29. provide heat and smoke detectors in each room provide 9kg. dry powder fire extinguishers to ME specifications



POLISHED TERRAZZO



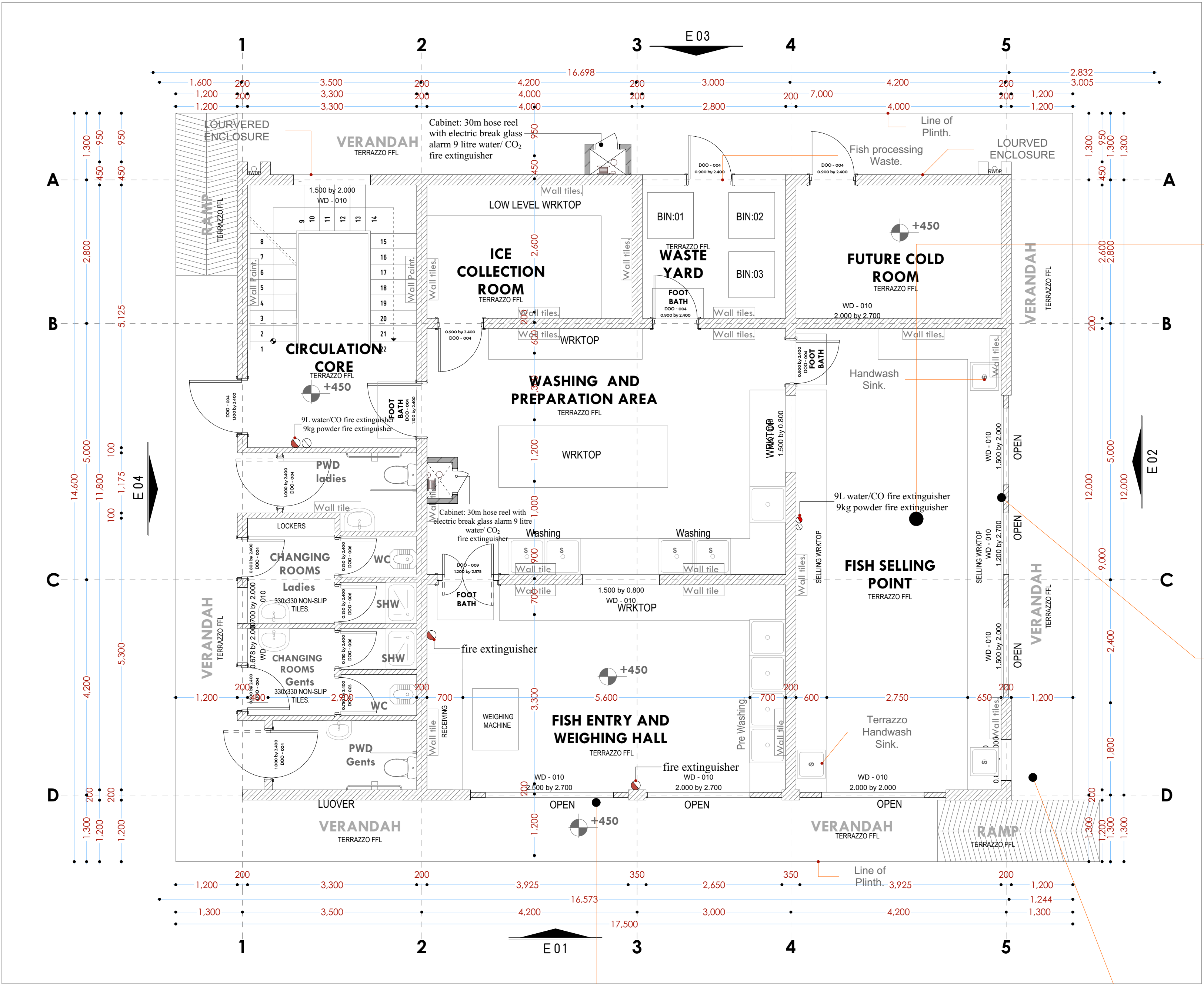
TERRAZZO SINK AND WORKTOP.



600X300 WALL TILES.

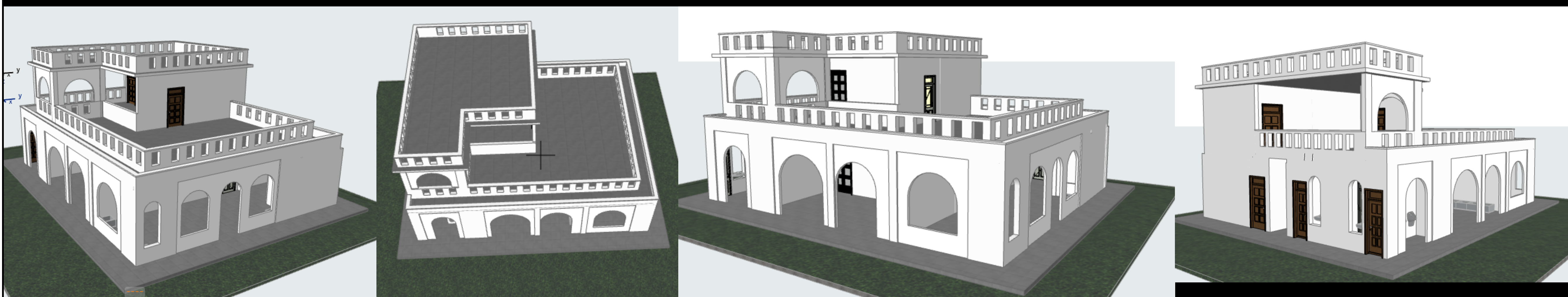
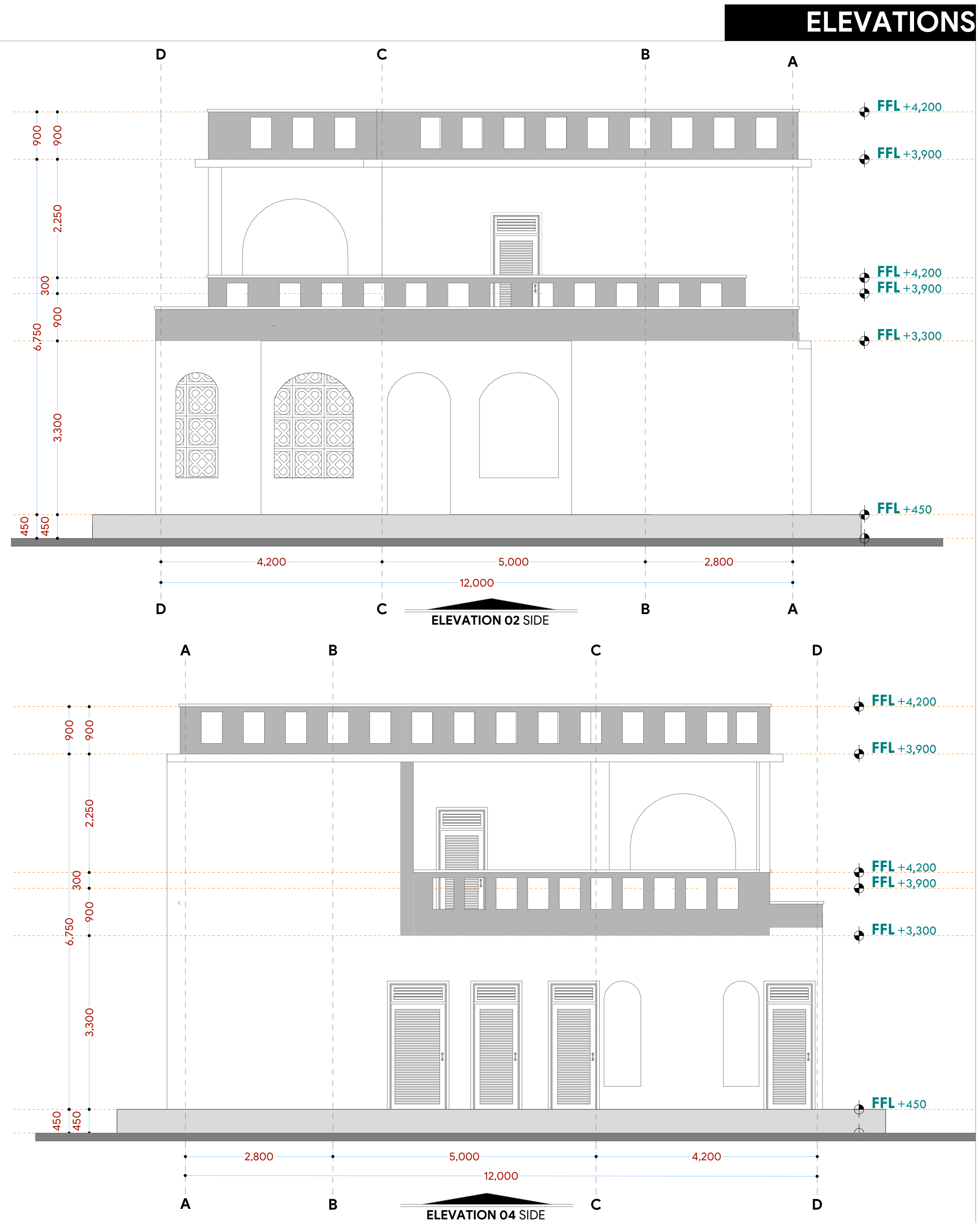
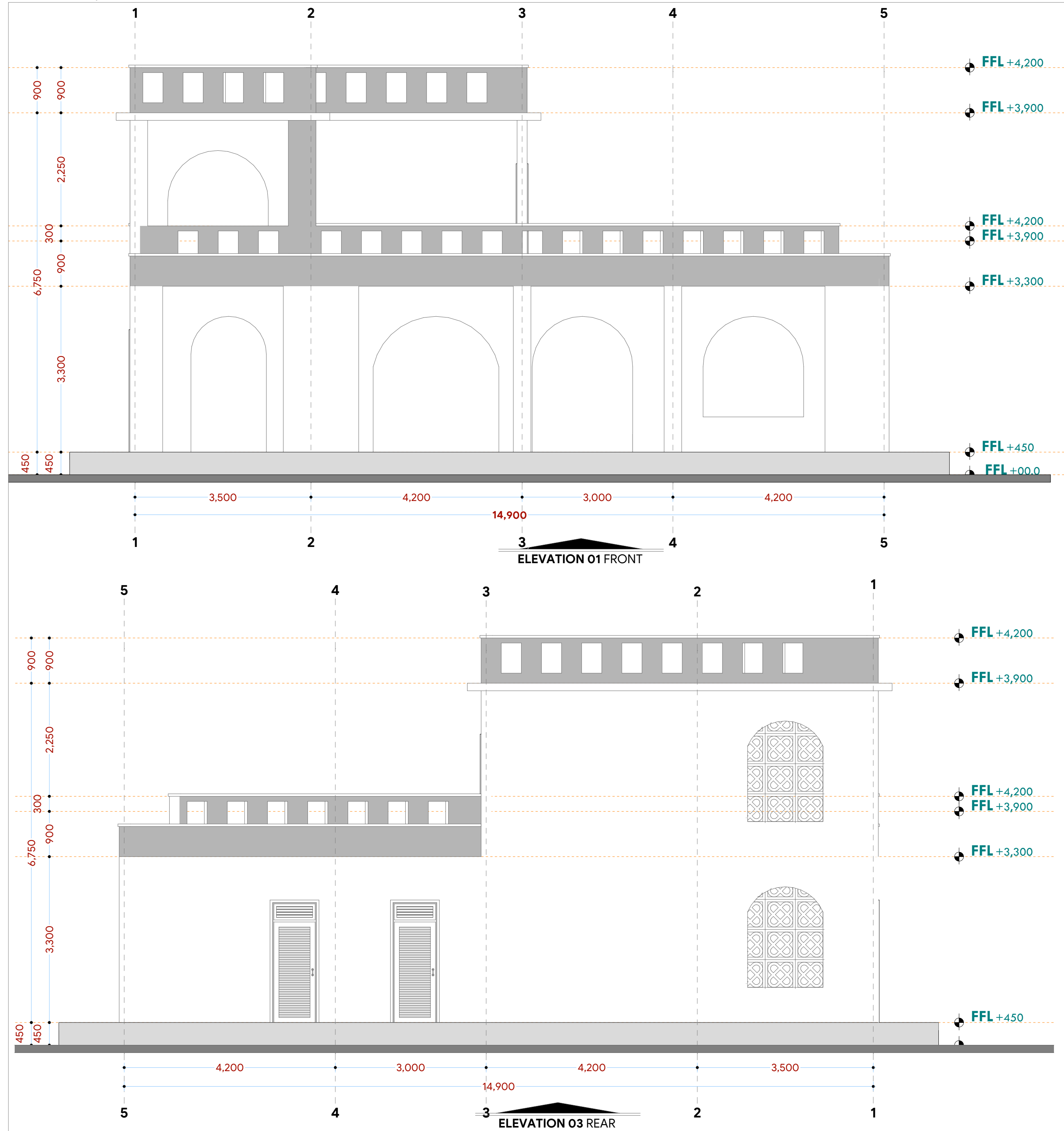


DIGITAL 300KG WEIGHING MACHINE.





12.E **MODERN FISH BANDA**  
BUILDING  
M W A E P E



NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
  2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
  3. All dimensions should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
- CONSTRUCTION**
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground
  5. All slab to grade to be poured on 1000gaugge polythene 50mm stone dust blinding on compacted hardcore.
  6. All walls under slab and around external foundation to be treated for termite control.
  7. Window cills must be finished before internal plastering

CIVIL  
S. All...

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.
- STRUCTURAL**
9. All RC works to Structural Engineer's details.
  10. Depth of foundation to be determined on site to SE approval.
  11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
13. Service ducts to be installed in accordance with all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground drainage to be 110mm diameter. Pipes shall be UPVC and comply to BS5 4514 and S2525. Cast iron pipes to comply to BS8 497 table 6 grade C except ones in the driveway which shall comply to BS8 497 table 6 grade A.
18. All inspection chamber covers and frames shall be cast iron to comply to BS8 497 table 6 grade C except storm water drain shall comply to BS8 556.
19. Minimum slopes to drain shall be 1%.
20. No chasing will be allowed in the slabs for pipes.
21. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
22. All testing of pipes must be completed before plastering.
23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

FIRE  
36

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

EDDY K.N.

Arch. (Ho

eg. No. A2

---

Date: NOV 2

---

Checked by : -

F. TUNDULI

B. Arch. (H

, M. Arch.  
(see No. A)

(reg. No. A

Drawing 1

---

Checked by : -

J. MOMANY

B. Arch. (Hons)  
M. Arch.

(req. No. A)

Reg. No. 11

01 - E027

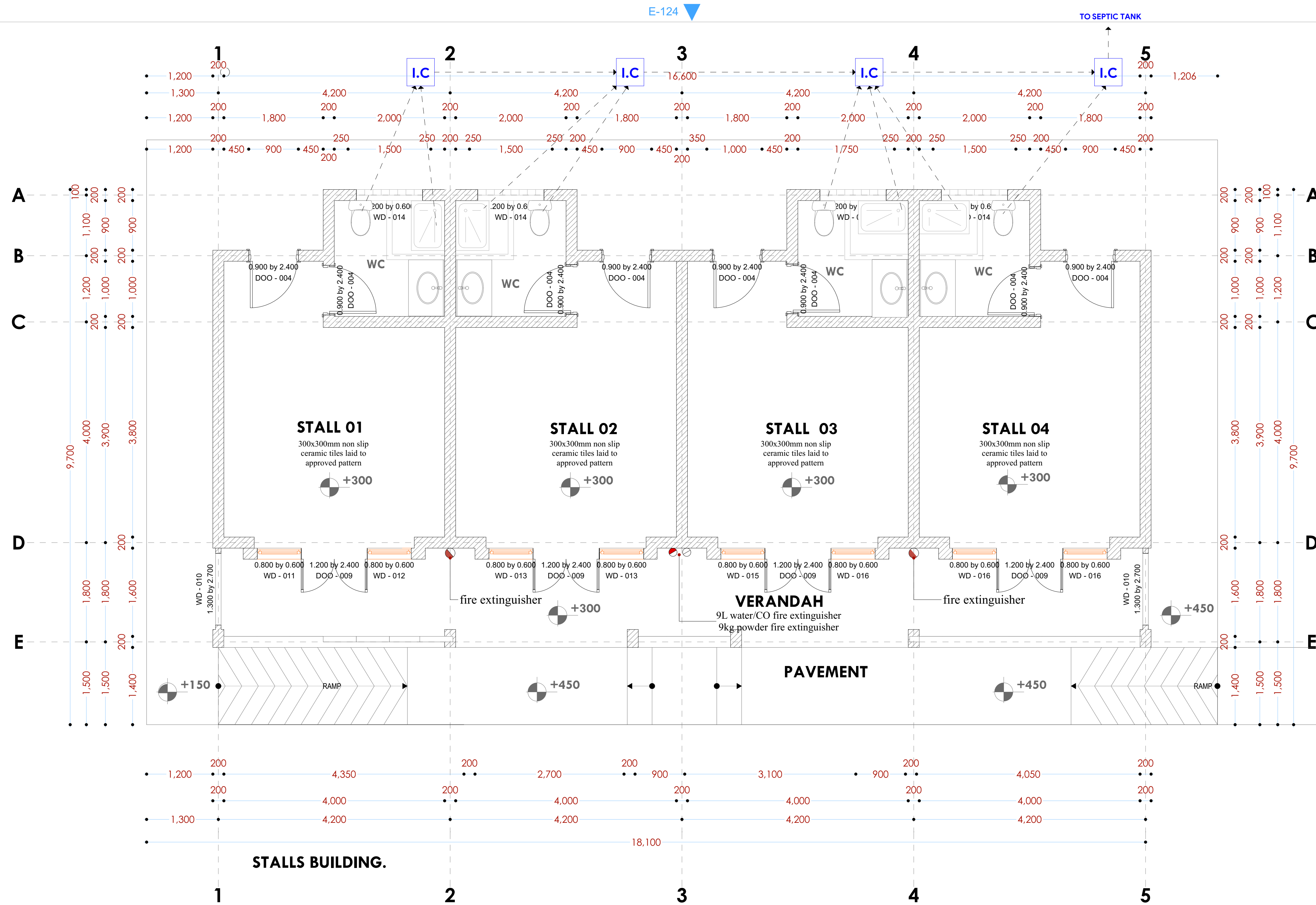
---







## GROUND FLOOR



NOTES:

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000 gauge polythene on 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

### MECHANICAL

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
  13. All service ducts to be installed on all floors.
  14. Deep seal or anti-vac to all fittings connected to the SVPs or service pipes. All bends and junctions to be cast in concrete slabs.
  15. SVP to be provided at the head of the drainage.
  16. Drain pipes passing between buildings and driveways to be encased in 150mm concrete surround.
  17. All underground foul and waste drain pipes shall be UPVC and comply to BS5 4514 and 5255, cast iron to comply to BS5 497 class G grade C except ones in the driveway which shall comply to BS5 550.
  18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 class G grade C except in 19. Storm water drain shall comply to BS5 556.
  20. Minimum slopes to drains shall be 1%.
  21. No chasing will be allowed in the slabs for pipes. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
  22. All testing of pipes must be completed before plastering.
  23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.
- ELECTRICAL**
24. All conduits must be laid before plastering.
  25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.
- FIRE**
26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
  27. Provide underground water tank with automatic electric booster pump for ring main
  28. Provide automatic push button fire alarm system
  29. Provide heat and smoke detectors on each room
  30. Provide 3kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject :

### WORKING DRAWINGS.

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

EDDY K.N.

Arch. (H)

Reg. No. A2

---

Date: NOV 2

---

Scale N.T.3

---

Checked by : -
----------------

F. TUNDULI

B. Arch. (Hons)

) , M. Arch.  
(reg. No. A 1552)

(reg. No. A1552)

Drawing No.

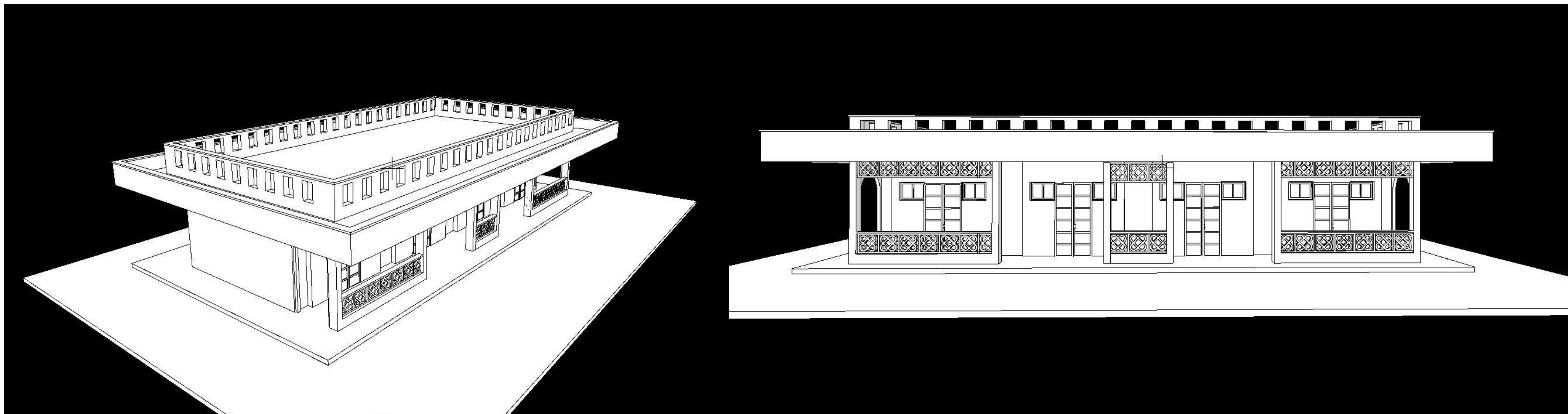
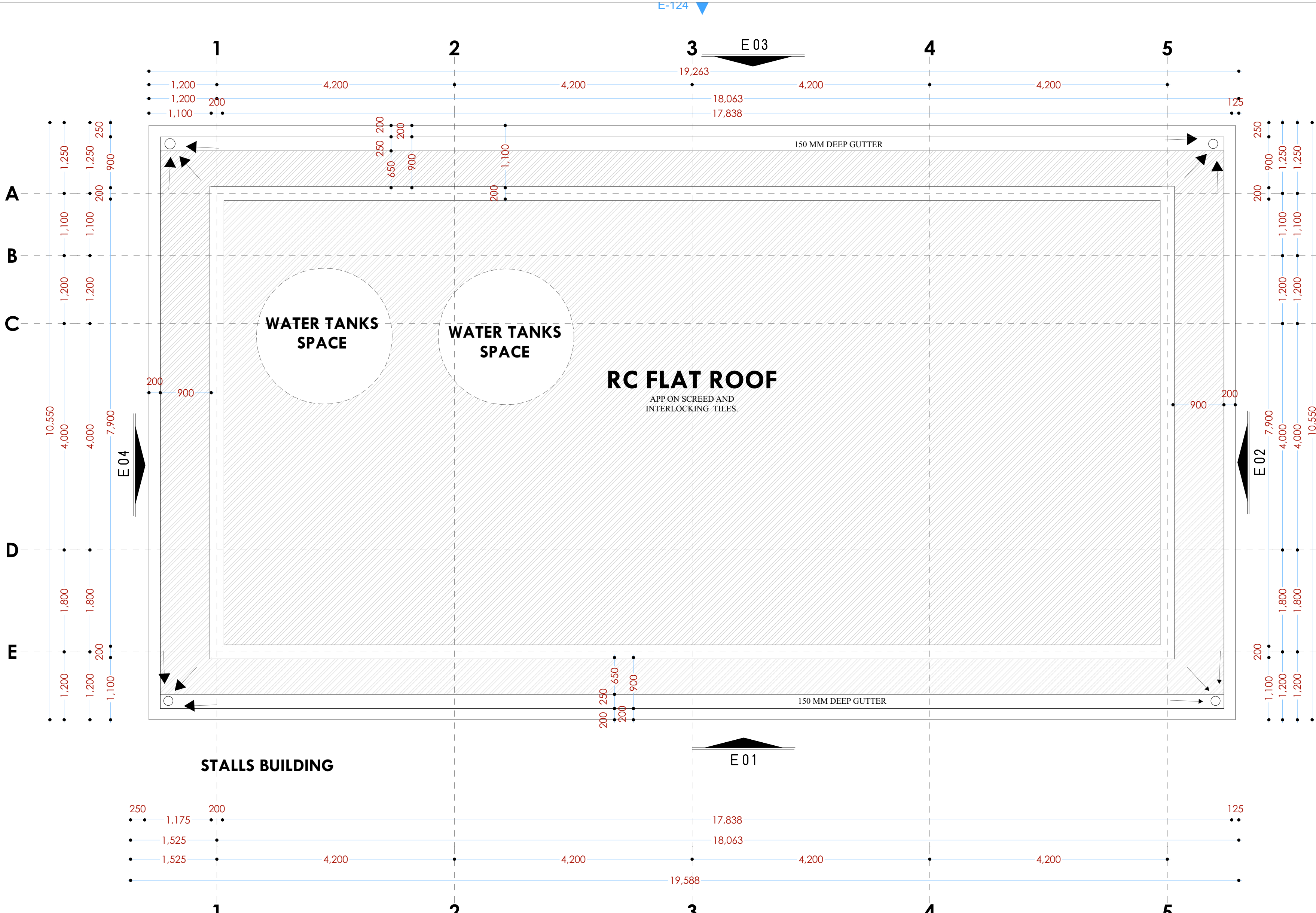
--	--

100

---



## ROOF PLAN



## NOTES:

## GENERAL

1. All measurements are shown in millimetres. Measurements should not be scaled off the drawings.
  2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
  3. All dimensions should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
- CONSTRUCTION**
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
  5. All slabs to be poured on 100kgpa polyethene 50mm stone dust blinding on compacted hardcore.
  6. All soils under slab and around external foundation to be treated for termite control.
  7. Window cills must be finished before internal plastering.

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.
- STRUCTURAL**
9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MEC

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have a minimum of 100mm radius.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete.
17. All underground drainage pipes and manholes shall be UPVC and comply to BS5145:4 and S2255, cast iron to comply to BS8547 table 6 grade C except ones in the roof space which shall comply to BS5955.
18. All inspection chamber covers and frames shall be cast iron to comply to BS8547 table 6 grade C except.
19. Storm water drain shall comply to BS5556.
20. Minimum 100mm fall to be maintained.
21. No chasing will be allowed in the slabs for pipes. Sleeves will be allowed in the slabs with the written approval of the structural engineer.
22. All testing of pipes must be completed before plastering.
23. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELEC

24. All conduits must be laid before plastering.
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.
- FIRE**
26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

- ## REVISIONS

## REVISIONS

[illegible]

Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

**Client :**

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

**Subject :**

## WORKING DRAWINGS.

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website : [www.arprimconsultants.com](http://www.arprimconsultants.com)

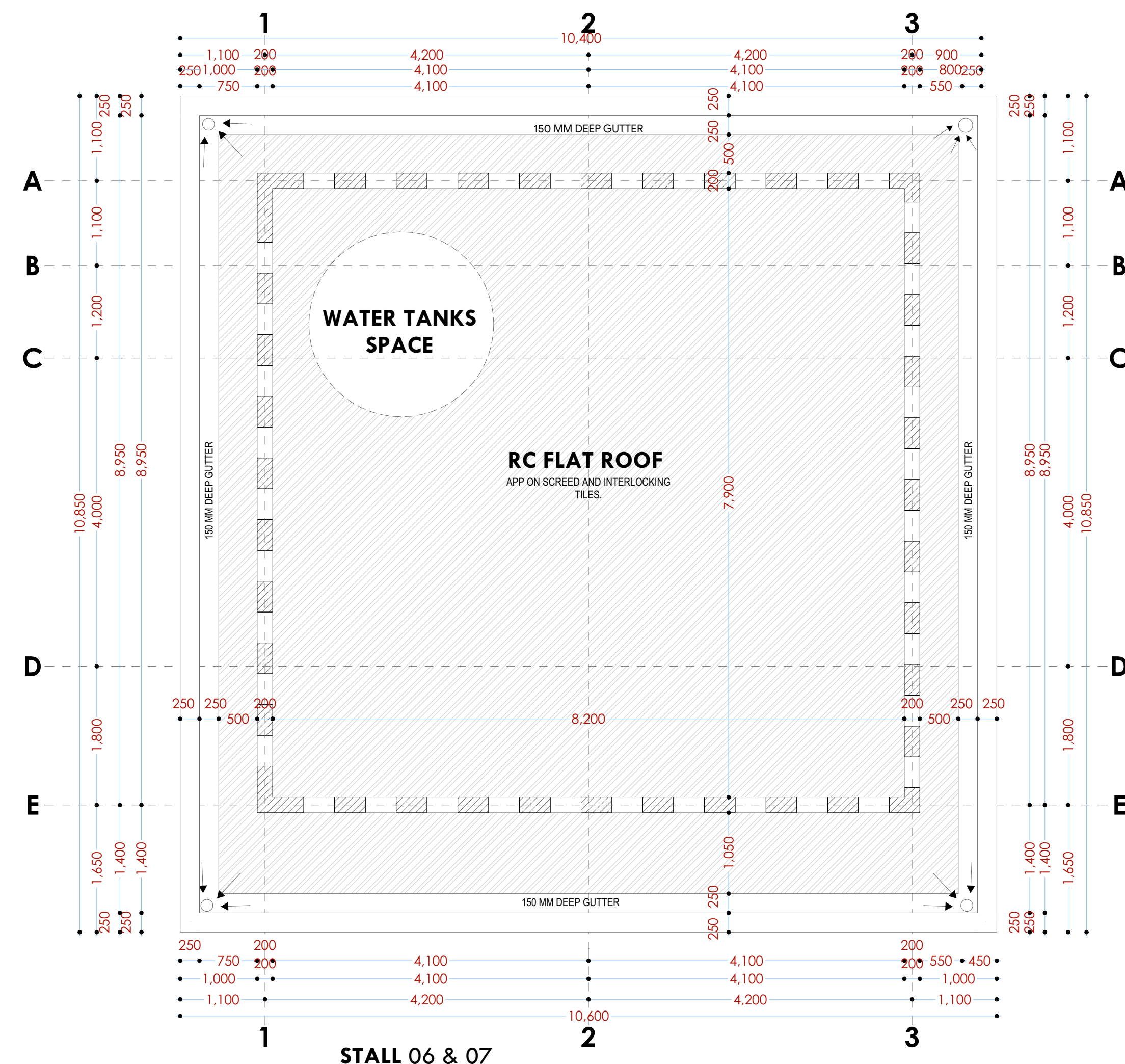
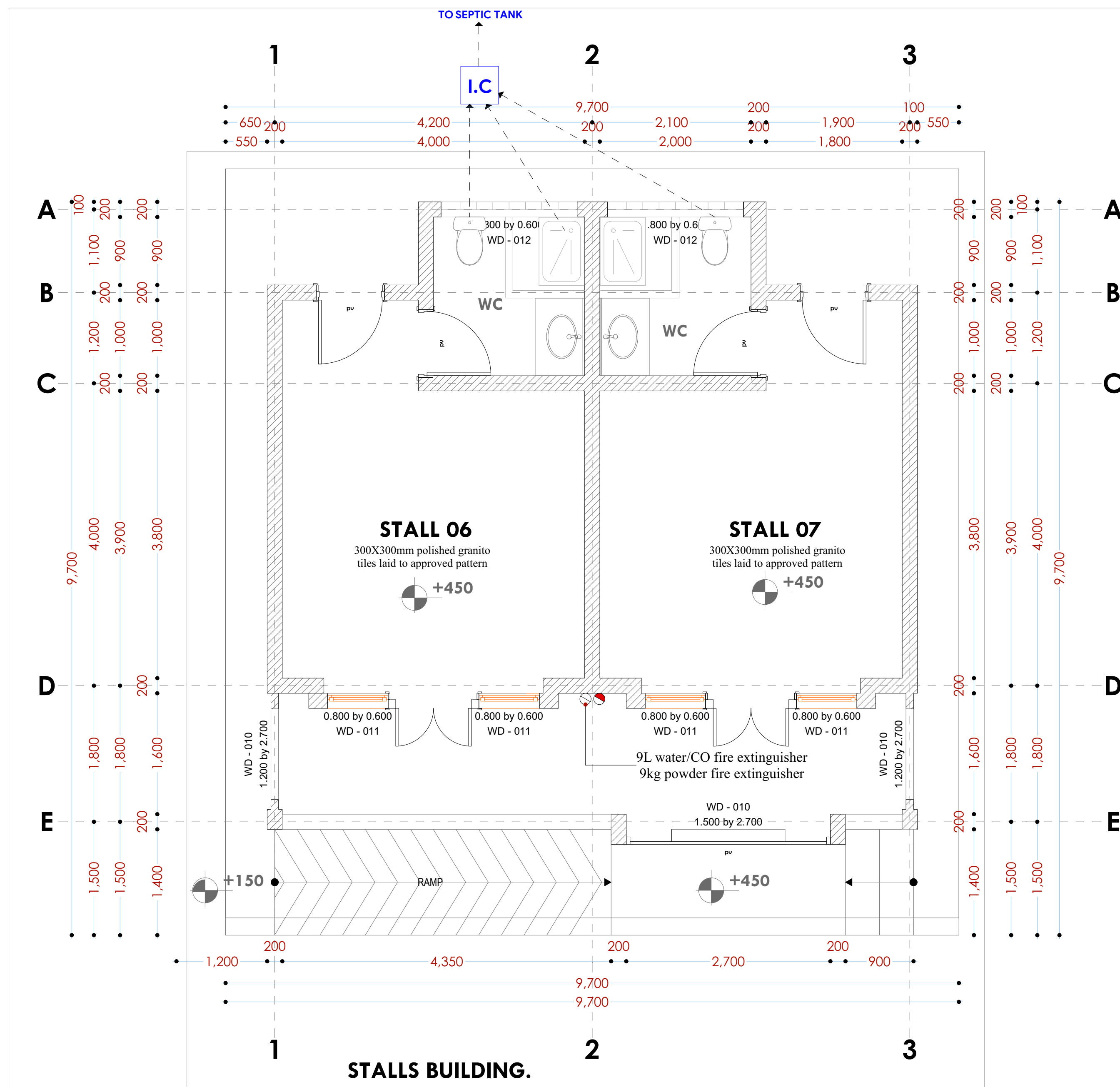
Drawn by: <b>EDDY K.N.</b> B. Arch. (Hons), (reg. No. A2067)	Checked by: - <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No. A1552)	Checked by: - <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No. A1122)
---	---	---

Date: NOV 2023 Drawing No. 12-001-F030

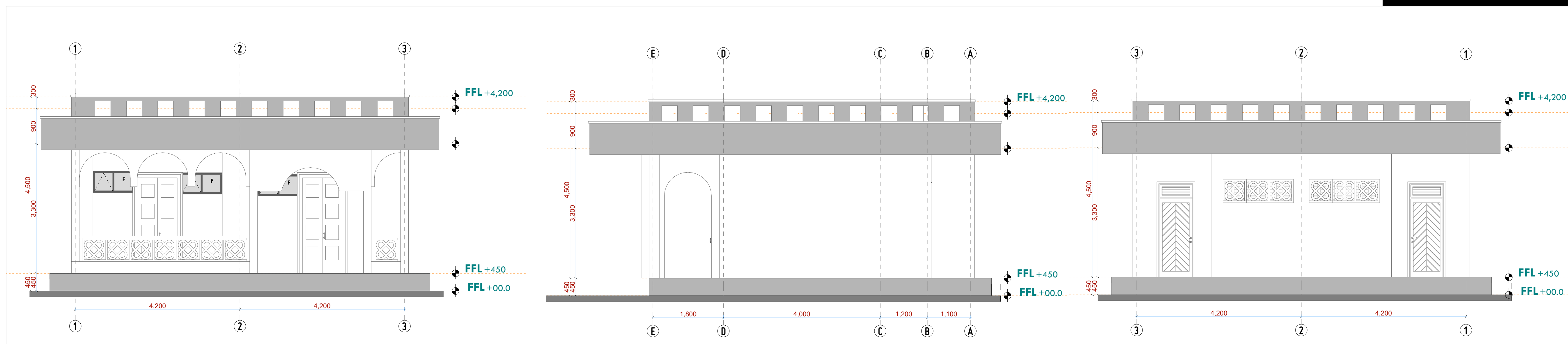
Scale N.T.S.



## FLOOR PLANS



## ELEVATIONS



## NOTES

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be to scaled off the drawing.
  2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
  3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
- CONSTRUCTION**
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
  5. All slab at grade to be prepared on 100mm gauge polythene on 50mm stone dust blinding on compacted hardcore.
  6. All slabs under slab and around external foundation to be treated for termite control.
  7. Window sills must be finished before internal plastering

## CML

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.
- STRUCTURAL**
9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the prevailing approved local authority's specifications.
13. All service ducts to be installed in accordance with BS 5268 from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
15. UPVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All underground drainage pipes to be cast in concrete pipes shall be UPVC and comply to BS 5545 and 5255, cast iron pipes shall comply to BS5 497 table 6 grade C except ones in the driveway which shall comply to BS 555.
18. All inspection chambers, covers and frames shall be cast iron to comply to BS 5547 table 6 grade C except
19. Storm water drain shall comply to BS 556.
20. Minimum slope to be 1 in 100.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.
- FIRE**
26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:	
---------	--

STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :	
---------------	--

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by:

**TEDDY K.M**

B. Arch. (1999) 11, 115-121

--	--

[illegible]ons),  
0043)

Checked

F. TUND

B. Arch

by :-

**MULTI**

. (Hons  
ob

--	--

1

)

Checked

J. MON

M. Arc

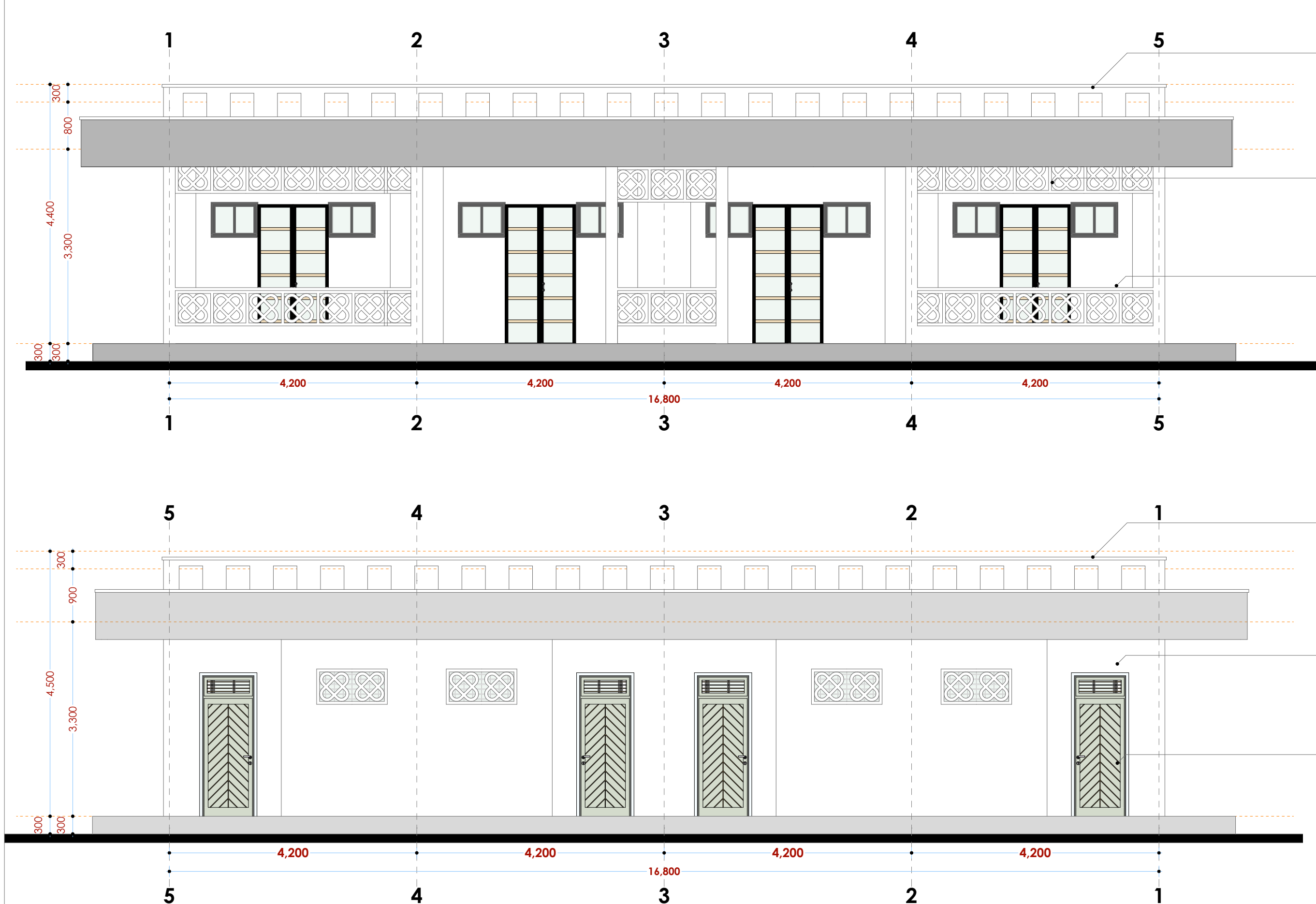
Date: NOV

2023	Drawing No. <b>12-001-F031</b>
------	--------------------------------

Scale N.T.S.



## ELEVATIONS



**COPING**  
50X250MM CONCRETE COPING ON  
200MMX1200MM  
HIGH MASONRY UPSTAND

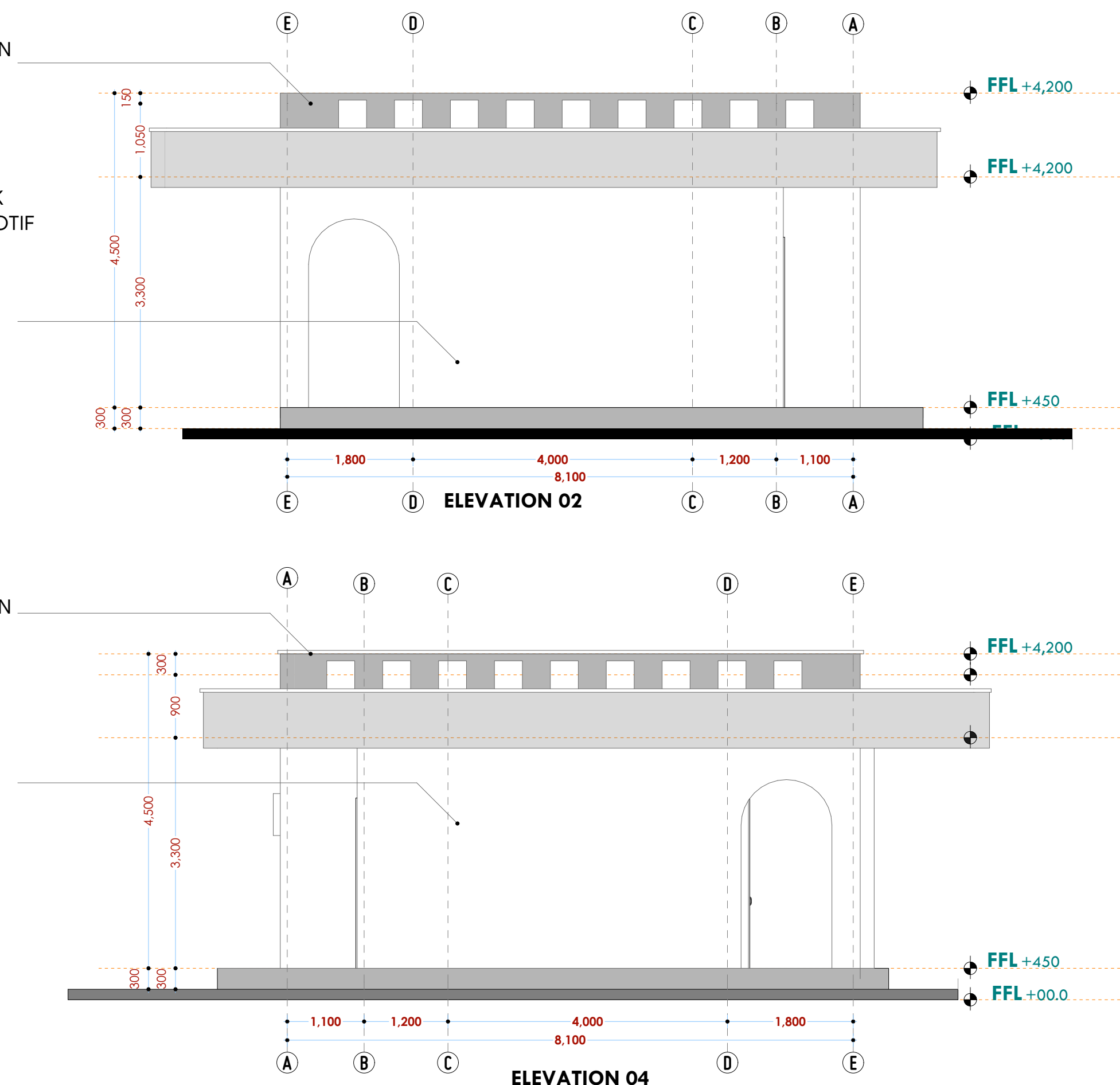
**VENT**  
150MMX600MMX600MM THICK  
CONCRETE VENT WITH SWAHILI MOTIF  
PATTERN

**WALLING**  
200MM THICK MASONRY  
WALL PLATERED AND PAINTED ON  
THE INSIDE AND OUTSIDE

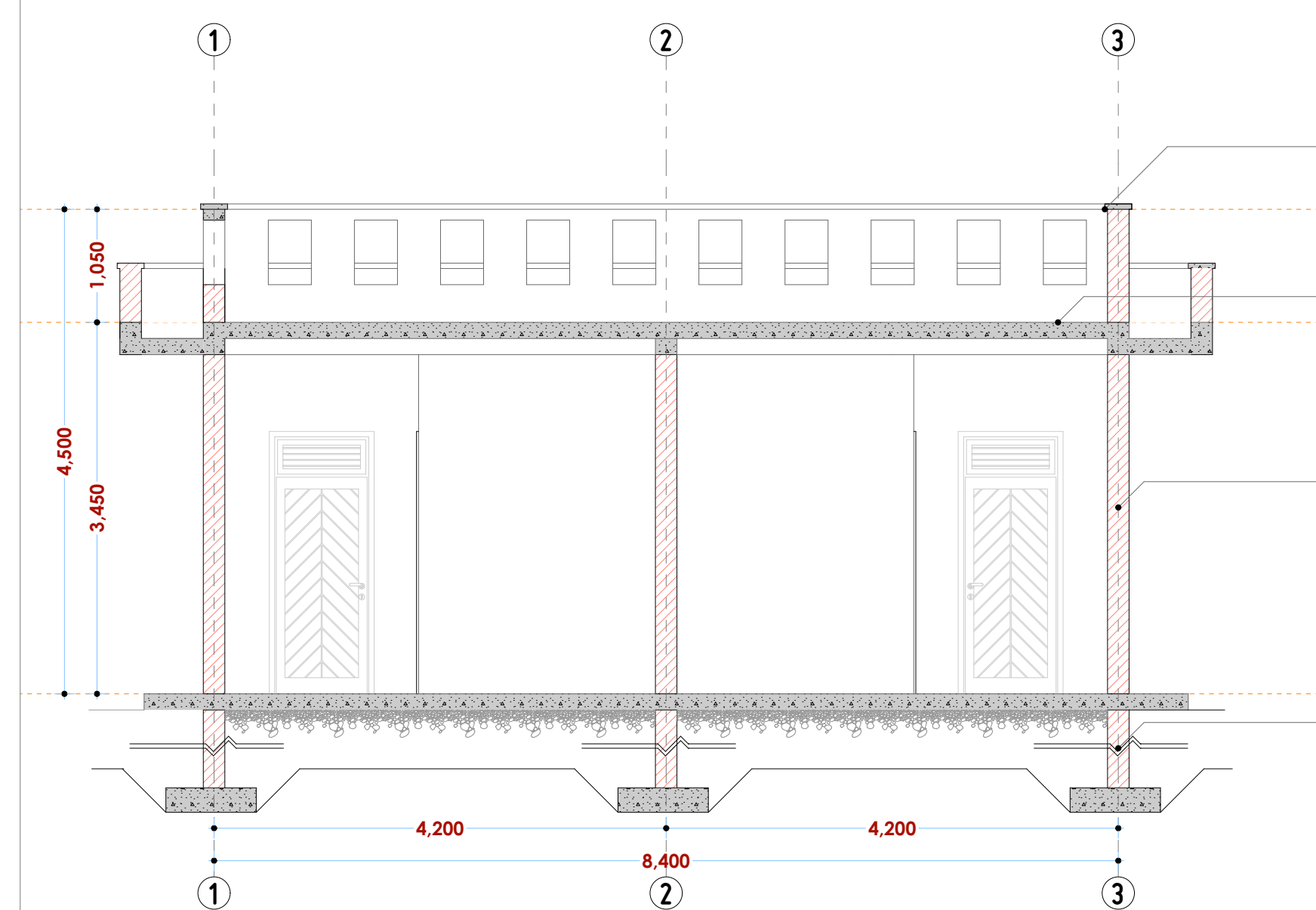
**COPING**  
50X250MM CONCRETE COPING ON  
200MMX1200MM  
HIGH MASONRY UPSTAND

**WALLING**  
200MM THICK MASONRY  
WALL PLATERED AND PAINTED ON  
THE INSIDE AND OUTSIDE

**DOOR**  
DOOR TO SCHEDULE



## SECTION 01

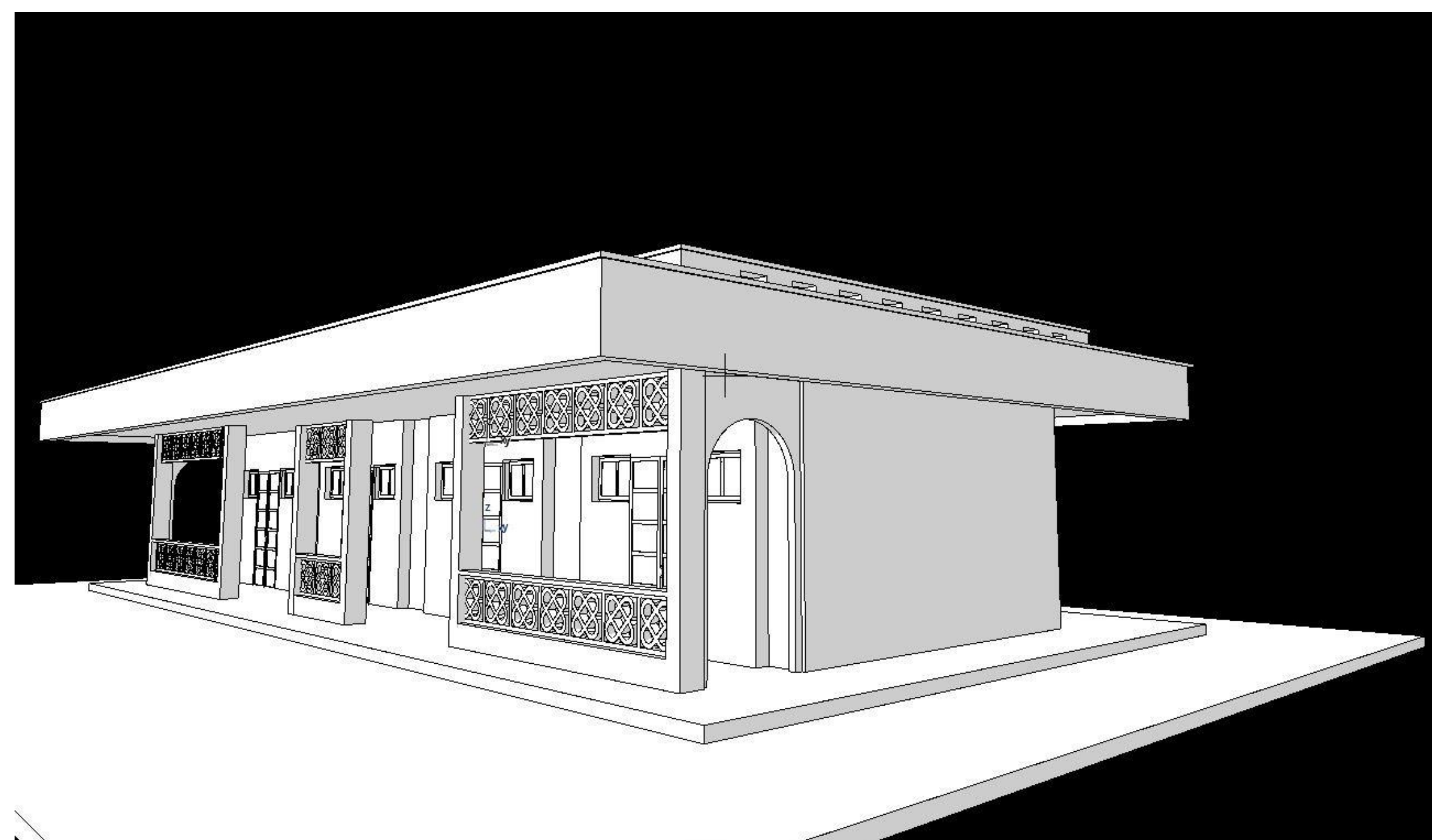


**COPING**  
50X250MM CONCRETE COPING ON  
200MMX1200MM  
HIGH MASONRY UPSTAND

**FLAT ROOF**  
CLAY TILES ON SCREED L.T.F ON  
BITUMINOUS WATERPROOF MEMBRANE  
ON RC SLAB TO S.E SPECIFICATIONS

**WALLING**  
200MM THICK MASONRY  
WALL PLATERED AND PAINTED ON  
THE INSIDE AND OUTSIDE

**FOUNDATION**  
RC STRIP FOUNDATION TO S.E  
DETAILS



## NOTES

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
  2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
  3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
- CONSTRUCTION**
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
  5. All slabs at grade to be poured on 100kgauge polytheneon 50mm stone dust blinding on compacted hardcore.
  6. All soils under slab and around external foundation to be treated for termite control.
  7. Window cills must be finished before internal plastering

## STRUCTURAL

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

16. All drains and drainage to comply with the relevant approving local authority's specifications.
17. All service ducts to be accessible from all floors.
18. See also drawings for all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
19. SVPs to be positioned at the head of the drainage.
20. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
21. All underground foul and waste drain pipes shall be encased in concrete and comply with BS5 556.
22. All underground foul and waste drain pipes shall be cast in place to BS5 497 table 6 grade C except ones in the driveway which comply to BS5 556.
23. Minimum depth of concrete encasement shall be cast in place to BS5 497 table 6 grade C except:
24. Storm water drains shall comply to BS5 556.
25. Minimum slope of drains shall be 1 in 100.
26. No chasing will be allowed in the slabs for pipes. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
27. All testing of pipes must be completed before plastering.
28. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

## FIRE

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :	
-----------	--

## PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client:	
---------	--

STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY

Signature .....

Subject :

**WORKING DRAWINGS.**

Consultancy :
---------------

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by: <b>TEDDY K.N.</b> B. Arch. (Hons) (reg. No. A2067)	Checked by : - <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by : - <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122)
---	---	---

Date: NOV 2023	Drawing No. 12-001-F032
----------------	-------------------------

Scale N.T.S.



WINDOW & DOOR SCHEDULE			
(Door type : D <sub>001</sub> )	(Door type : D <sub>002</sub> )	(Door type : D <sub>003</sub> )	(Window type W <sub>001</sub> )
1200X2400MM ALUMINIUM FRAMED DOUBLE LEAF DOOR IRON MONGERY TO BoQ DETAILS	2400X900MM HW MVULE SINGLE LEAF DOOR WITH LOUVRED FANLIGHT IRON MONGERY TO BoQ DETAILS	2100X900MM HW SINGLE LEAF PANEL DOOR IRON MONGERY TO BoQ DETAILS	1000X600MM powder coated aluminium framed top hung windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.
MAIN ENTRANCE DOOR	REAR ENTRANCE	BATHROOM	STALL ENTRANCE & WASHROOM
6 N O .	6 N O .	6 N O .	18 N O .

## WINDOW & DOOR SCHEDULE

## NOTES:

## GENERAL

7. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
8. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
9. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the design team and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
5. All soils under slab and around external foundation to be created for termite control.
7. Window cills must be finished before internal plastering

## CML

3. All soils on cut embankment to be stabilized. The slope not to exceed the natural angle of repose of the soil.

## STRUCTURAL

10. Depth of foundation to be determined on site to SE approval.

## MECHANICAL

2. All plumbing and drainage to comply with the relevant provisions of local authority's specifications.
3. All service ducts to be accessible from all floors.
4. Deep seal or anti-vac to all fittings connected to the drains or waste pipes. All bends and junctions to have cleanouts.
5. SVP to be provided at the head of the drainage.
6. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
7. Cast iron soil stacks and downpipes shall be cast iron to BS EN 897 part 6 except in cases where approved PVC and composites to BS5141 and 5225. Cast iron to BS EN 897 part 6 grade C except in cases where approved PVC and composites to BS5141 and 5225 are used.
8. All inspection chamber covers and frames shall be cast iron to comply to BS EN 897 table G except in cases where approved PVC and composites to BS5141 and 5225 are used.
9. Storm water drain pipe comply to BSSE 556.
10. Minimum size of stormwater drain 150mm.
11. No chasing will be allowed in the slabs for pipes.
12. Wherever it is impracticable to avoid chasing, chase grooves will be allowed in the slabs with the written approval of the Structural Engineer.
13. All listing of pipes must be completed before plastering.
14. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

# FIRE

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
30. provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

Project :

PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT

Plot L. R. No.:

Location : **MWAEPE KWALE**  
**COUNTY**

**Client :**

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

subject

## WORKING DRAWINGS.

## Consultancy

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website : [www.arprimconsultants.com](http://www.arprimconsultants.com)

own by:	Checked by :-	Checked by :-
<b>DDY K.N.</b>	<b>F. TUNDULI</b>	<b>J. MOMANYI</b>
Arch. (Hons),	B. Arch. (Hons)	B. Arch. (Hons)
g. No. A2067)	, M. Arch.	, M. Arch.
	(reg. No.A1552)	(reg. No.A1122)

te: NOV 2023 | Drawing No. 12-001-F033

Scale N.T.S.

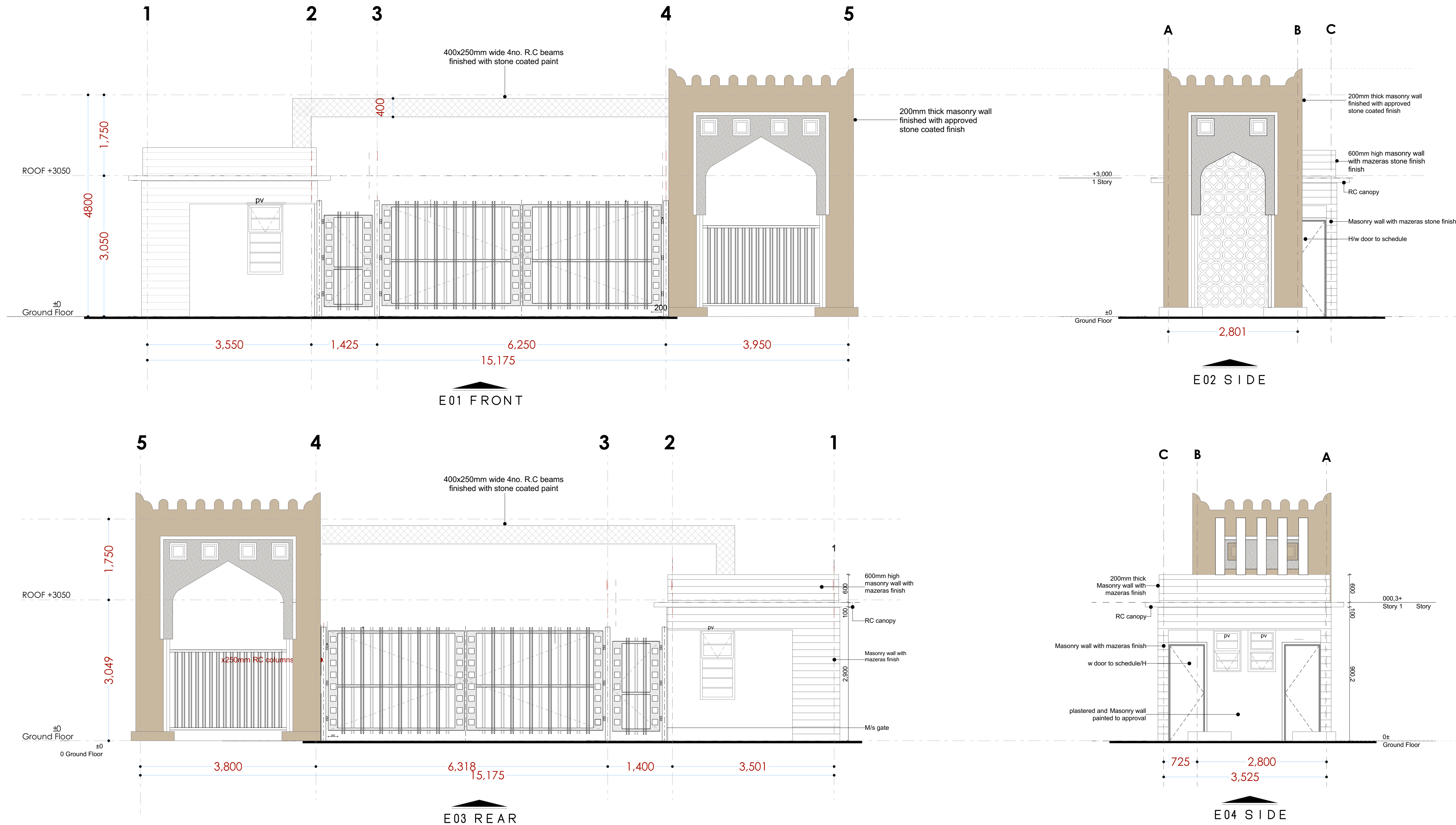




scale N.T.S



# ELEVATIONS



## GENERAL

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all discrepancies must be notified immediately to the design and clarified by consulting the respective consultants' drawings.

## CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
5. All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
6. All soils under slab and around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

## CIVIL

8. All soils on cut embankment to be stabilized. The slope not to exceed the natural angle of repose of the soil.

STRUCTURAL  
EQUATIONS

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE approval.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the relevant approved local authority's specifications.
13. All drainage to be installed in the ground on all floors.
14. Deep seal or anti-vac to all fittings connected to the SVPs or service pipes. All bends and junctions to have a minimum 100mm radius.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. All drainage pipes to be installed in 100mm pipes shall be UPVC and comply to BS5 4514 and S2525. cast iron to comply to BS85 497 table g grade C except ones in the cast iron zone.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table g grade C except.
19. Storm water drain shall comply to BS5 555.
20. Minimum slopes to drain shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. All testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors  
27. Provide underground water tank with automatic electric booster pump for ring main  
28. provide automatic push button fire alarm system  
29. provide heat and smoke detectors in each room  
provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

[illegible]

### Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client :

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

Subject :

## WORKING DRAWINGS.

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website : [www.arprimconsultants.co](http://www.arprimconsultants.co)

Drawn by: <b>EDDY K.N.</b> B. Arch. (Hons), (reg. No. A2067)	Checked by :- <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122)
---	--	--

Date: NOV 2023 Drawing No. 12-001- G035

Scale N.T.5



## WINDOW & DOOR SCHEDULE

**GENERAL**

1. All measurements are shown in millimeters. Measurements should not to be scaled off the drawing.
2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
3. All sections should be read as per the floor plan and all dimensions should be notified immediately to the designer and clarified by consulting the respective consultants' drawings.

**CONSTRUCTION**

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 1500mm above ground level.
5. All slab at grade to be poured on 100mm above compacted polythene 50mm stone dust and bunding on compacted level ground.
6. All soils under slab around external foundation to be treated for termite control.
7. Window cills must be finished before internal plastering

**CIVIL**

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

**STRUCTURAL**

9. All RC works to Structural Engineer's details.
10. Depth of foundation to be determined on site to SE of foundation.
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

**MECHANICAL**

12. Plumbing and drainage to comply with the relevant approving local authority's specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac not to fittings connected to the SVPs or waste pipes. All bends and junctions to be insulate in plaster.
15. SVP to be provided at the head of the drainage.
16. Drain pipes passing between buildings and driveways to be enclosed in 150mm concrete surround.
17. All underground foul and waste drain pipes shall be in UPVC and comply to BS5545 & BS555. cast iron to be used for BS 497 table 6 grade C except ones in the driveway which shall comply to BS 525.
18. Storm water drain chamber covers and frames shall be cast in concrete to BS 497 table 6 grade C except
19. Storm water drain chamber covers to BS 556.
20. Minimum slopes to drains shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
22. All chasing in the slabs with the written approval of the Structural Engineer.
23. The testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

**ELECTRICAL**

25. All conduits must be laid before plastering.
26. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

**FIRE**

26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adapters
27. Provide underground water tank with automatic electric booster pump for ring main
28. Provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
30. Provide 4kg dry powder fire extinguishers to ME specifications

[illegible]

Project : **PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

Client :  
**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

---

Subject :

**WORKING DRAWINGS.**

Consultancy :  
ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

Drawn by: <b>EDDY K.N.</b> Arch. (Hons), (reg. No. A2067)	Checked by :- <b>F. TUNDULI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) , M. Arch. (reg. No.A1122)
--	--	--

Date: NOV 2023 | Drawing No. 12-001- G036

Scale N.T.S.

Architectural section drawing of a Guard House (SECTION 01). The drawing shows a cross-section of the building with a gabled roof and a central door. Key structural elements and dimensions are labeled:

- Dimensions:**
  - Overall width: 3,500
  - Door height: 2,400
  - Door width: 750
  - Roof height: 1,500
  - Roof overhang: 350
- Structural Details:**
  - RC canopy
  - RC beam to S.E details
  - door/schedule
  - mm thick masonry wall plastered and painted to approval
  - RC slab to S.Eng detail
  - RC foundation to S.Eng detail
- Roofing Details:**
  - Prepainted box profile
  - Aluminium roofing sheets to timber Pulins including 12mm diameter x 150mm raw bolts
  - 600mm high masonry wall with grey stone zero joint finish
  - RC gutter to S.Eng details
- Other Labels:**
  - pv (point of view)
  - SECTION 01
  - GUARD HOUSE



M W A E P E

## NOTES

## GENERAL

1. All measurements are shown in millimeters. Measurements should not be scaled off the drawing.
  2. The contractor must check and verify all dimensions before commencing any work. Any discrepancy must be notified to the architect.
  3. All sections should be read as per the floor plan and all dimensions should be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
- CONSTRUCTION**
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
  5. All slab at grade to be poured on 100mm gauge polyethene/50mm stone dust blinding on compacted hardcore.
  6. All soils under slab and around external foundation to be treated for termite control.
  7. Window cills must be finished before internal plastering.

## CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

## STRUCTURAL

9. All RC works to Structural Engineer's details.  
10. Depth of foundation to be determined on site to SE approval.  
11. All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.

## MECHANICAL

12. All plumbing and drainage to comply with the relevant approval local authority's specifications.
13. All services to be installed in the ceiling and all floors.
14. Deep seal or anti-vac not all fittings connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
15. SVP to be installed at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
17. Underground drainage and waste water pipes shall be UPVC and comply to BS5454 and 5255; cast iron to comply to BS5497 table 6 grade C except in the driveway which shall comply to BS5556.
18. Storm water drainage pipes shall be cast iron shall be cast iron to comply to BS5497 table 6 grade C except in the driveway which shall comply to BS5556.
19. Storm water drainage shall comply to BS5556.
20. Minimum 100mm clearance to be maintained.
21. No chasing will be allowed in the slabs for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
23. Testing of pipes must be completed before plastering.
24. All mechanical works must be co-ordinated with the other trades. Any conflicts must be clarified before work begins.

## ELECTRICAL

24. All conduits must be laid before plastering.  
25. All electrical work must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins.

## FIRE

26. Instal water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
27. Provide underground water tank with automatic electric booster pump for ring main
28. provide automatic push button fire alarm system
29. provide heat and smoke detectors in each room
- provide 9kg. dry powder fire extinguishers to ME specifications

## REVISIONS

Project :

**PROPOSED KENYA MARINE  
FISHERIES AND SOCIO-ECONOMIC  
DEVELOPMENT**

Plot L. R. No.:

Location : **MWAEPE KWALE  
COUNTY**

**Client :**

**STATE DEPARTMENT FOR FISHERIES  
AQUACULTURE AND THE BLUE  
ECONOMY**

Signature .....

### Subject

**WORKING DRAWINGS.**

Consultancy :

ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :[www.arprimconsultants.com](http://www.arprimconsultants.com)

drawn by:

EDDY K.N.

B. Arch. (Hons) (reg. No. A2067)	B. Arch. (Hons) , M. Arch. (reg. No. A1552)	B. Arch. (Hons) , M. Arch. (reg. No. A1122)
-------------------------------------	---	---

ate: NOV 202

Drawing No. 12-001- H037

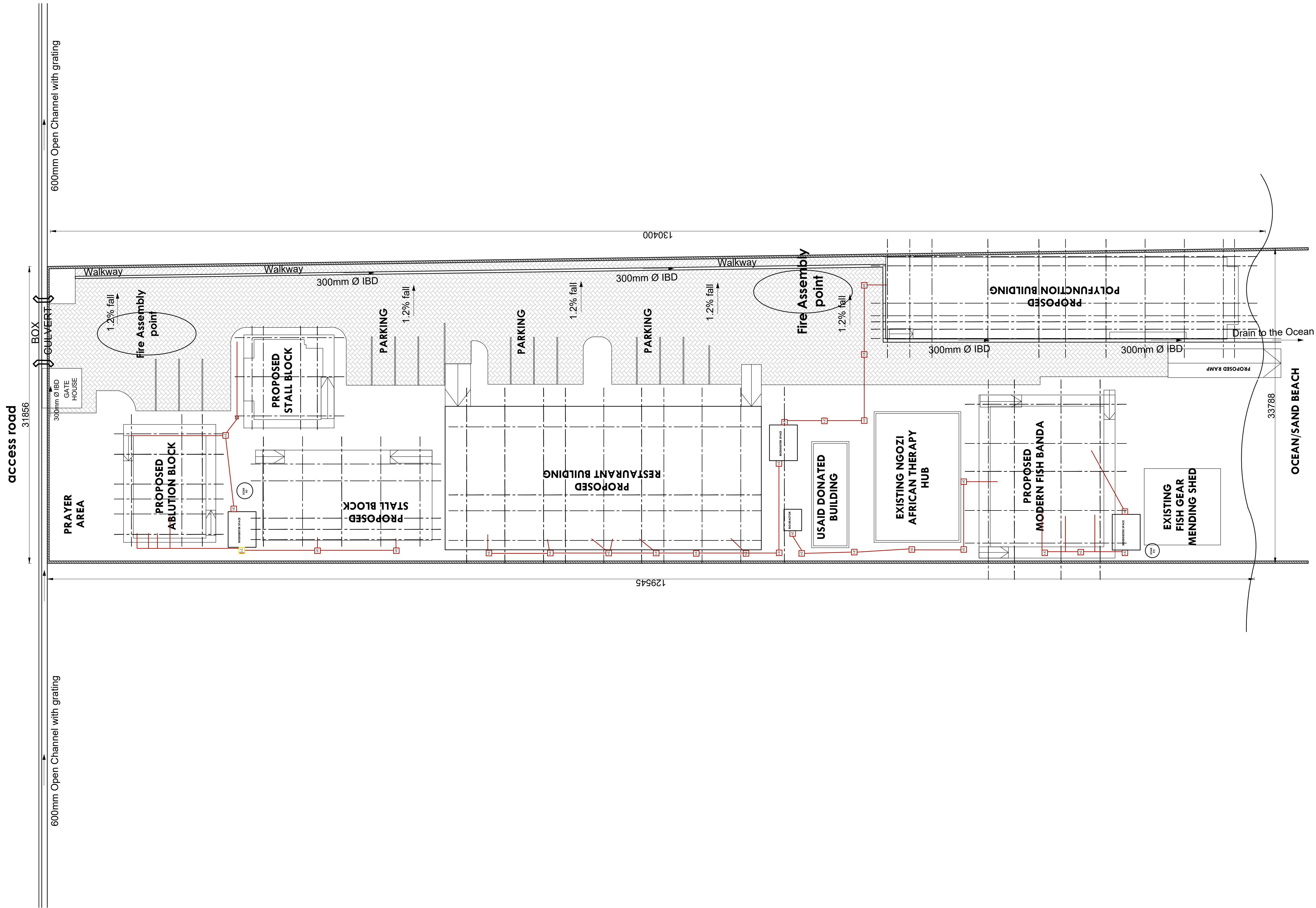
Scale N.T.S.



PROPOSED MWAEPE FISH LANDING SITE, KWALE COUNTY.					
PAGE	DRAWING NUMBER	DRAWING TITLE			
1	12-002-001	DRAWING LIST			
2	12-002-002	SITE PLAN			
3	12-002-003	ABLUTION BLOCK			
4	12-002-004	POLYFUNCTION - FOUNDATION LAYOUT, RAMP & STAIRCASE			
5	12-002-005	POLYFUNCTION BLOCK - LIFT CORE DETAIL			
6	12-002-006	POLYFUNCTION BLOCK - FOUNDATION AND COLUMN DETAIL			
7	12-002-007	POLYFUNCTION BLOCK - FIRST FL LAYOUT & SLAB DETAIL			
8	12-002-008	POLYFUNCTION BLOCK - SECOND FL LAYOUT & SLAB DETAIL			
9	12-002-009	POLYFUNCTION BLOCK - 3RD & 4TH LAYOUT & SLAB DETAIL			
10	12-002-010	POLYFUNCTION BLOCK - TYPICAL BEAM & GUTTER DETAIL			
11	12-002-011	POLYFUNCTION BLOCK - UNDERGROUND TANK DETAIL			
12	12-002-012	RESTAURANT BUILDING - FOUNDATION LAYOUT & DETAIL			
13	12-002-013	RESTAURANT BUILDING - ROOF, GUTTER & BEAM DETAIL			
14	12-002-014	RESTAURANT BUILDING - ROOF SLAB RC & COLUMN DETAIL			
15	12-002-015	MODERN FISH BANDA - FOUNDATION, COLUMN & STAIRCASE			
16	12-002-016	MODERN FISH BANDA - ROOF 01 & ROOF 02 SLAB RC DETAIL			
17	12-002-017	STALLS BUILDING - FOUNDATION, COLUMN & BEAM DETAIL			
18	12-002-018	STALLS BUILDING - ROOF LAYOUT AND SLAB DETAIL			
19	12-002-019	STALLS BUILDING 1 - STRUCTURAL DETAIL			
20	12-002-020	GUARD HOUSE - LAYOUTS, FOUNDATION AND COLUMN			
21	12-002-021	GUARD HOUSE - BEAMS, GUTTER AND TRUSS DETAIL			
22	12-002-022	CIVIL WORKS 1			
23	12-002-023	CIVIL WORKS 2			
24	12-002-024	CIVIL WORKS 3			
25	12-002-025	CIVIL WORKS 4			
26	12-002-026	BOUNDARY WALL DETAIL			

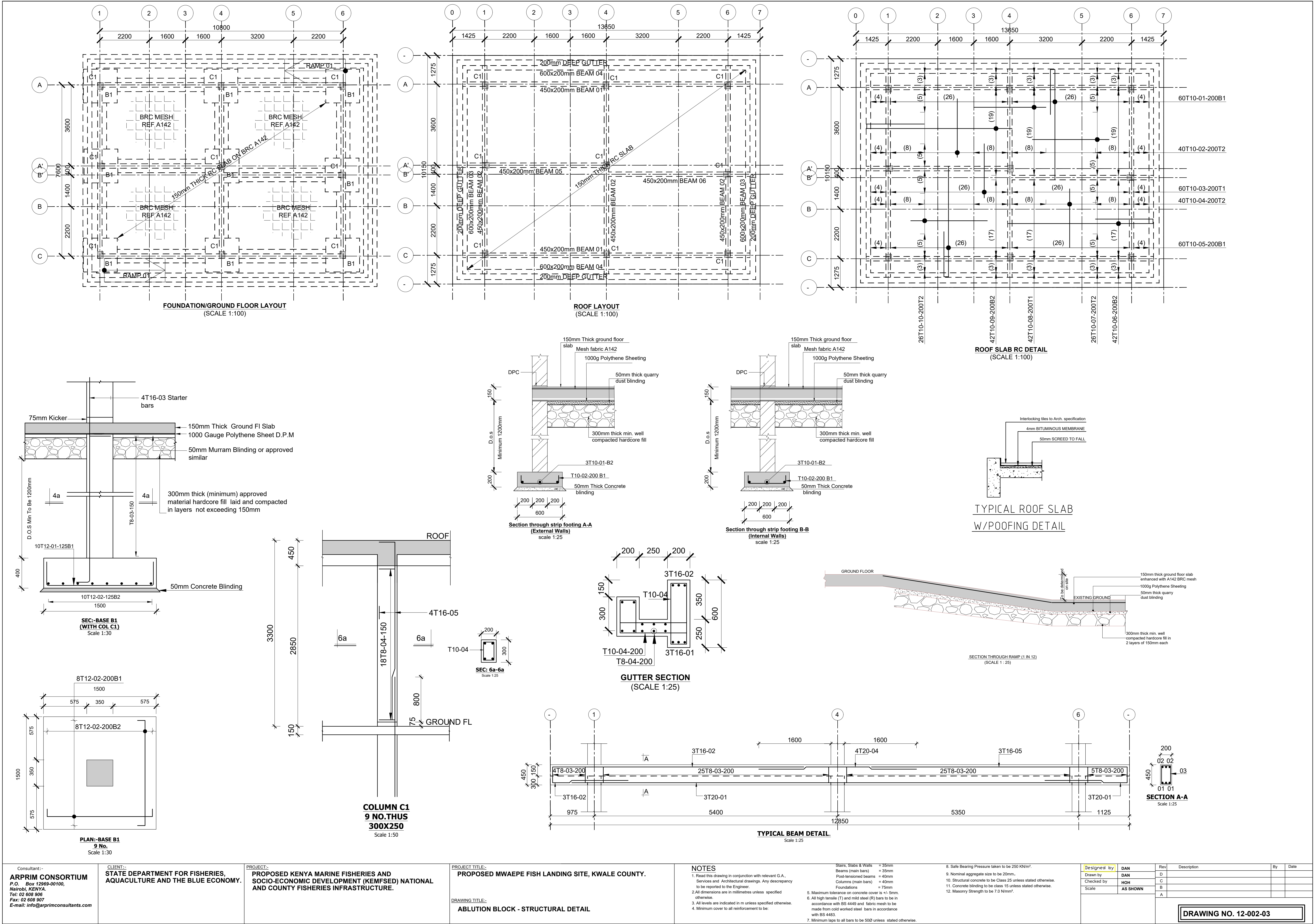
Consultant:- <b>ARPRIM CONSORTIUM</b> P.O. Box 12969-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com	CLIENT:- <b>STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.</b>	PROJECT:- <b>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</b>	PROJECT TITLE:- <b>PROPOSED MWAEPE FISH LANDING SITE, KWALE COUNTY.</b>  DRAWING TITLE:- <b>PROPOSED MWAEPE FISH LANDING SITE - DRAWINGS LIST</b>	NOTES 1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2. All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be:  5. Maximum tolerance on concrete cover is +/- 5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 500 unless stated otherwise.  Stairs, Slabs & Walls Beams (main bars) = 35mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm  8. Safe Bearing Pressure taken to be 250 KN/m². 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Concrete blinding to be Class 15 unless stated otherwise. 12. Masonry Strength to be 7.0 N/mm².	<table><tr><td>Designed by</td><td>DAN</td><td>Rev</td><td>Description</td><td>By</td><td>Date</td></tr><tr><td>Drawn by</td><td>DAN</td><td></td><td>D</td><td></td><td></td></tr><tr><td>Checked by</td><td>HOH</td><td></td><td>C</td><td></td><td></td></tr><tr><td>Scale</td><td>AS SHOWN</td><td></td><td>B</td><td></td><td></td></tr><tr><td colspan="2"></td><td></td><td>A</td><td></td><td></td></tr></table> <div>DRAWING NO. 12-002-01</div>	Designed by	DAN	Rev	Description	By	Date	Drawn by	DAN		D			Checked by	HOH		C			Scale	AS SHOWN		B						A		
Designed by	DAN	Rev	Description	By	Date																														
Drawn by	DAN		D																																
Checked by	HOH		C																																
Scale	AS SHOWN		B																																
			A																																



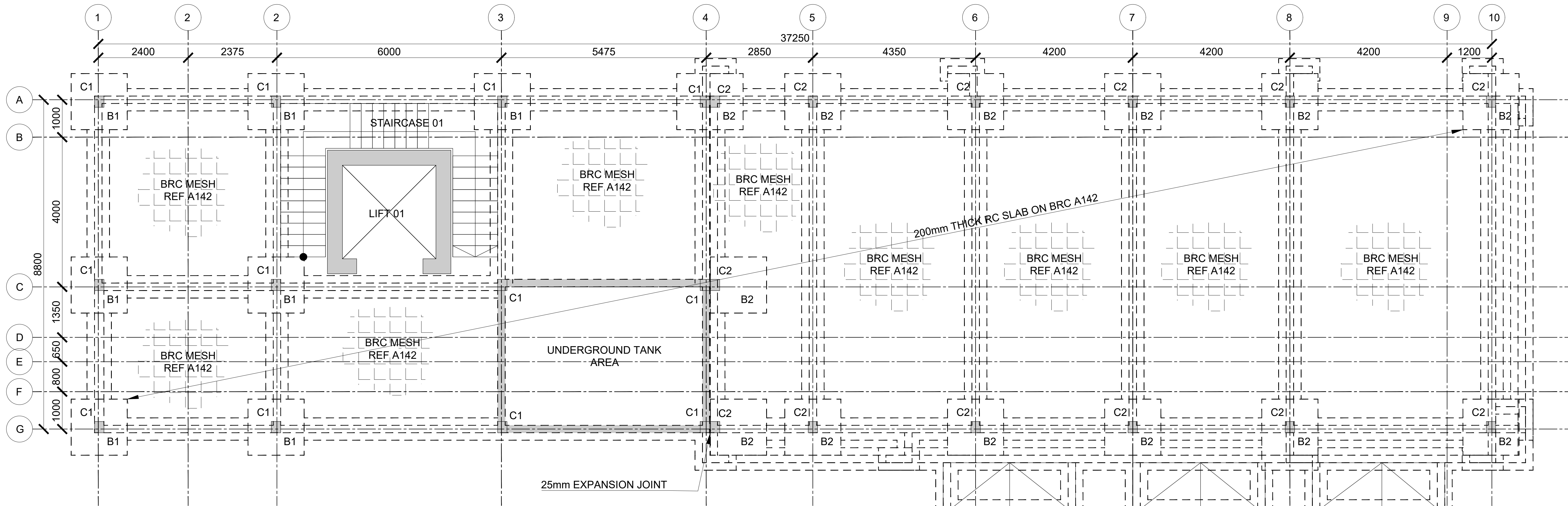


Consultant:-  <b>ARPRIM CONSORTIUM</b> <i>P.O. Box 12969-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com</i>	CLIENT:-  <b>STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.</b>	PROJECT:-  <b>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</b>	PROJECT TITLE:-  <b>PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.</b>	<b>NOTES</b>  1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.  2. All dimensions are in millimetres unless specified otherwise.  3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be:  Stairs, Slabs & Walls = 25mm Beams (main bars) = 25mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm  5. Maximum tolerance on concrete cover is +/- 5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.  7. Minimum laps to all bars to be 500 unless stated otherwise.	8. Safe Bearing Pressure taken to be 250 KN/m².	9. Nominal aggregate size to be 20mm.	10. Structural concrete to be Class 25 unless stated otherwise.	11. Concrete blinding to be Class 15 unless stated otherwise.	12. Masonry Strength to be 7.0 N/mm².	
					Designed by	DAN	Rev	Description	By	Date
					Drawn by	DAN	D			
					Checked by	HOH	C			
					Scale	AS SHOWN	B			
		A								
DRAWING TITLE:-  <b>SITE LAYOUT</b>					<div>DRAWING NO. 12-002-02</div>					

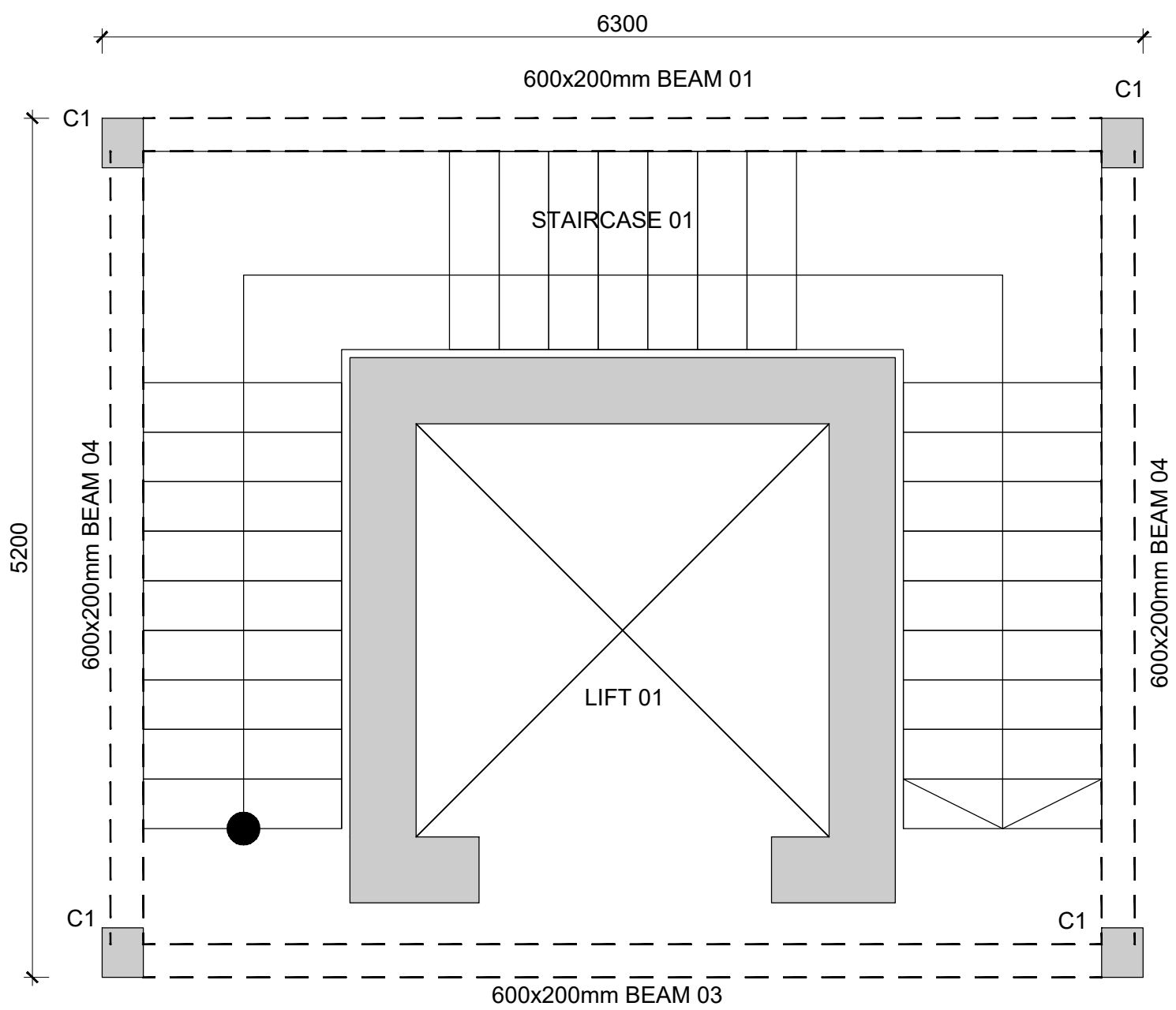




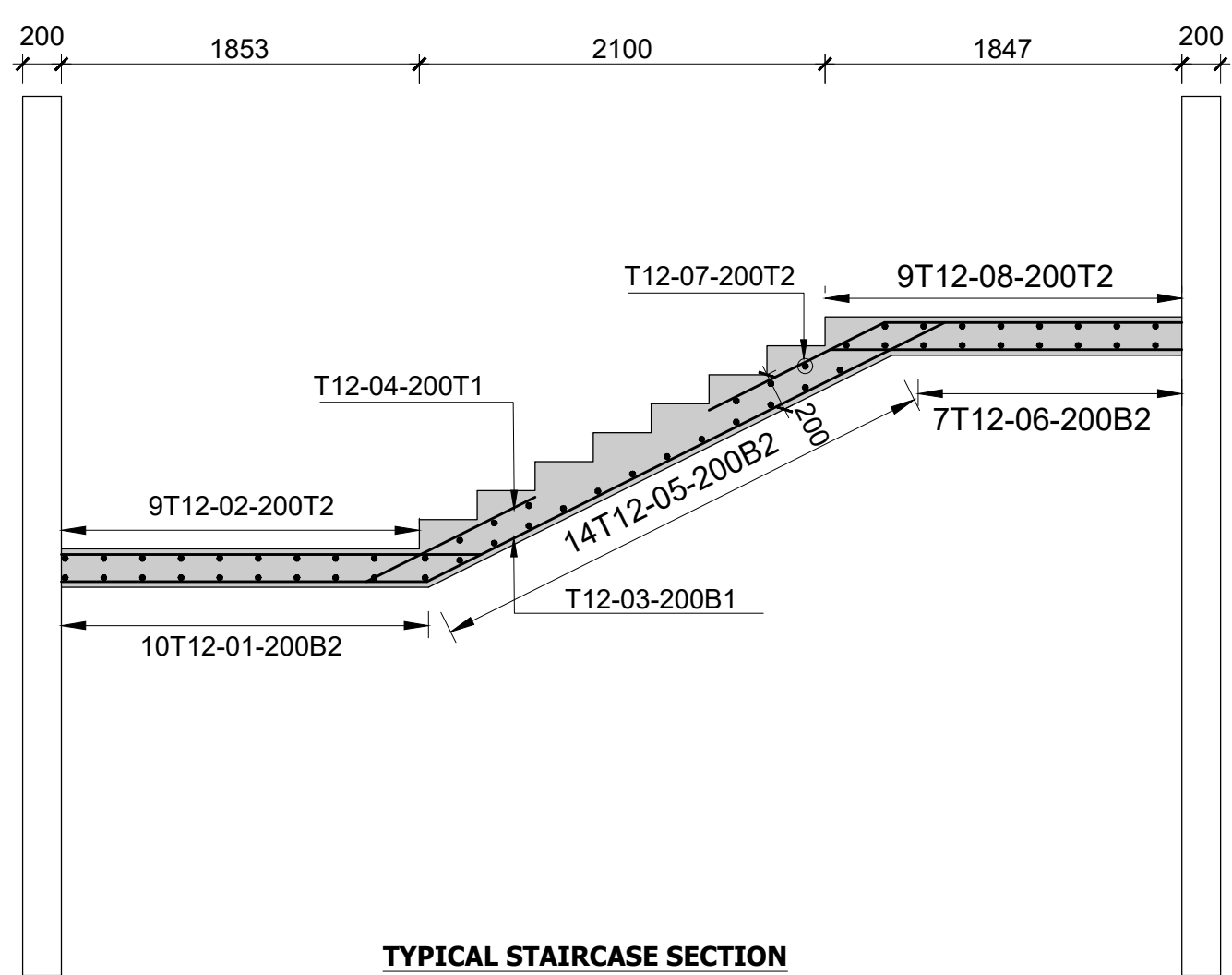




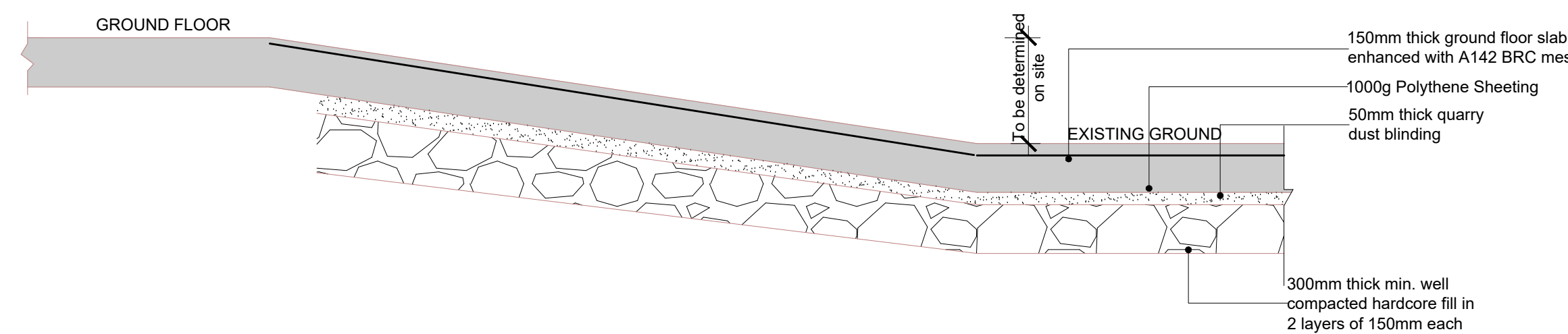
FOUNDATION/GROUND FLOOR LAYOUT  
(SCALE 1:100)



STAIRCASE PLAN  
SCALE 1:50

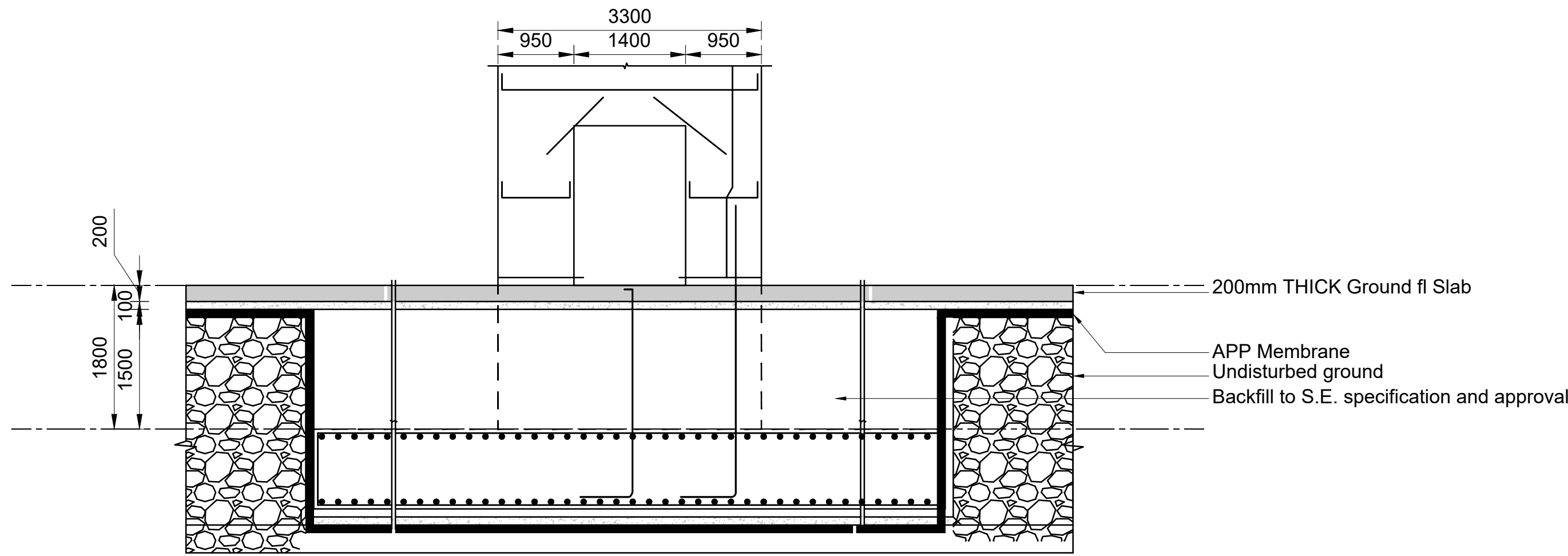


TYPICAL STAIRCASE SECTION  
Scale 1:50

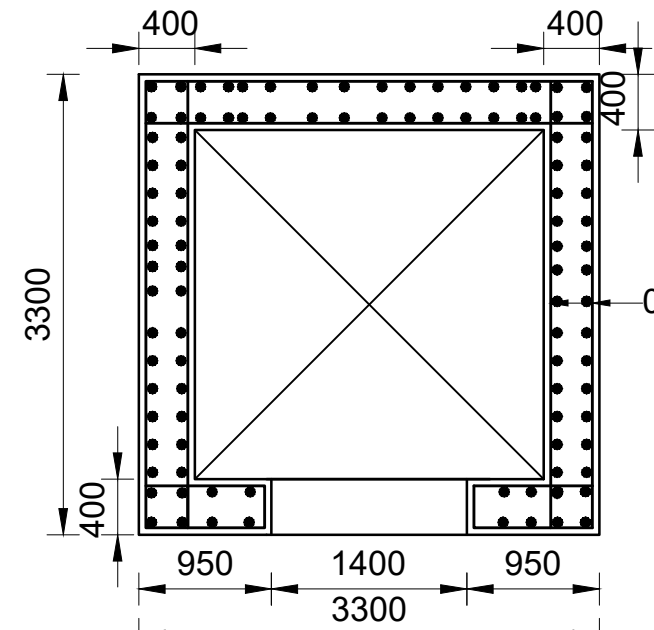


SECTION THROUGH RAMP (1 IN 12)  
(SCALE 1:25)

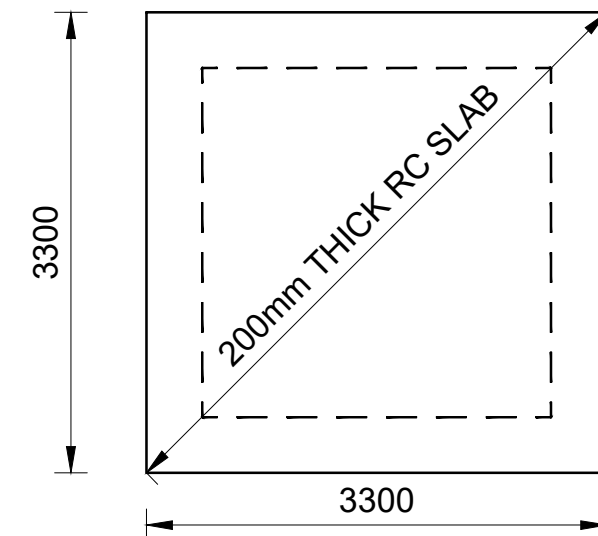




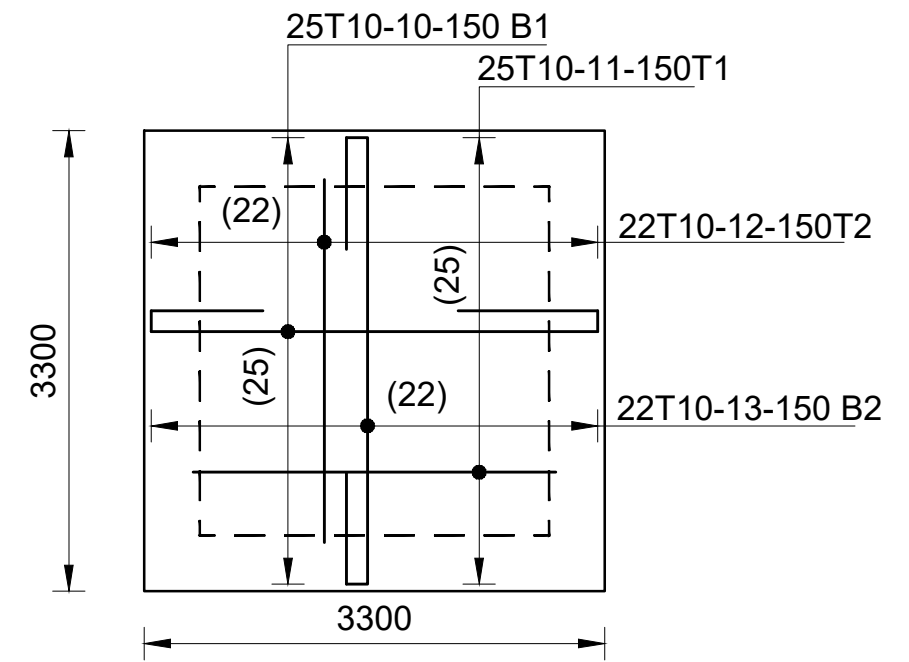
LIFT 01 PIT DETAIL  
SCALE 1:50



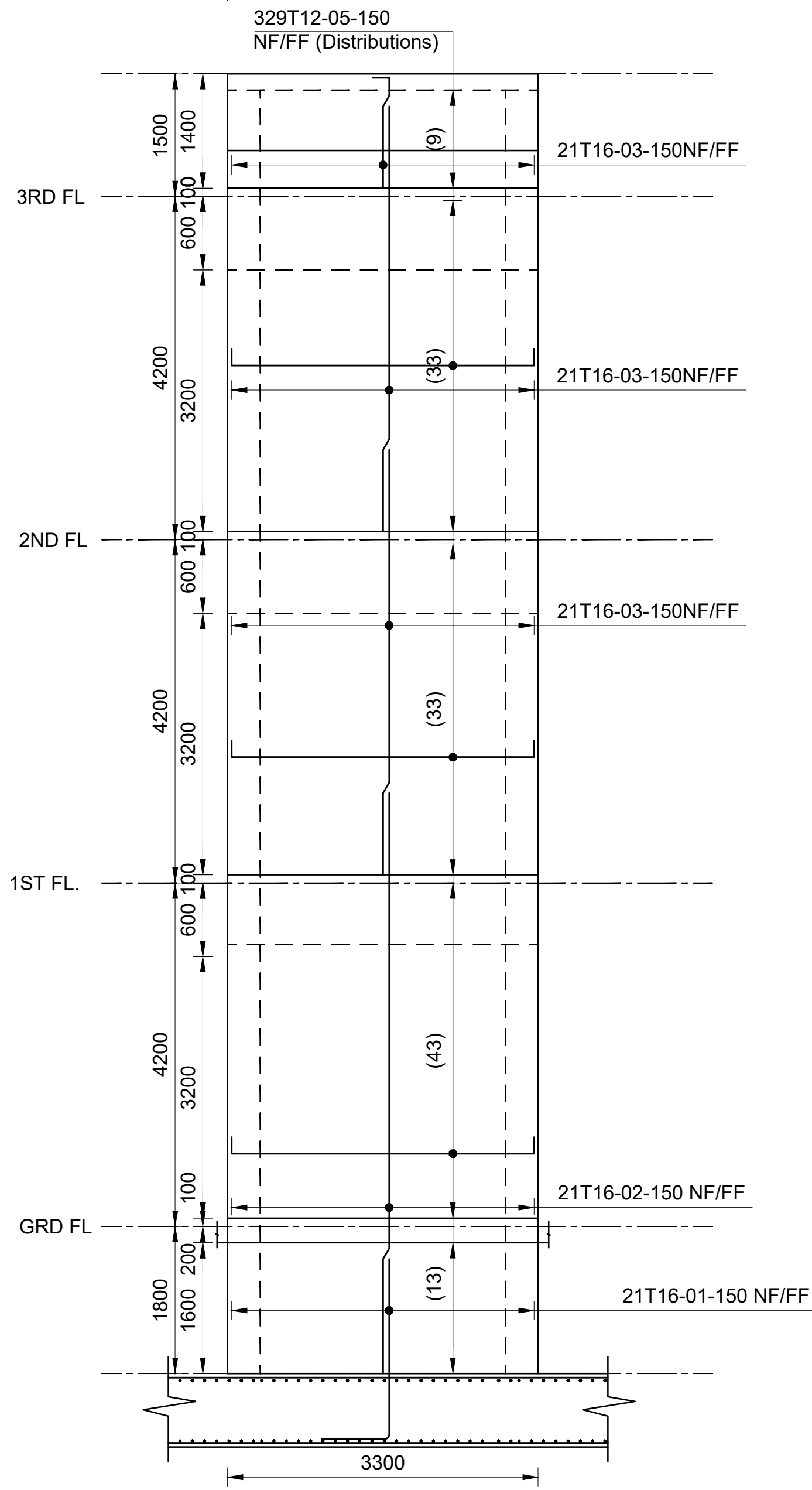
TYPICAL SECTION THROUGH LIFT 01/04  
SCALE 1:50



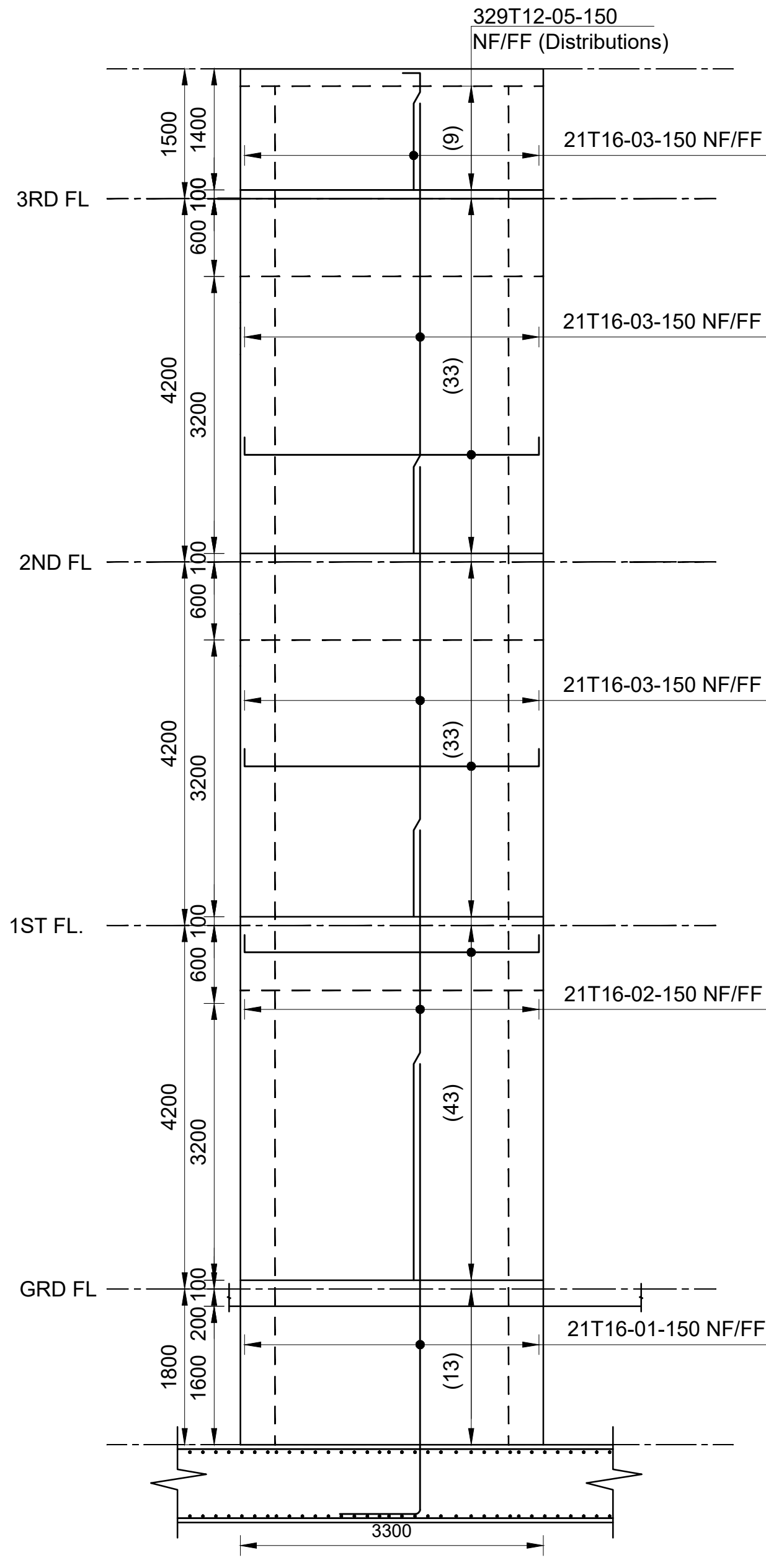
LIFT 01 ROOF LAYOUT  
SCALE 1:50



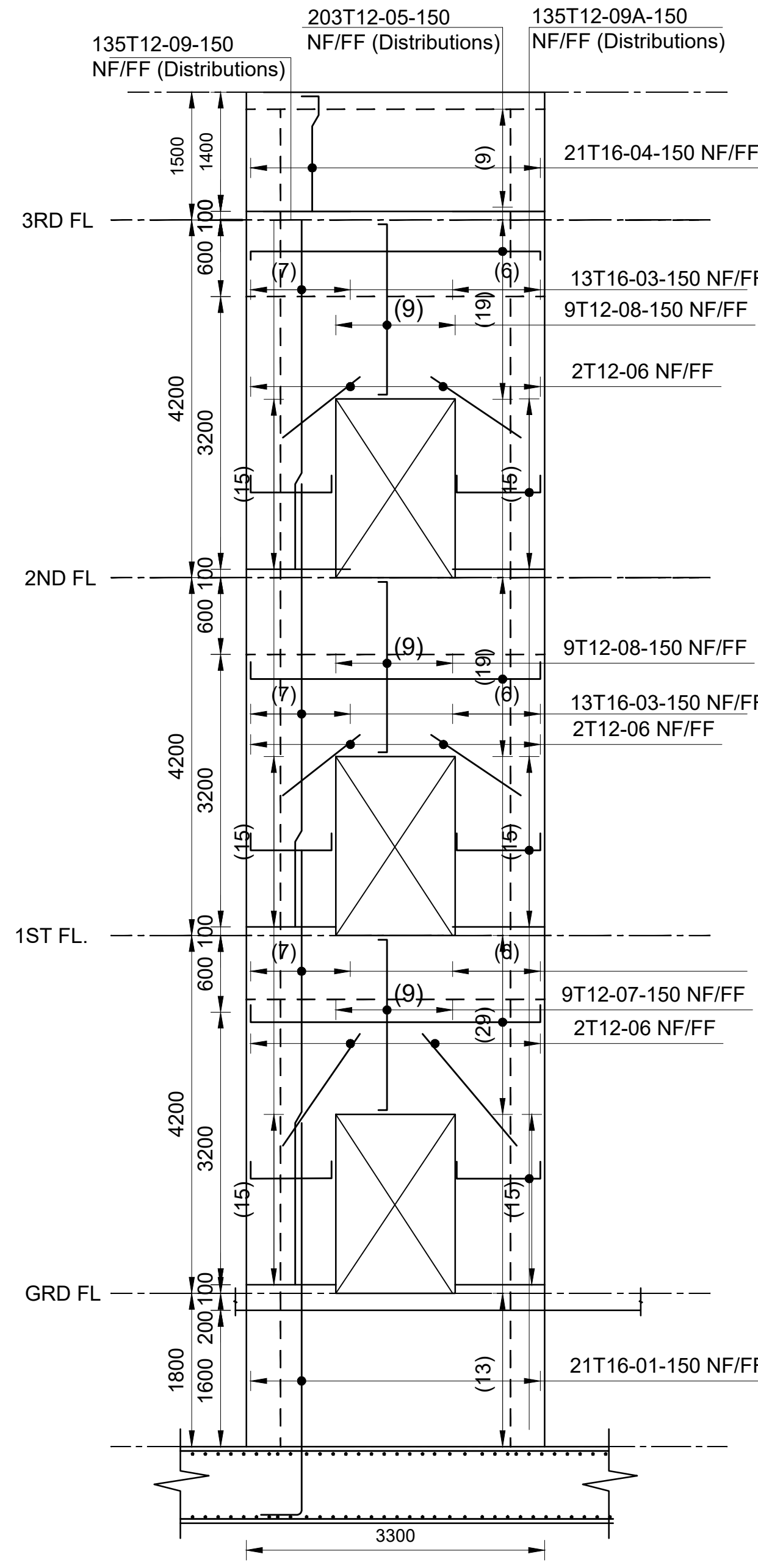
LIFT 01 ROOF SLAB RC DETAIL  
SCALE 1:50



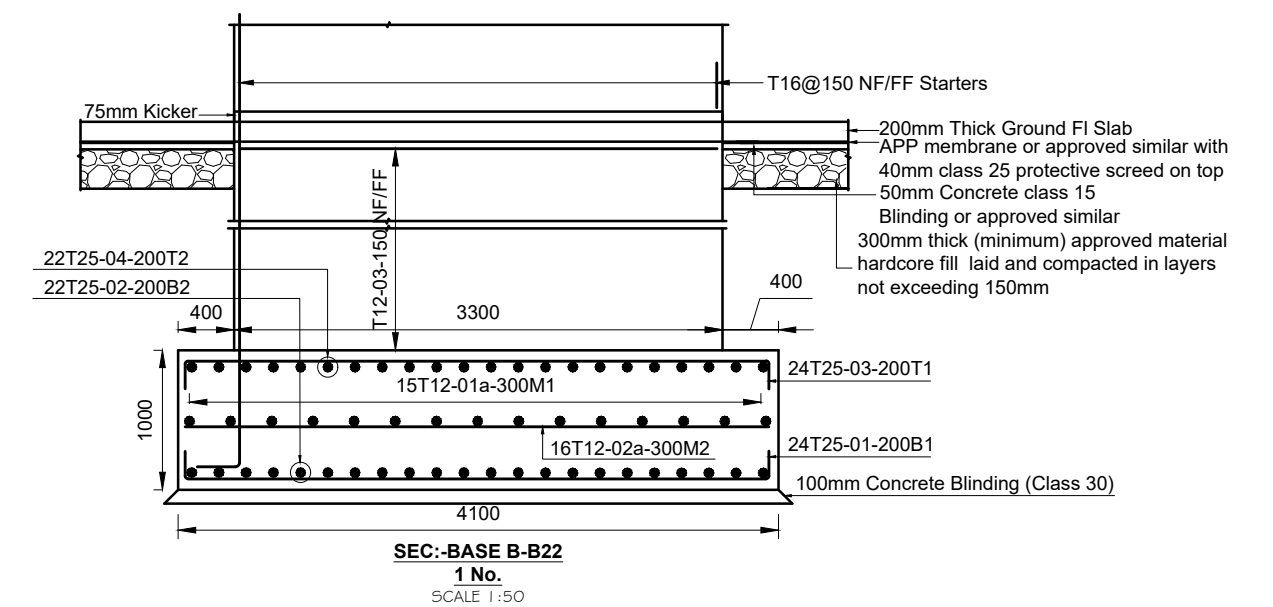
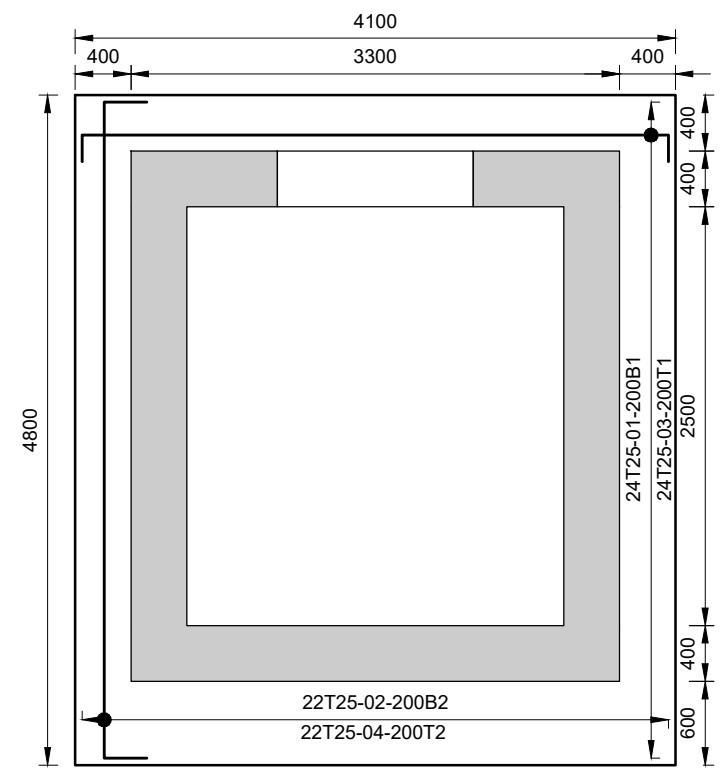
LIFT 01 (SIDE ELEVATION)  
SCALE 1:50



LIFT 01 (REAR ELEVATION)  
SCALE 1:50



LIFT 01 (FRONT ELEVATION)  
SCALE 1:50



Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**POLYFUNCTION BLOCK - LIFT CORE DETAIL**

#### NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

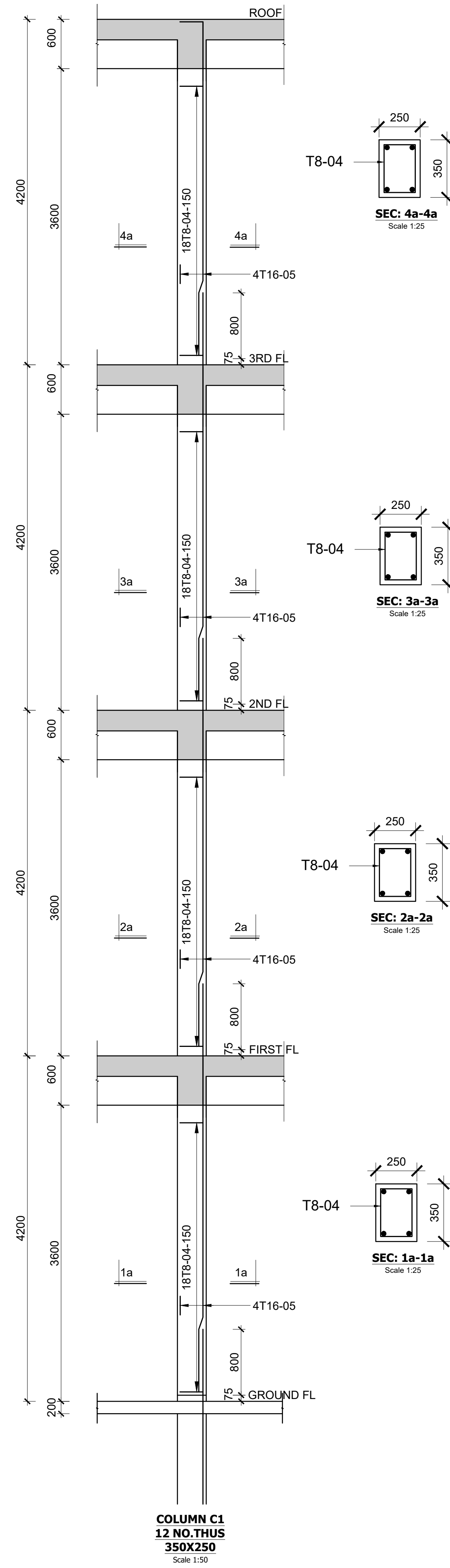
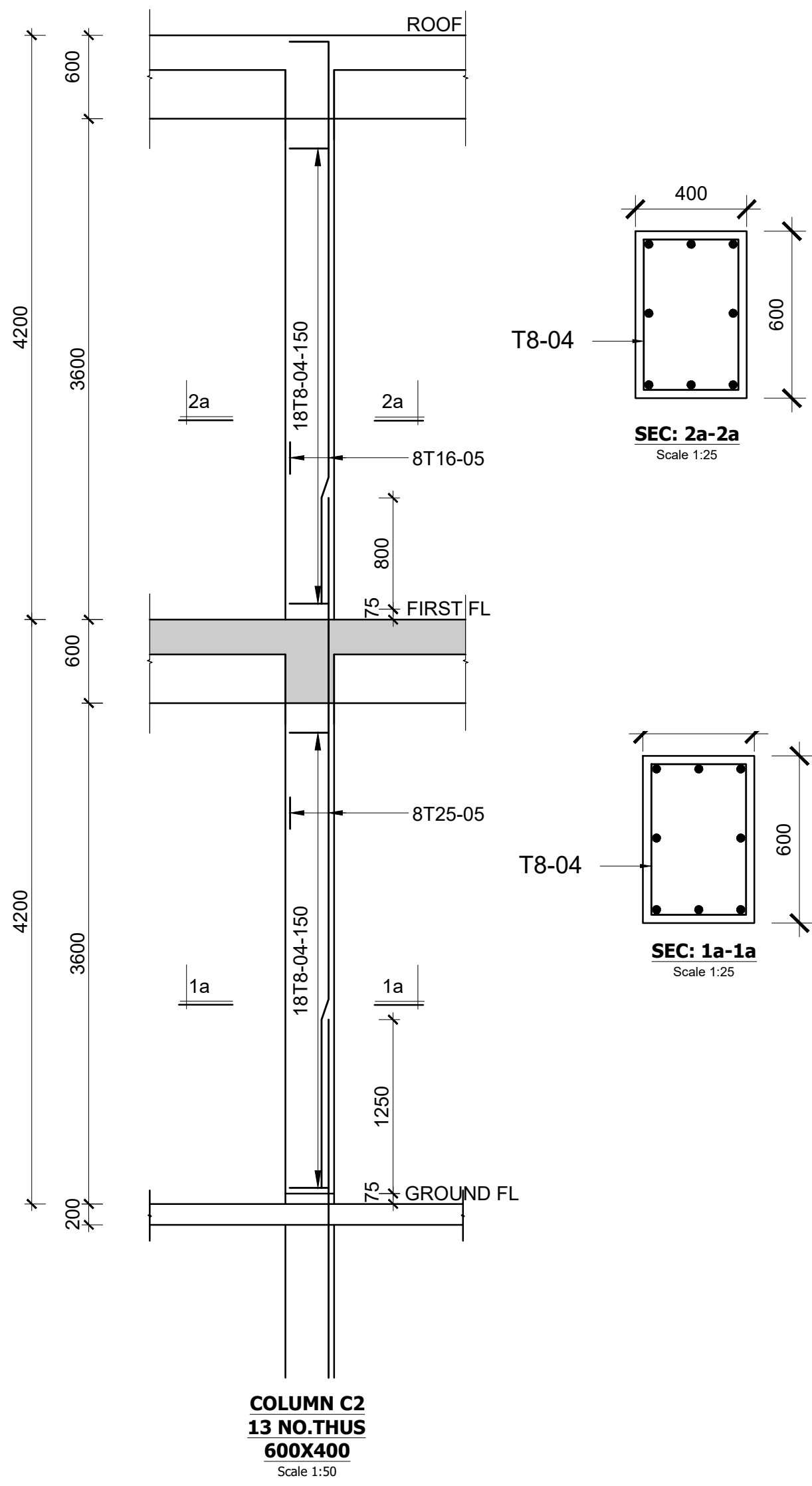
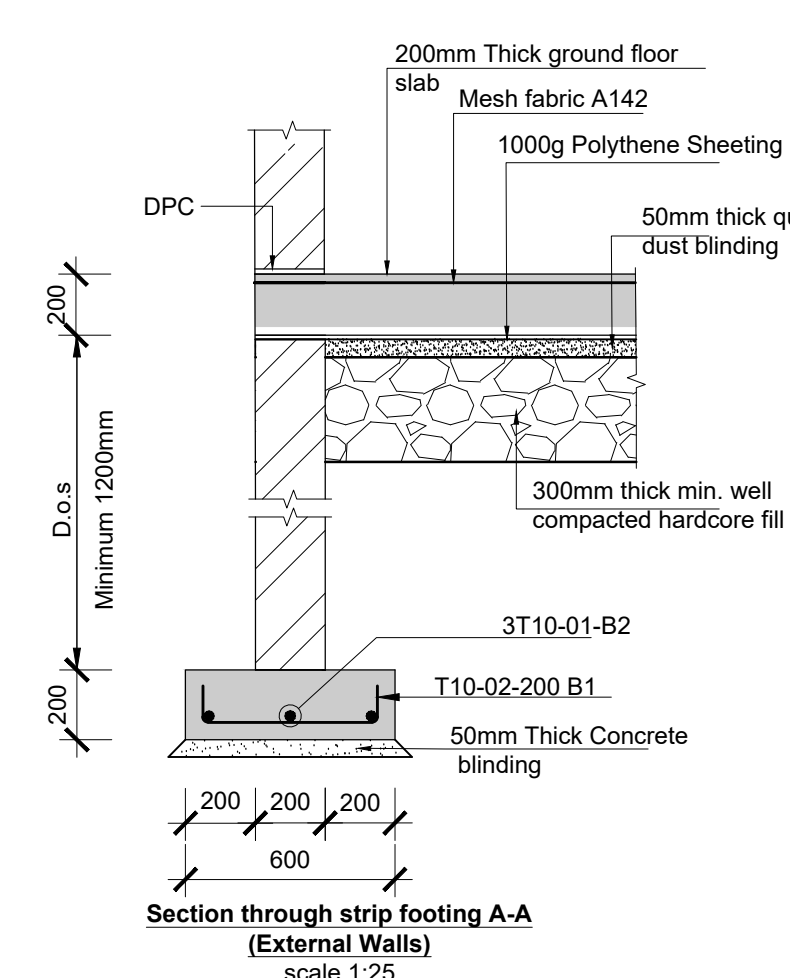
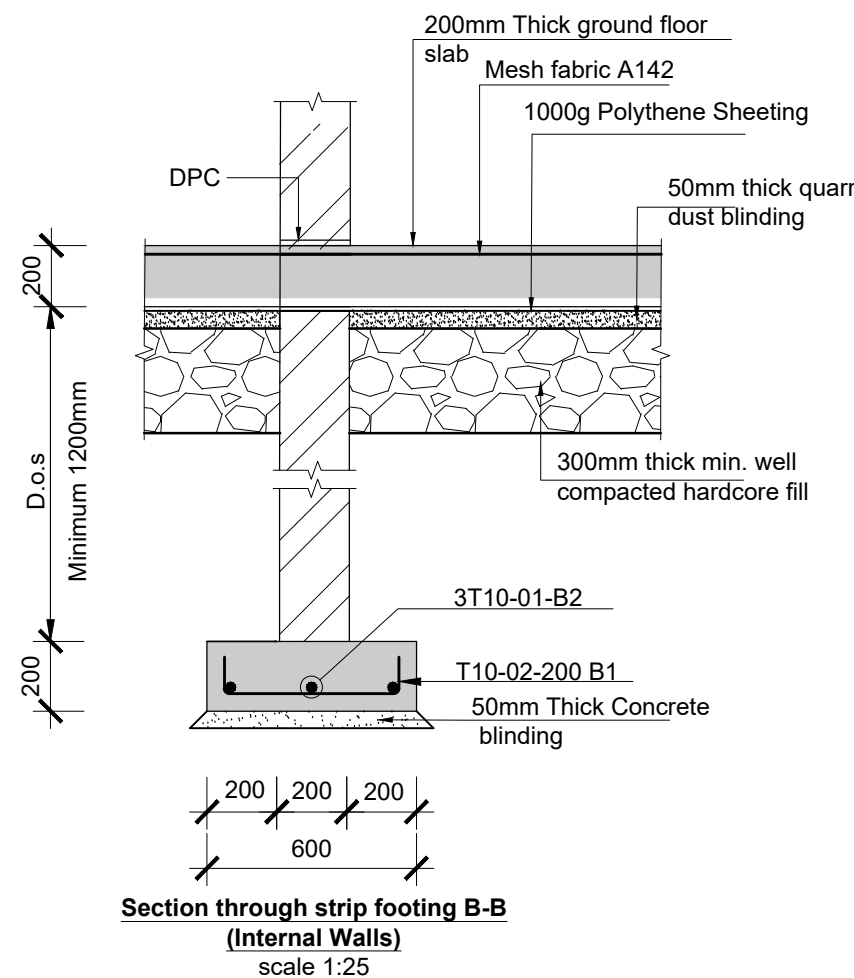
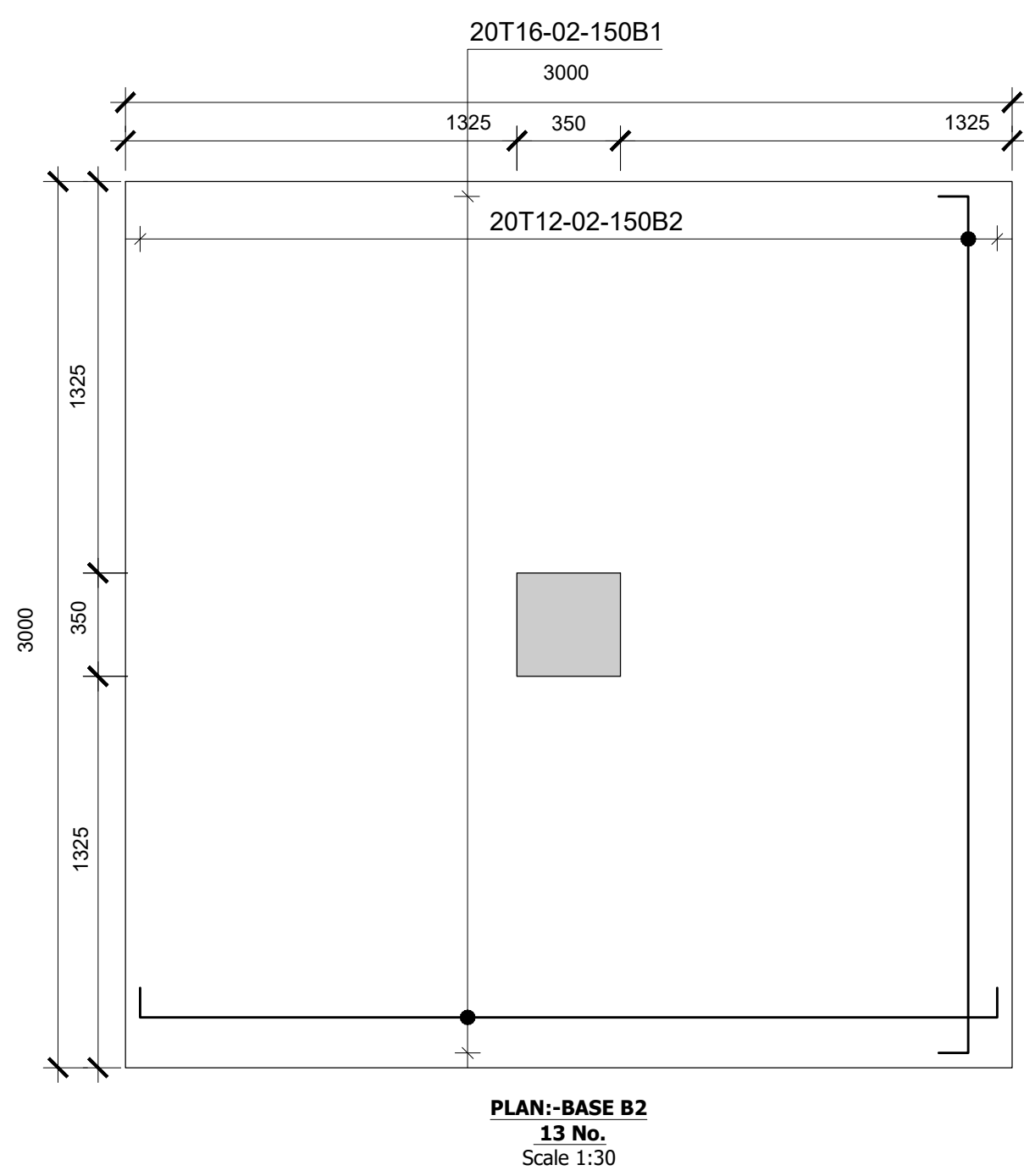
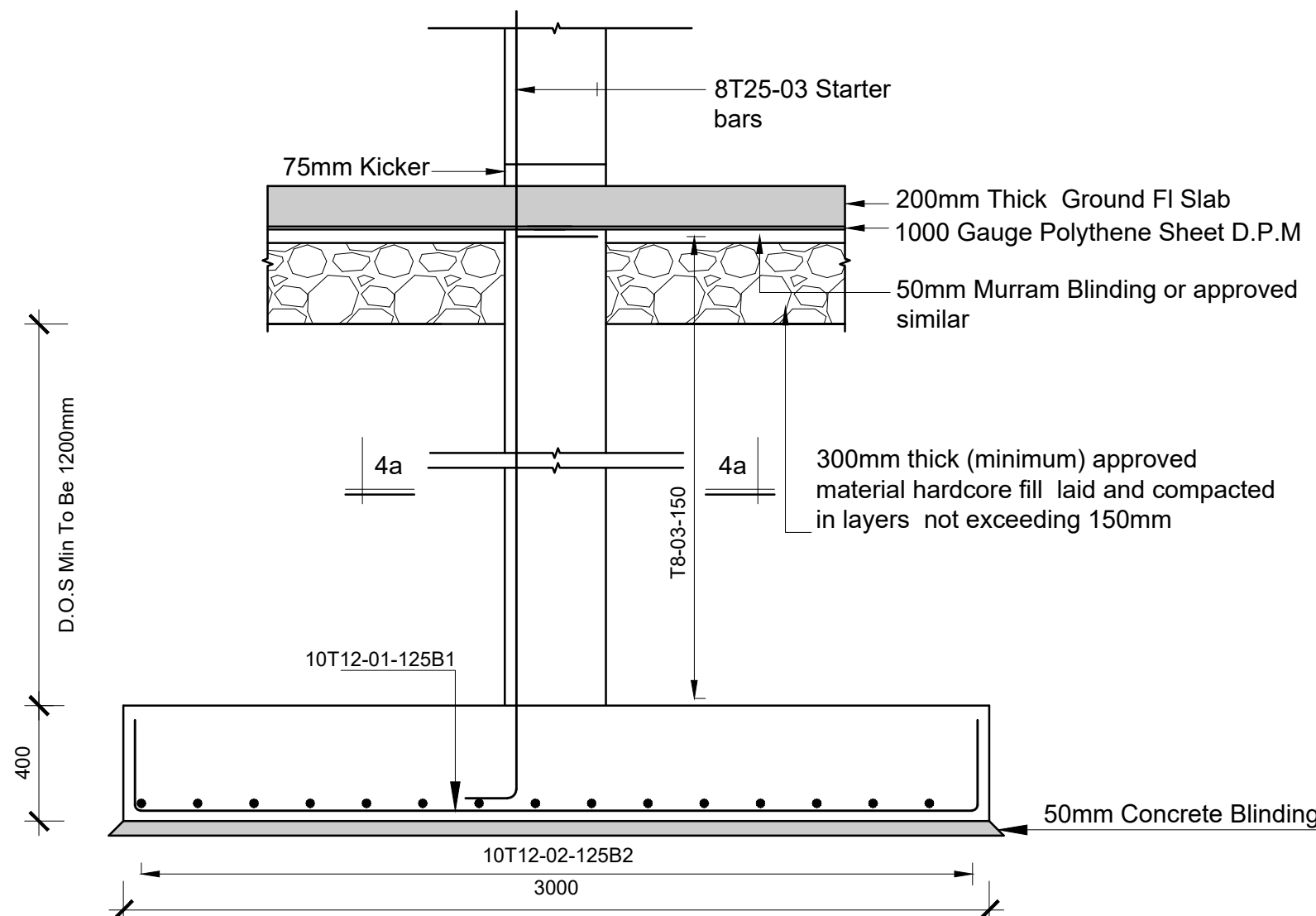
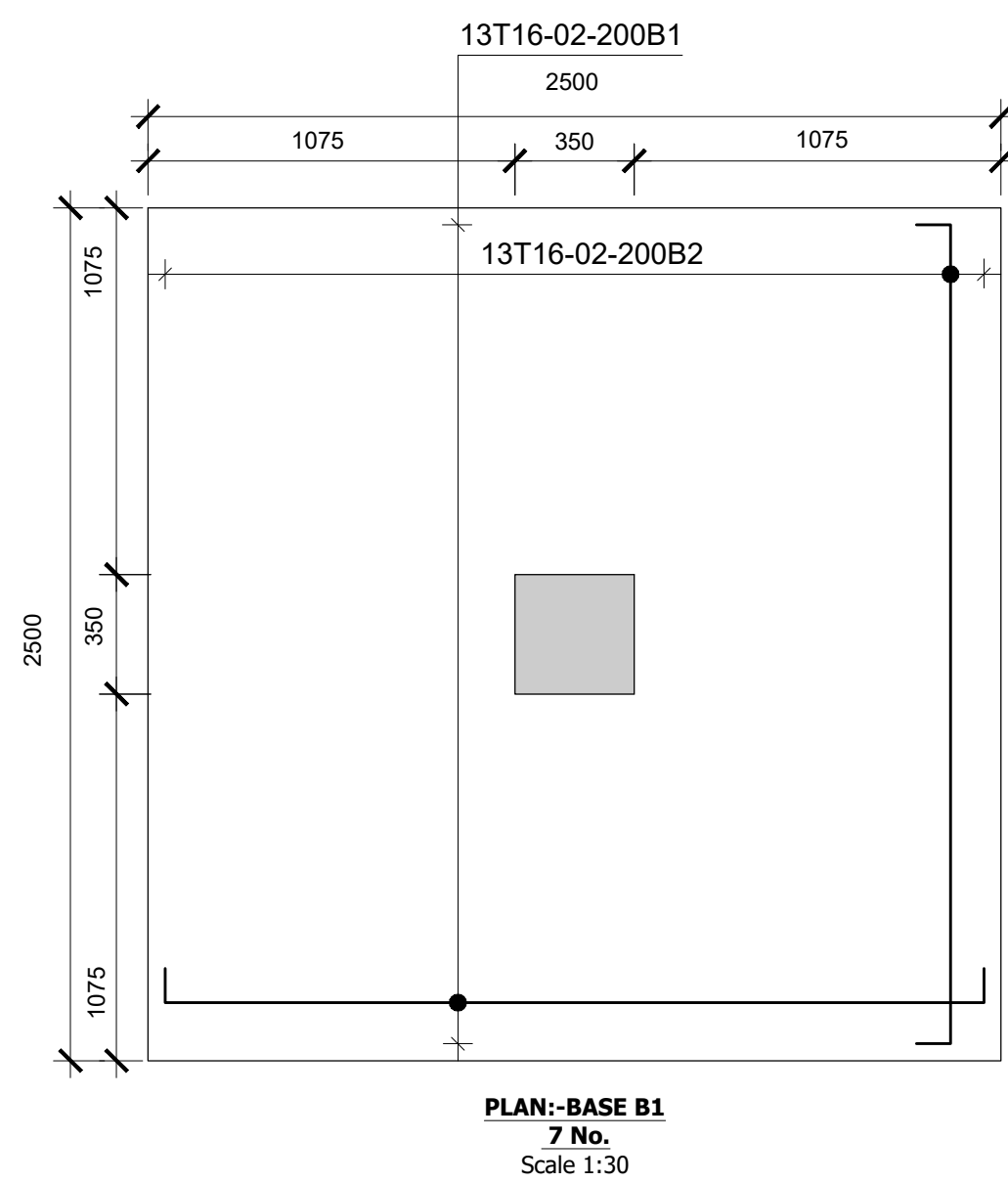
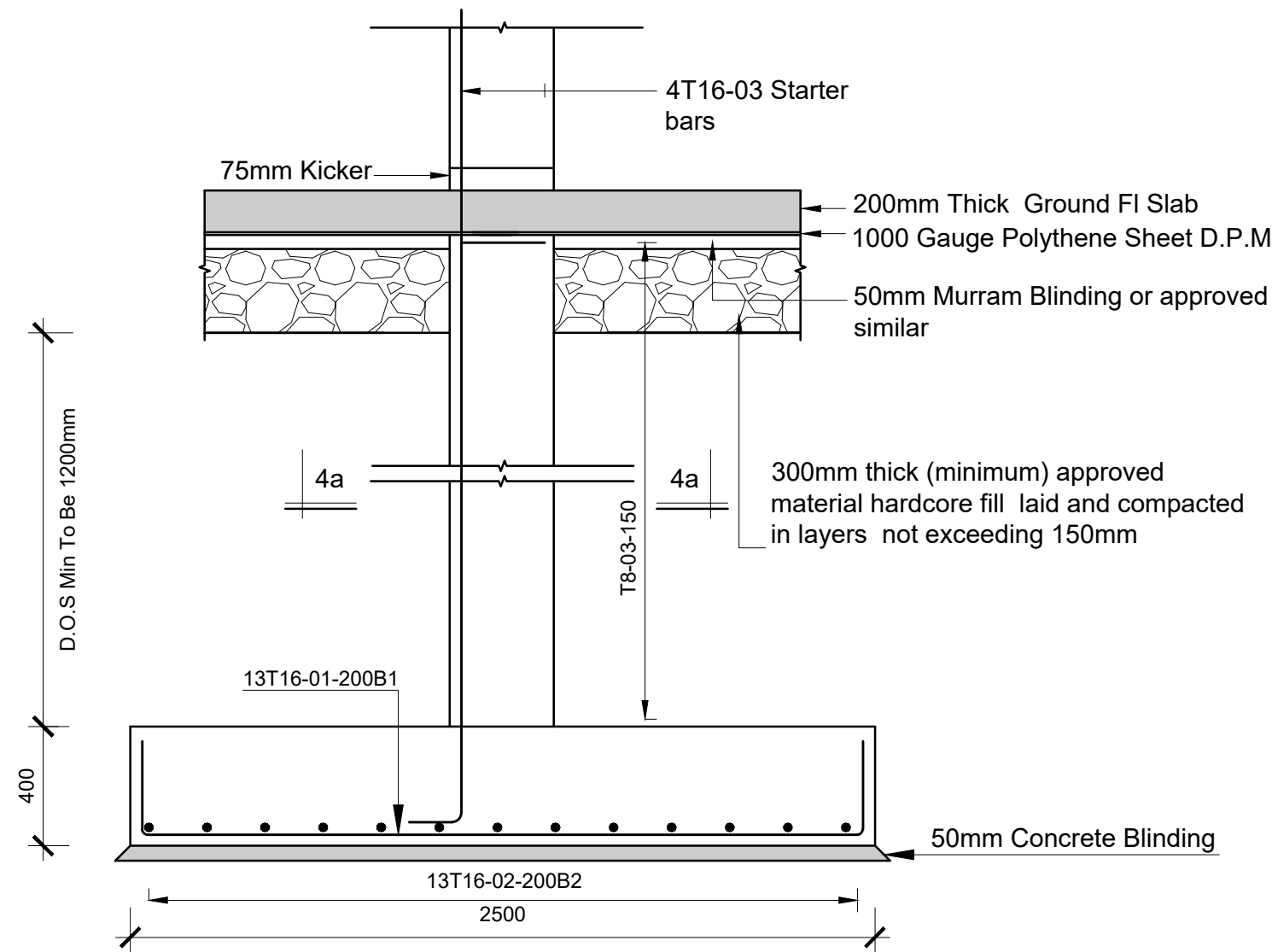
- Stairs, Slabs & Walls = 35mm
- Beams (main bars) = 35mm
- Post-tensioned beams = 40mm
- Columns (main bars) = 40mm
- Foundations = 75mm
- 5. Maximum tolerance on concrete cover is +/- 5mm.
- 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
- 7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

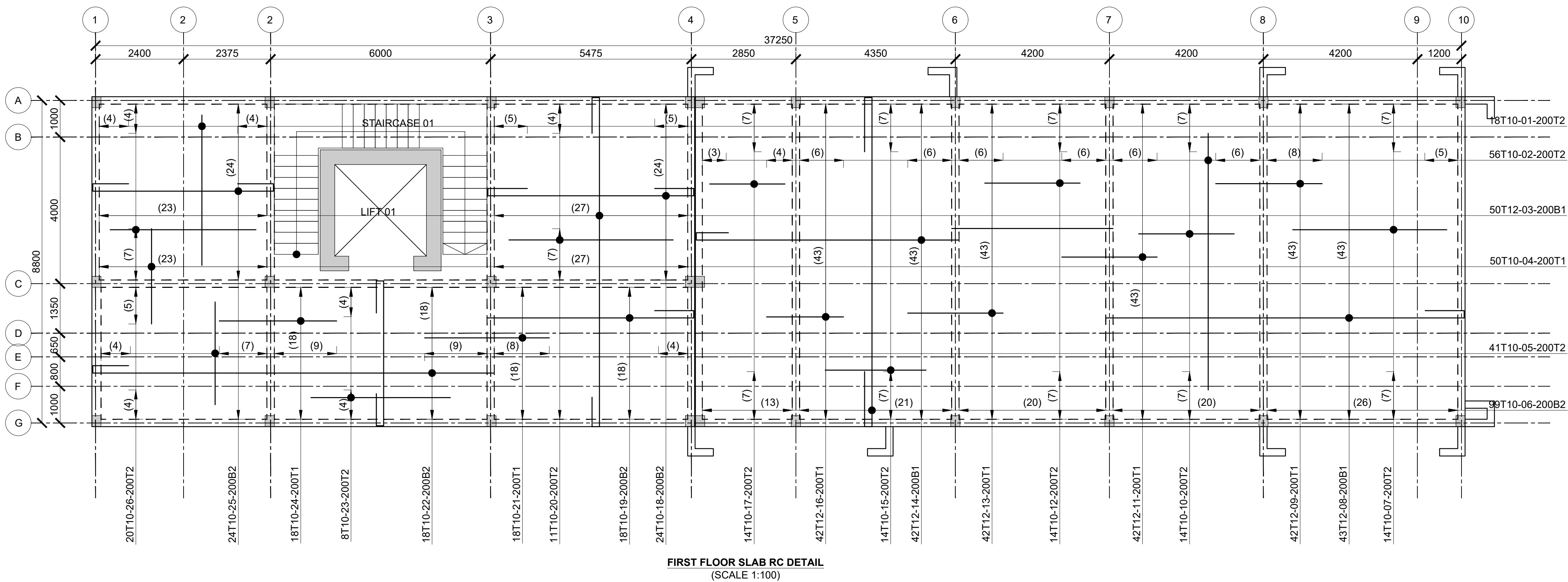
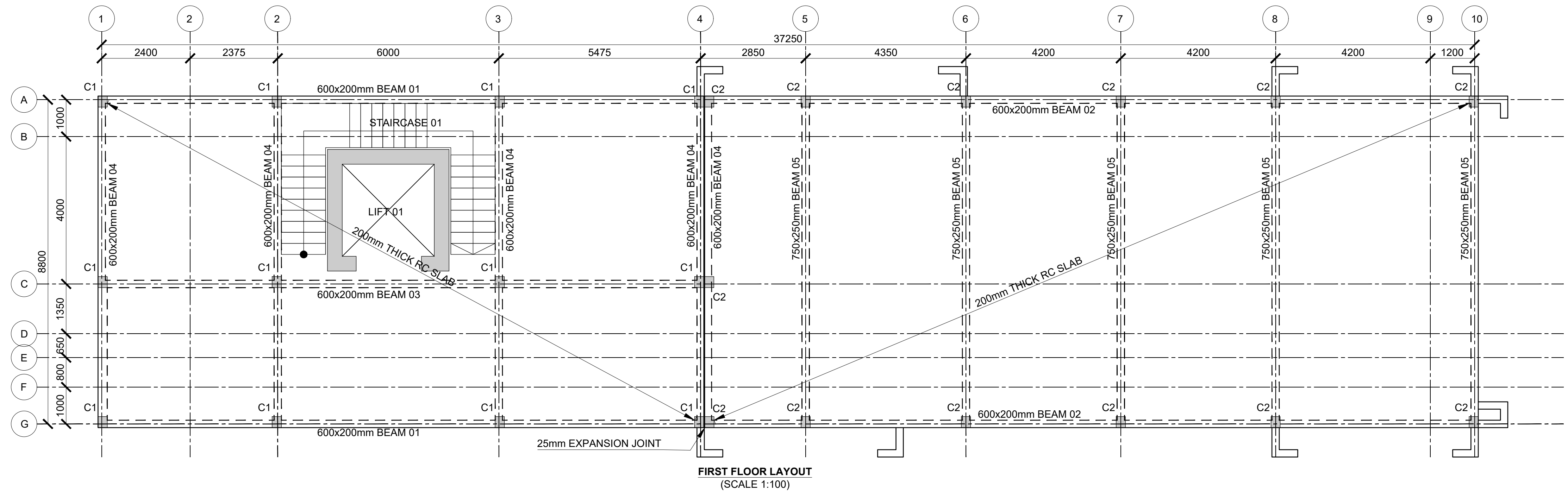
Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

DRAWING NO. 12-002-05

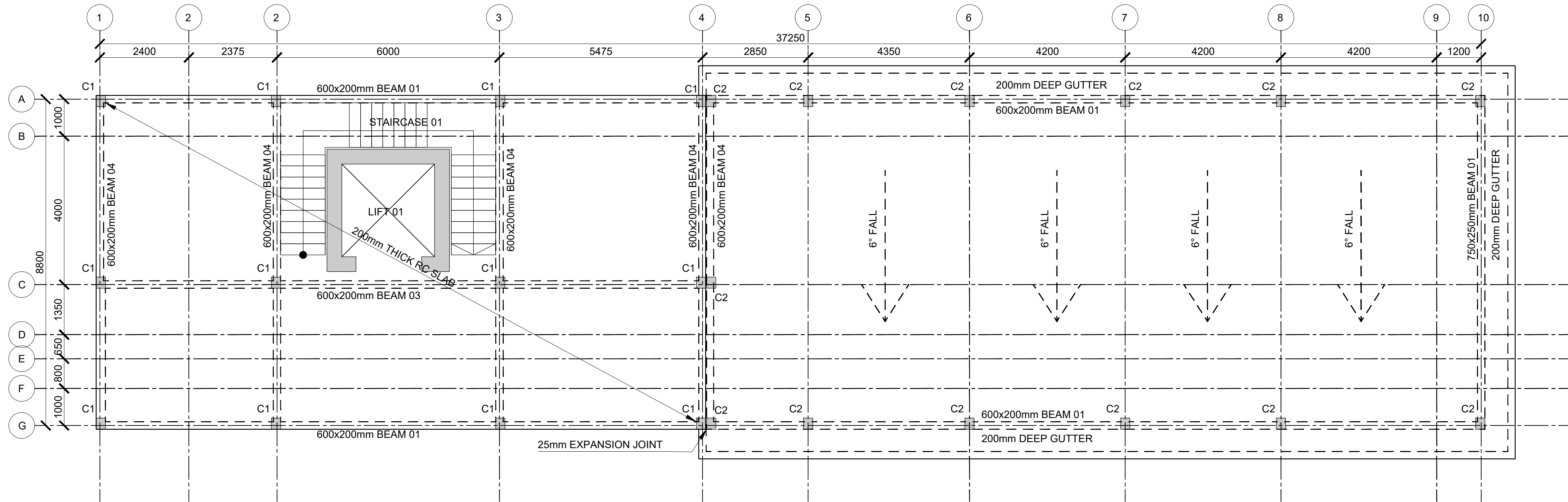




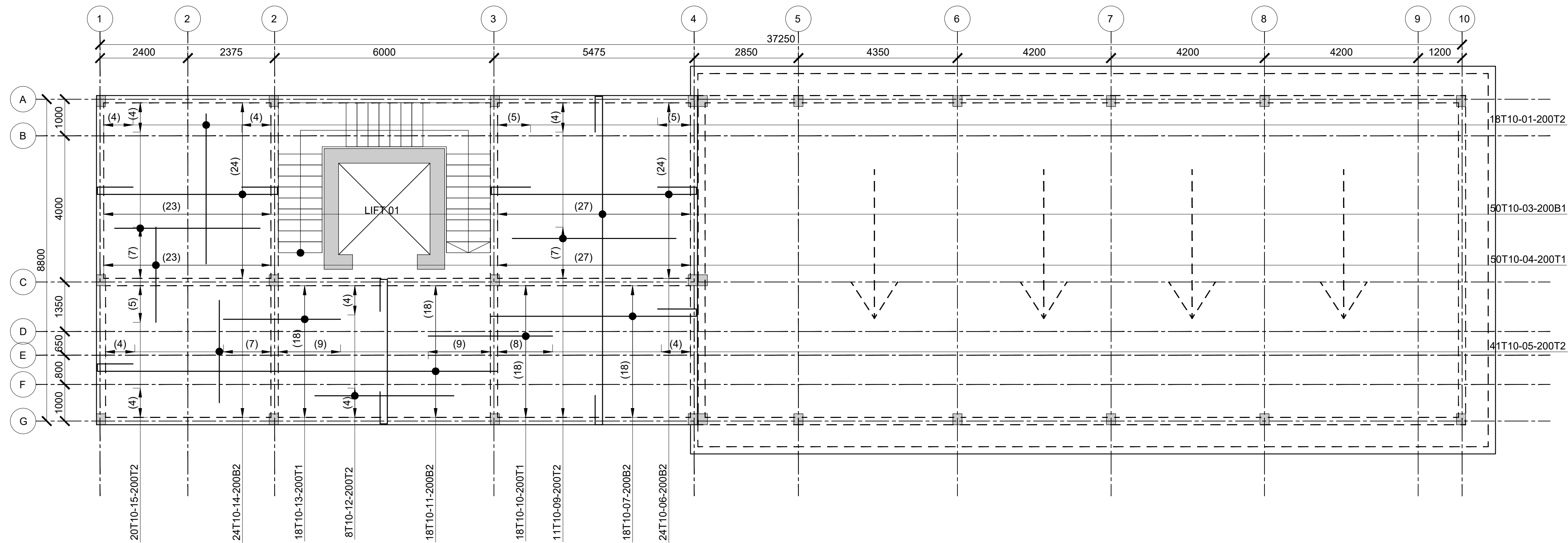








SECOND FLOOR LAYOUT  
(SCALE 1:100)



SECOND FLOOR SLAB RC DETAIL  
(SCALE 1:100)

Consultant:-

**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-

**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-

**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-

**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-

**POLYFUNCTION BLOCK - SECOND FLOOR LAYOUT AND SLAB DETAIL**

NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

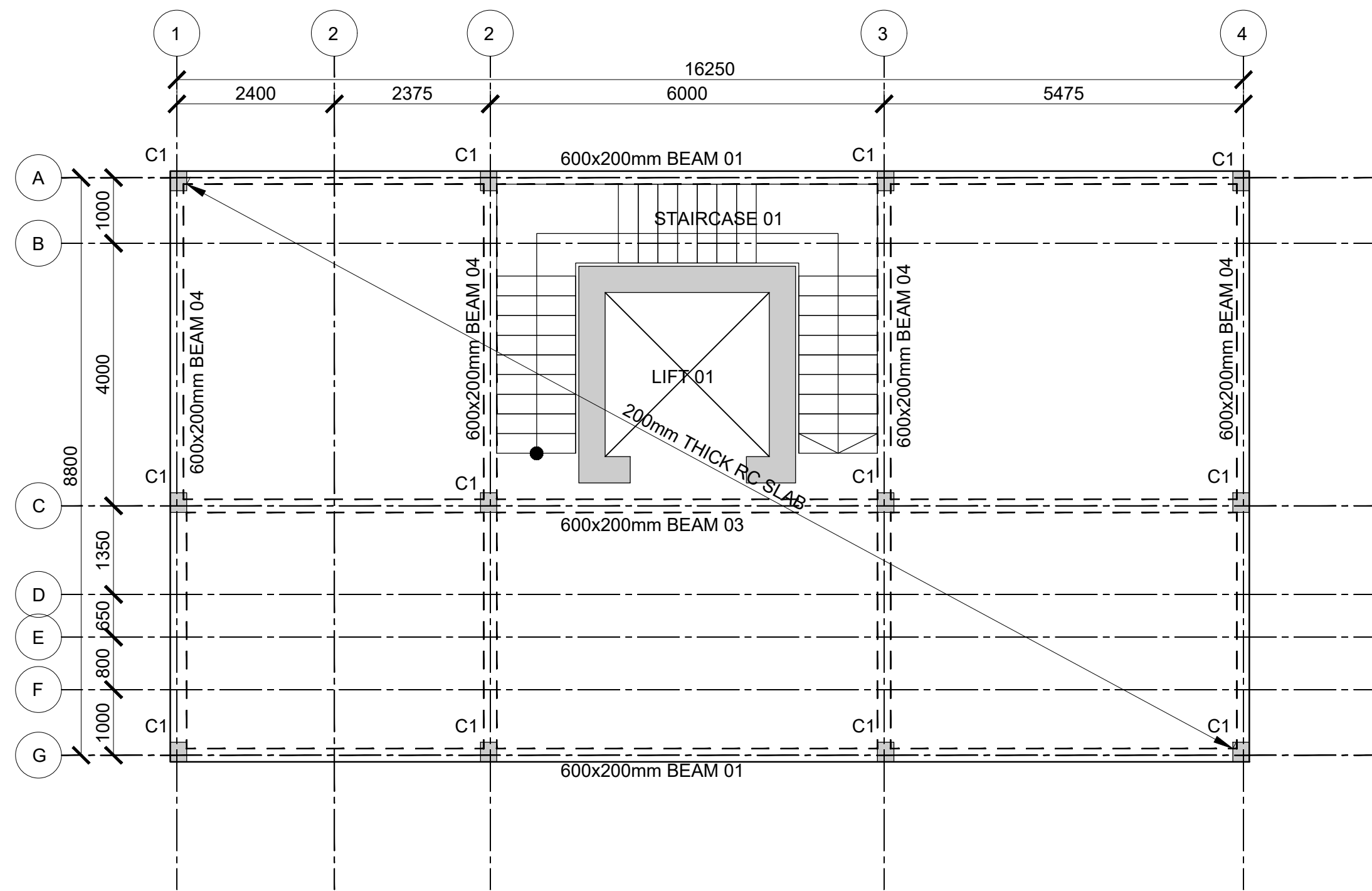
Stairs, Slabs & Walls  
Beams (main bars) = 35mm  
Post-tensioned beams = 40mm  
Columns (main bars) = 40mm  
Foundations = 75mm  
5. Maximum tolerance on concrete cover is +/- 5mm.  
6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.  
7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

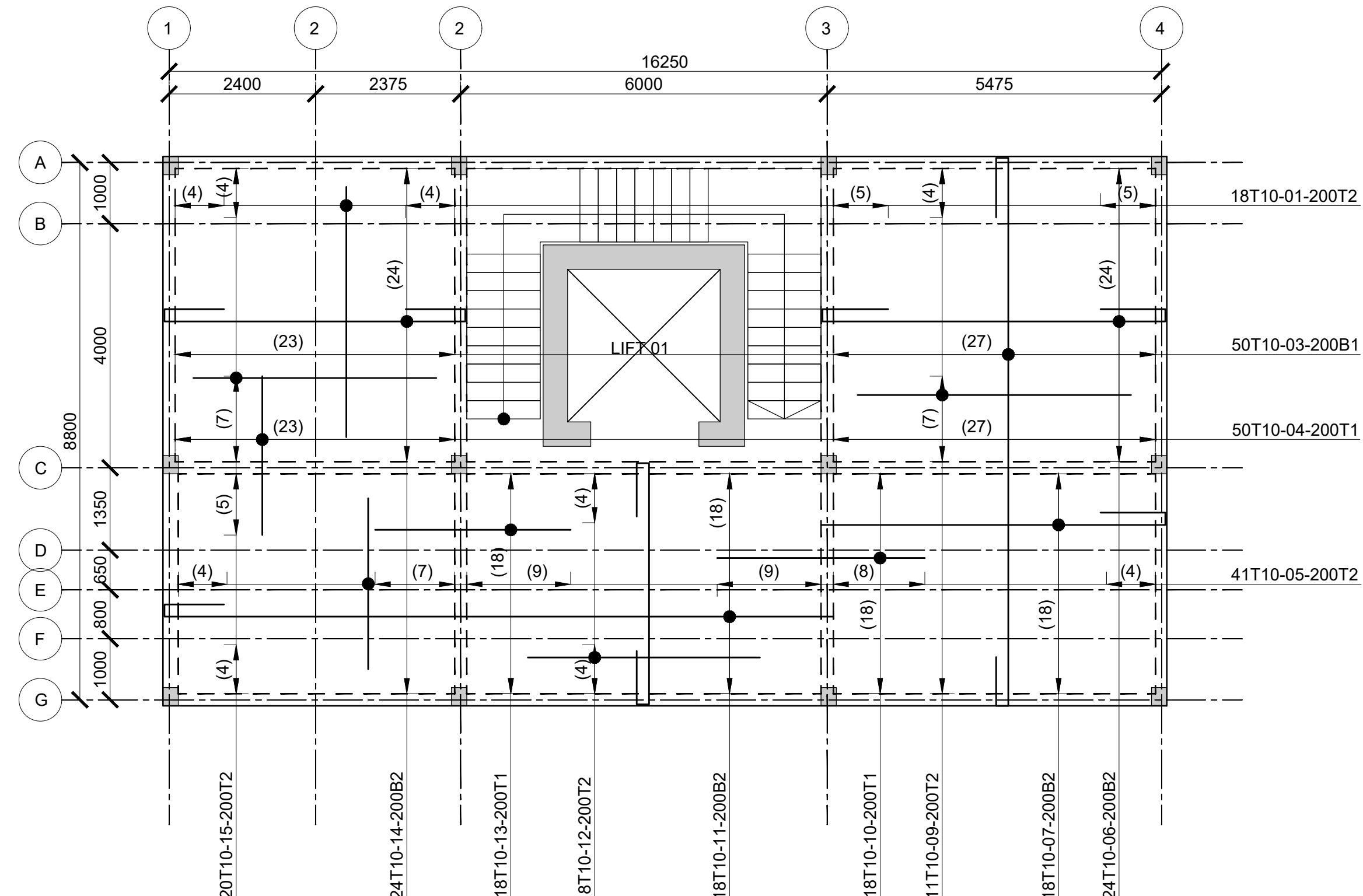
Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

DRAWING NO. 12-002-08

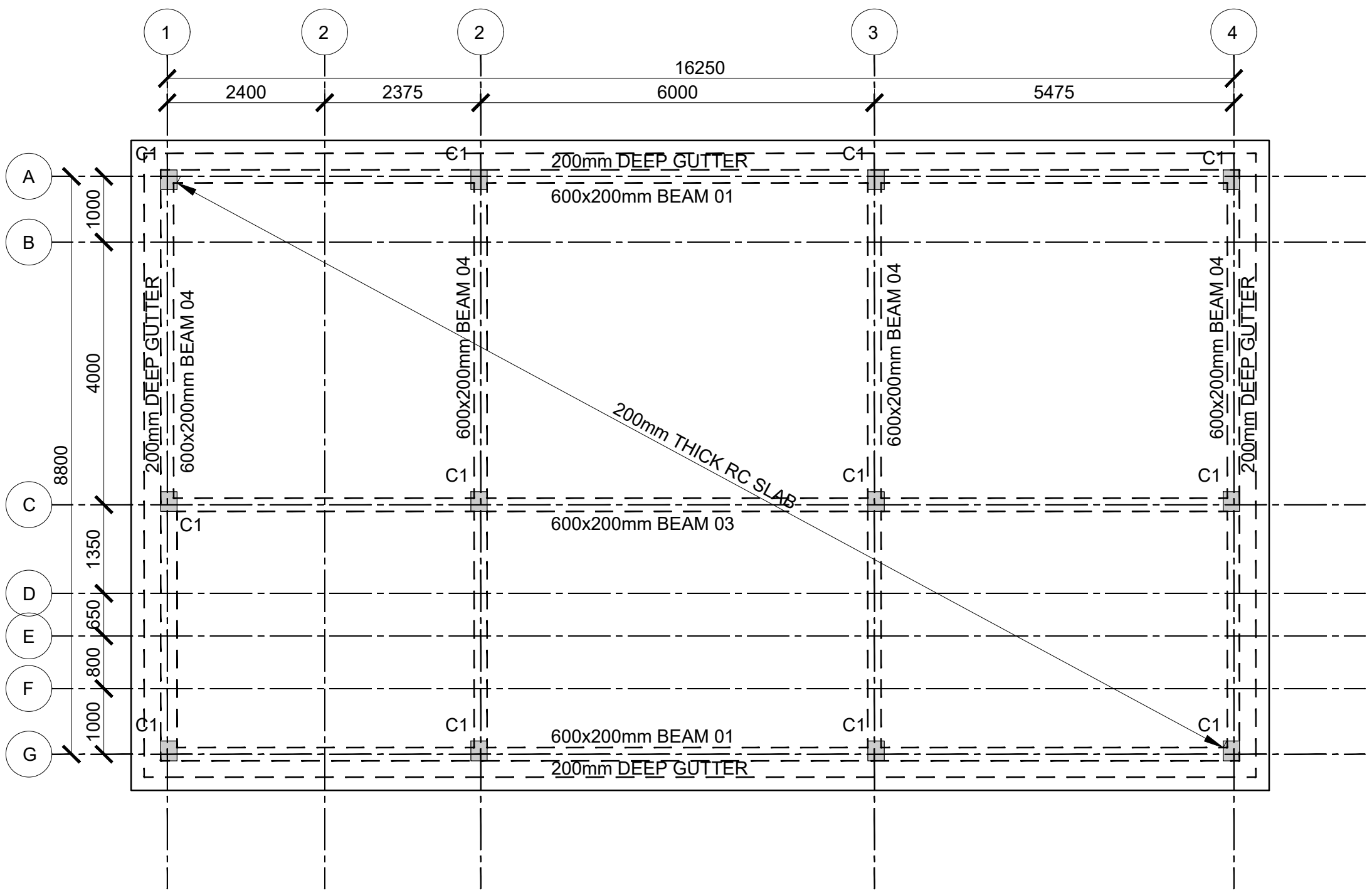




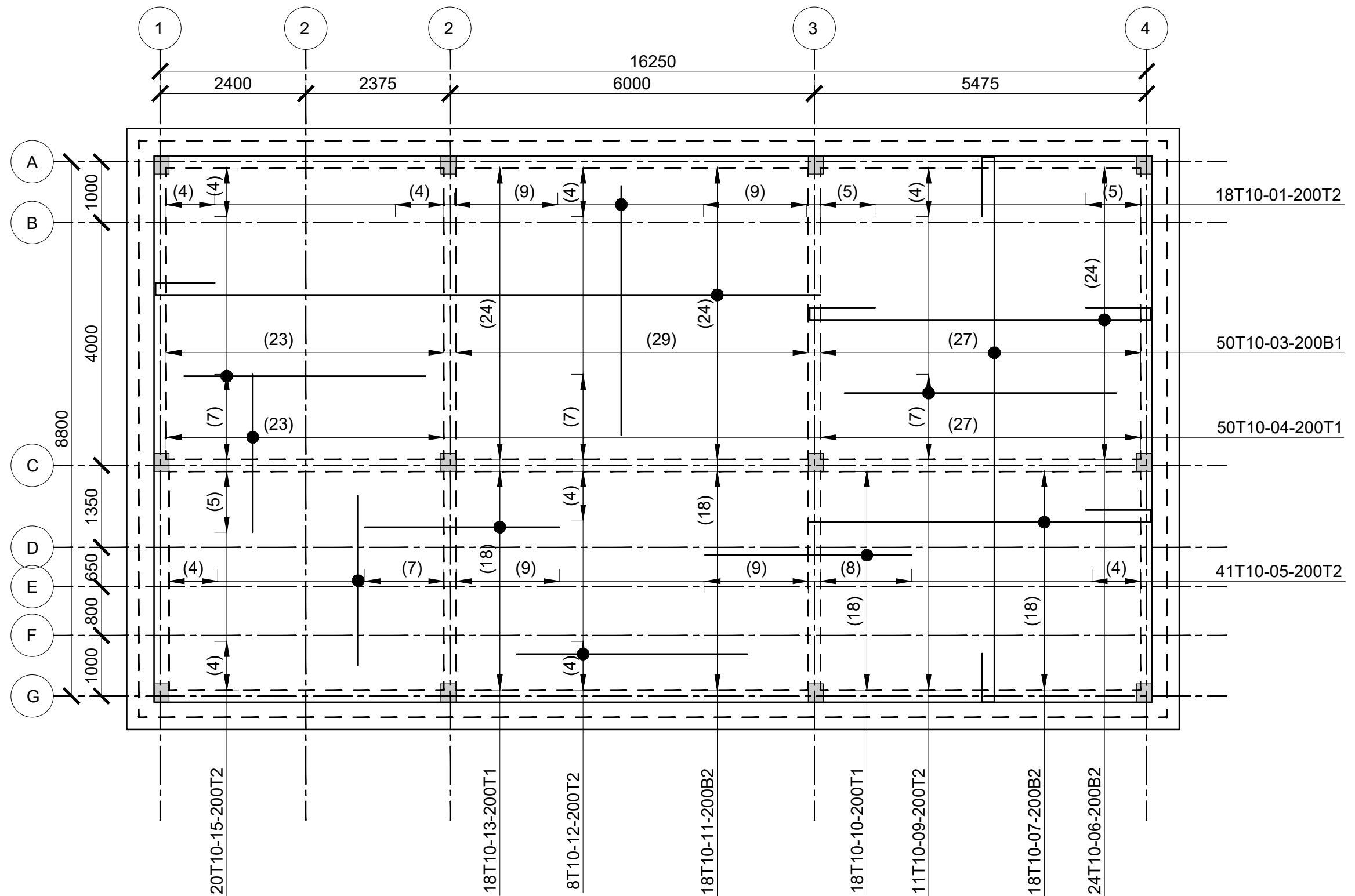
**THIRD FLOOR LAYOUT**  
(SCALE 1:100)



**THIRD FLOOR SLAB RC DETAIL**  
(SCALE 1:100)



**ROOF LAYOUT**  
(SCALE 1:100)



**ROOF SLAB RC DETAIL**  
(SCALE 1:100)

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**POLYFUNCTION BLOCK - THIRD AND FOURTH  
LAYOUT AND SLAB DETAIL**

#### NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

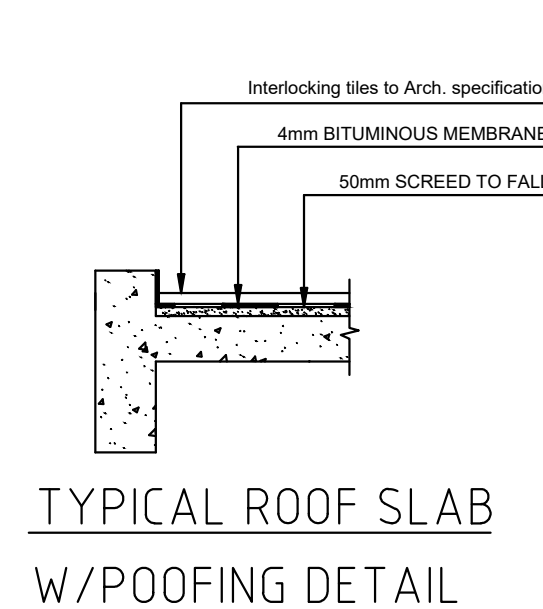
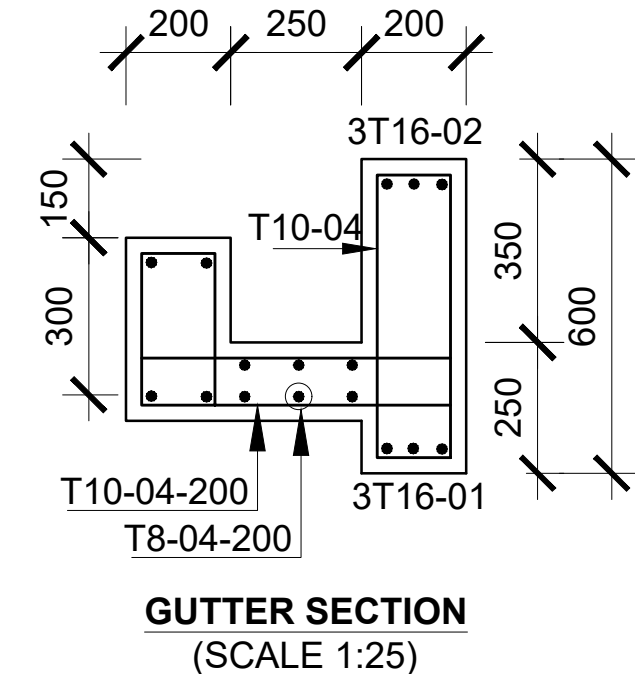
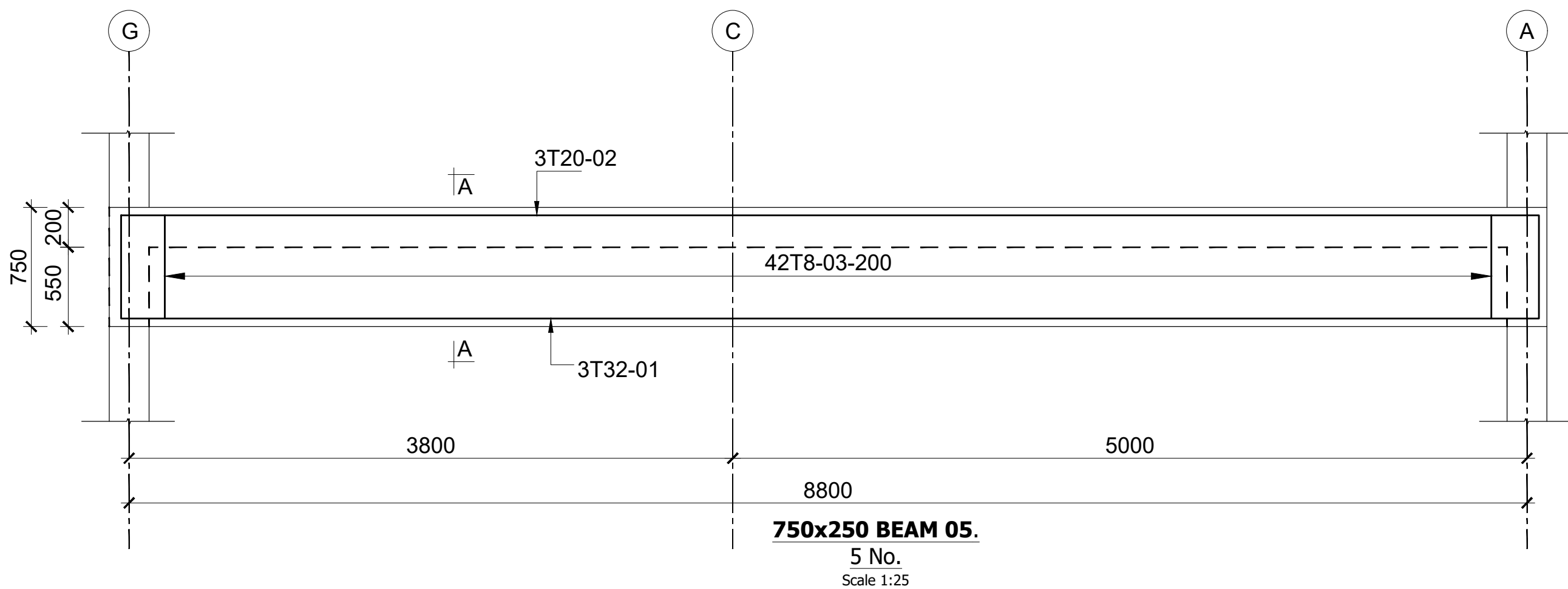
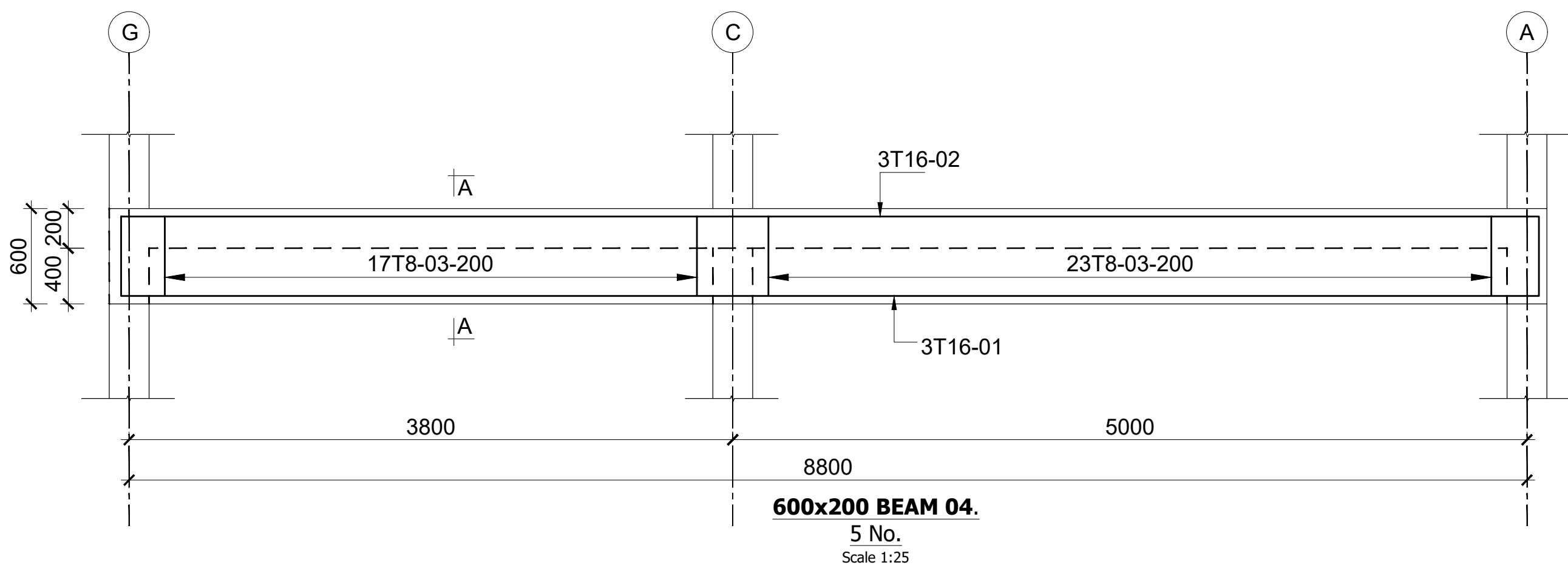
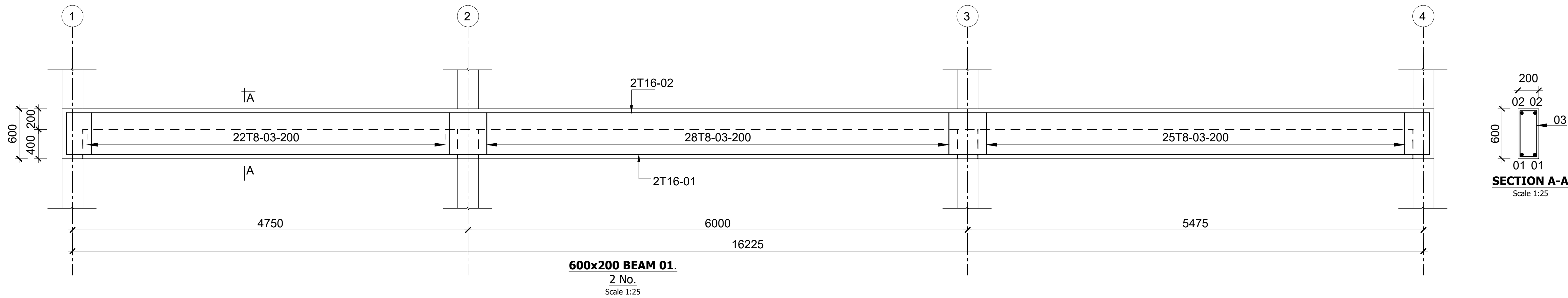
5. Maximum tolerance on concrete cover is +/- 5mm.
6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class C25 unless stated otherwise.
11. Concrete blinding to be class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

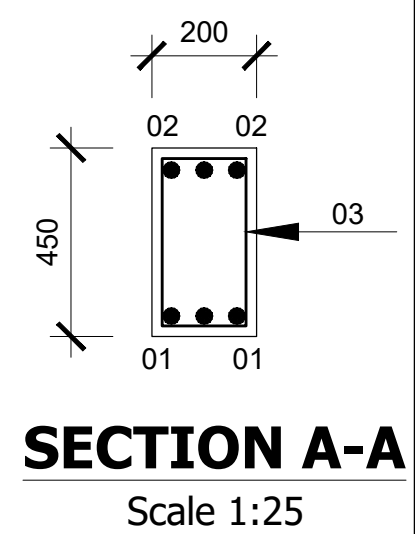
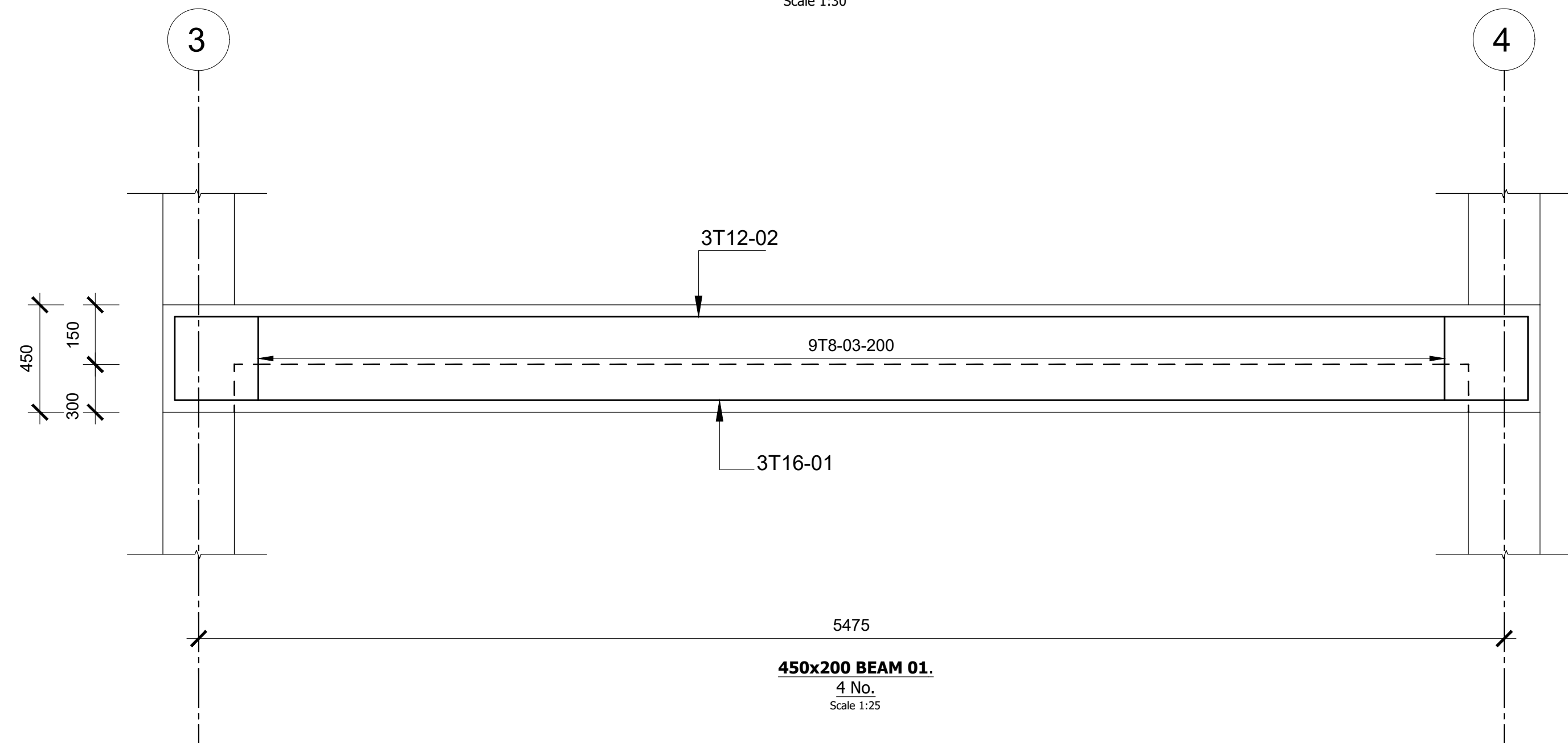
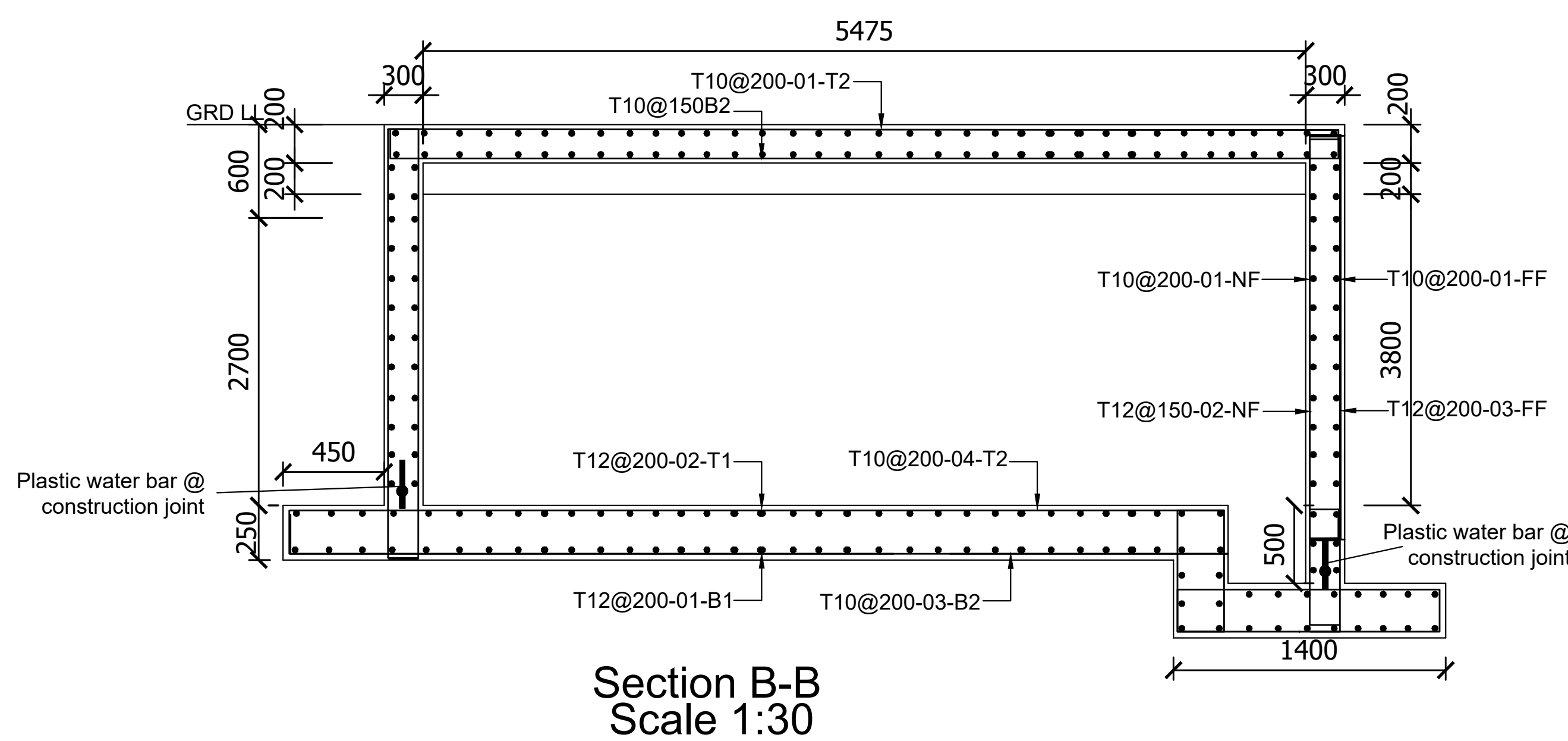
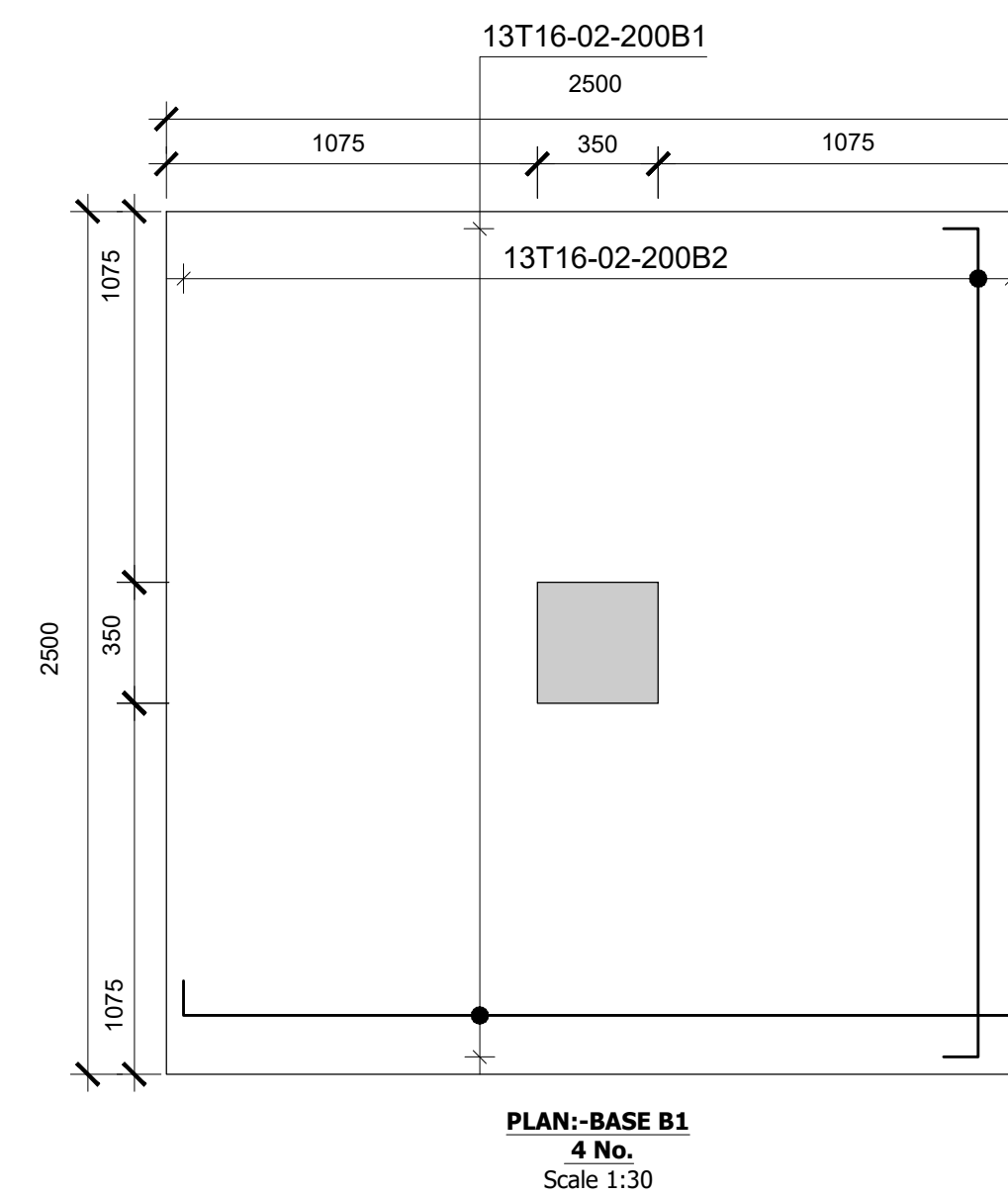
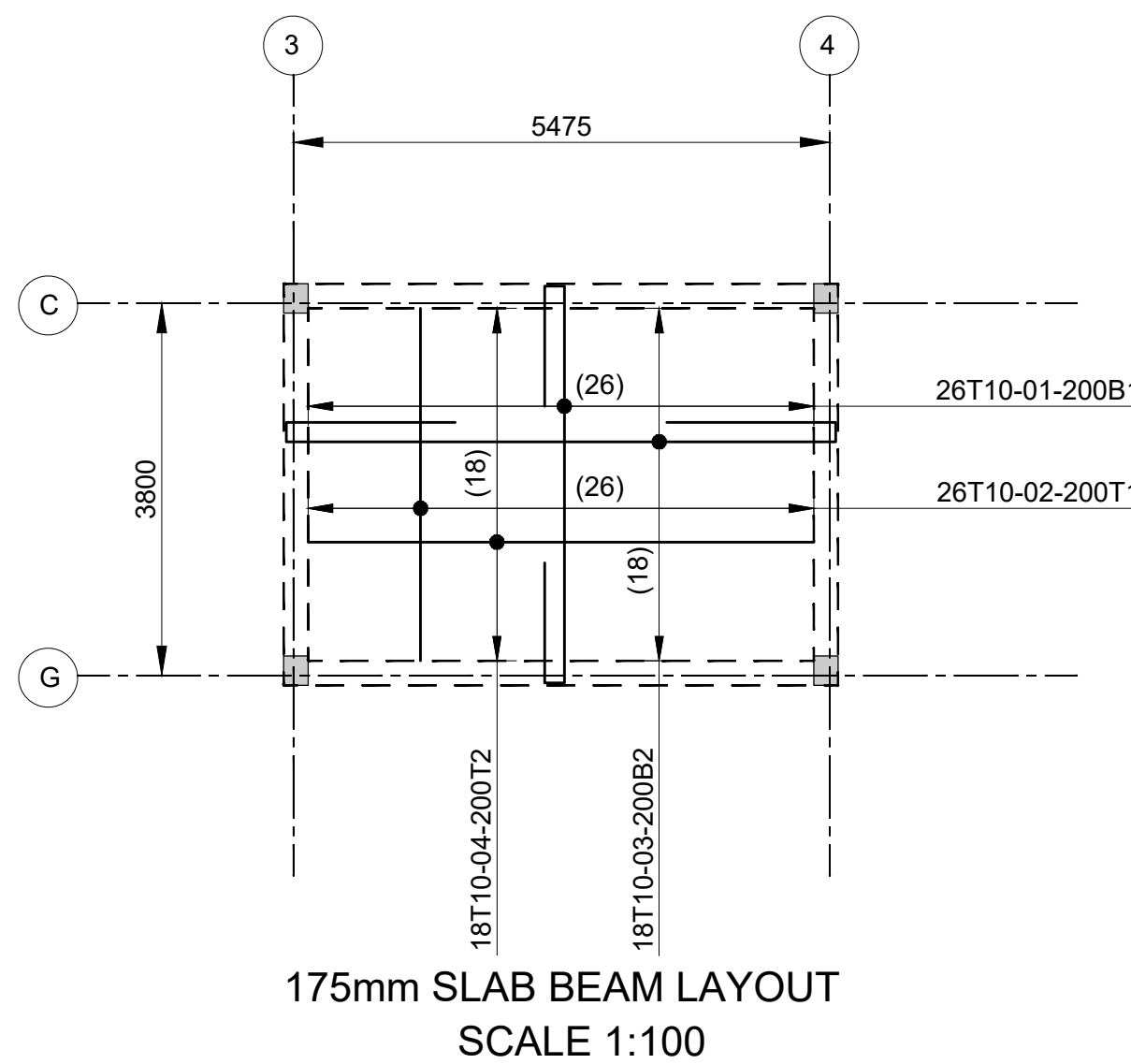
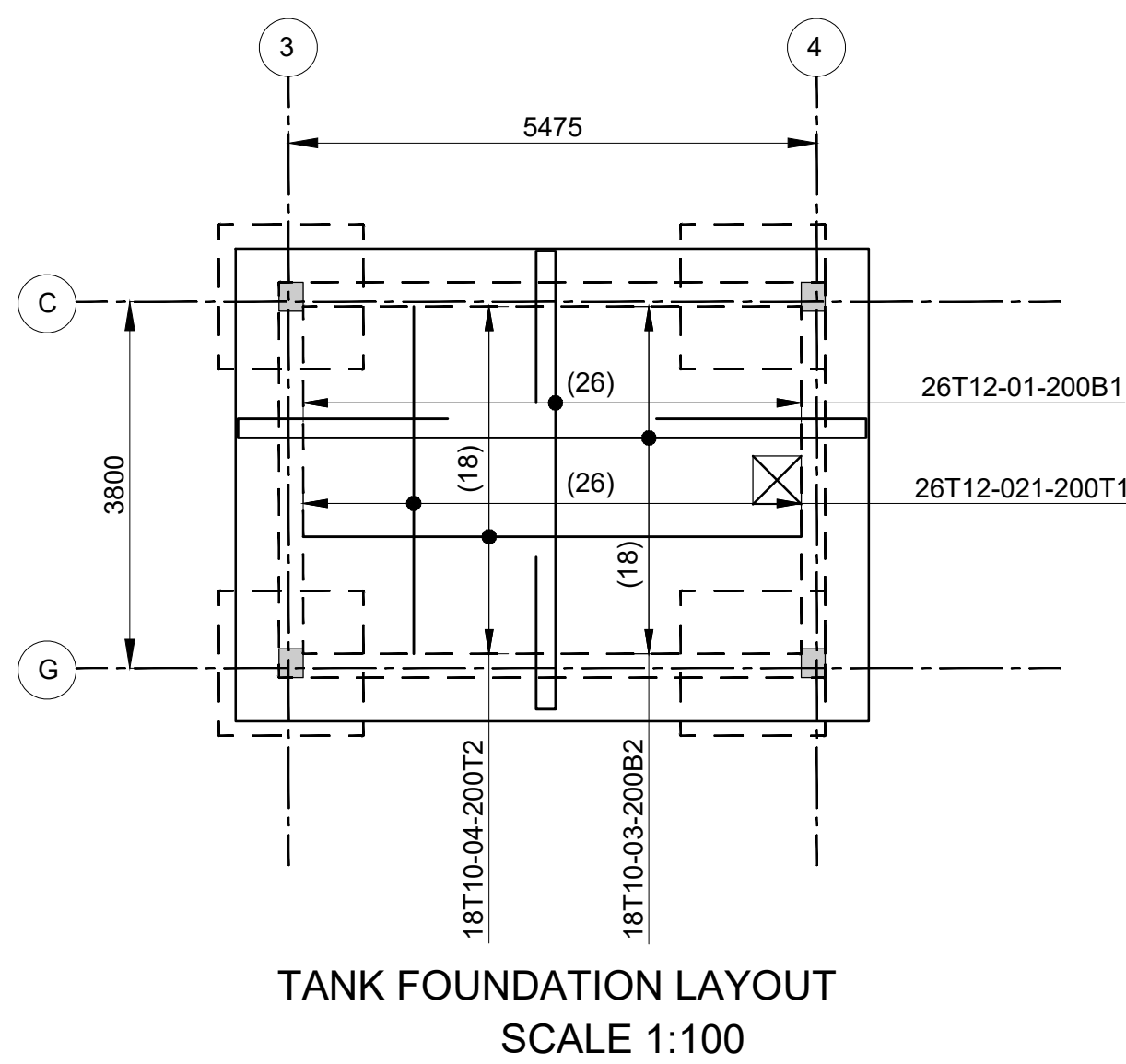
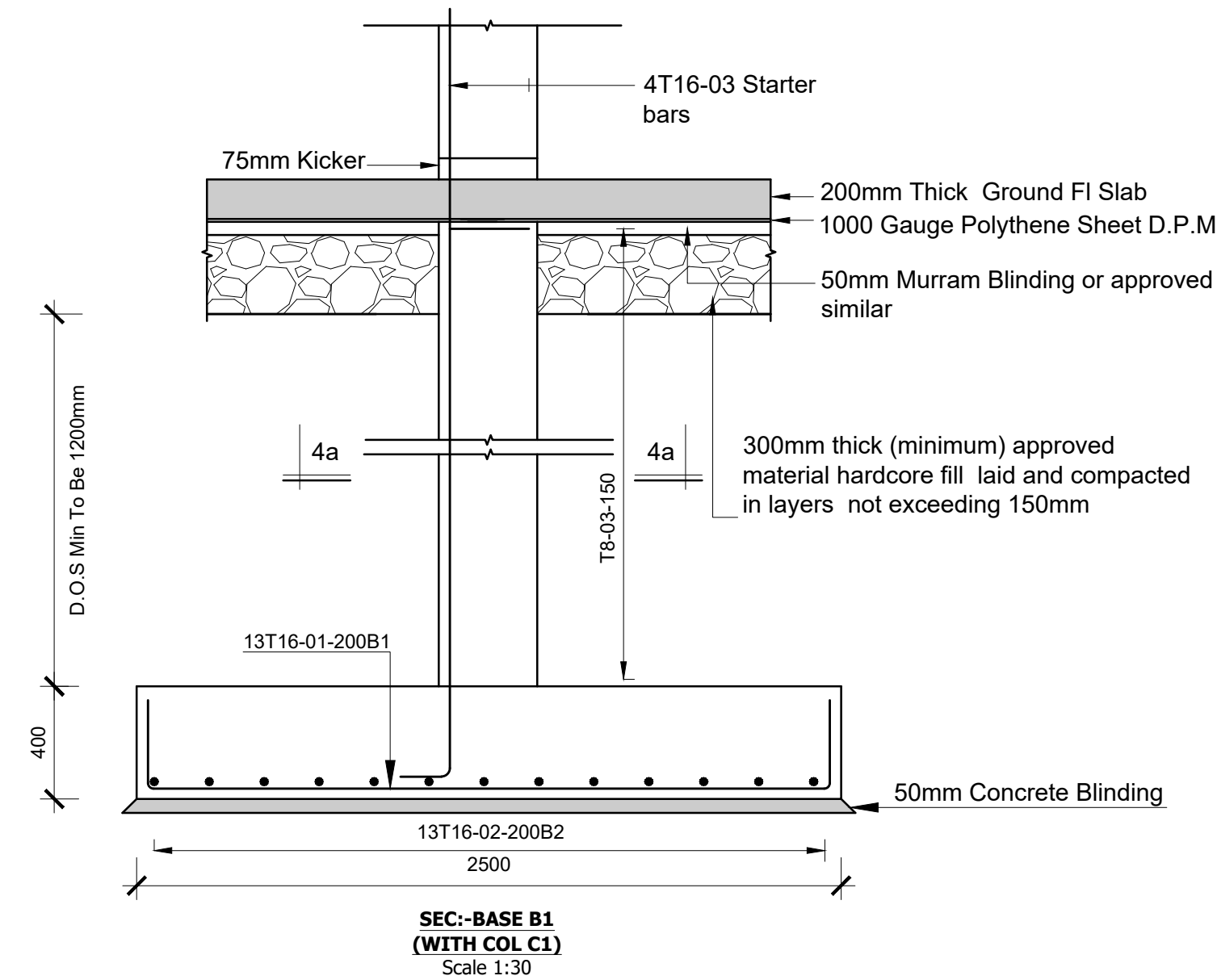
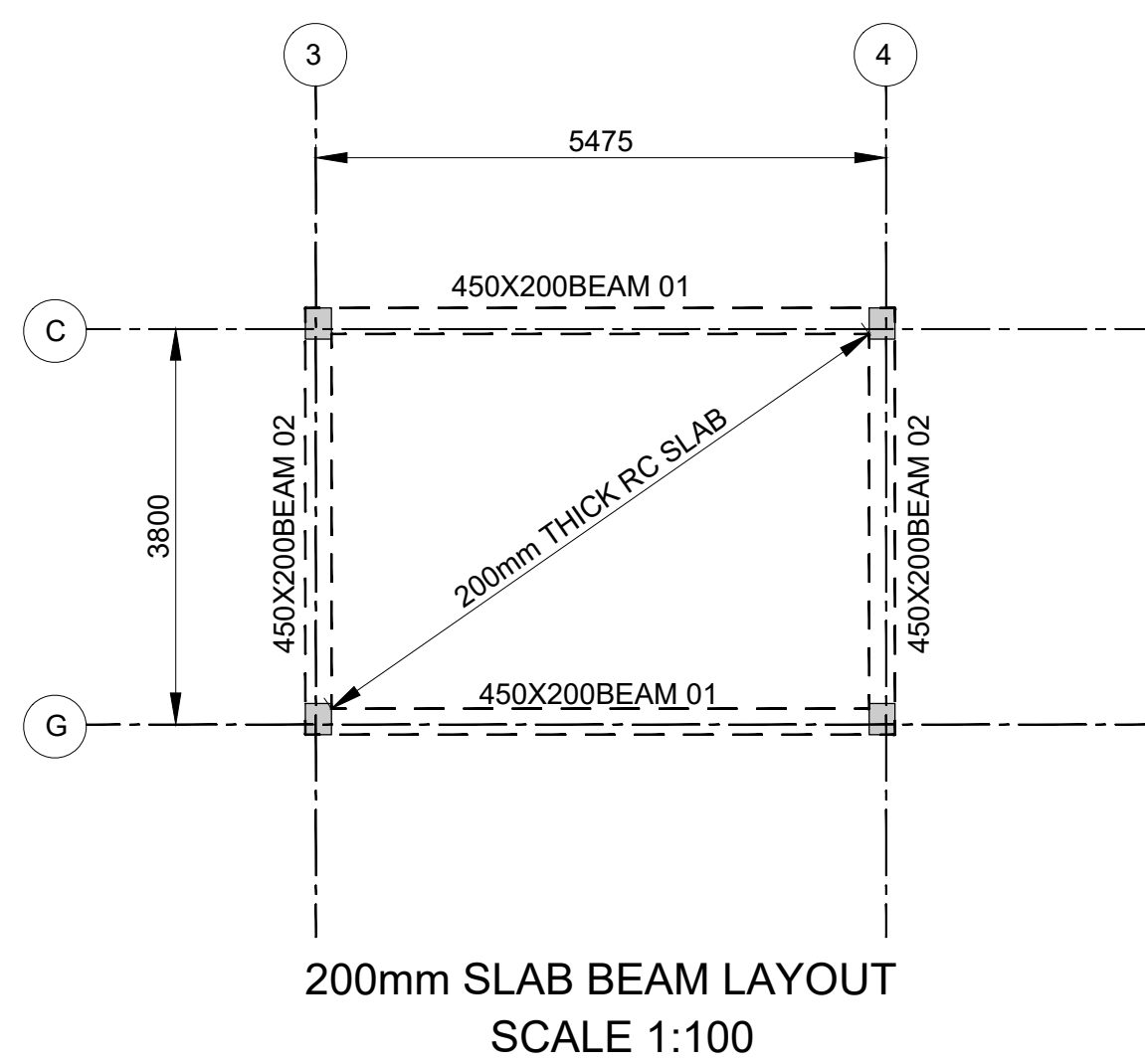
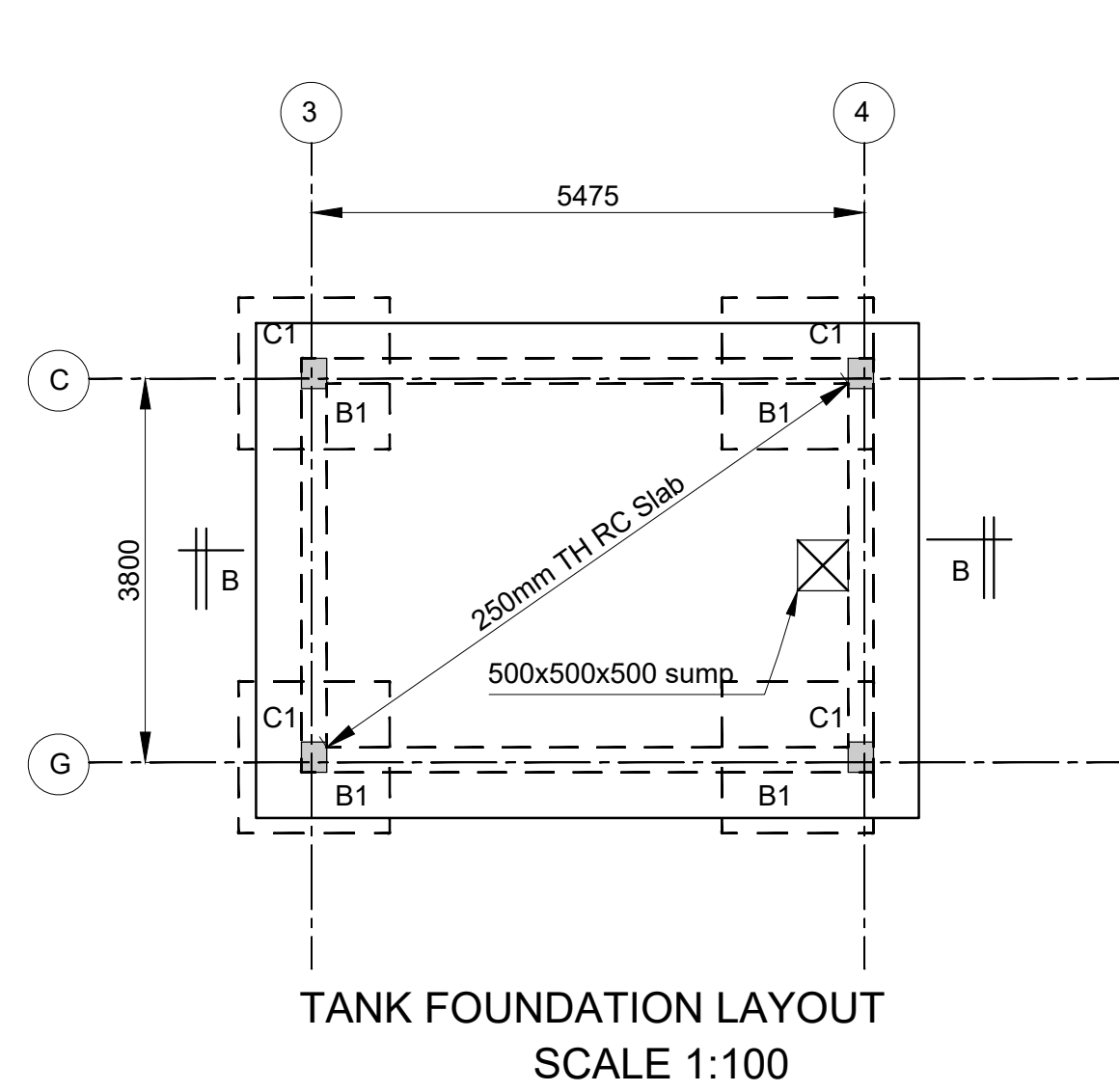
Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

**DRAWING NO. 12-002-09**



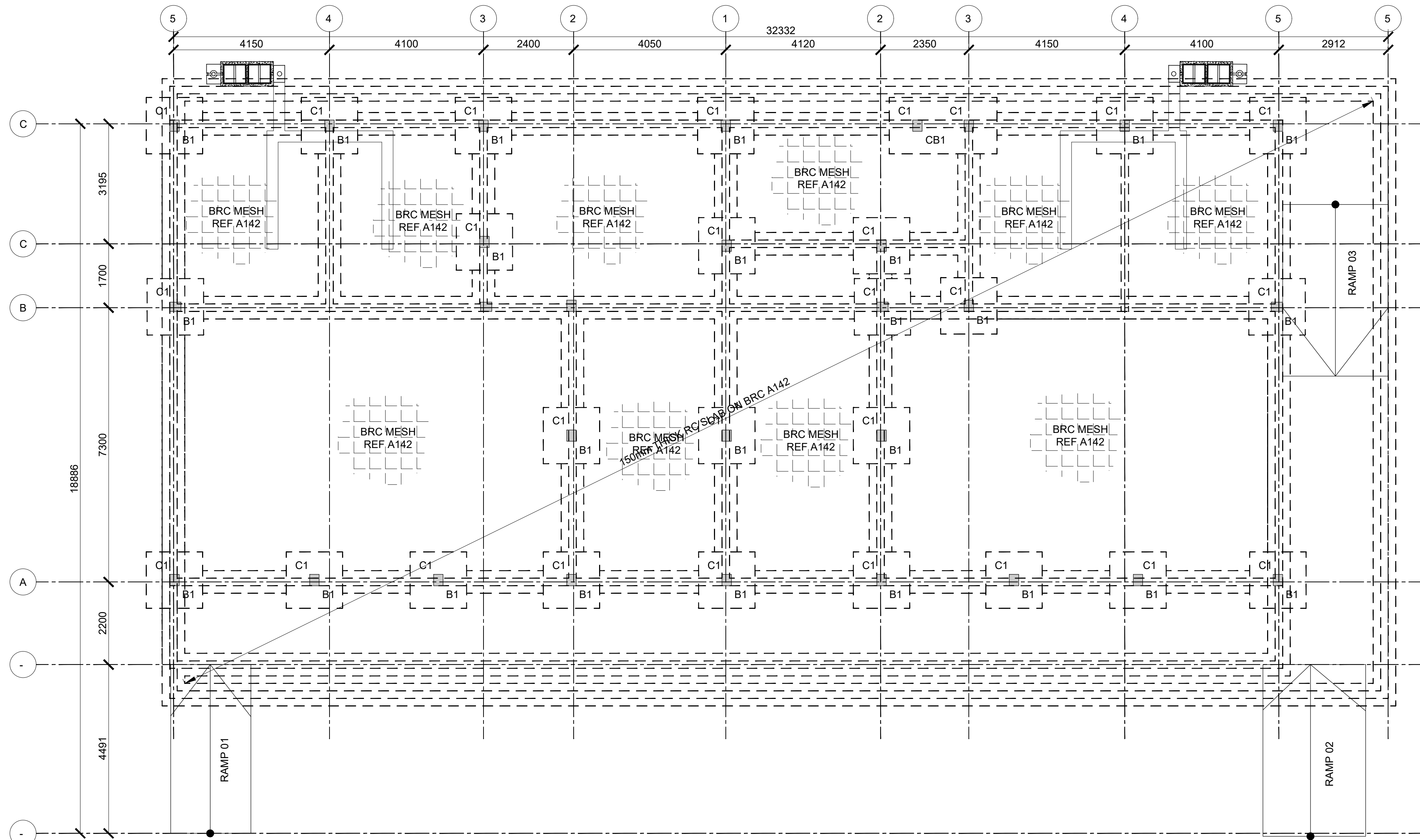




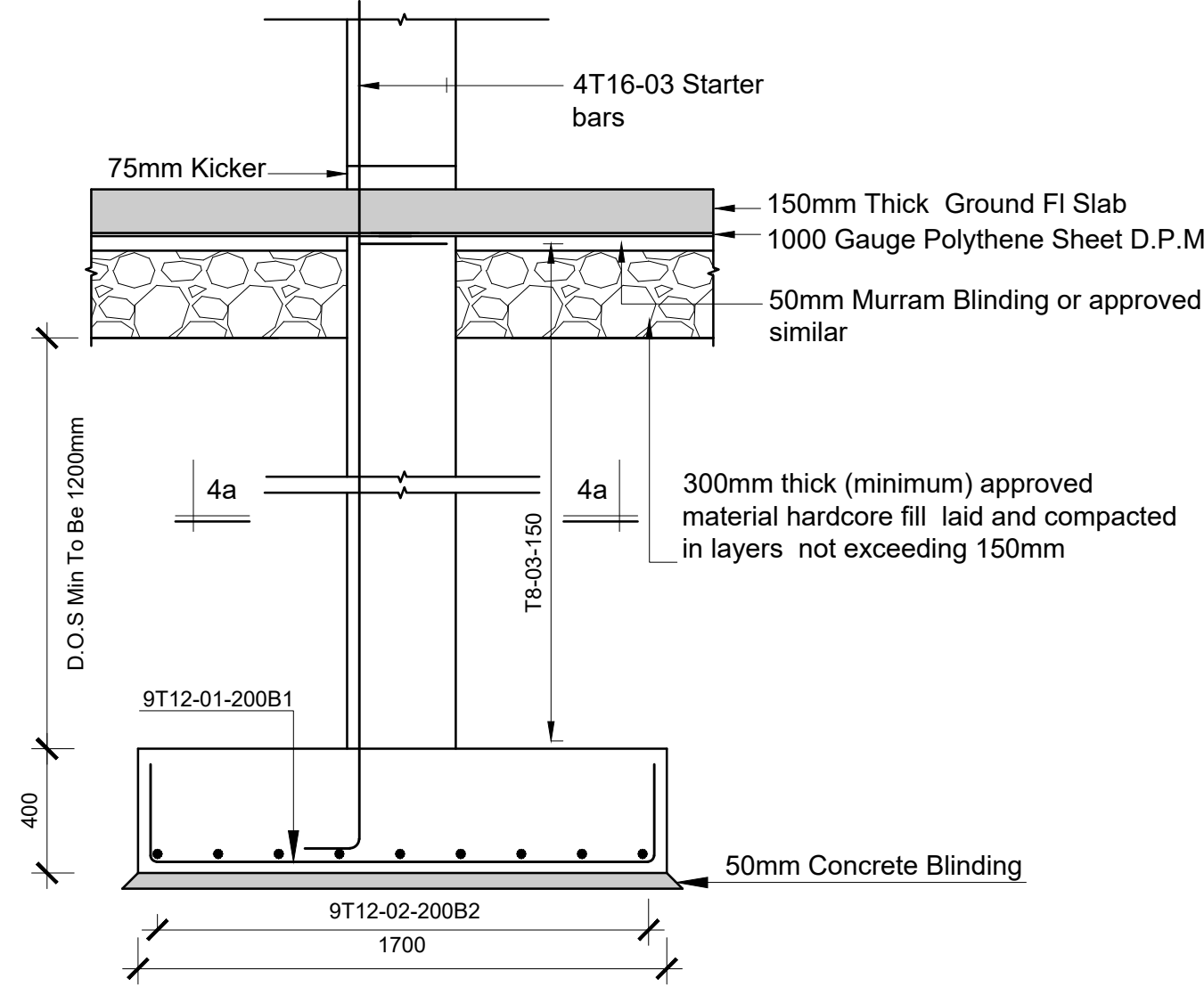


Consultant:-  <b>ARPRIM CONSORTIUM</b> P.O. Box 12969-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com	CLIENT:-  <b>STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.</b>	PROJECT:-  <b>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</b>	PROJECT TITLE:-  <b>PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.</b>	<p><b>NOTES</b></p> <p>1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.</p> <p>2. All dimensions are in millimetres unless specified otherwise.</p> <p>3. All levels are indicated in m unless specified otherwise.</p> <p>4. Minimum cover to all reinforcement to be:</p> <p>Stairs, Slabs &amp; Walls = 25mm Beams (main bars) = 25mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm</p> <p>5. Maximum tolerance on concrete cover is +/- 5mm.</p> <p>6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.</p> <p>7. Minimum laps to all bars to be 500 unless stated otherwise.</p> <p>8. Safe Bearing Pressure taken to be 250 KN/m².</p> <p>9. Nominal aggregate size to be 20mm.</p> <p>10. Structural concrete to be Class 25 unless stated otherwise.</p> <p>11. Concrete blinding to be Class 15 unless stated otherwise.</p> <p>12. Masonry Strength to be 7.0 N/mm².</p>	Designed by <b>DAN</b> Rev Description By Date	
					Drawn by <b>DAN</b> D	
					Checked by <b>HOH</b> C	
					Scale <b>AS SHOWN</b> B	
					A	
DRAWING TITLE:-  <b>UNDERGROUND WATER TANK DETAIL</b>				<div>DRAWING NO. 12-002-11</div>		

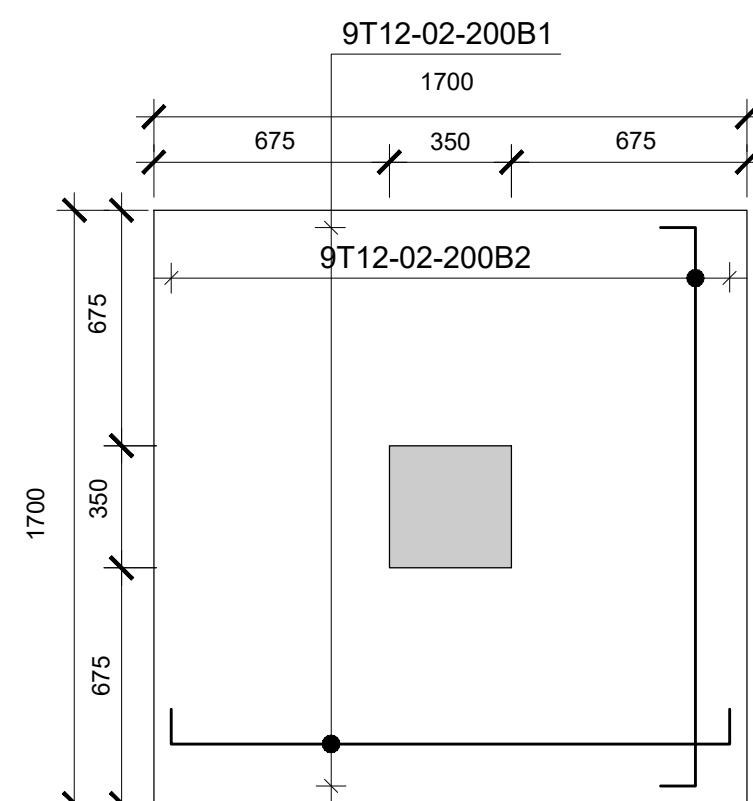




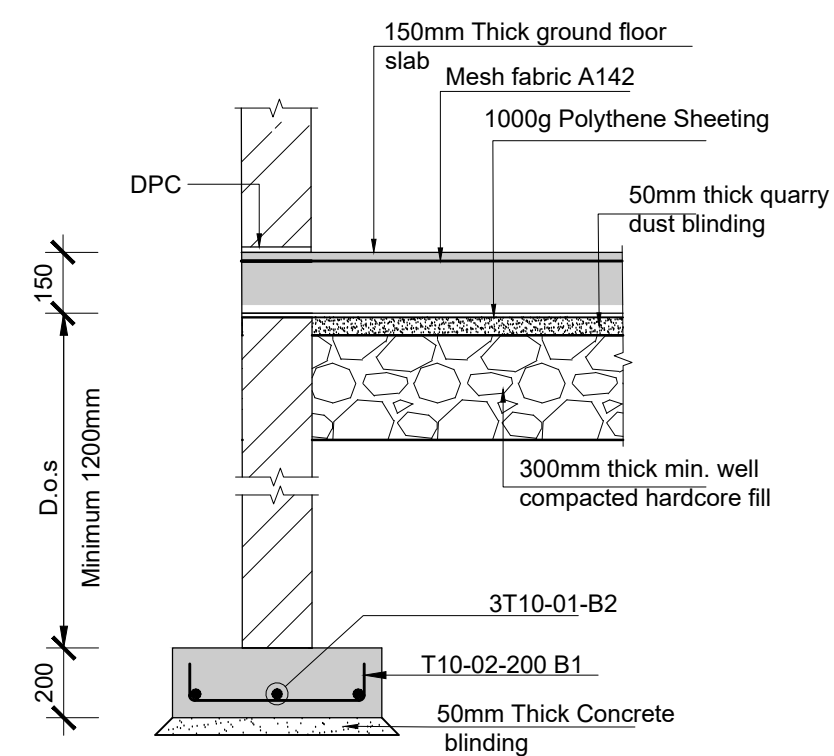
FOUNDATION/GROUND FLOOR LAYOUT  
(SCALE 1:100)



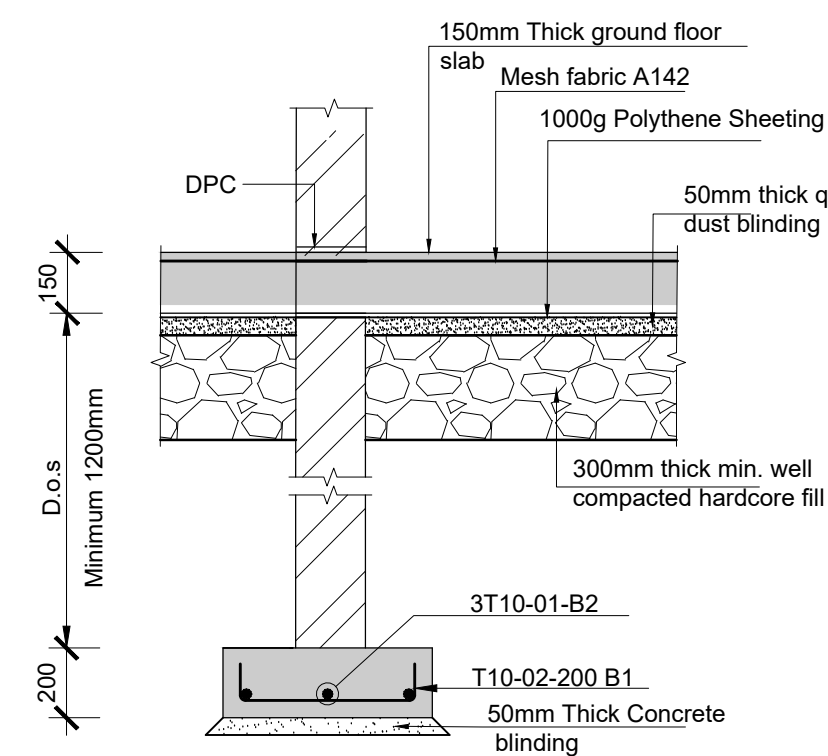
SEC-BASE B1  
(WITH COL C1)  
Scale 1:30



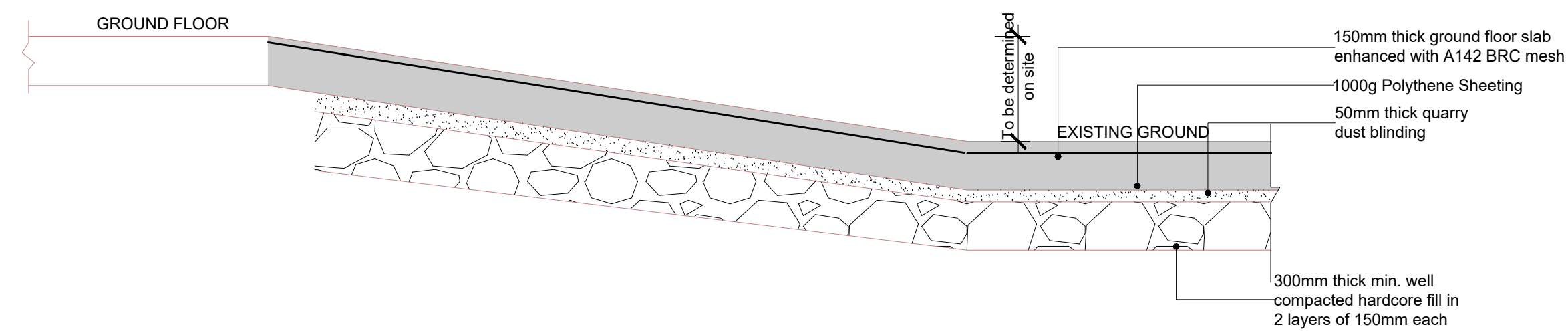
PLAN-BASE B1  
27 No.  
Scale 1:30



Section through strip footing A-A  
(External Walls)  
scale 1:25



Section through strip footing B-B  
(Internal Walls)  
scale 1:25



SECTION THROUGH RAMP (1 IN 12)  
(SCALE 1 : 25)

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**RESTAURANT BUILDING - FOUNDATION LAYOUT AND DETAIL**

#### NOTES

- Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
- All dimensions are in millimetres unless specified otherwise.
- All levels are indicated in m unless specified otherwise.
- Minimum cover to all reinforcement to be:

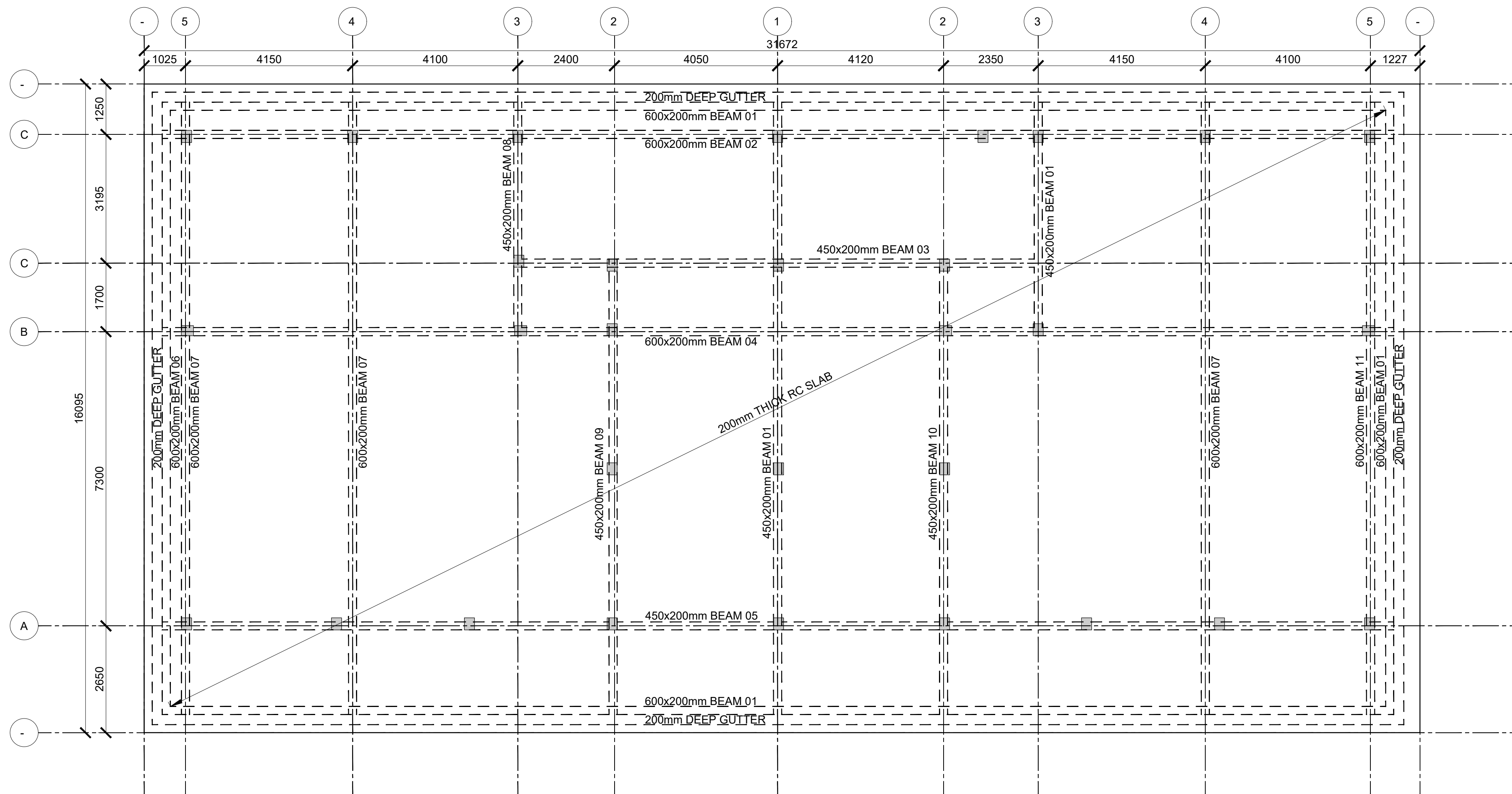
- Stairs, Slabs & Walls = 35mm
- Beams (main bars) = 35mm
- Post-tensioned beams = 40mm
- Columns (main bars) = 40mm
- Foundations = 75mm
- Maximum tolerance on concrete cover is +/- 5mm.
- All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
- Minimum laps to all bars to be 500 unless stated otherwise.

- Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
- Nominal aggregate size to be 20mm.
- Structural concrete to be Class 25 unless stated otherwise.
- Concrete blinding to be class 15 unless stated otherwise.
- Masonry Strength to be 7.0 N/mm<sup>2</sup>.

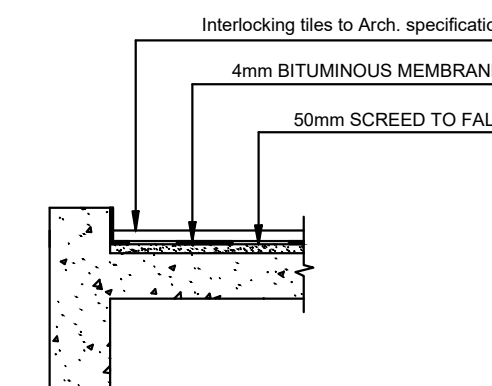
Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

DRAWING NO. 12-002-12

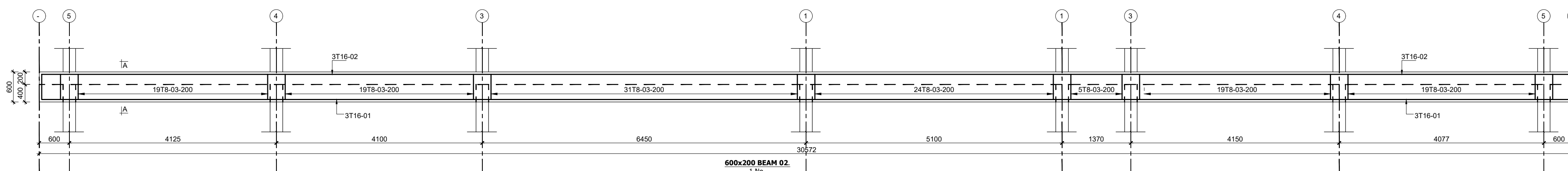




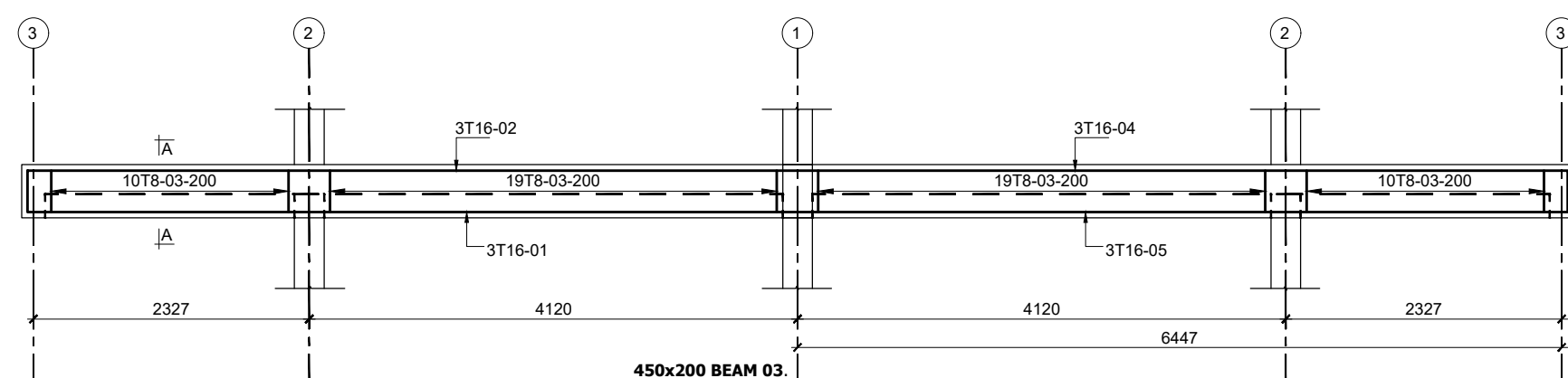
ROOF LAYOUT  
(SCALE 1:100)



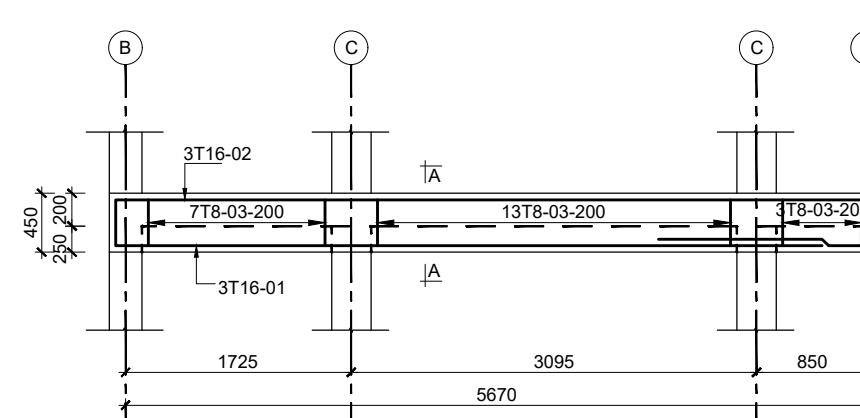
TYPICAL ROOF SLAB  
W/POOFING DETAIL



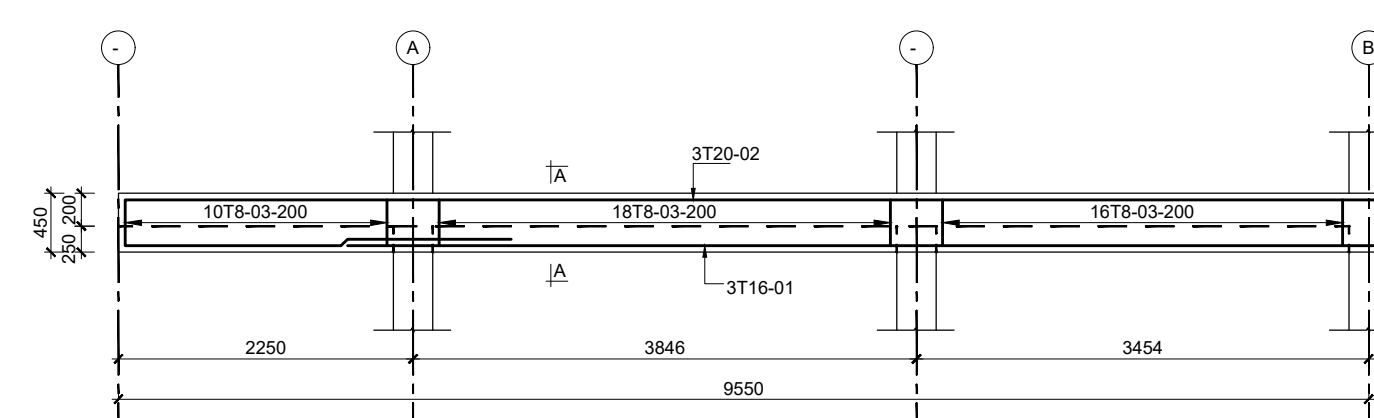
SECTION A-A  
Scale 1:25



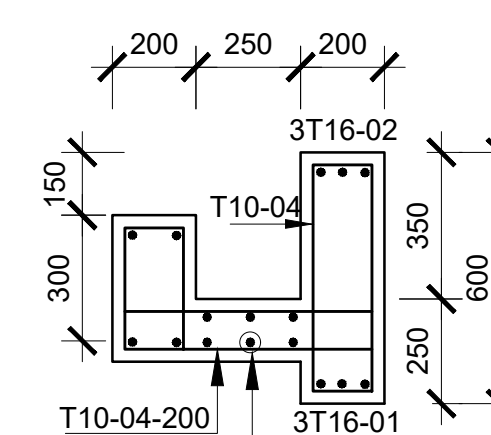
SECTION A-A  
Scale 1:25



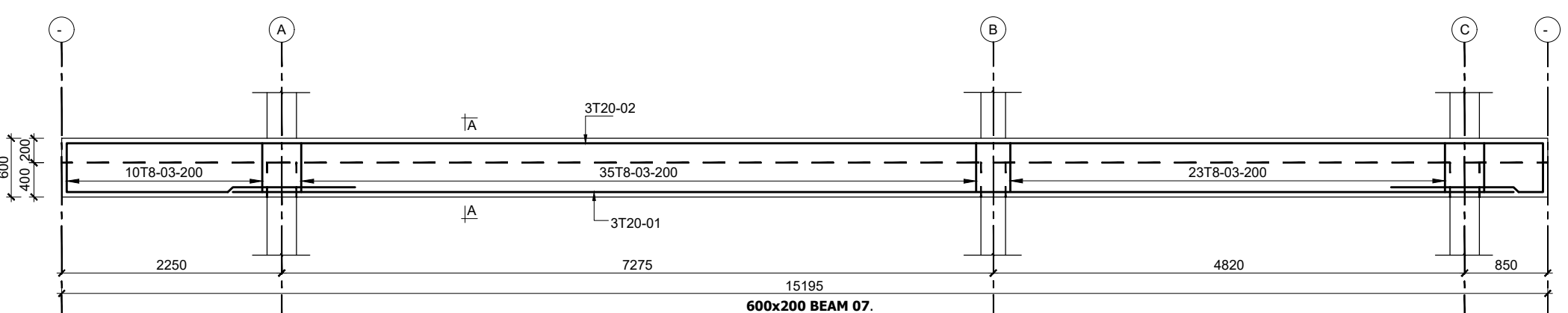
SECTION A-A  
Scale 1:25



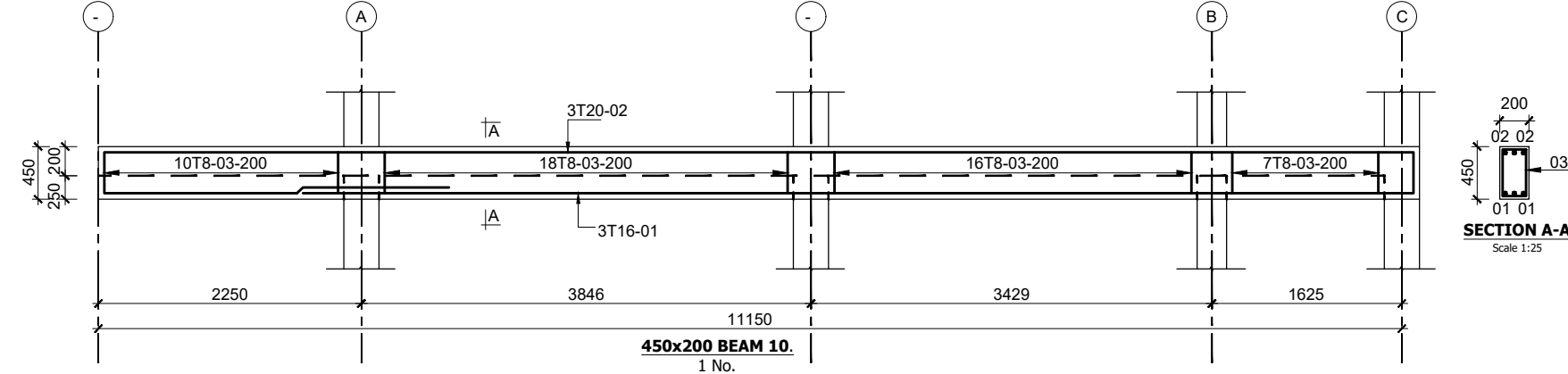
SECTION A-A  
Scale 1:25



GUTTER SECTION  
(SCALE 1:25)



SECTION A-A  
Scale 1:25



SECTION A-A  
Scale 1:25

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**RESTAURANT BUILDING - ROOF LAYOUT, GUTTER AND BEAM  
DETAIL**

#### NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

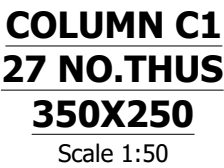
- Stairs, Slabs & Walls = 35mm
- Beams (main bars) = 35mm
- Post-tensioned beams = 40mm
- Columns (main bars) = 40mm
- Foundations = 75mm
- 5. Maximum tolerance on concrete cover is +/- 5mm.
- 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
- 7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

DRAWING NO. 12-002-13

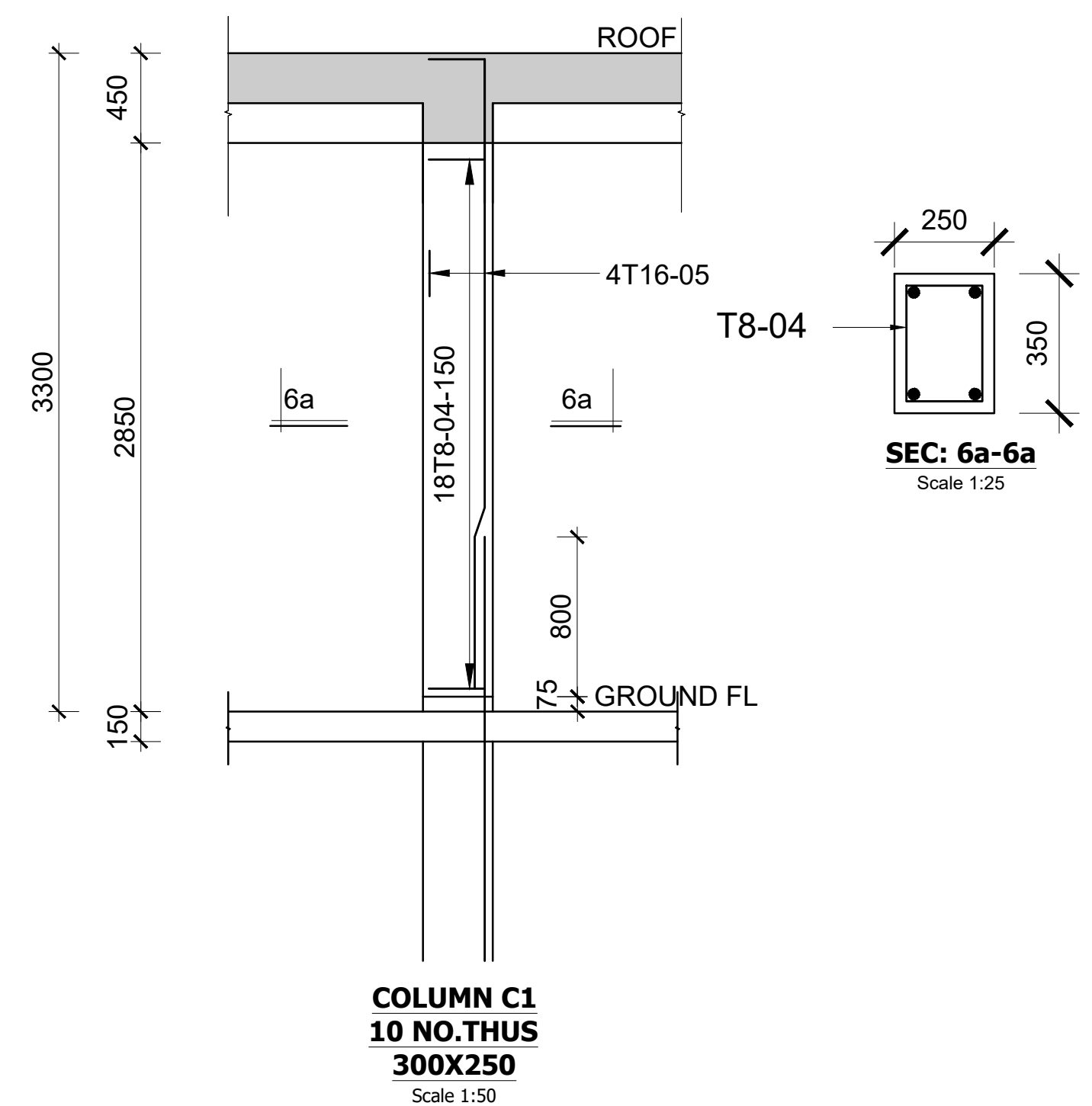
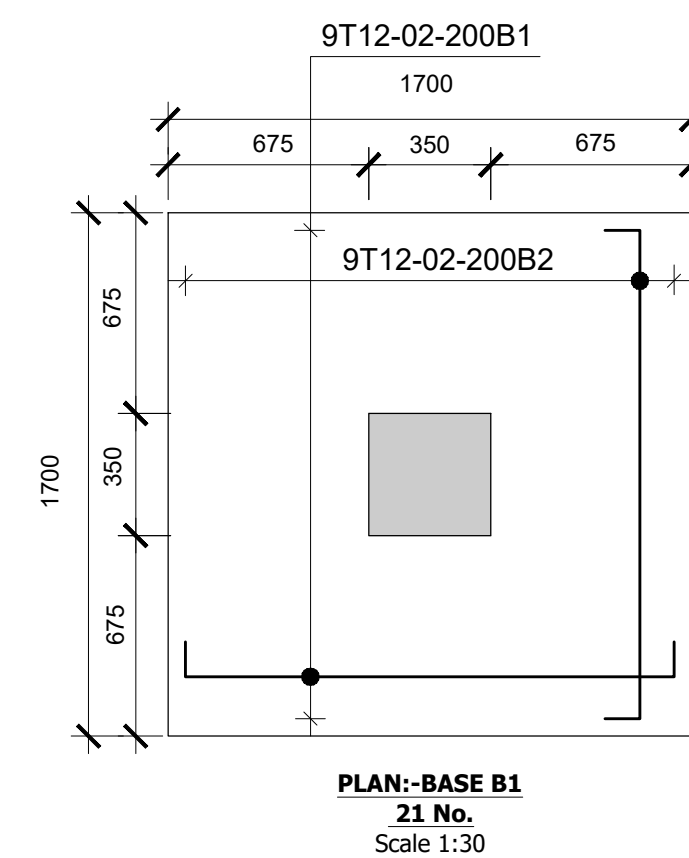
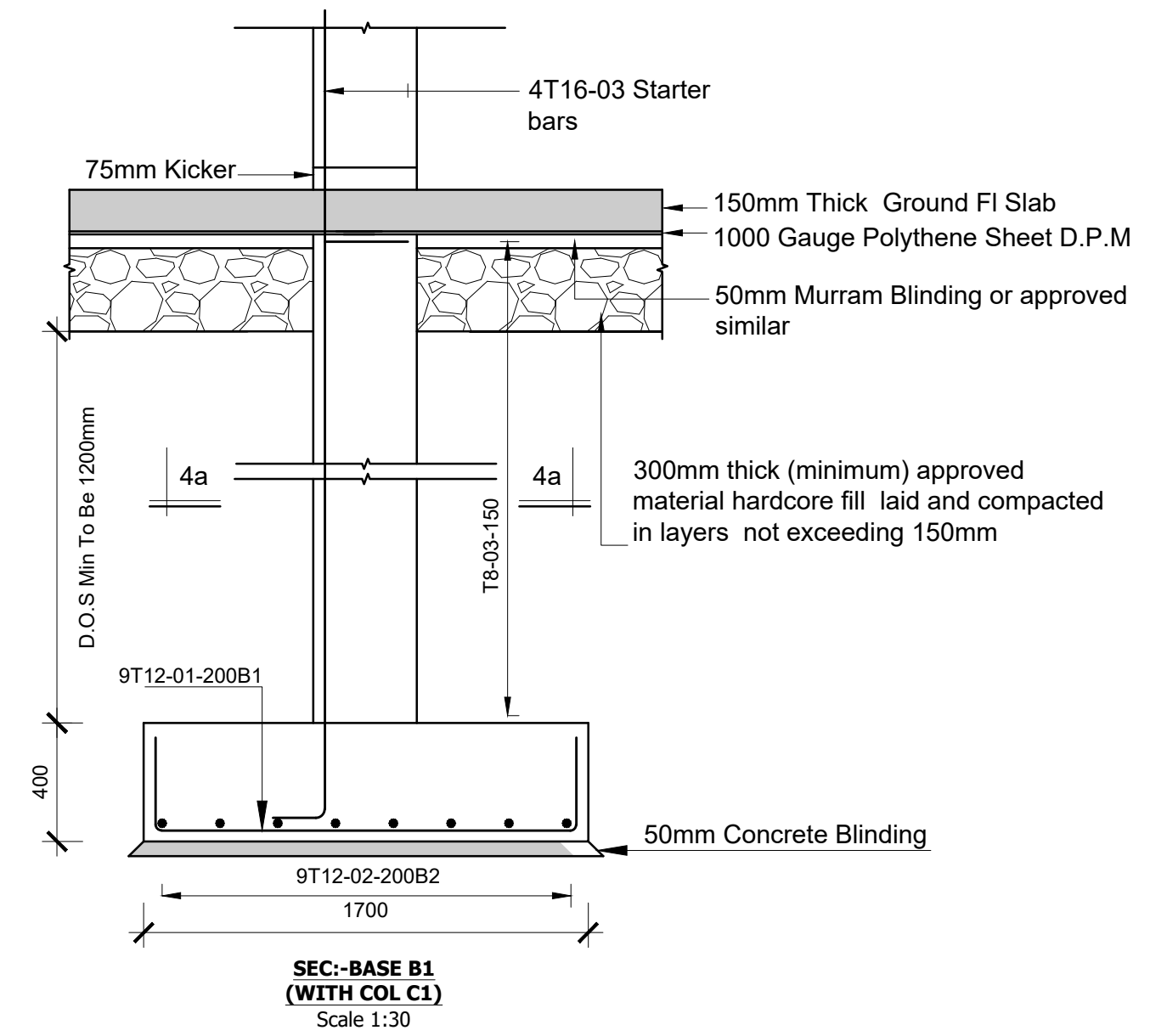




Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

**DRAWING NO. 12-002-14**

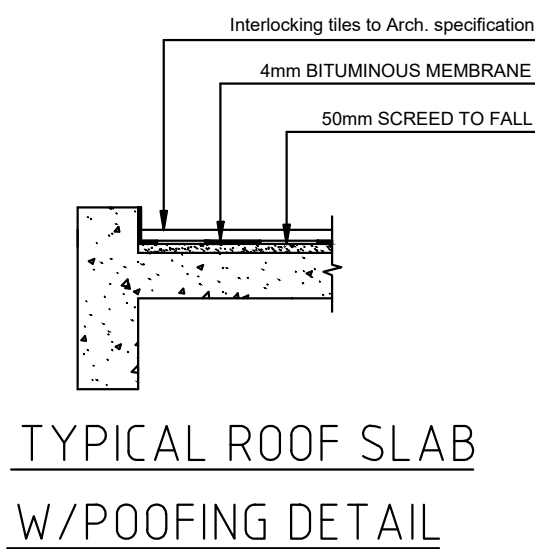
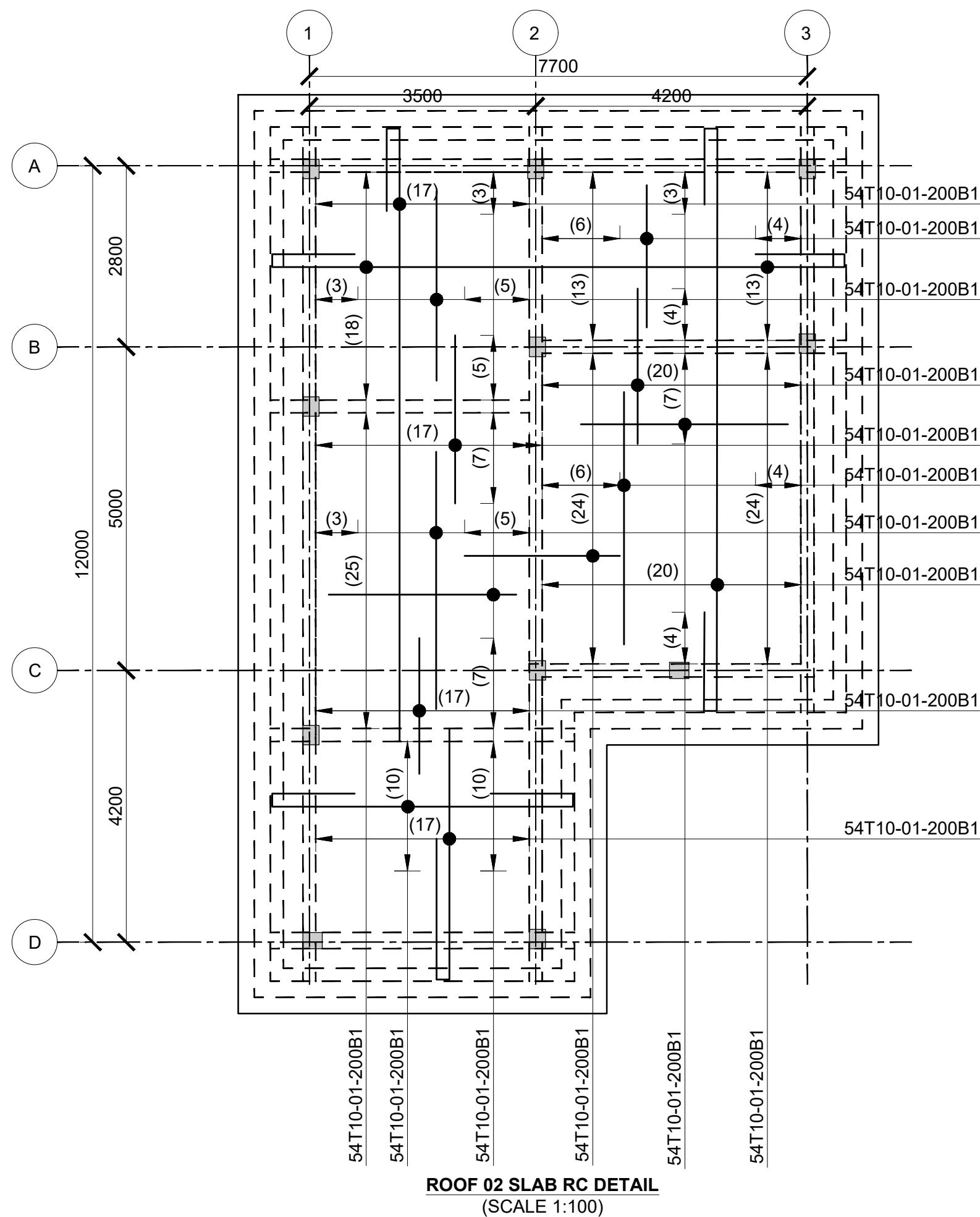
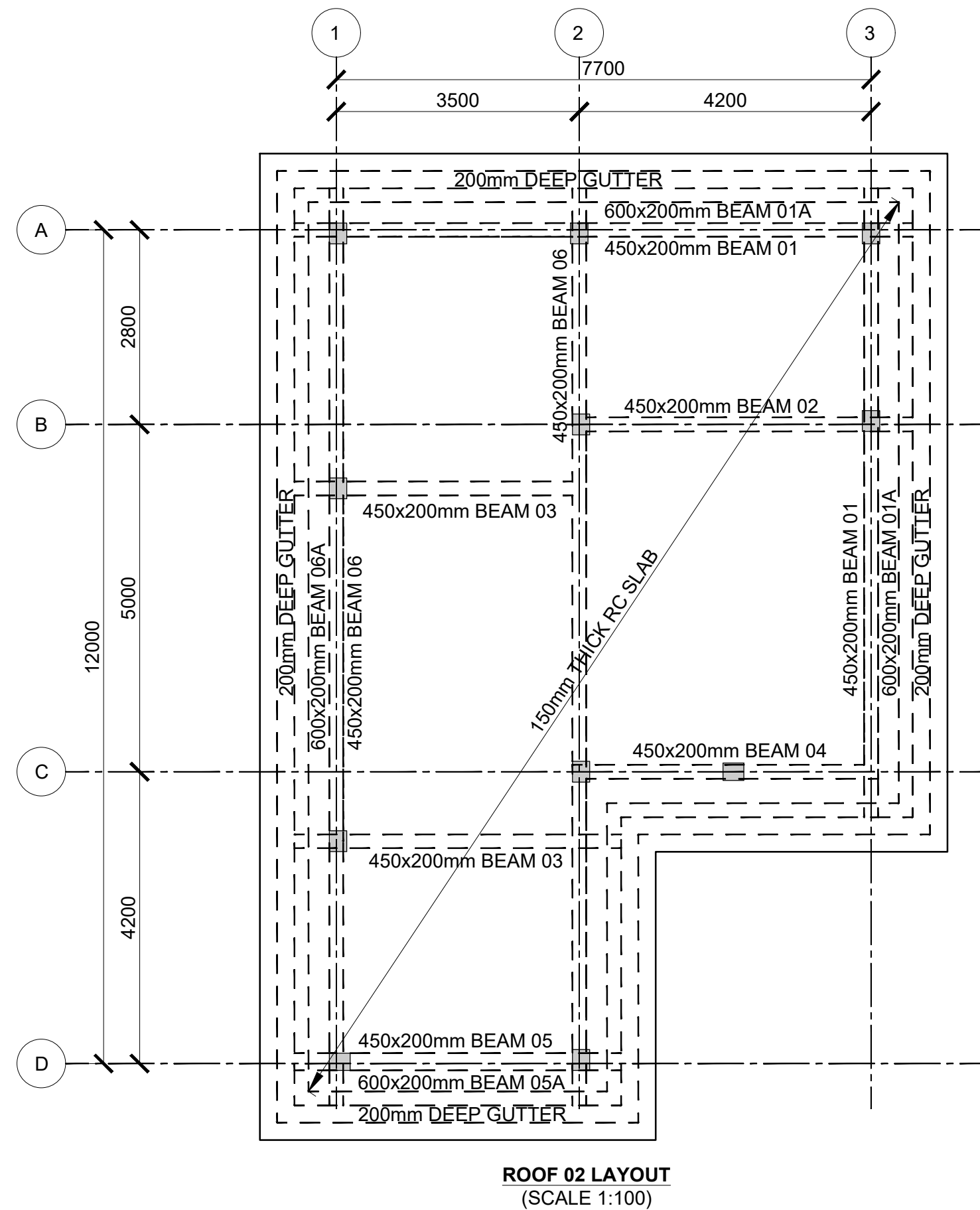
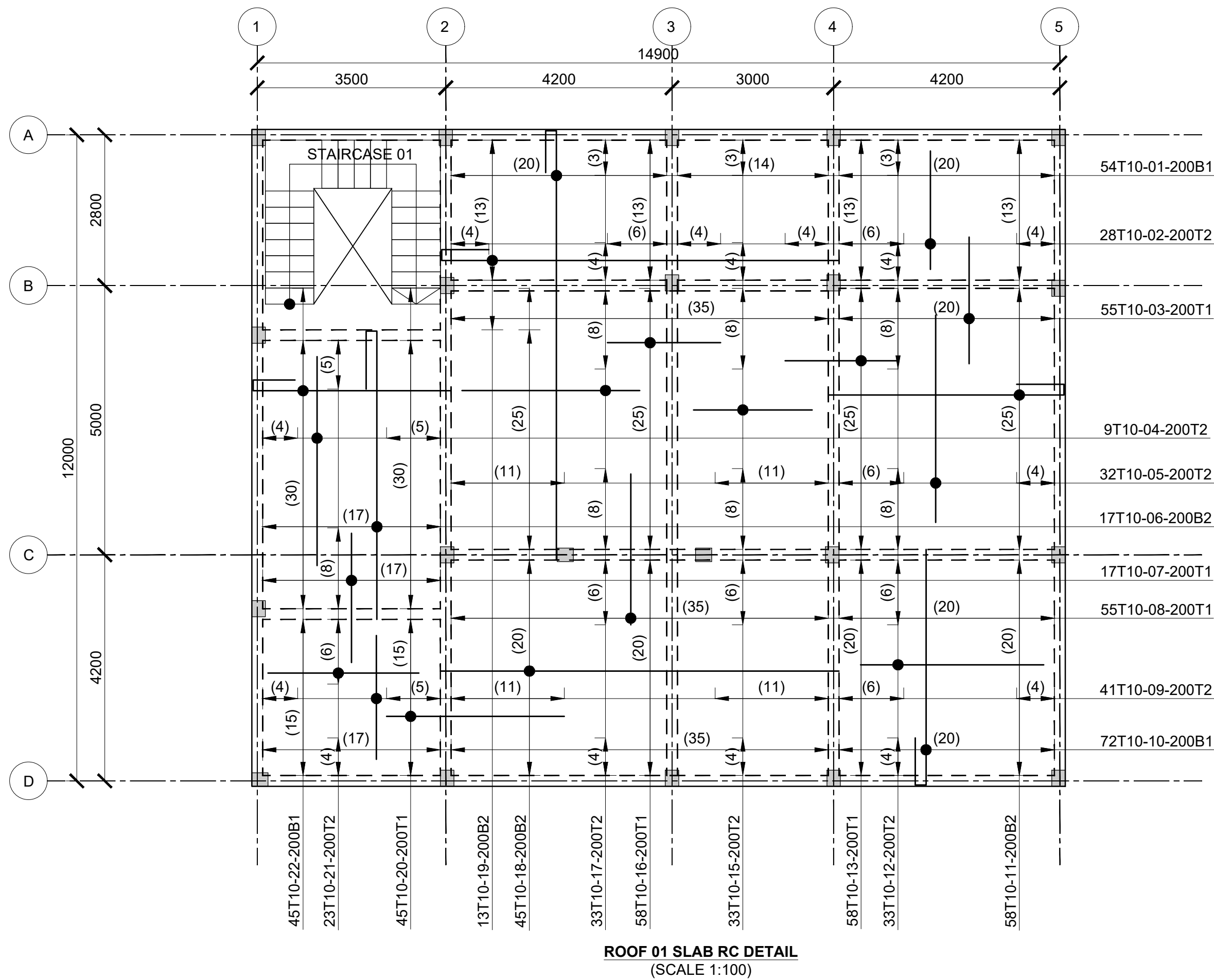
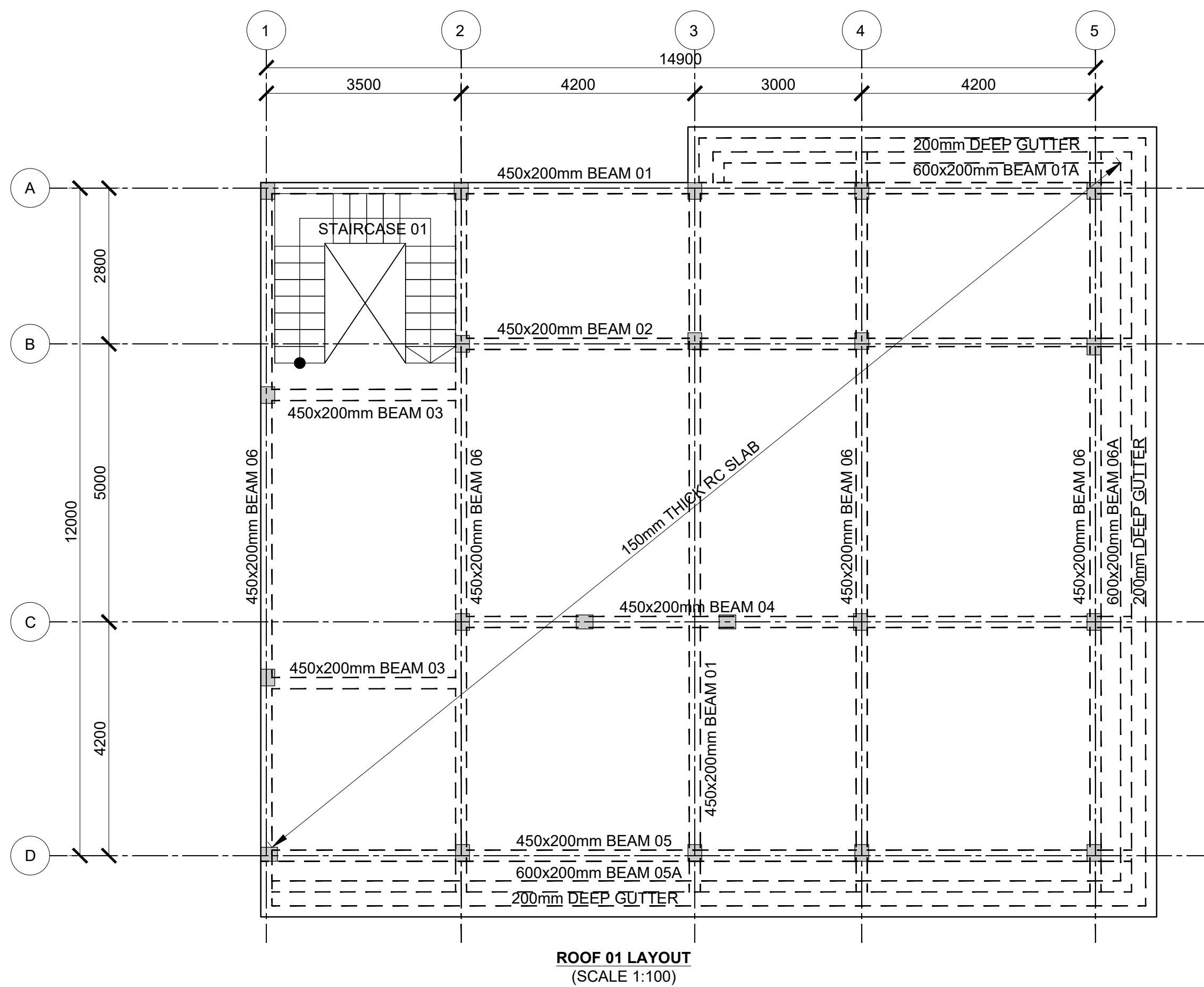




Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

**DRAWING NO. 12-002-15**

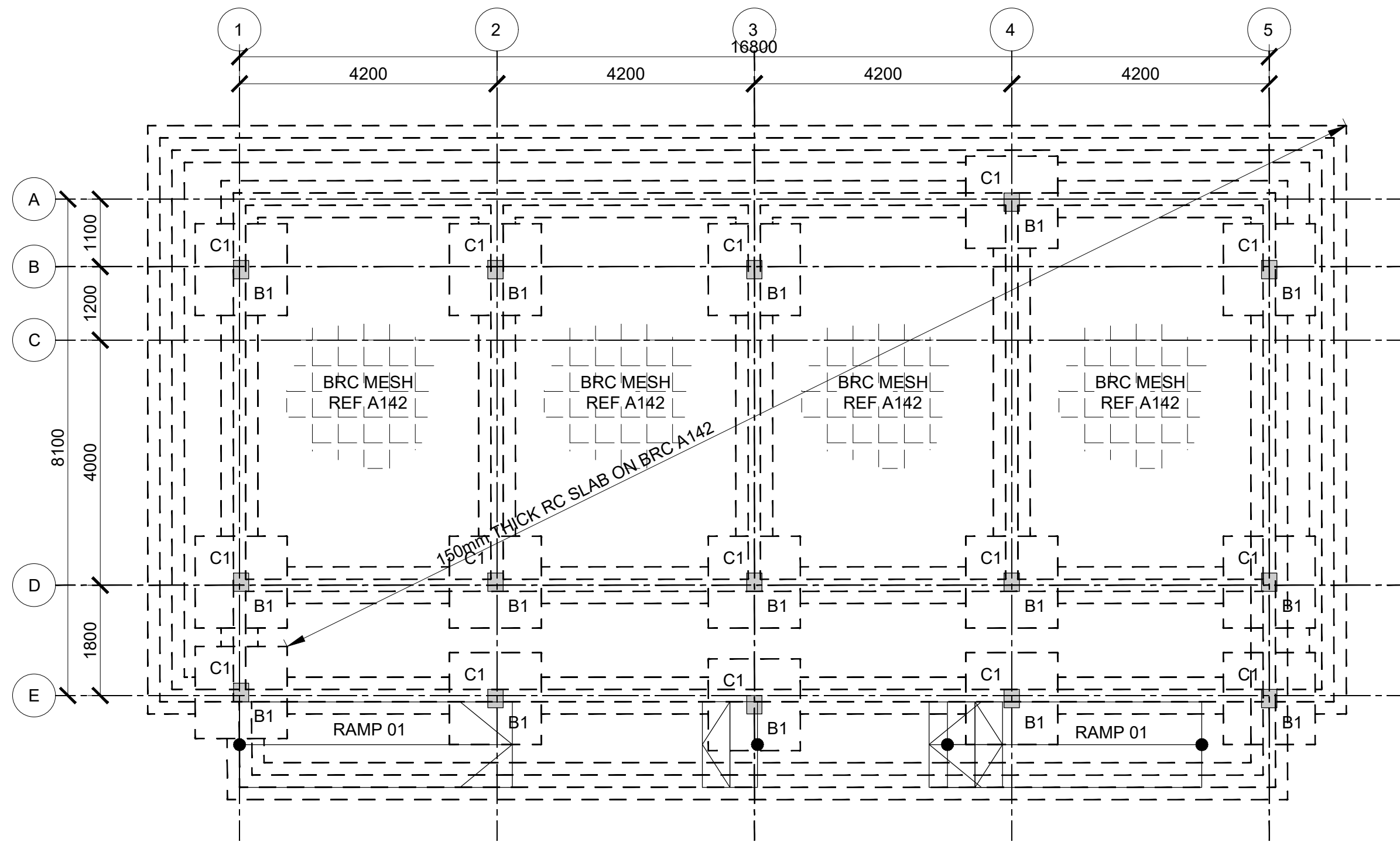




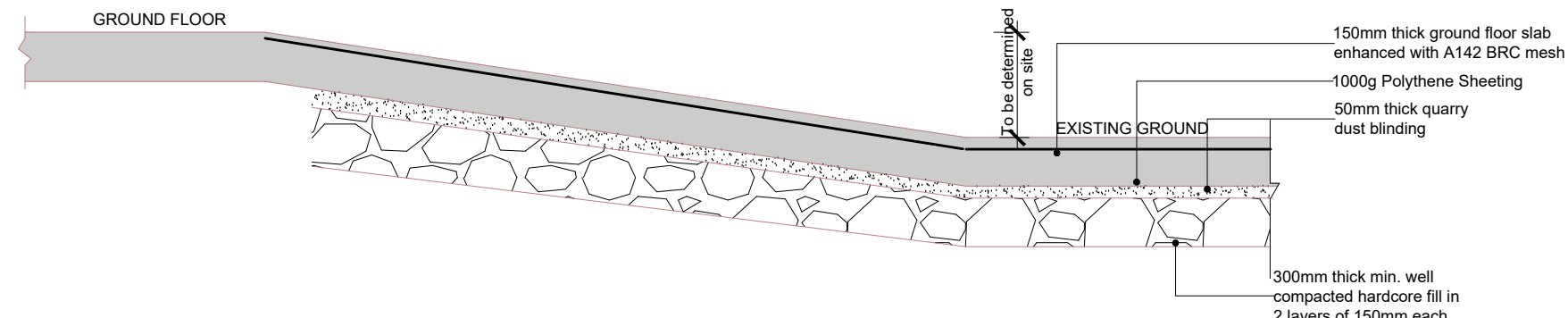
<div>Consultant:-</div> <div>ARPRIM CONSORTIUM</div> <div>P.O. Box 12969-00100,</div> <div>Nairobi, KENYA.</div> <div>Tel: 02 608 906</div> <div>Fax: 02 608 907</div> <div>E-mail: info@arprimconsultants.com</div>	<div>CLIENT:-</div> <div>STATE DEPARTMENT FOR FISHERIES,</div> <div>AQUACULTURE AND THE BLUE ECONOMY.</div>	<div>PROJECT:-</div> <div>PROPOSED KENYA MARINE FISHERIES AND</div> <div>SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL</div> <div>AND COUNTY FISHERIES INFRASTRUCTURE.</div>	<div>PROJECT TITLE:-</div> <div>PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.</div>	<div>NOTES</div> <div>1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.</div> <div>2. All dimensions are in millimetres unless specified otherwise.</div> <div>3. All levels are indicated in m unless specified otherwise.</div> <div>4. Minimum cover to all reinforcement to be:</div> <div>Stairs, Slabs &amp; Walls = 35mm</div> <div>Beams (main bars) = 35mm</div> <div>Post-tensioned beams = 40mm</div> <div>Columns (main bars) = 50mm</div> <div>Foundations = 75mm</div> <div>5. Maximum tolerance on concrete cover is +/- 5mm.</div> <div>6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.</div> <div>7. Minimum laps to all bars to be 500 unless stated otherwise.</div> <div>8. Safe Bearing Pressure taken to be 250 KN/m².</div> <div>9. Nominal aggregate size to be 20mm.</div> <div>10. Structural concrete to be Class 25 unless stated otherwise.</div> <div>11. Concrete blinding to be Class 15 unless stated otherwise.</div> <div>12. Masonry Strength to be 7.0 N/mm².</div>	<div>Designed by</div> <div>DAN</div>	Rev	Description	By	Date
					<div>Drawn by</div> <div>DAN</div>	D			
					<div>Checked by</div> <div>HOH</div>	C			
					<div>Scale</div> <div>AS SHOWN</div>	B			
						A			

DRAWING NO. 12-002-16

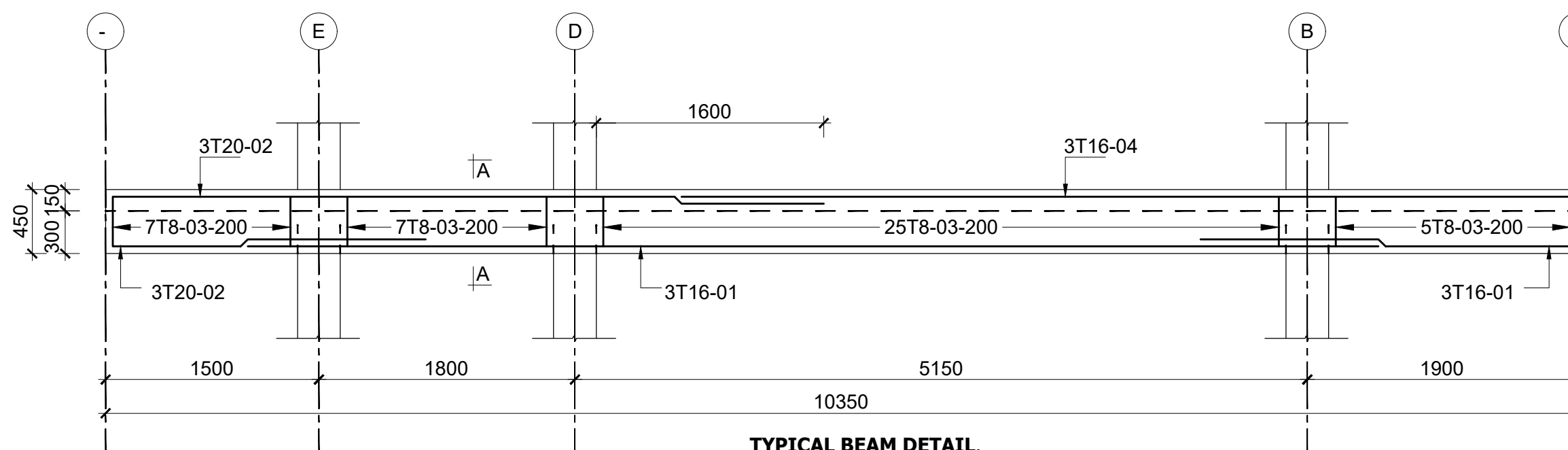




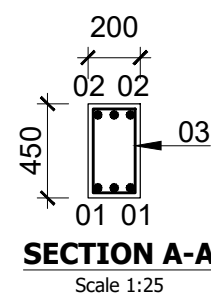
FOUNDATION/GROUND FLOOR LAYOUT  
(SCALE 1:100)



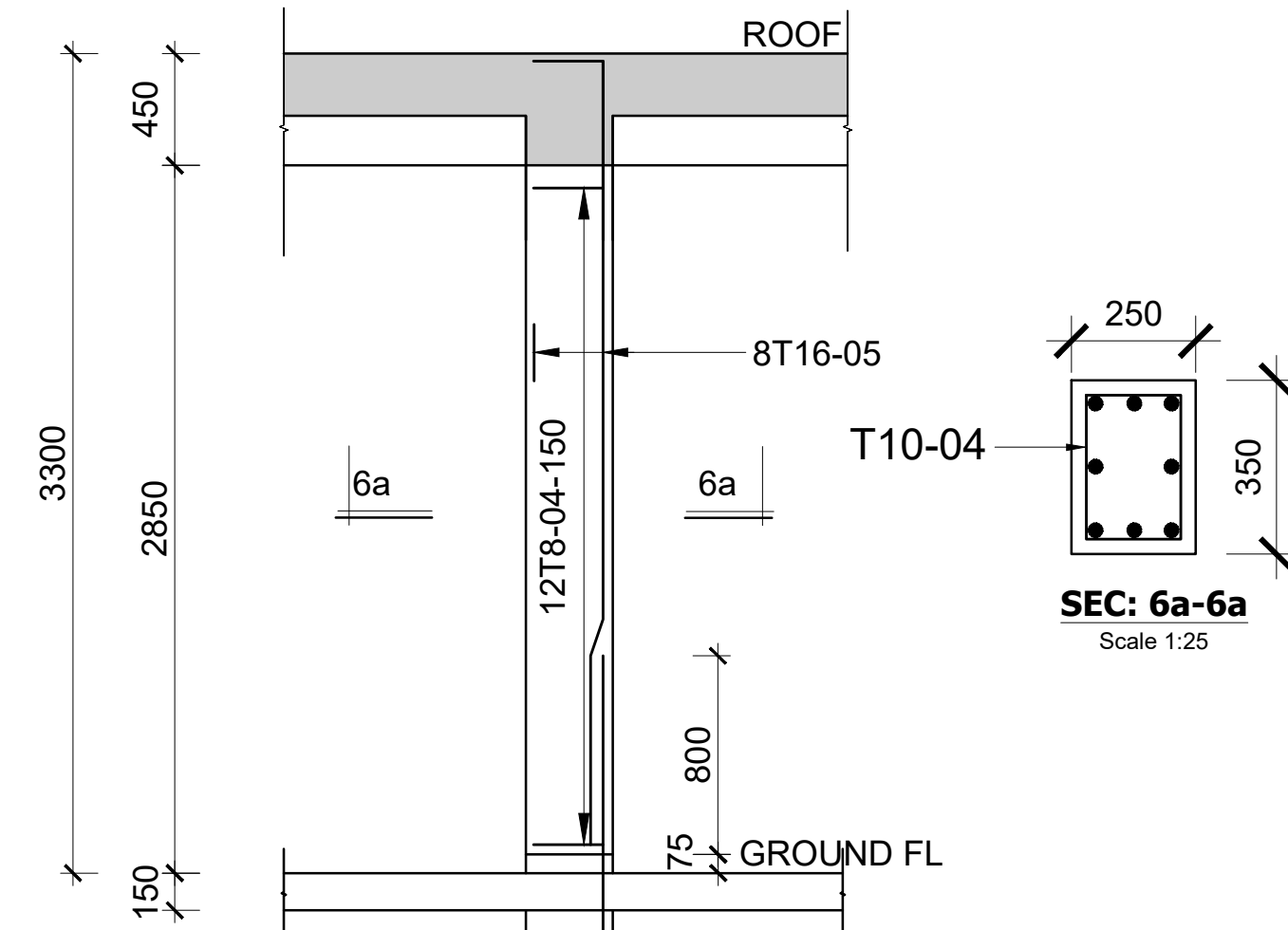
SECTION THROUGH RAMP (1 IN 12)  
(SCALE 1:25)



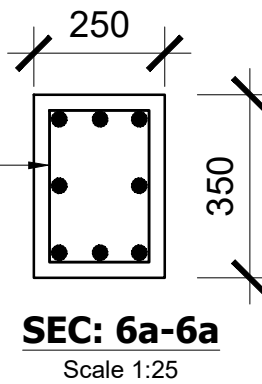
TYPICAL BEAM DETAIL  
Scale 1:25



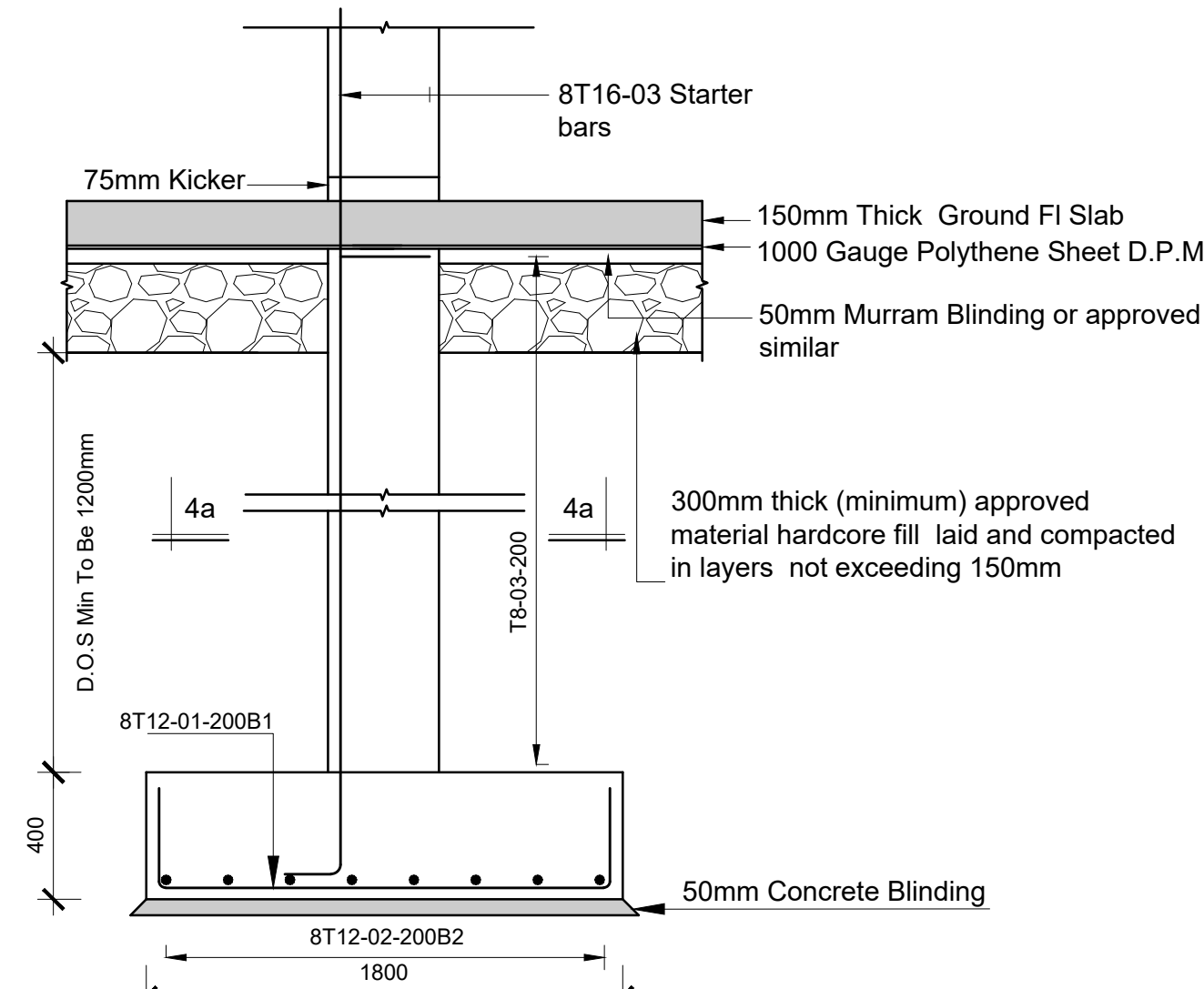
SECTION A-A  
Scale 1:25



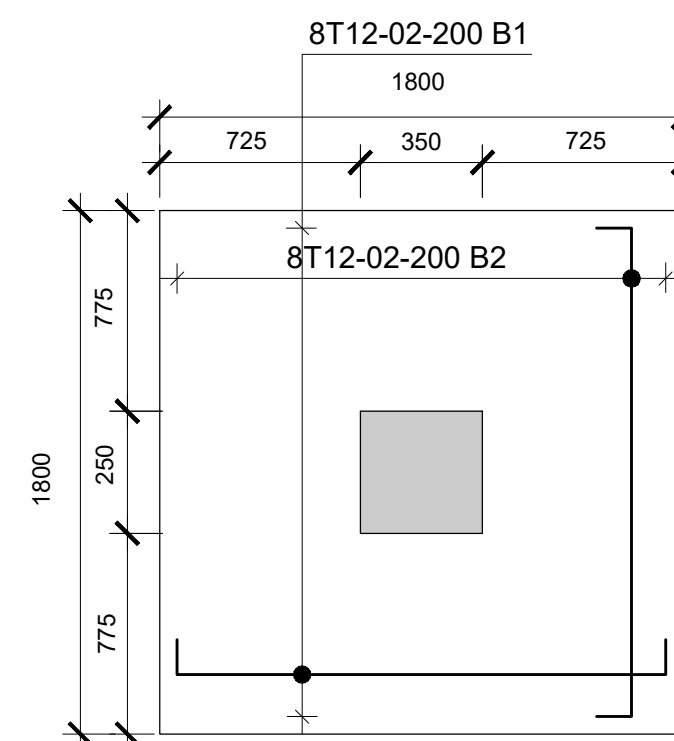
COLUMN C1  
15 NO.THUS  
300X250  
Scale 1:50



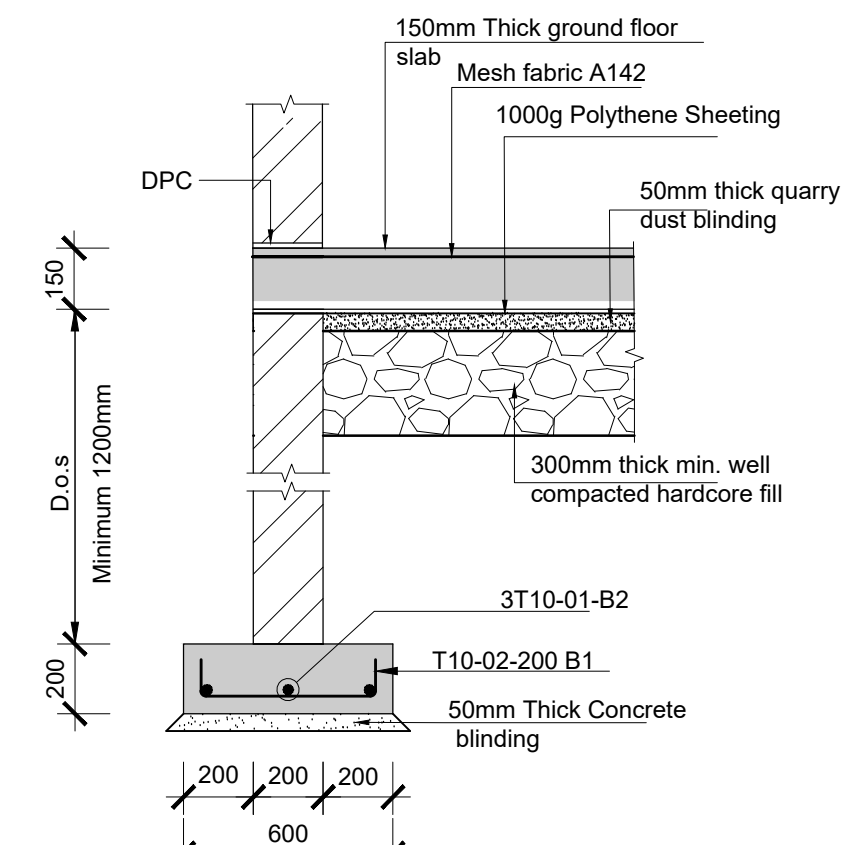
SEC: 6a-6a  
Scale 1:25



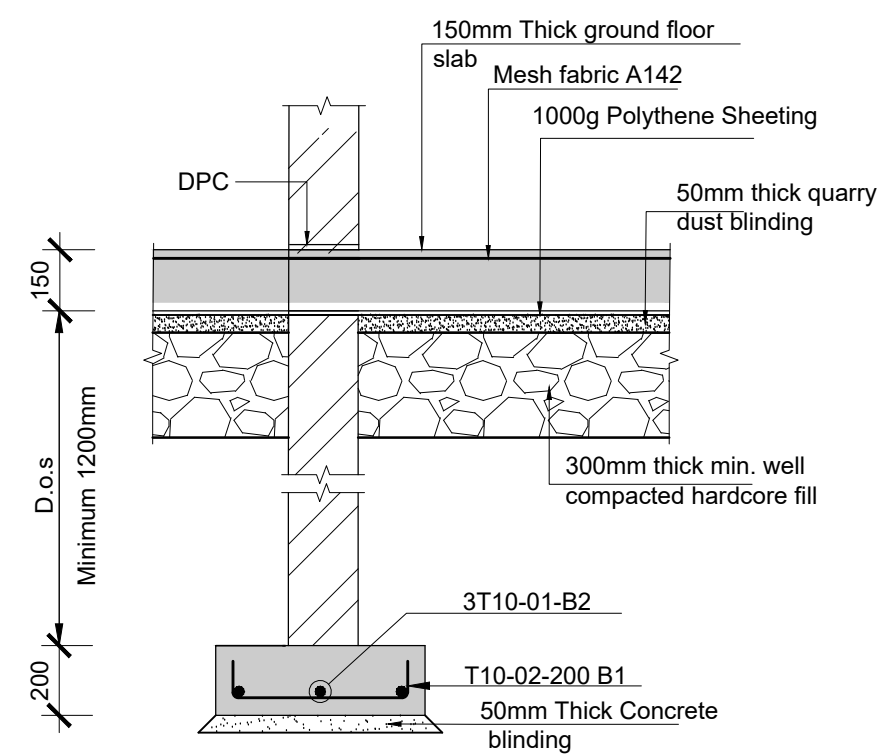
SEC:-BASE B1  
(WITH COL C1)  
Scale 1:30



PLAN:-BASE B1  
15 No.  
Scale 1:30



Section through strip footing A-A  
(External Walls)  
scale 1:25



Section through strip footing B-B  
(Internal Walls)  
scale 1:25

#### NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

5. Maximum tolerance on concrete cover is +/- 5mm.
6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

DRAWING NO. 12-002-17

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

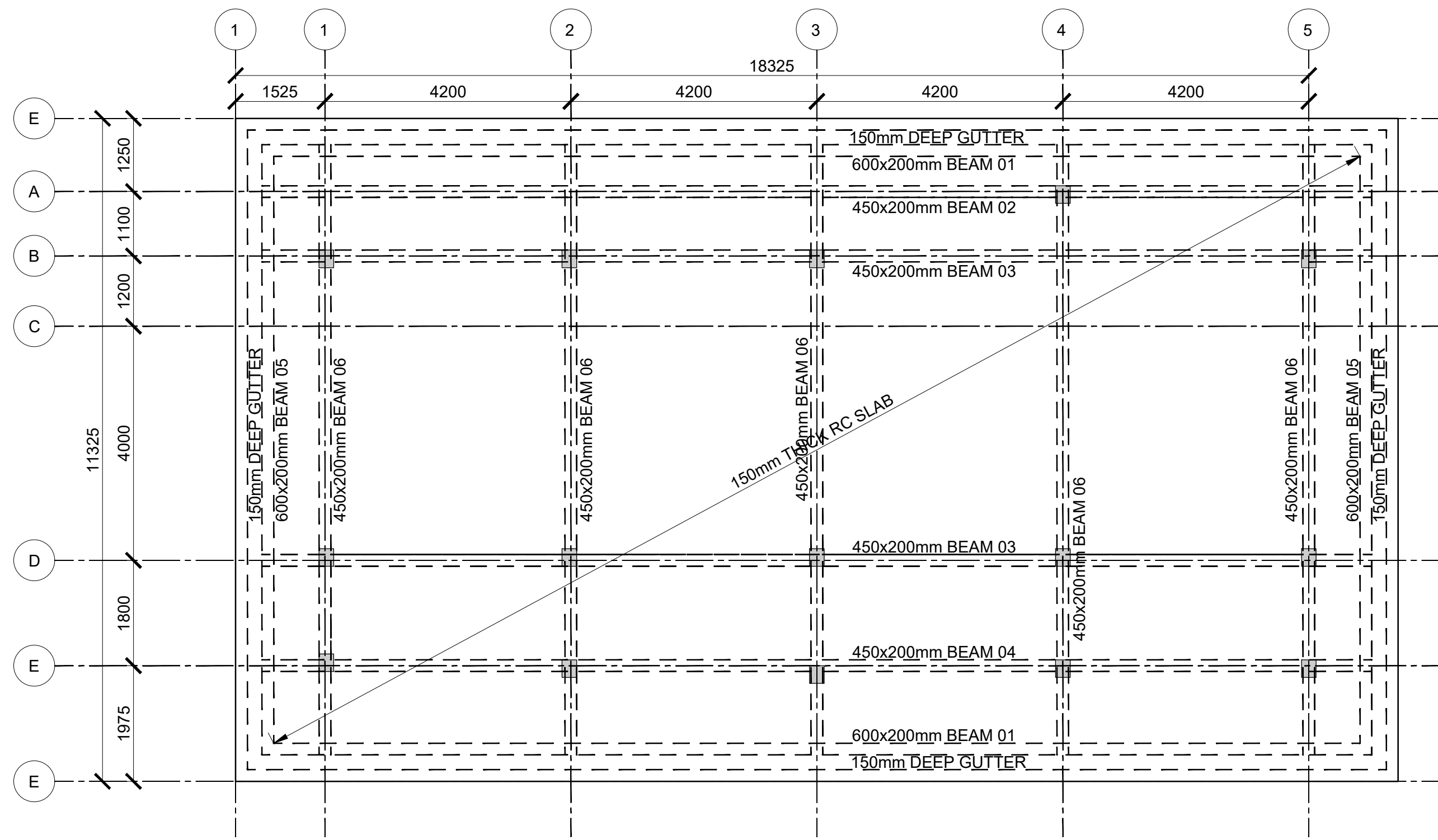
CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

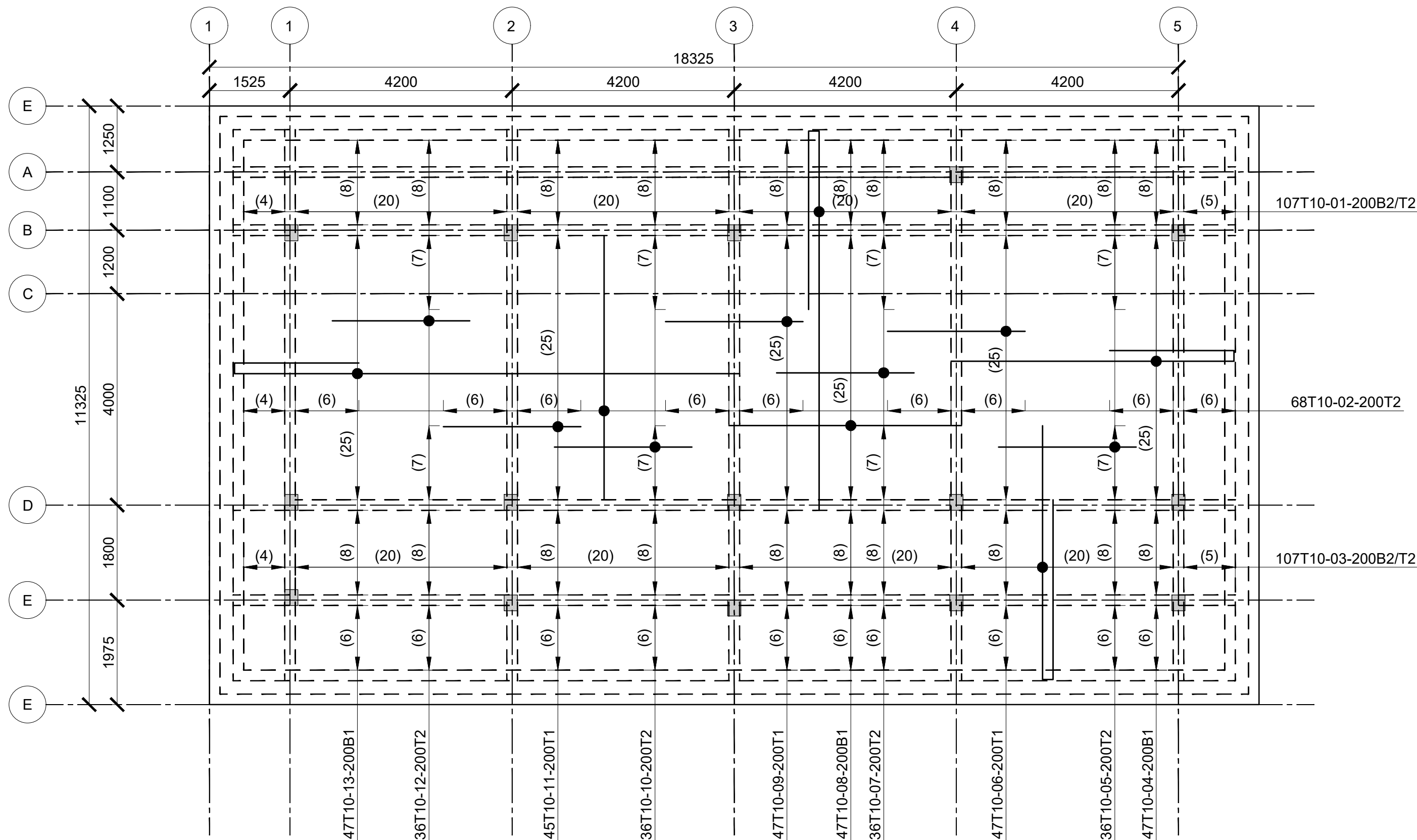
PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**STALLS BUILDING - FOUNDATION, COLUMN AND  
BEAM DETAIL**





ROOF LAYOUT  
(SCALE 1:100)



ROOF SLAB RC DETAIL  
(SCALE 1:100)

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**STALLS BUILDING - ROOF LAYOUT AND SLAB DETAIL**

**NOTES**

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

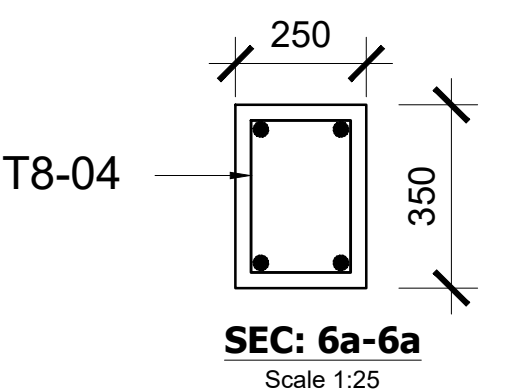
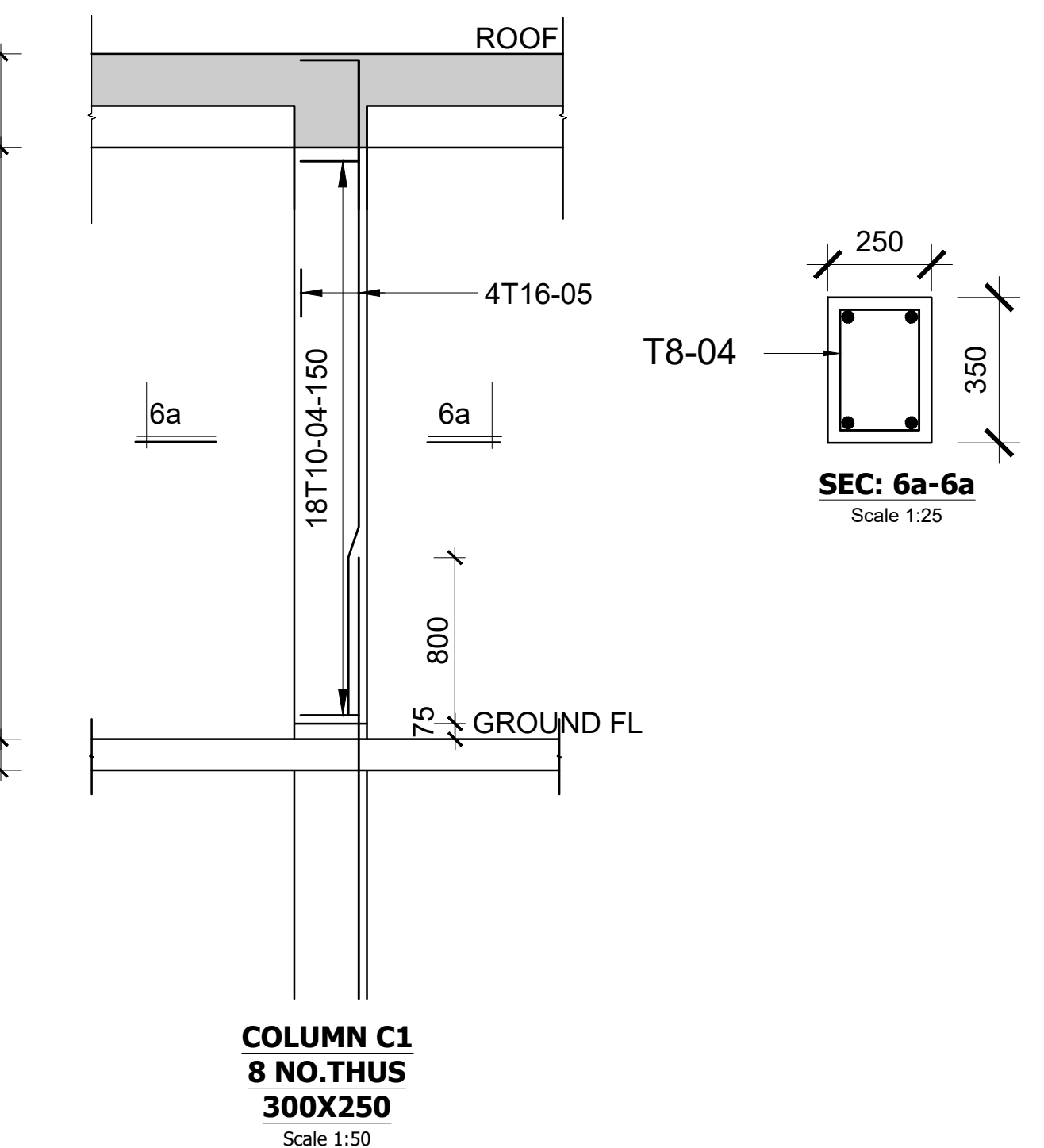
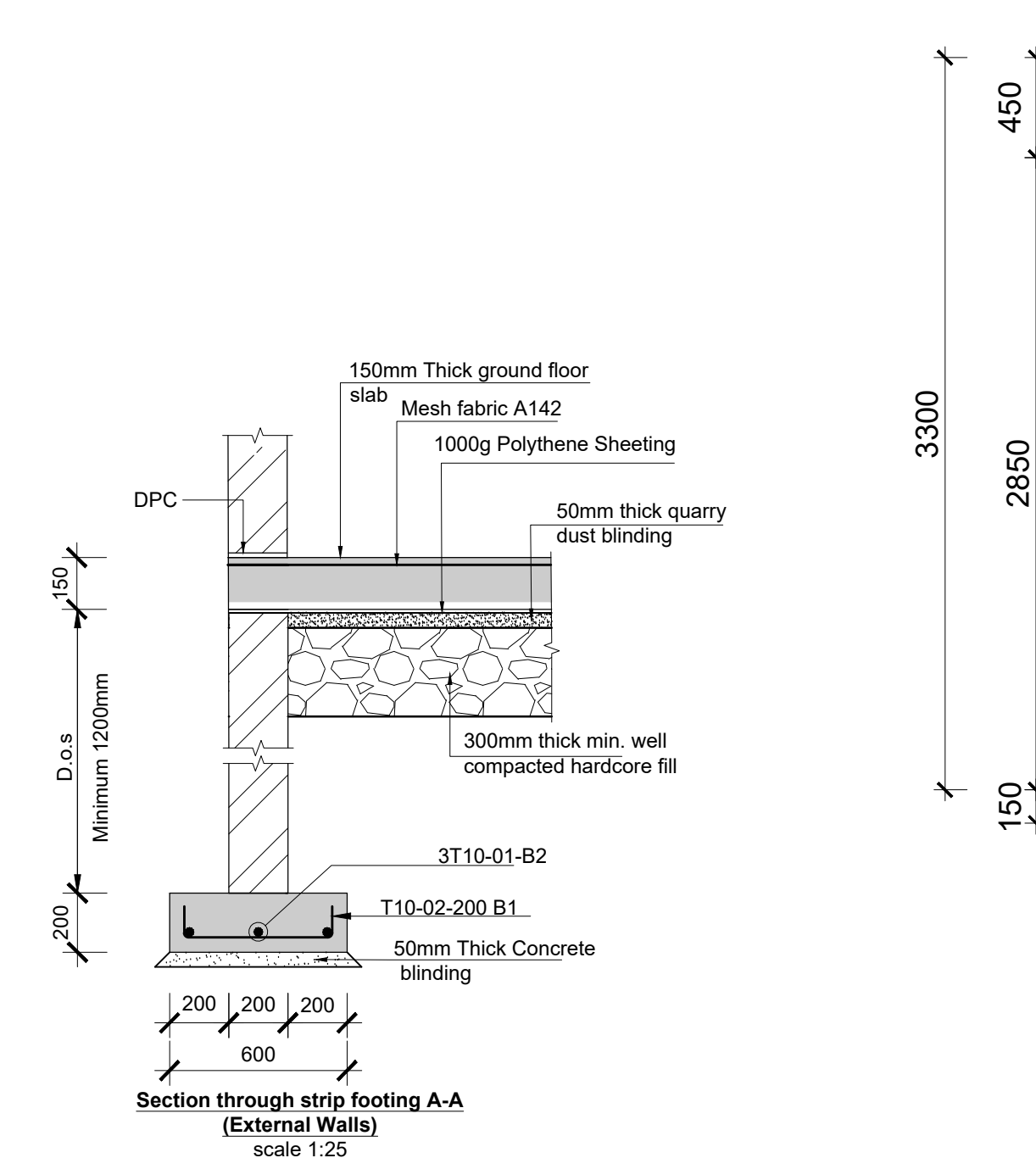
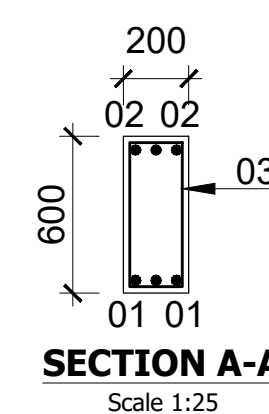
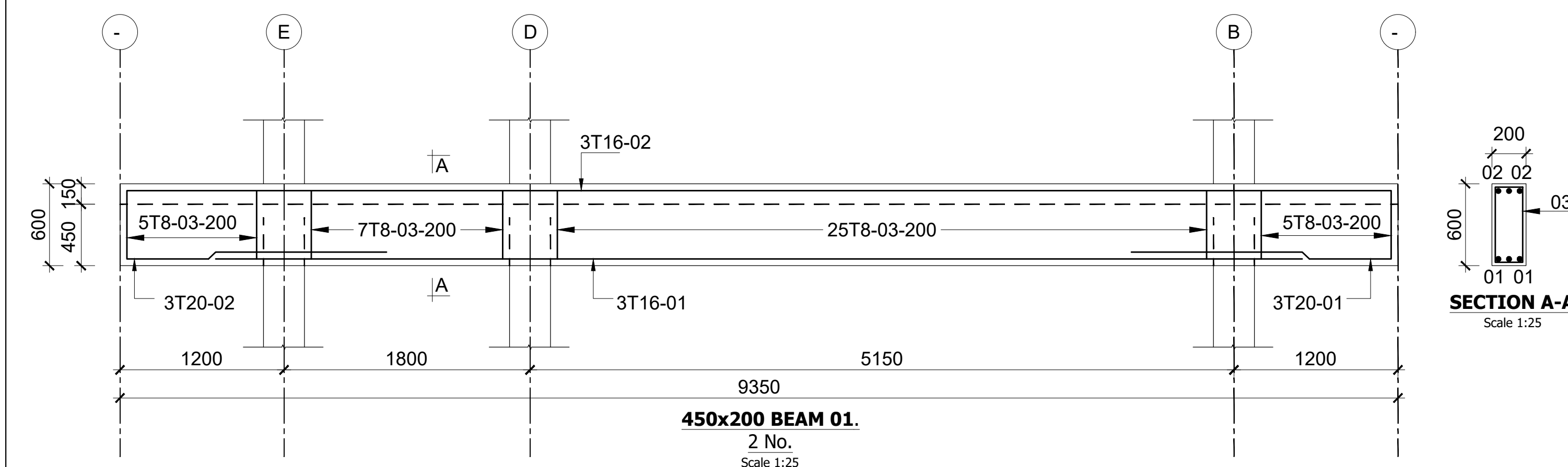
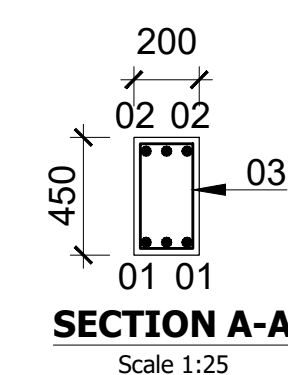
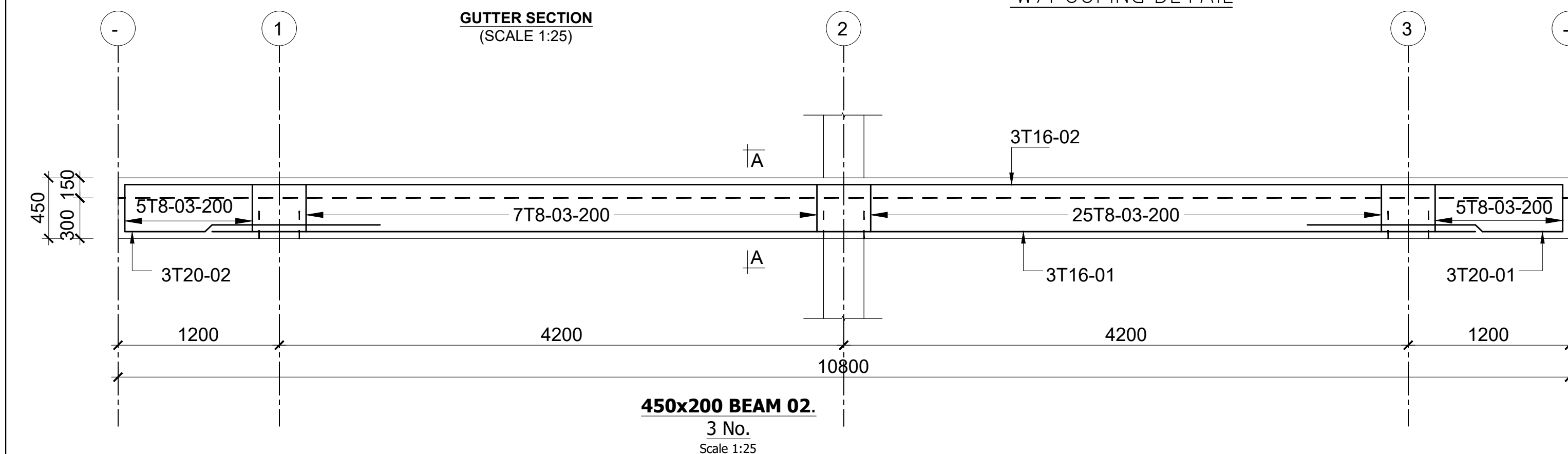
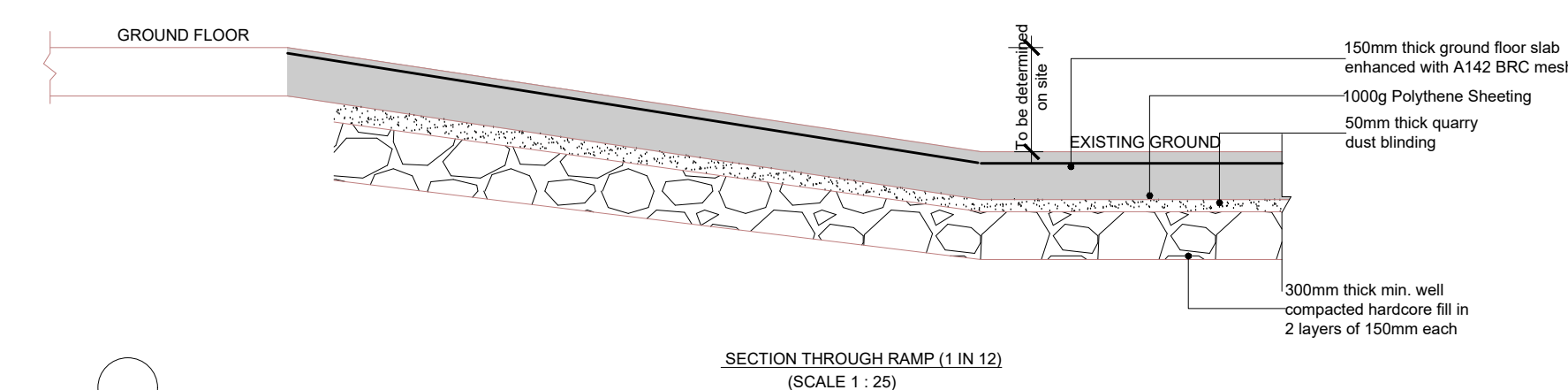
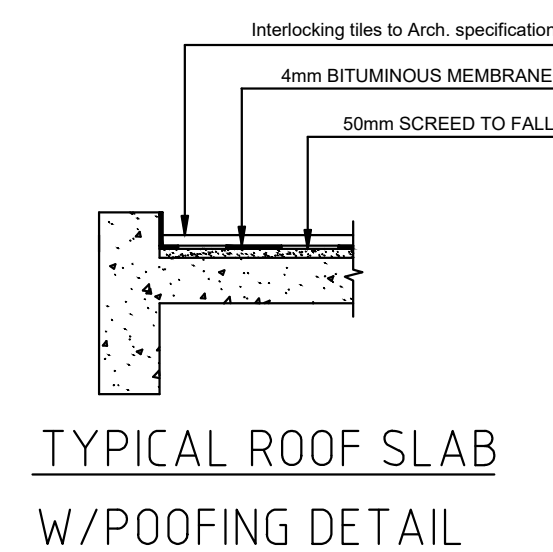
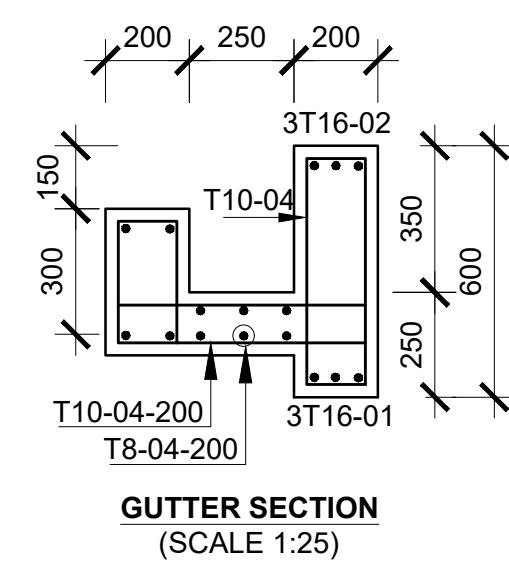
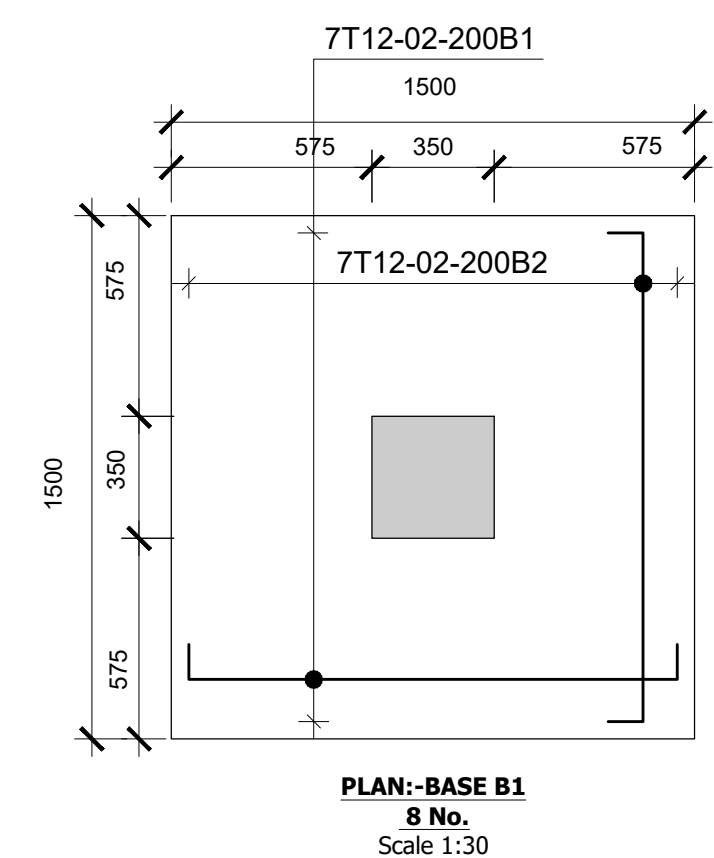
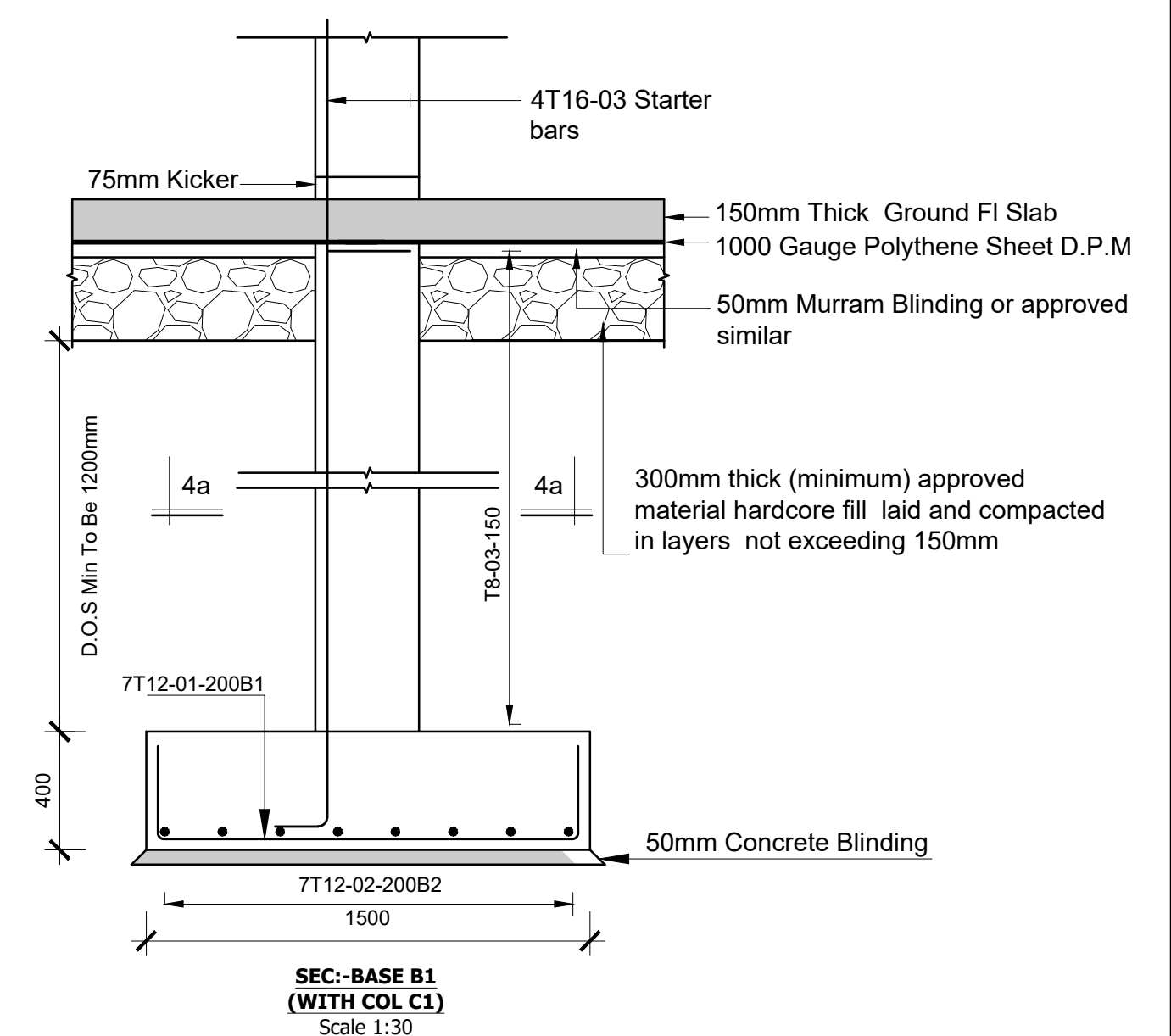
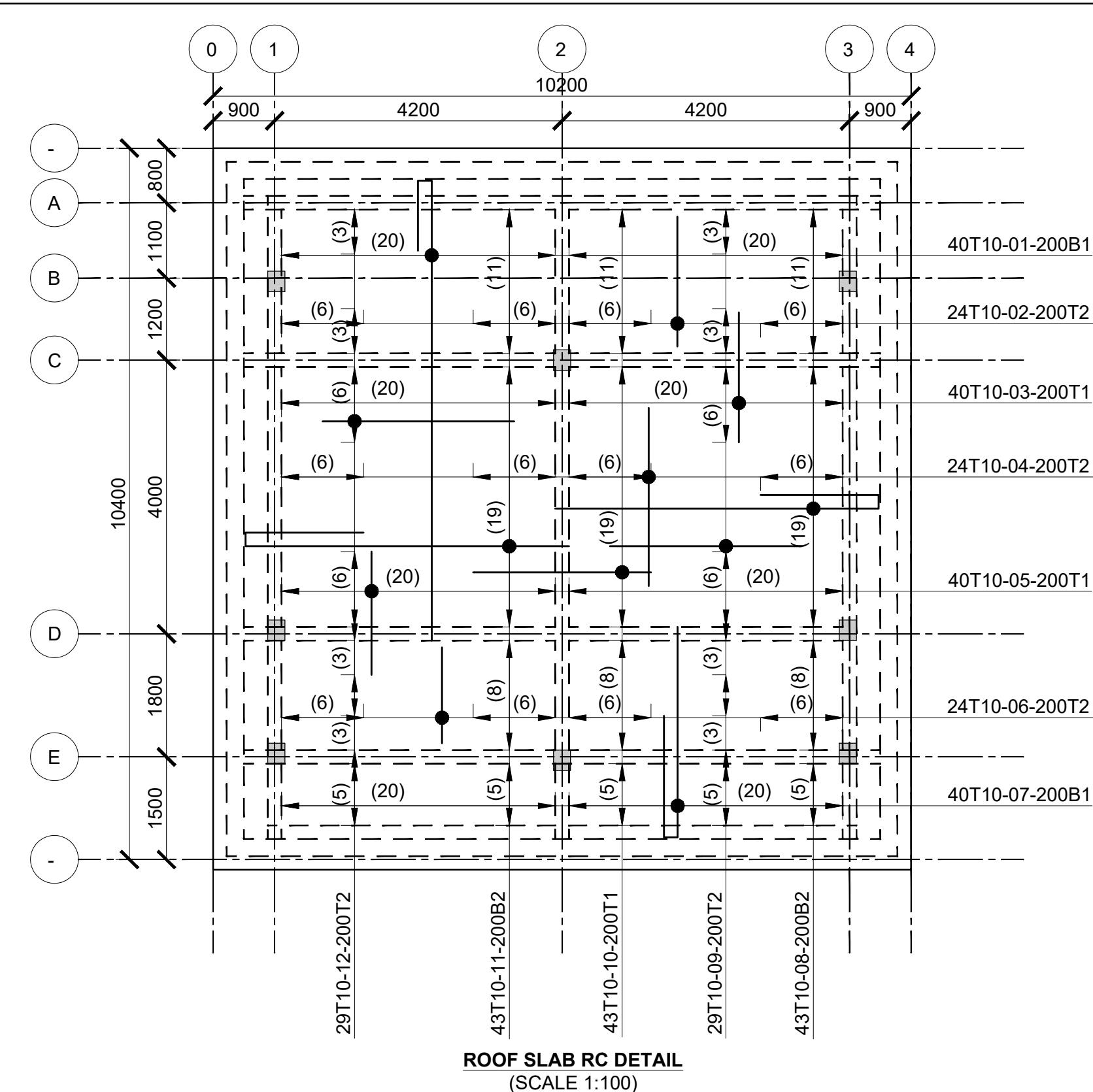
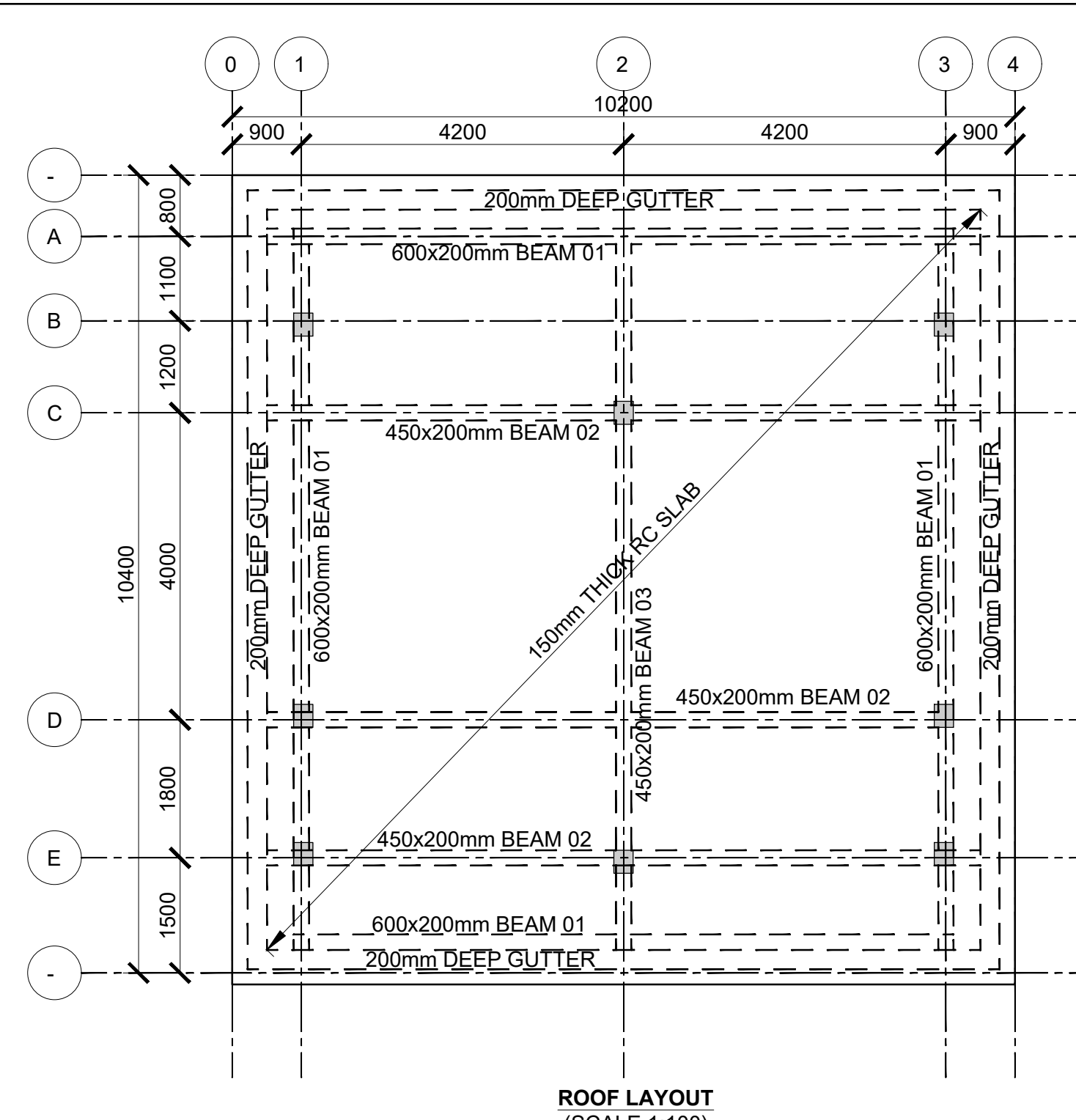
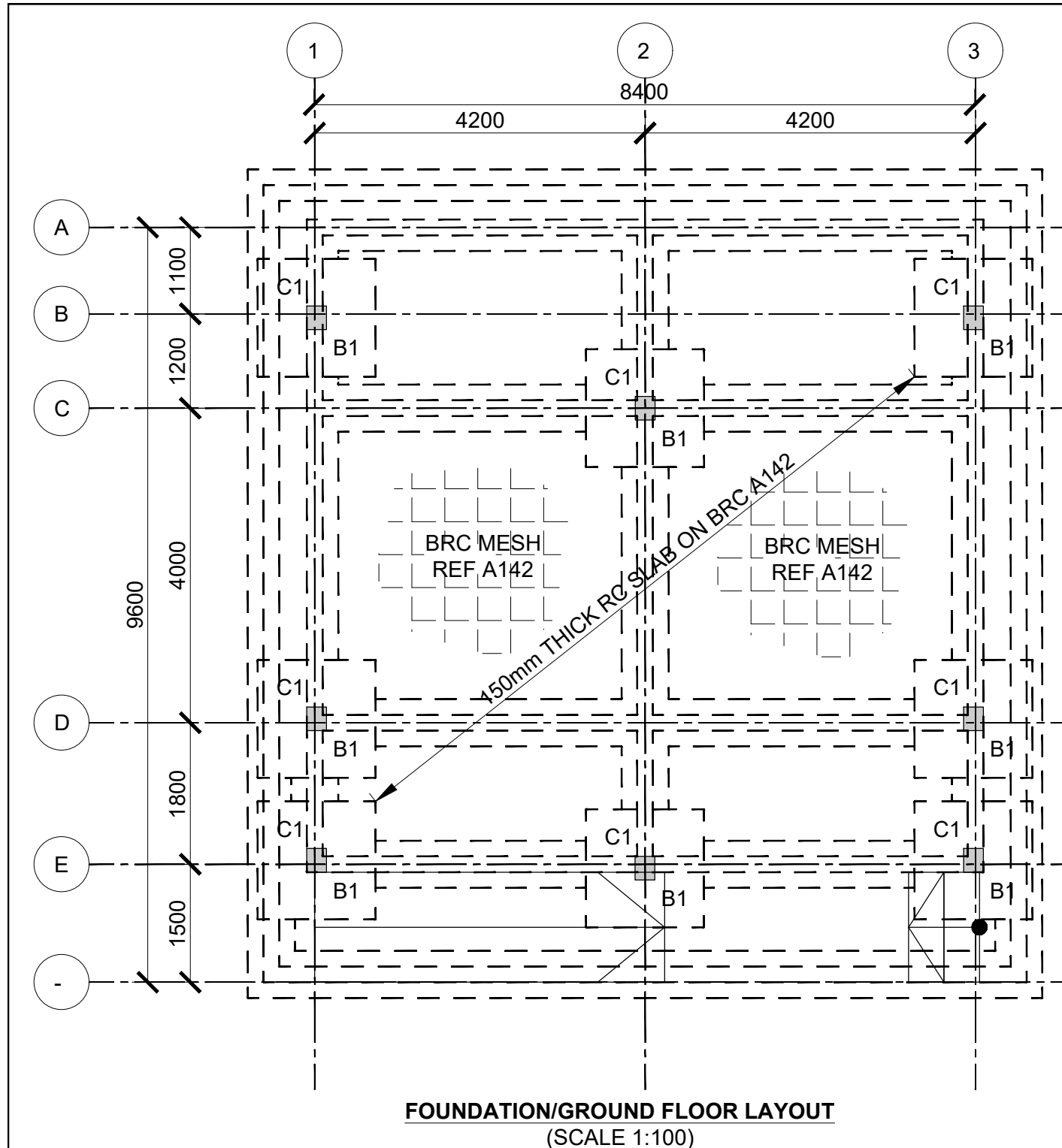
- Stairs, Slabs & Walls  
Beams (main bars) = 35mm  
Post-tensioned beams = 40mm  
Columns (main bars) = 50mm  
Foundations = 75mm
5. Maximum tolerance on concrete cover is +/- 5mm.
  6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
  7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

DRAWING NO. 12-002-18





Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: [info@arprimconsultants.com](mailto:info@arprimconsultants.com)

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY**

**PROJECT:-**  
**PROPOSED KENYA MARINE FISHERIES AND**  
**SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL**  
**AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-	PROPOSED MWAEPE FISH LANDING SITE, KWALE COUNTY.
-----------------	--

**DRAWING TITLE:-**  
**STALLS BUILDING 1 - STRUCTURAL DETAIL**

---

NOTES

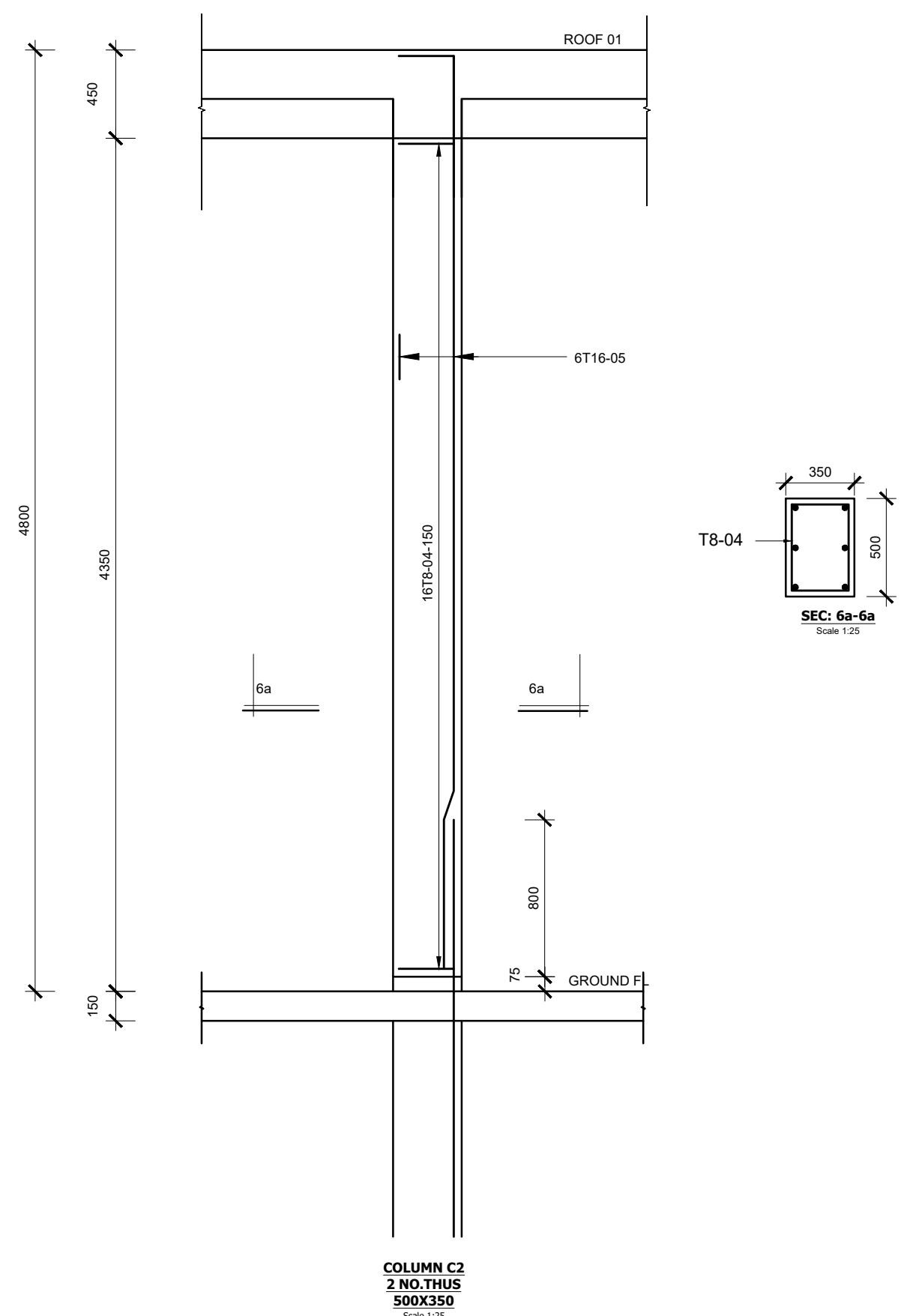
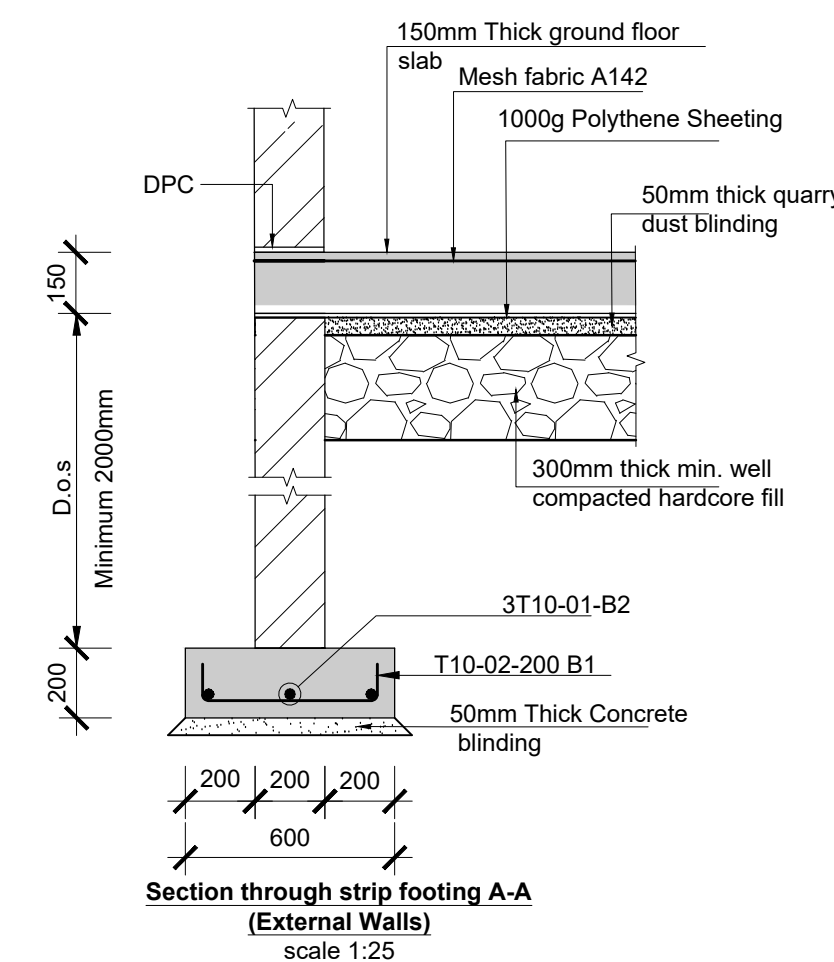
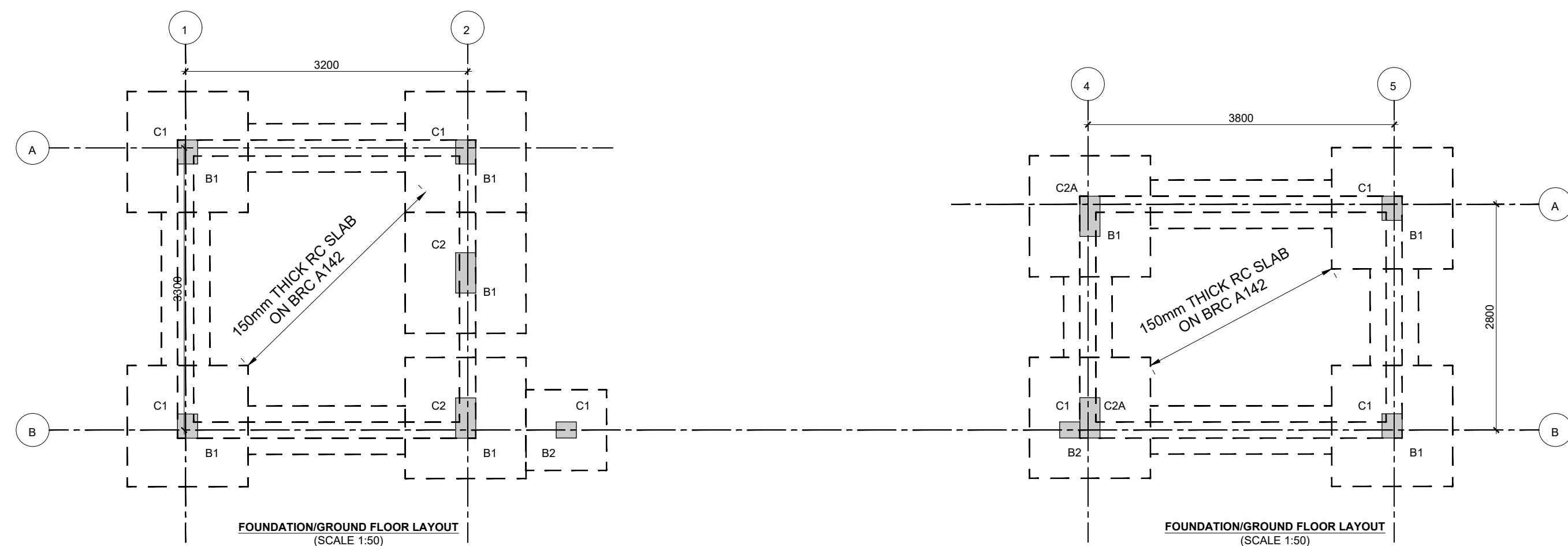
- |  |   |
|--|---|
| 1. Read the drawing in conjunction with relevant G.A.        | Beams (main bars) = 35mm  |
| Services and Architectural drawings. Any discrepancy         | Post-tensioned beams = 40mm   |
| to be reported to the Engineer.                              | Columns (main bars) = 50mm  |
| 2.All dimensions are in millimetres unless specified         | Foundations = 75mm  |
| otherwise.   |   |
| 3. All levels are indicated in m unless specified otherwise. | 5. Maximum tolerance on concrete cover is +, - 5mm.   |
| 4. Minimum cover to all reinforcement to be:                 | 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. |
|  | 7. Minimum laps at all bars to be 500 unless stated otherwise.  |

8. Safe Bearing Pressure taken to be 250 kN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

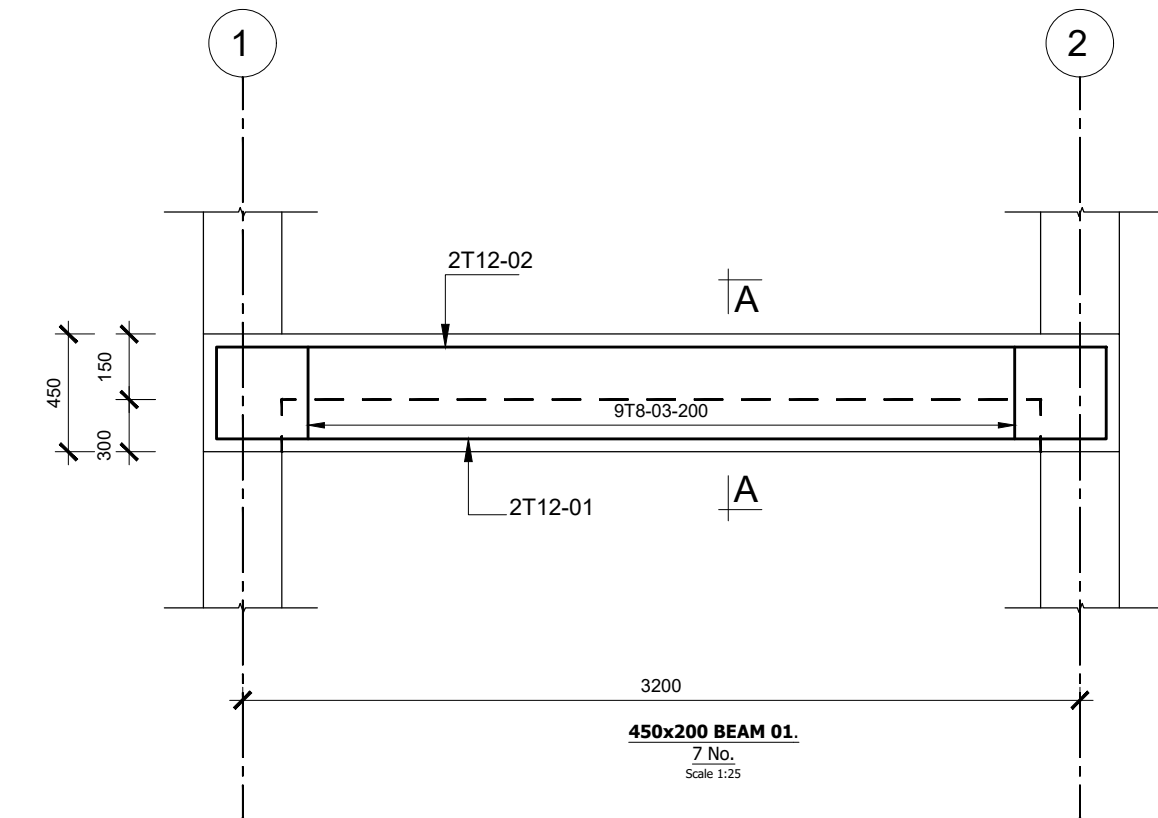
**DRAWING NO. 12-002-19**



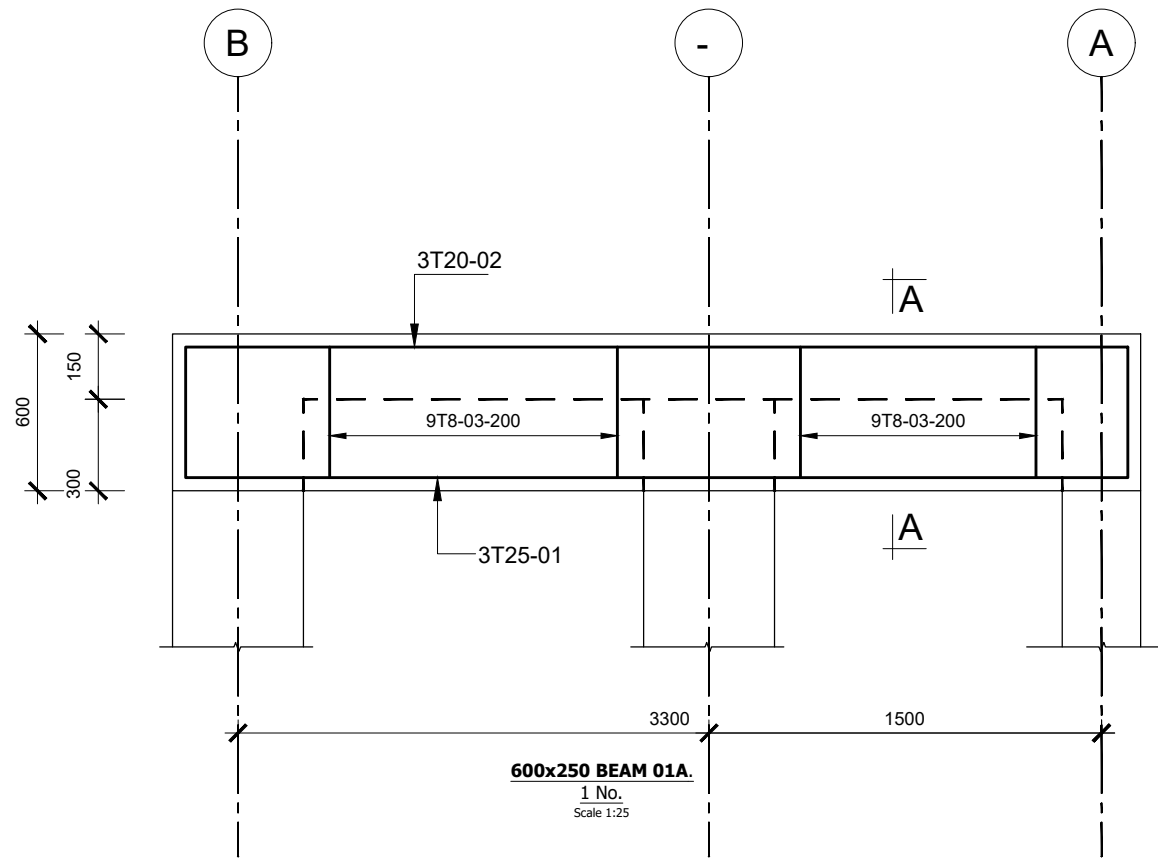


Consultant:- <b>APRIM CONSORTIUM</b> P.O. Box 12069-00100, Nairobi, KENYA. Tel: 02 688 906 Fax: 02 688 907 E-mail: info@aprimconsultants.com	CLIENT:-	PROJECT:-	PROJECT TITLE:-	NOTES	Stairs, Slabs & Walls = 25mm Beams (main bars) = 25mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm 5. Maximum tolerance on concrete cover is +1/-5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 500 unless stated otherwise.	8. Safe Bearing Pressure taken to be 250 KN/m <sup>2</sup> 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Concrete blinding to be Class 15 unless stated otherwise. 12. Masonry Strength to be 7.0 N/mm <sup>2</sup> .	Designed by <b>DAN</b> Drawn by <b>DAN</b> Checked by <b>HOH</b> Scale <b>AS SHOWN</b>	Rev D C B A	Description     	By     	Date     
	STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.	PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.	PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.	1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2. All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be:	DRAWING TITLE:- <b>GATE HOUSE - LAYOUTS, FOUNDATION AND COLUMN DETAIL</b>						
<div style="border: 2px solid black; padding: 5px; text-align: center;">DRAWING NO. 12-002-20</div>											

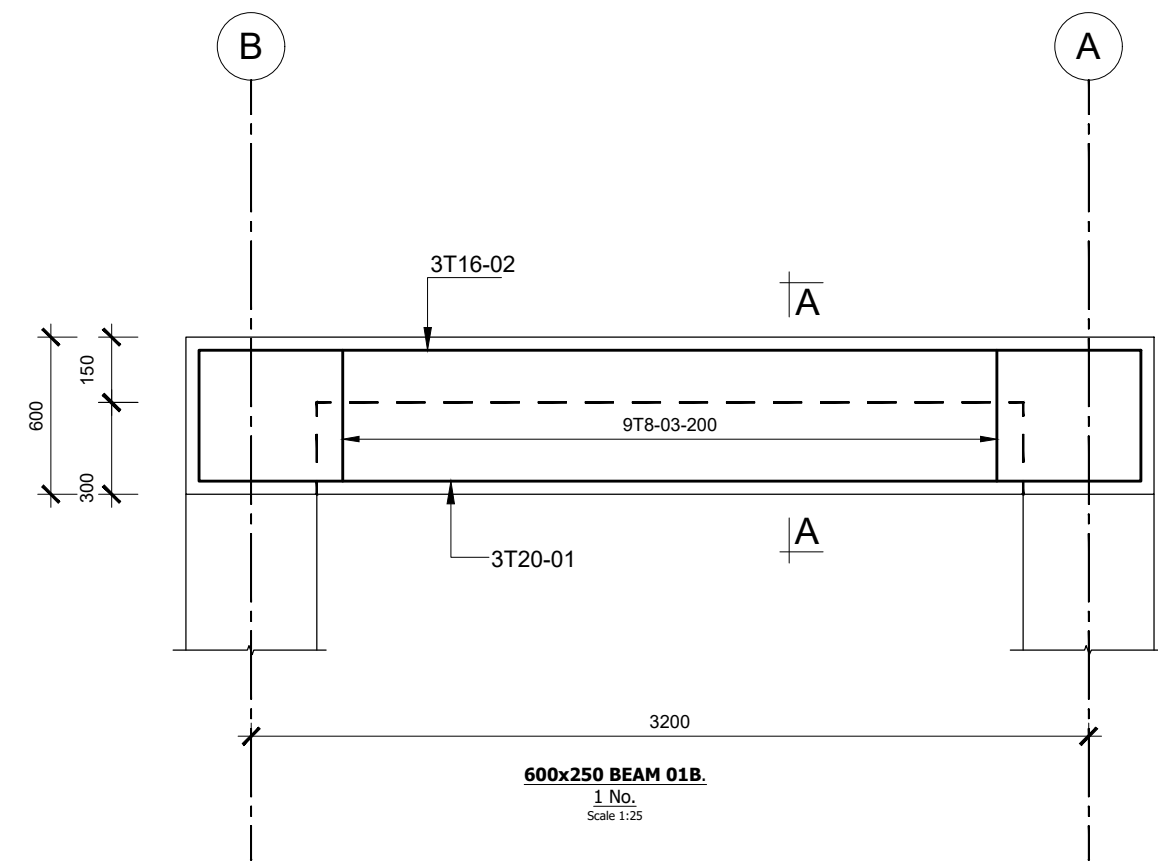




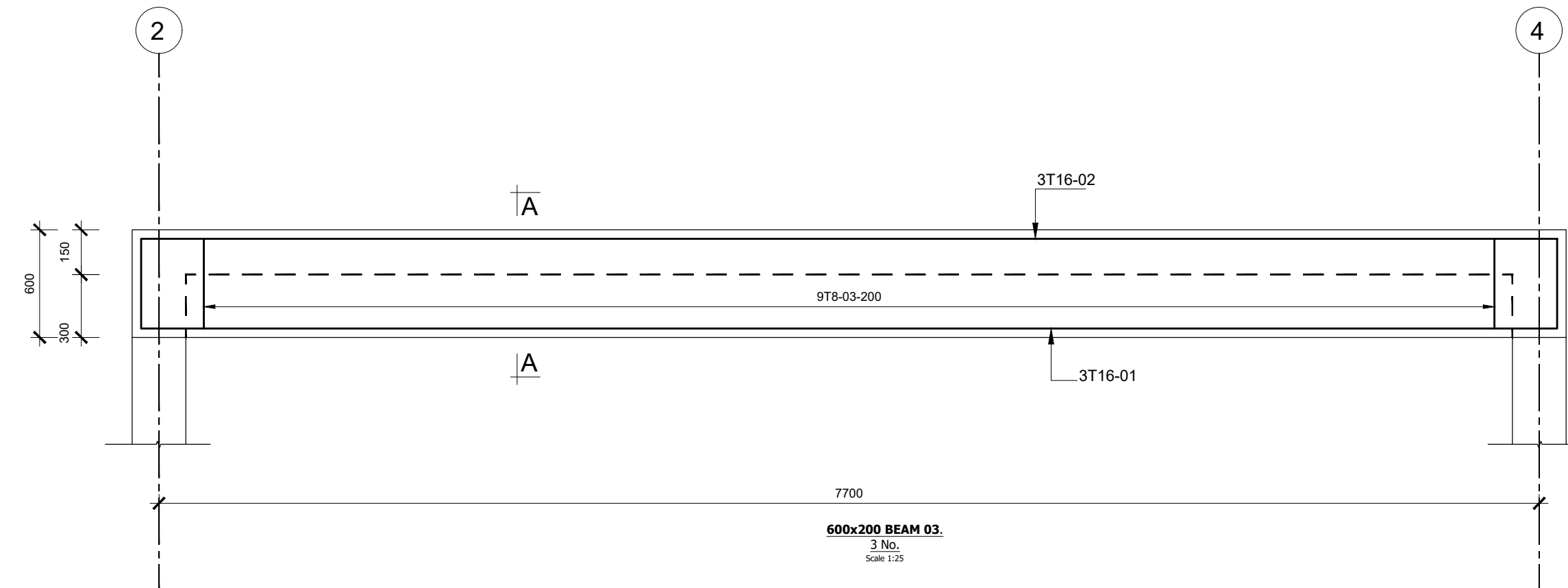
**SECTION A-A**  
Scale 1:25



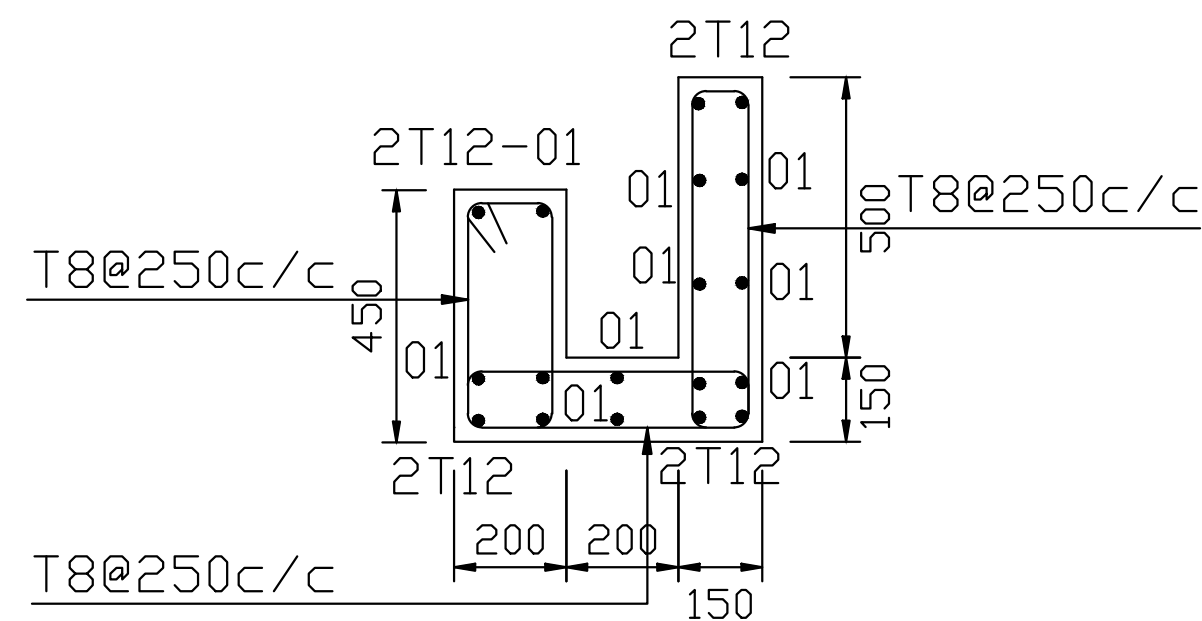
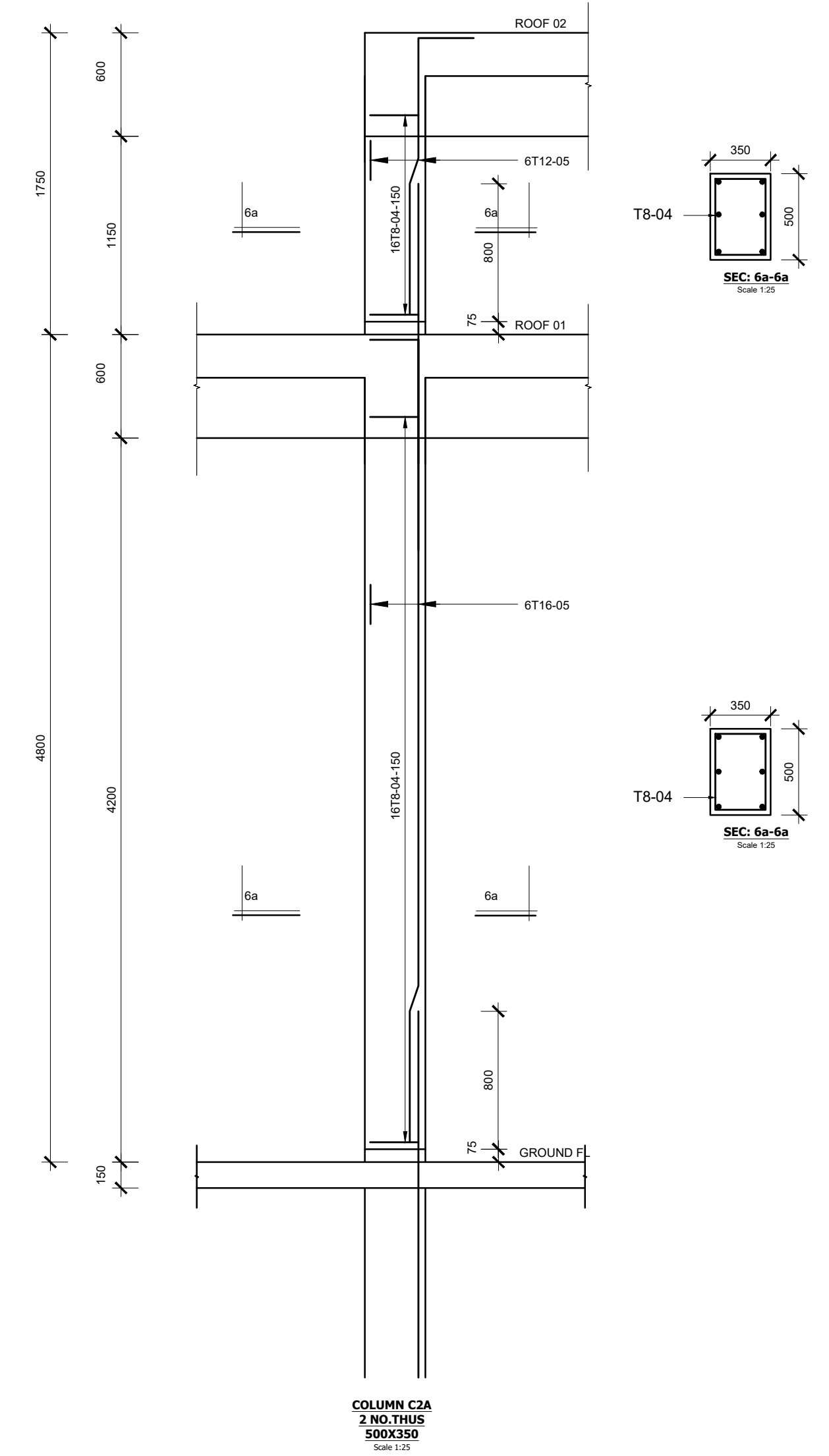
**SECTION A-A**  
Scale 1:25



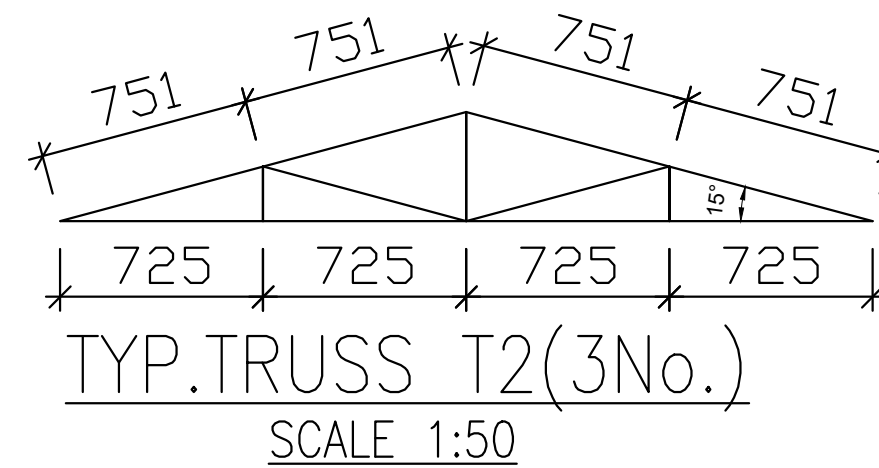
**SECTION A-A**  
Scale 1:25



**SECTION A-A**  
Scale 1:25



**TYP. GUTTER & BEAM DETAILS**  
SCALE 1:25



#### NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

5. Maximum tolerance on concrete cover is +/- 5mm.
6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

**DRAWING NO. 12-002-21**

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

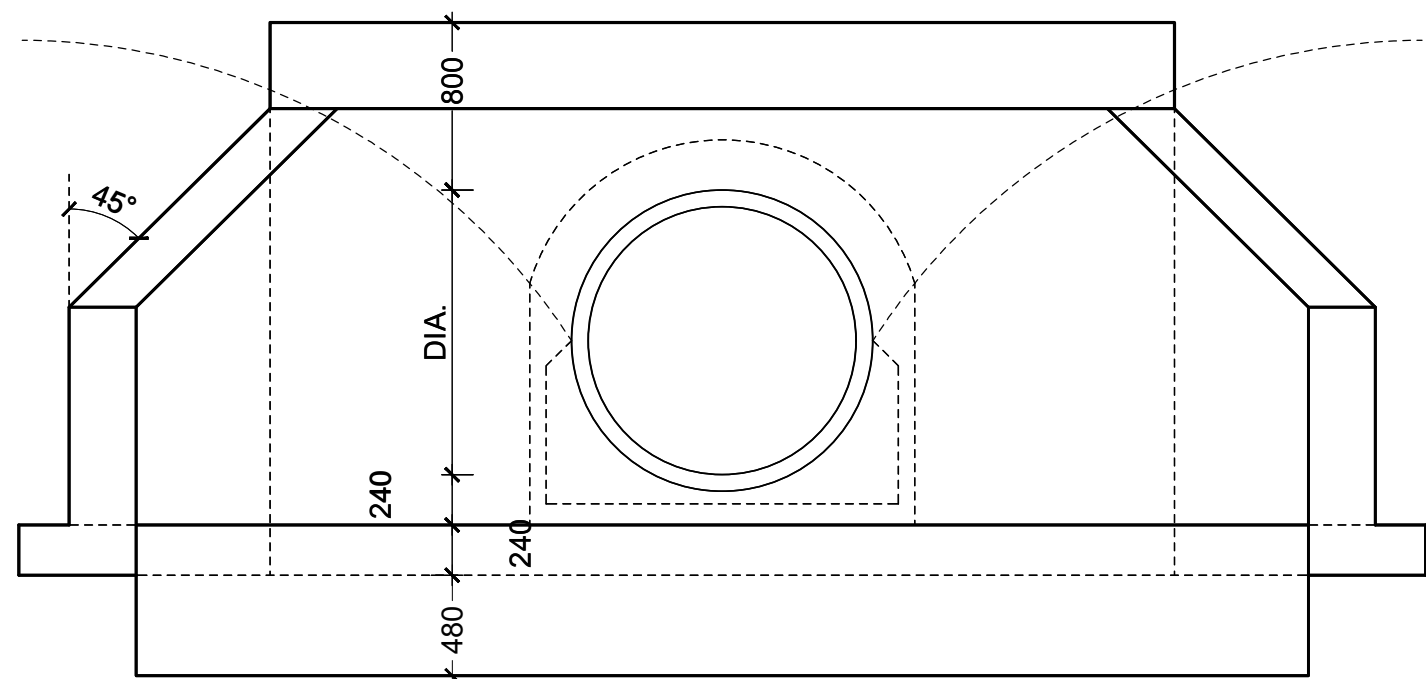
CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

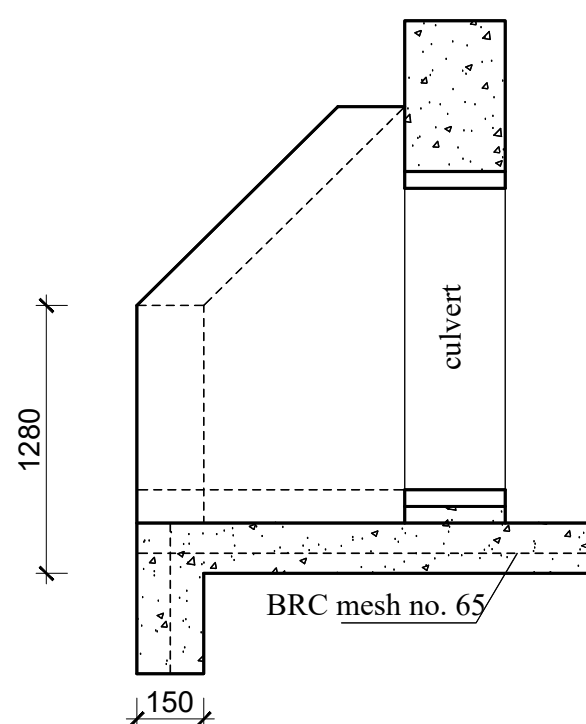
PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**GATE HOUSE - BEAM, GUTTER AND TRUSS DETAIL**

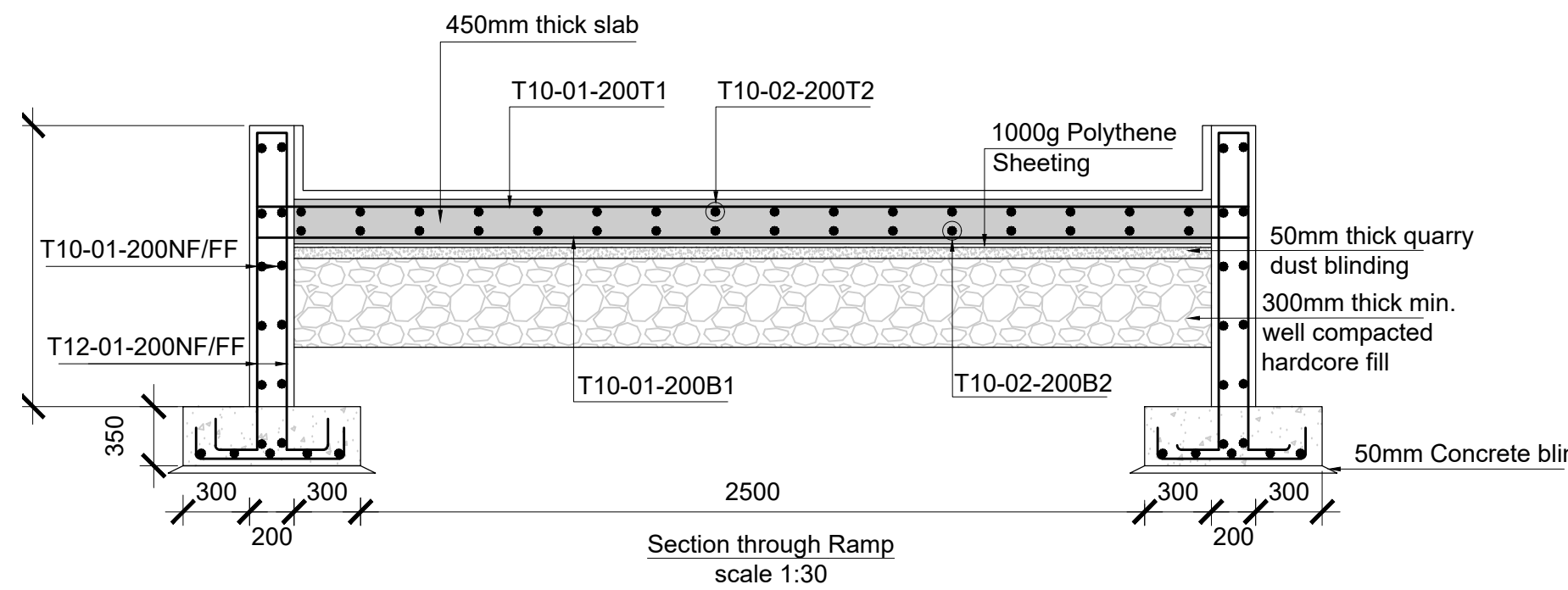




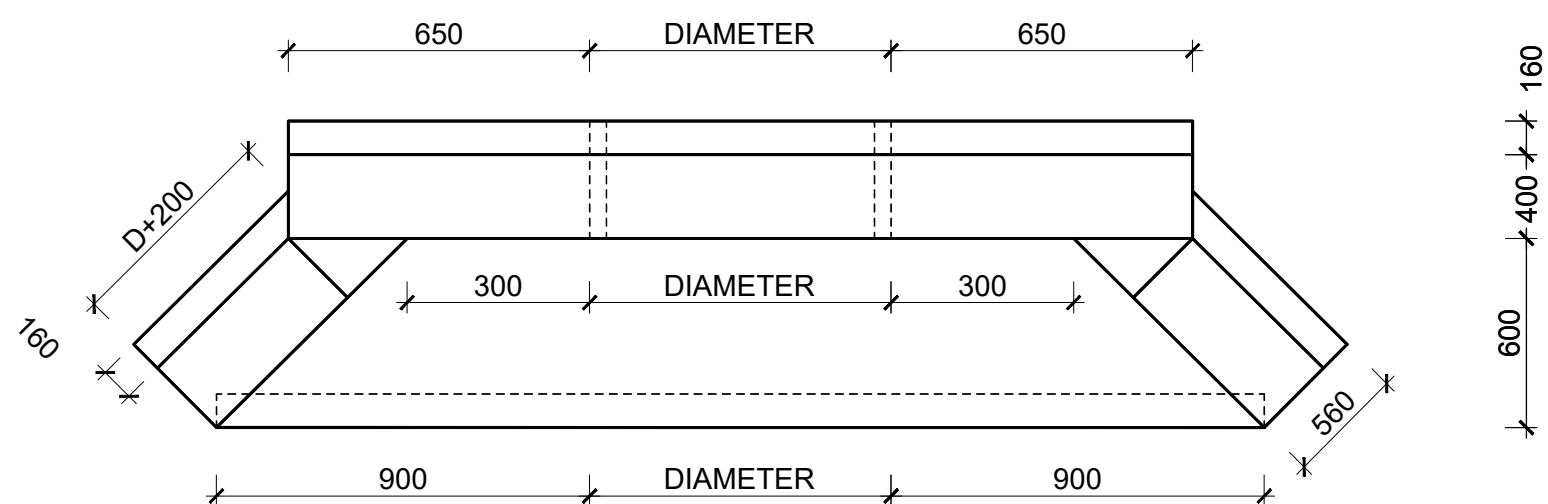
ELEVATION



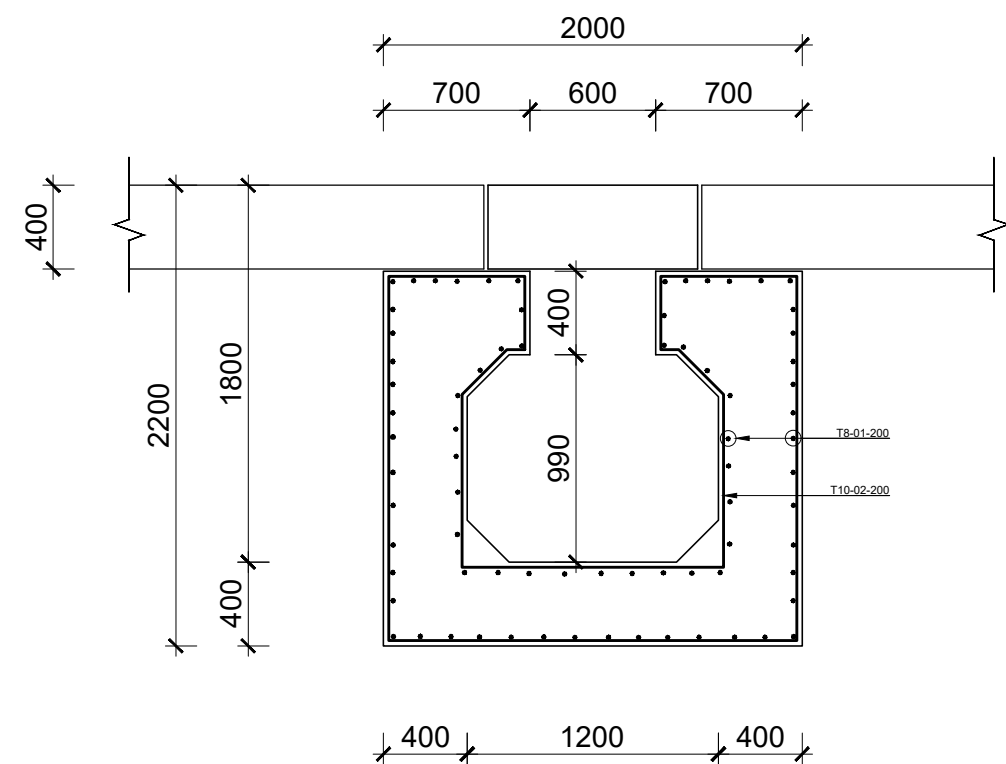
SECTION



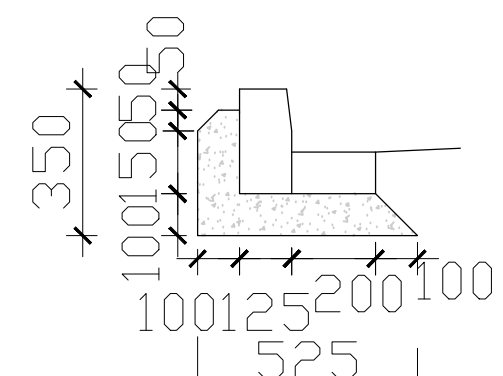
Section through Ramp  
scale 1:30



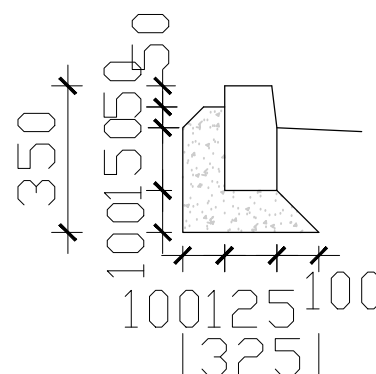
PLAN



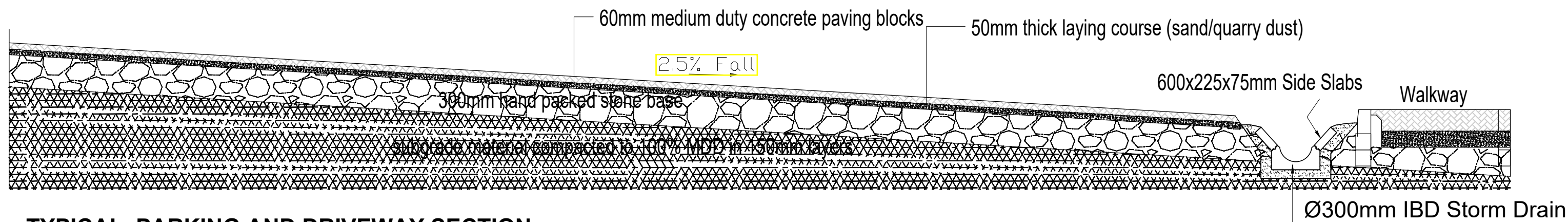
DRAIN TYPE A: R.C COVERED OPEN DRAIN



250x125 KERB AND  
200x100 CHANNEL  
Scale 1:25



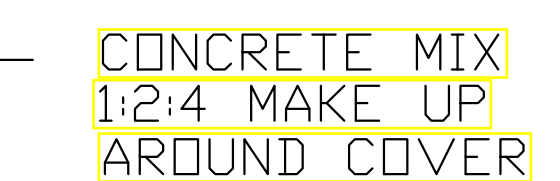
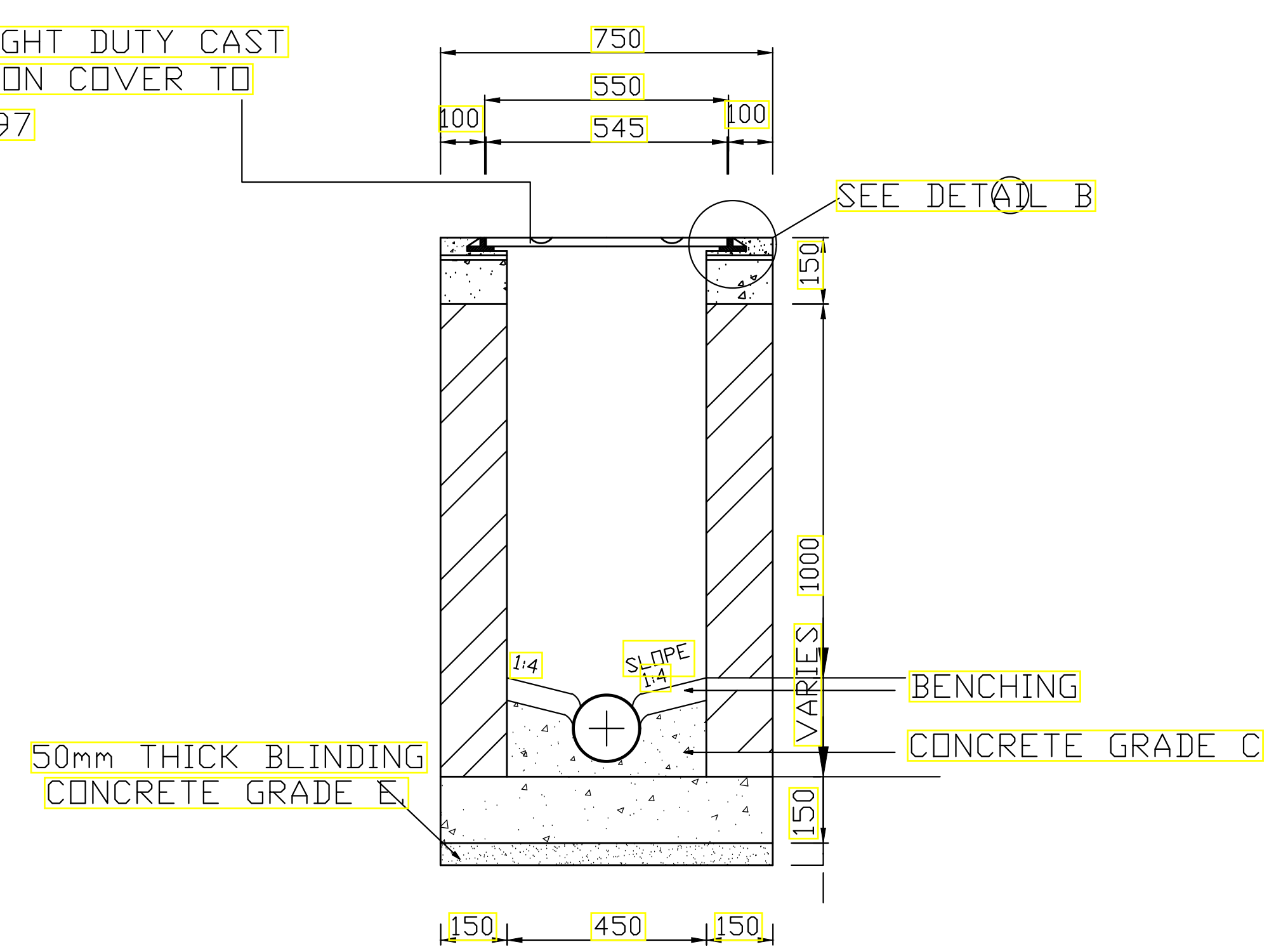
KERB ONLY  
Scale 1:25



TYPICAL PARKING AND DRIVEWAY SECTION  
Scale 1:50

Consultant:- <b>ARPRIM CONSORTIUM</b> P.O. Box 12969-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com	CLIENT:- <b>STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.</b>	PROJECT:- <b>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</b>	PROJECT TITLE:- <b>PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.</b>  DRAWING TITLE:- <b>CIVIL WORKS 1</b>	<b>NOTES</b> 1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2. All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be:  Stairs, Slabs & Walls = 35mm Beams (main bars) = 35mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm 5. Maximum tolerance on concrete cover is +/- 5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 500 unless stated otherwise.	8. Safe Bearing Pressure taken to be 250 KN/m². 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Concrete blinding to be Class 15 unless stated otherwise. 12. Masonry Strength to be 7.0 N/mm².	Designed by: <b>DAN</b> Drawn by: <b>DAN</b> Checked by: <b>HOH</b> Scale: <b>AS SHOWN</b>  Rev: <b>A</b> Description: <b>DRAWING NO. 12-002-22</b>	By: Date:
--	--	---	--	--	---	---	--------------





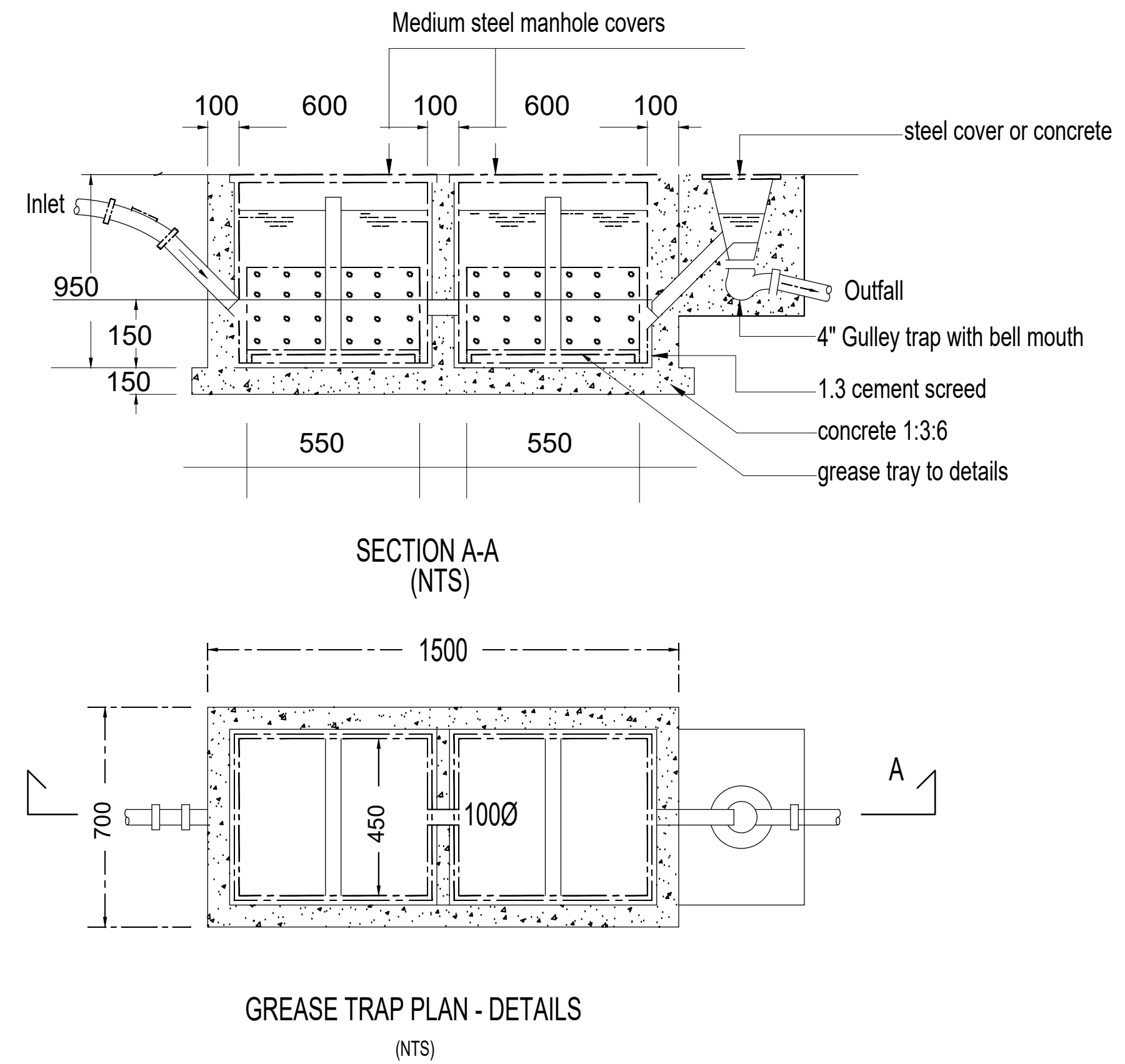
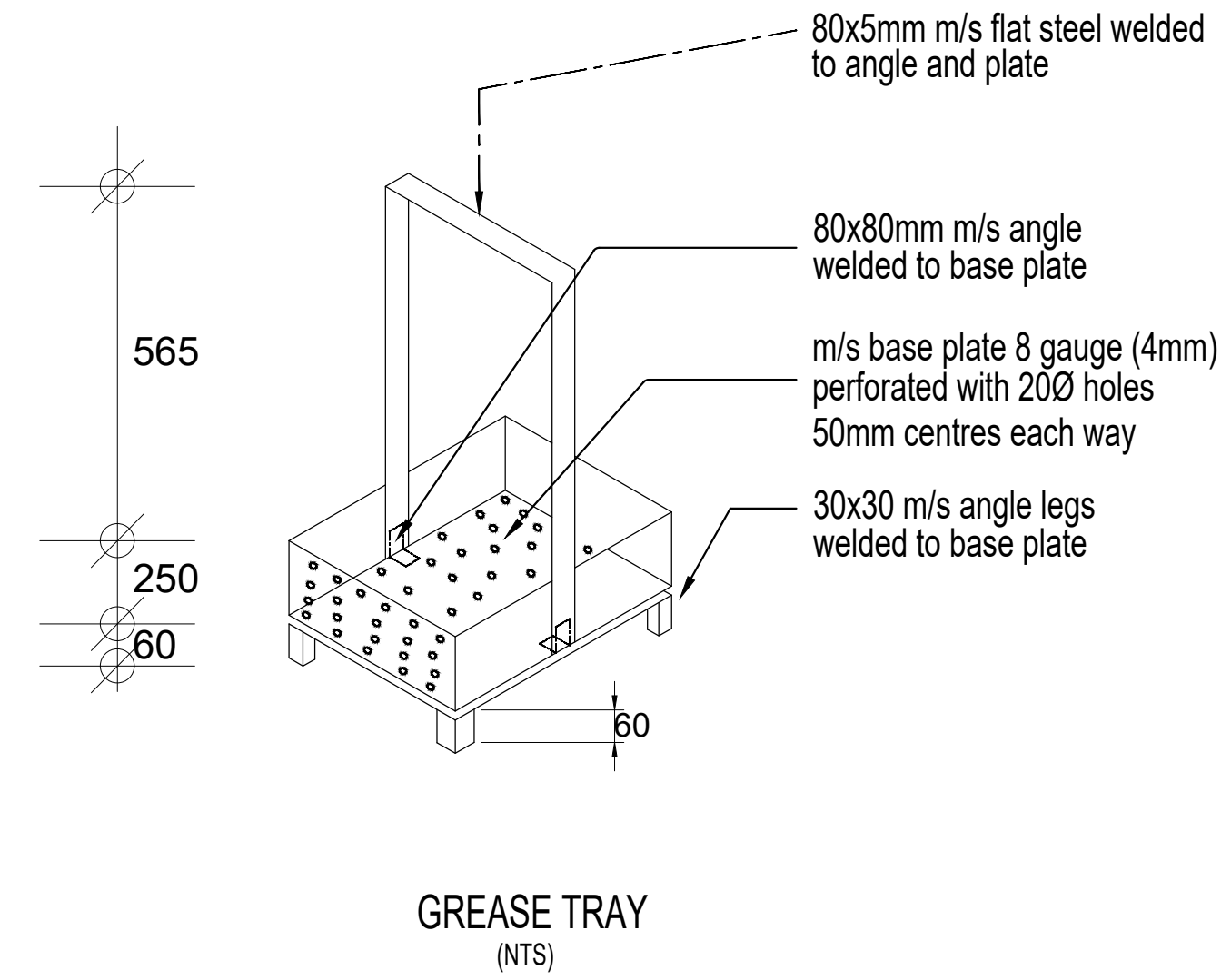
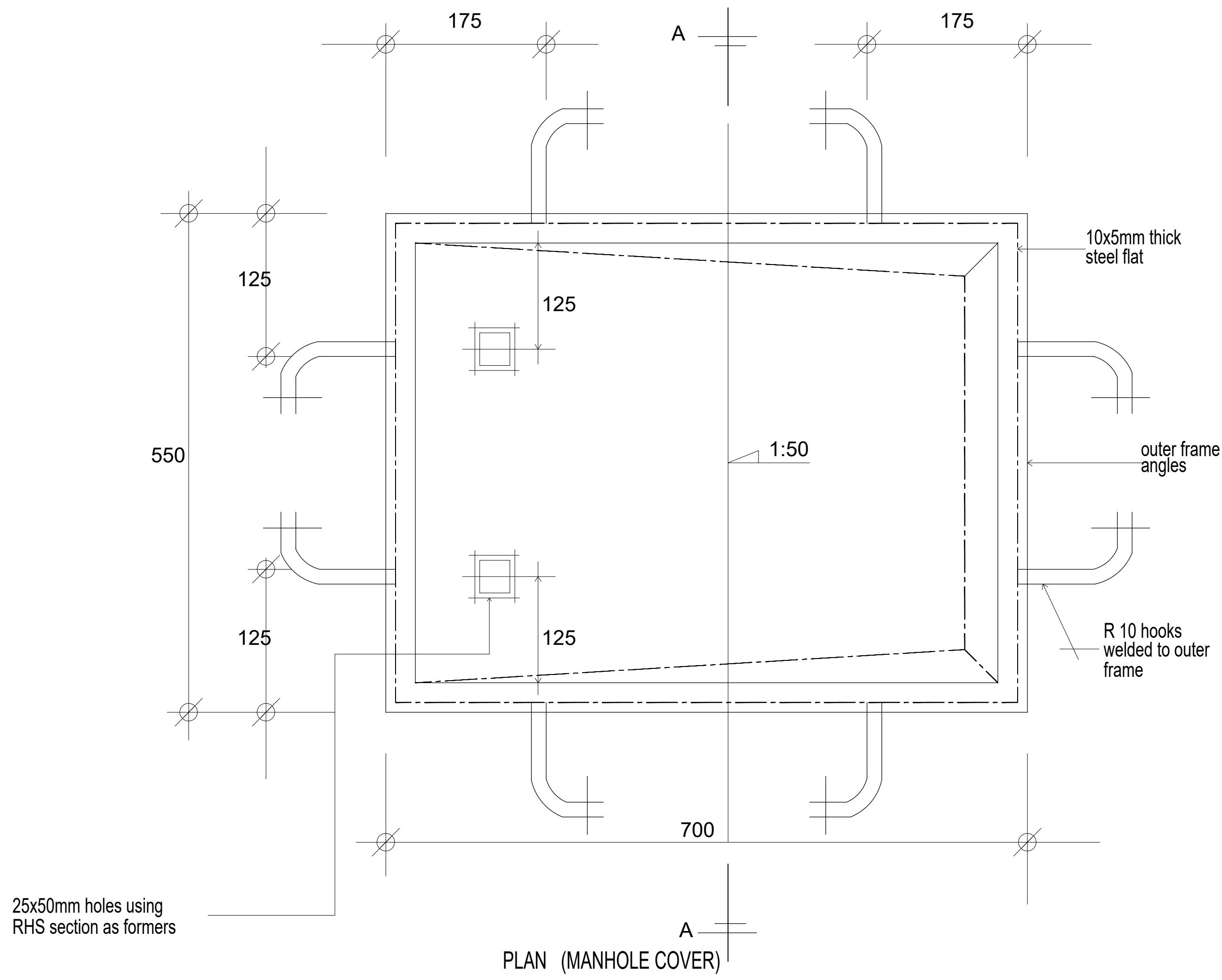
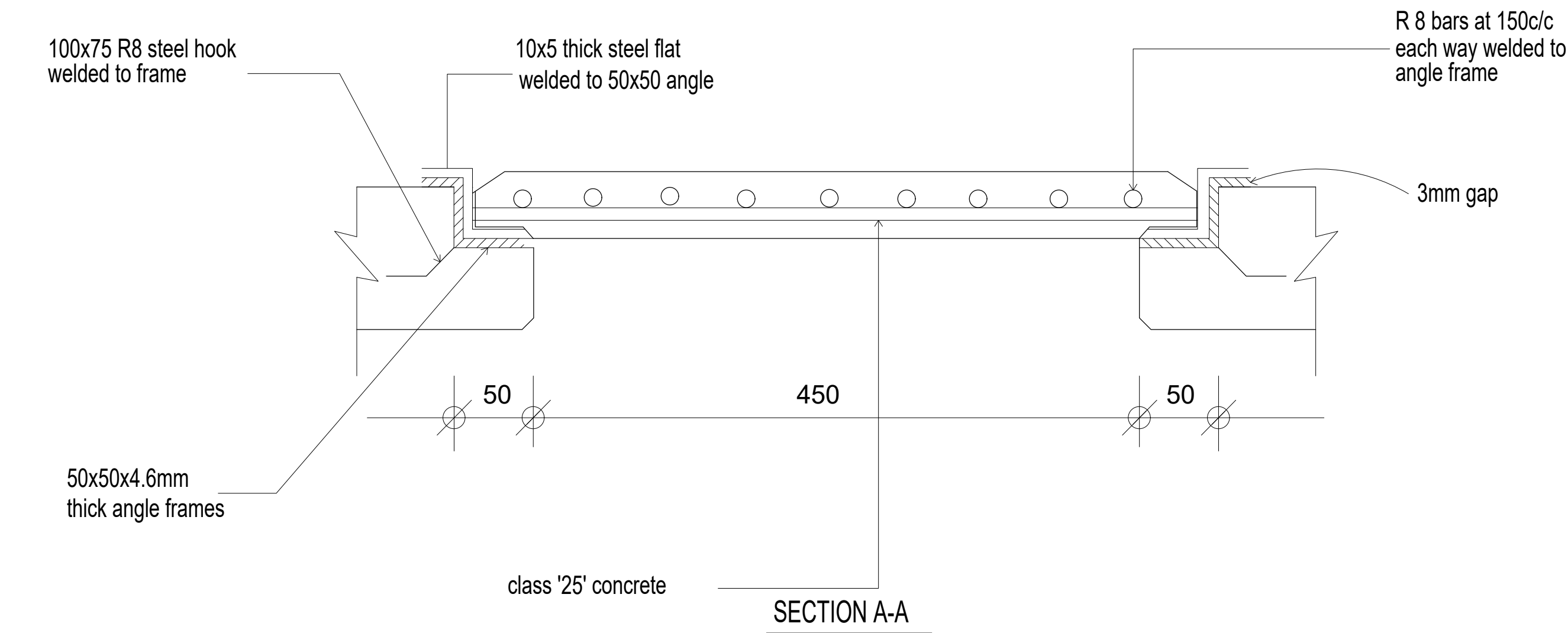
DETAIL A — 2mm THICK  
BLOCK PLATE

SCALE 1 : 1

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

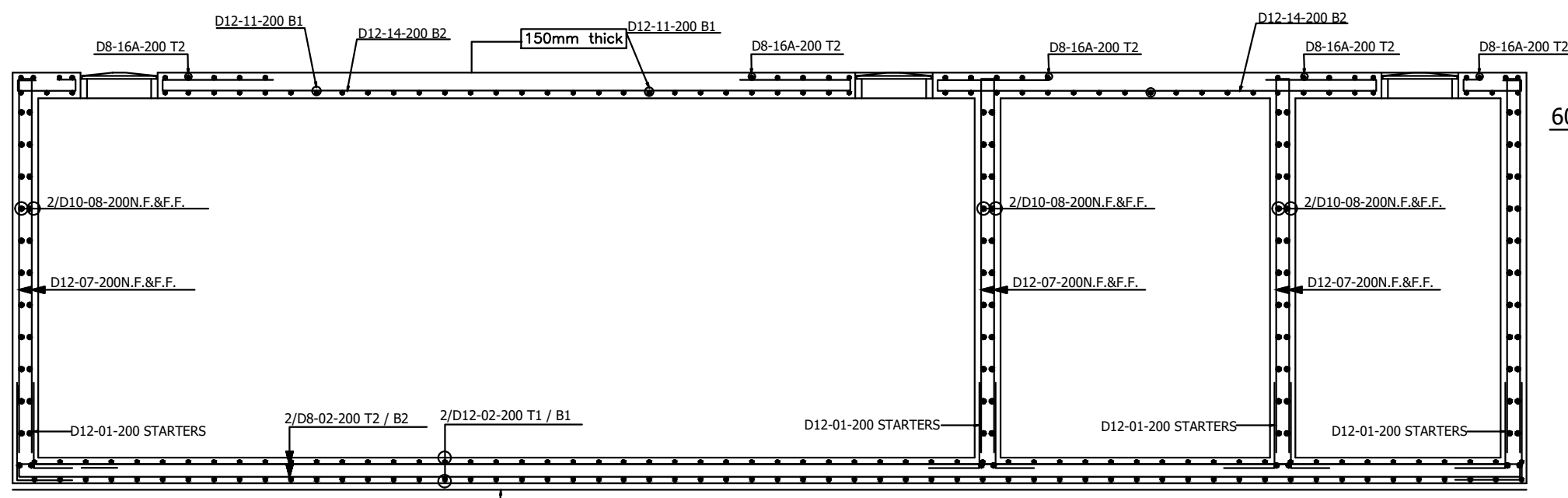
**DRAWING NO. 12-002-23**



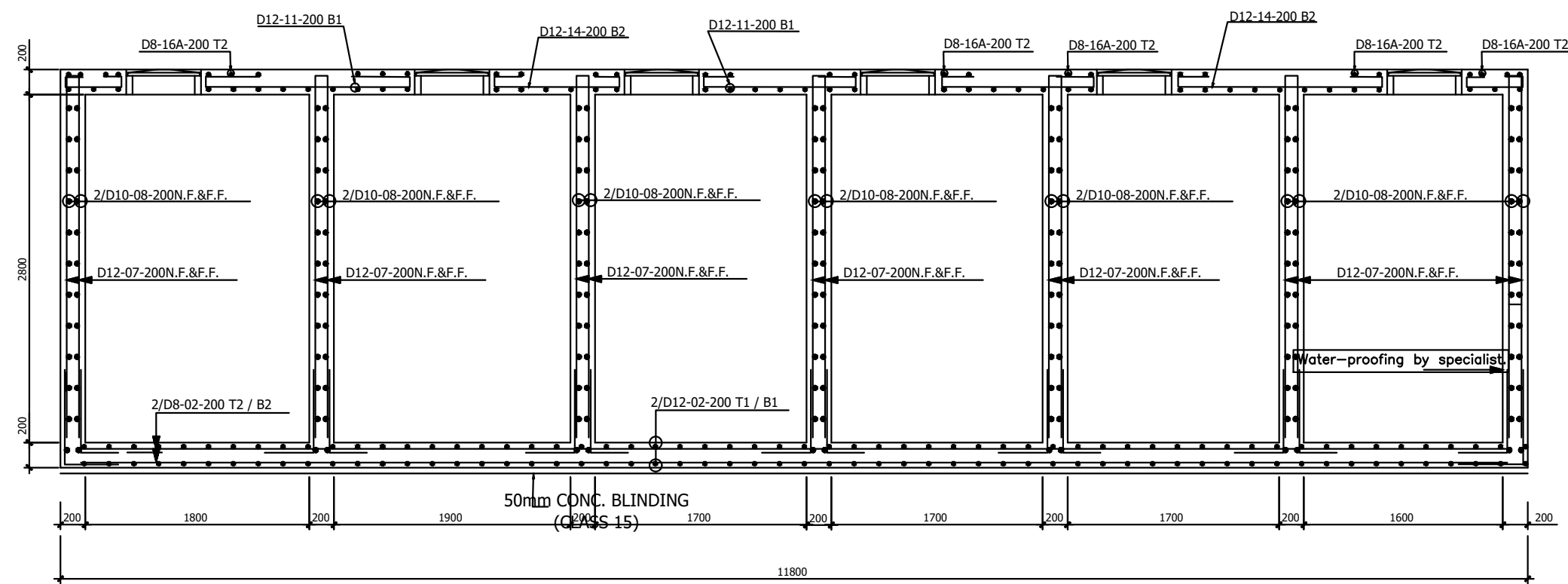


Consultant:- <b>ARPRIM CONSORTIUM</b> P.O. Box 12969-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com	CLIENT:- <b>STATE DEPARTMENT FOR FISHERIES,          AQUACULTURE AND THE BLUE ECONOMY.</b>	PROJECT:- <b>PROPOSED KENYA MARINE FISHERIES AND          SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL          AND COUNTY FISHERIES INFRASTRUCTURE.</b>	PROJECT TITLE:- <b>PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.</b>  DRAWING TITLE:- <b>CIVIL WORKS 3</b>	<b>NOTES</b> 1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2. All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be: Stairs, Slabs & Walls = 35mm Beams (main bars) = 35mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm 5. Maximum tolerance on concrete cover is +/- 5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 50Ø unless stated otherwise. 8. Safe Bearing Pressure taken to be 250 KN/m². 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Concrete blinding to be Class 15 unless stated otherwise. 12. Masonry Strength to be 7.0 N/mm².	<table border="1"> <thead> <tr> <th>Designed by</th> <th>DAN</th> <th>Rev</th> <th>Description</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Drawn by</td> <td>DAN</td> <td>D</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Checked by</td> <td>HOH</td> <td>C</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Scale</td> <td>AS SHOWN</td> <td>B</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>A</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>DRAWING NO. 12-002-24</b> </div>	Designed by	DAN	Rev	Description	By	Date	Drawn by	DAN	D				Checked by	HOH	C				Scale	AS SHOWN	B						A			
Designed by	DAN	Rev	Description	By	Date																														
Drawn by	DAN	D																																	
Checked by	HOH	C																																	
Scale	AS SHOWN	B																																	
		A																																	

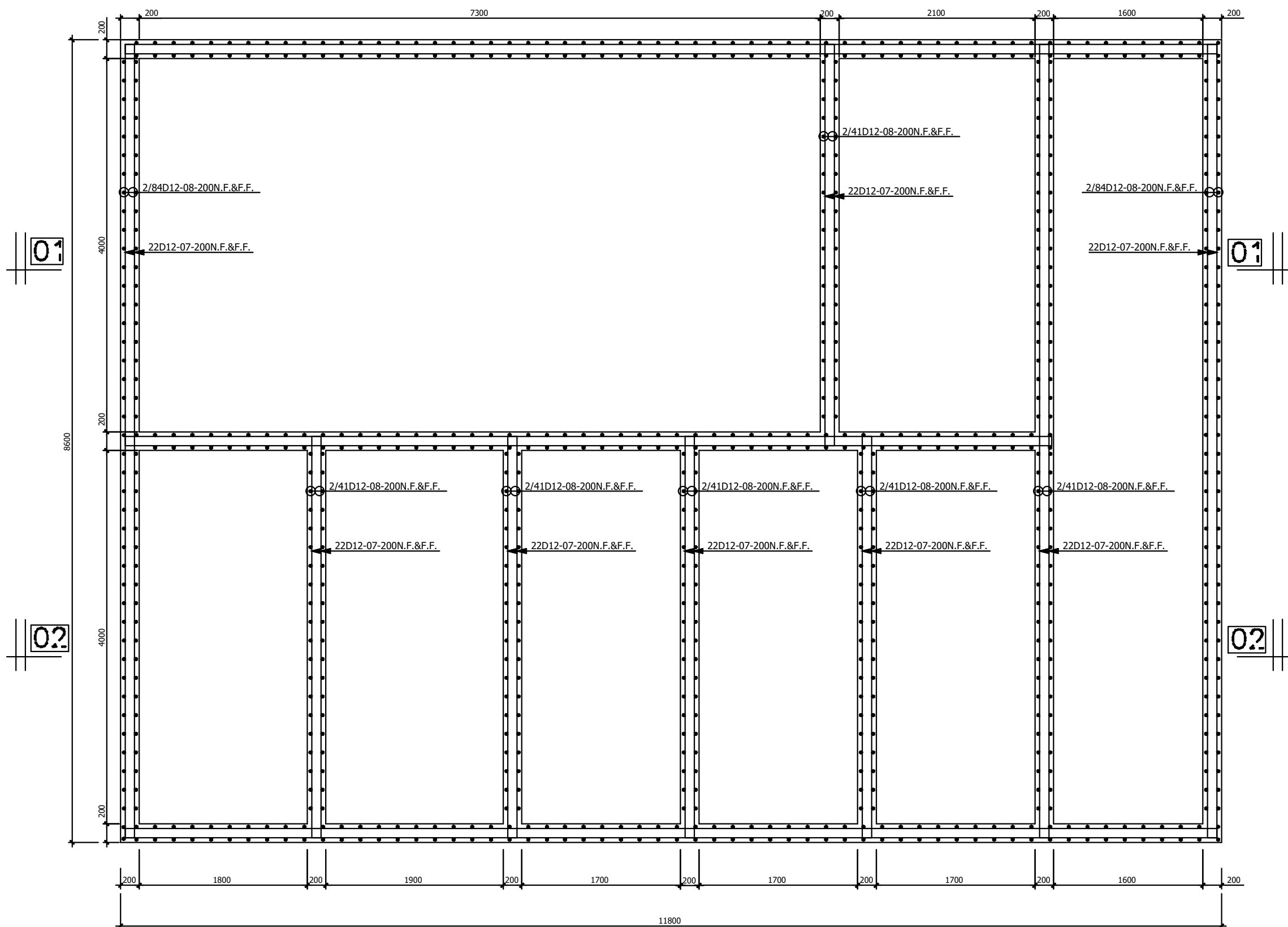




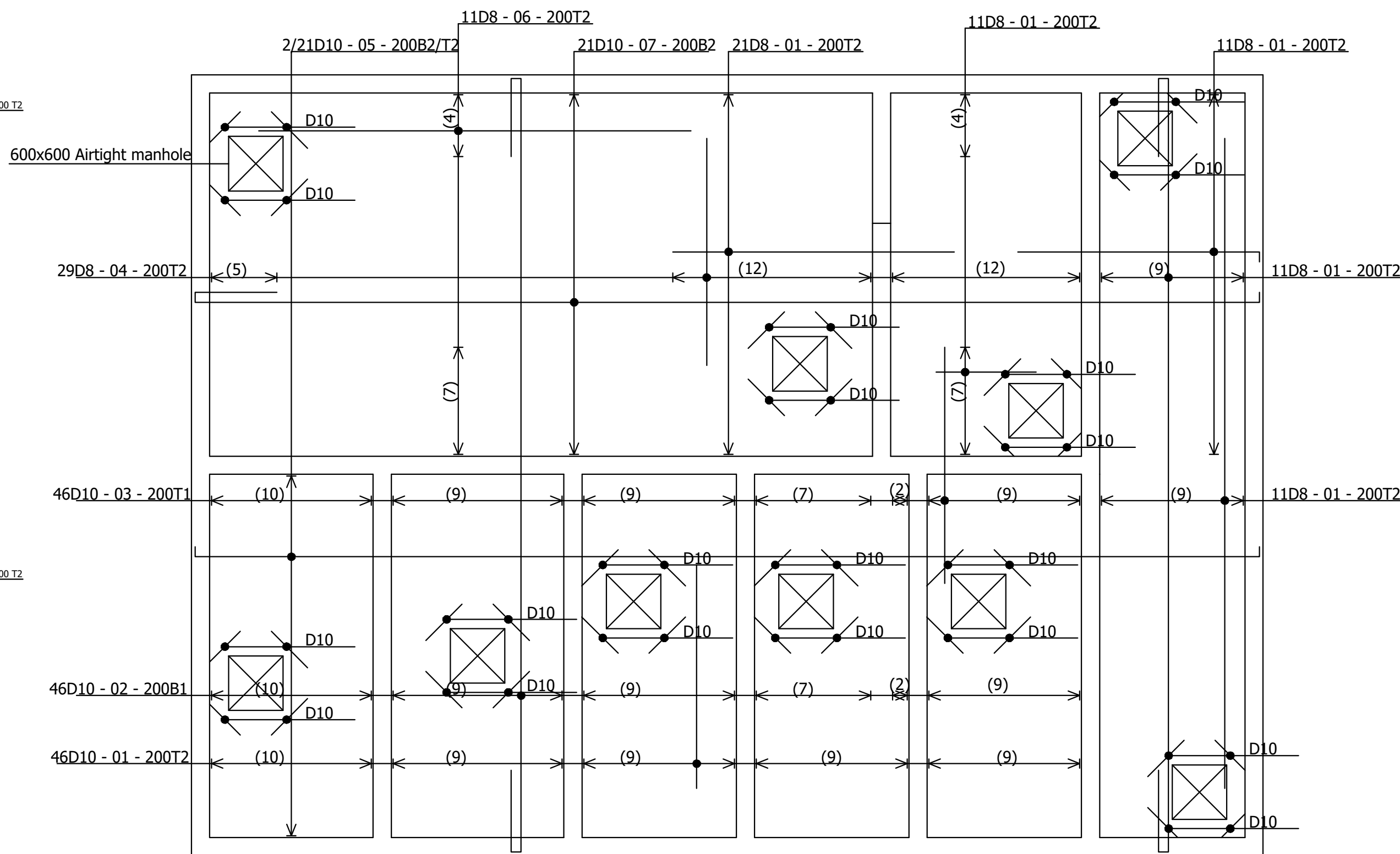
SECTION 01 - 01: REINFORCEMENTS DETAILS.  
SCALE 1:25



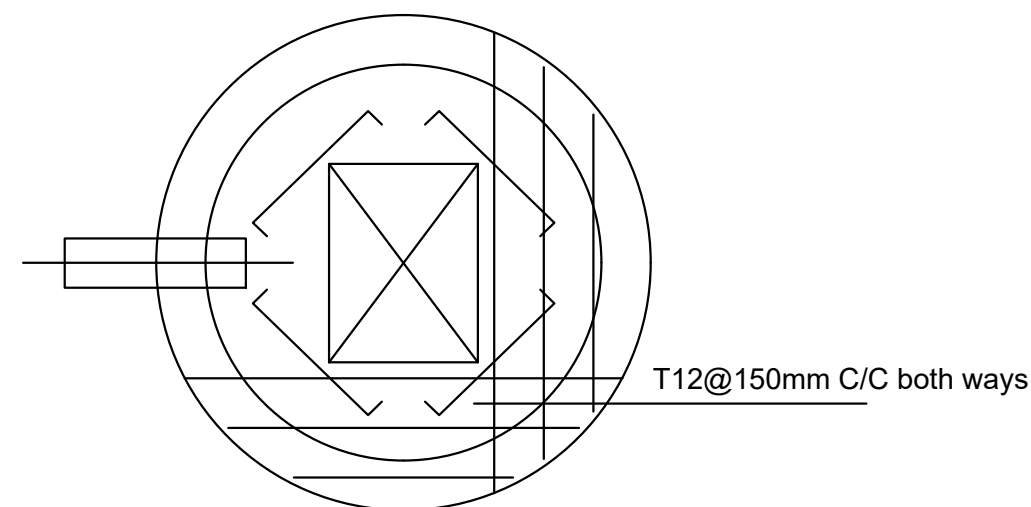
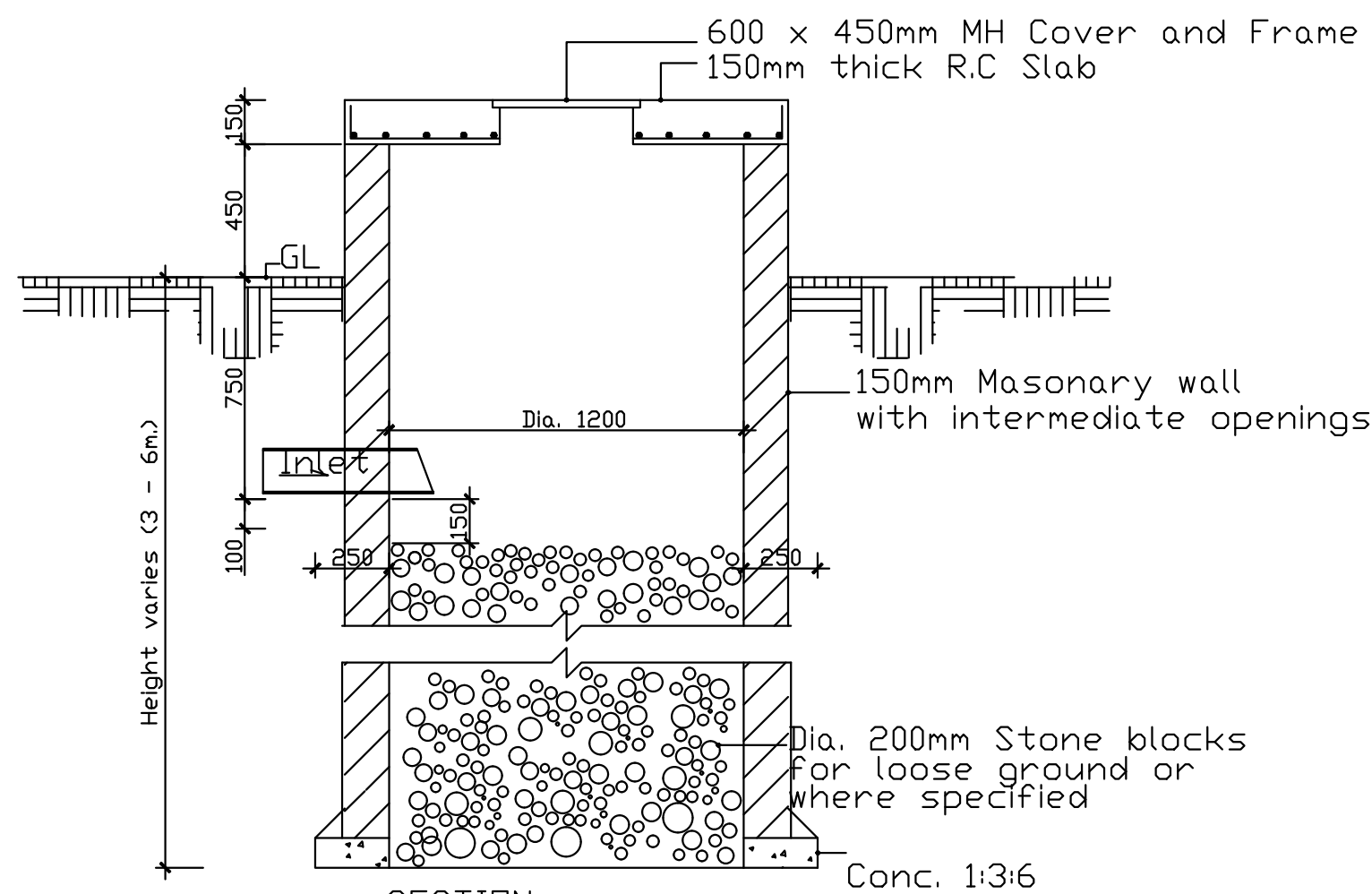
SECTION 02 - 02: REINFORCEMENTS DETAILS.  
SCALE 1:25



FOUNDATION / BOTTOM SLAB LAYOUT  
SCALE 1:25



TOP SLAB LAYOUT  
150mm THICK SOLID SLAB  
SCALE 1:25



Plan  
(Depth of Soak pit to be determined on site)

## SOAK PIT DETAILS

Consultant:-  
**ARPRIM CONSORTIUM**  
P.O. Box 12969-00100,  
Nairobi, KENYA.  
Tel: 02 608 906  
Fax: 02 608 907  
E-mail: info@arprimconsultants.com

CLIENT:-  
**STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE AND THE BLUE ECONOMY.**

PROJECT:-  
**PROPOSED KENYA MARINE FISHERIES AND  
SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL  
AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-  
**PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.**

DRAWING TITLE:-  
**TYPICAL DETAIL FOR BIODIGESTER & BIOREACTOR AND  
SOAK PIT DETAIL**

### NOTES

1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement to be:

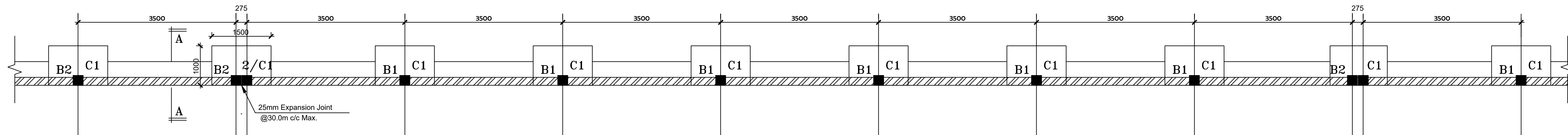
- Stairs, Slabs & Walls = 35mm
- Beams (main bars) = 35mm
- Post-tensioned beams = 40mm
- Columns (main bars) = 50mm
- Foundations = 75mm
- 5. Maximum tolerance on concrete cover is +/- 5mm.
- 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.
- 7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

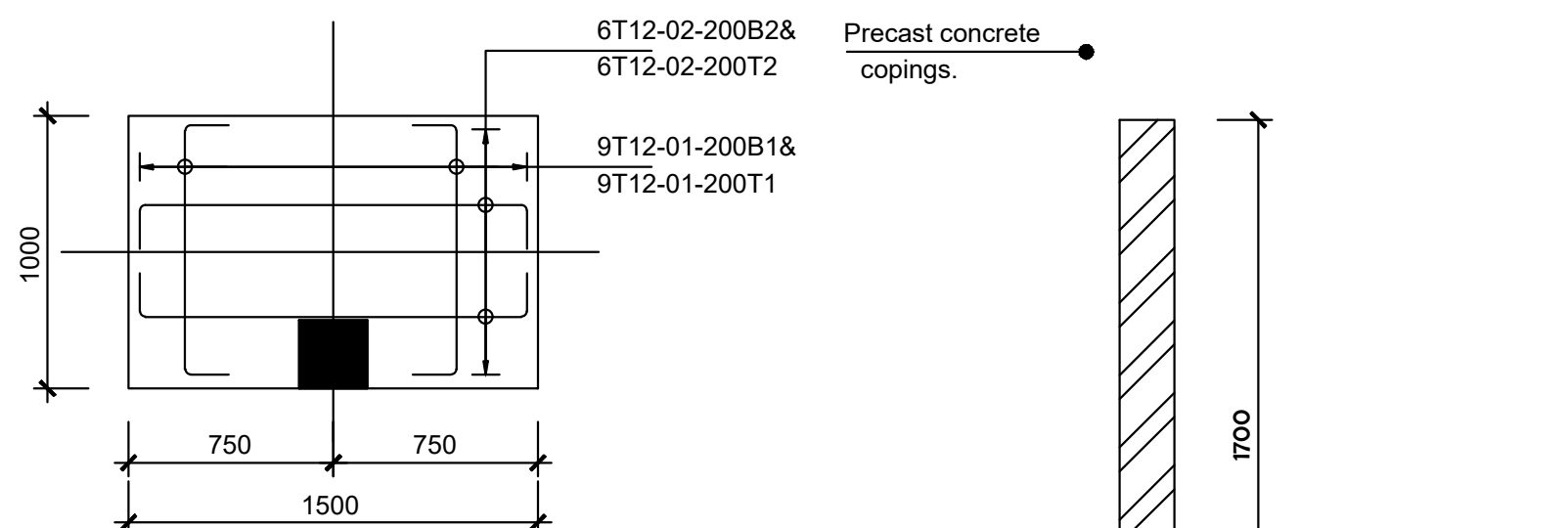
DRAWING NO. 12-002-25



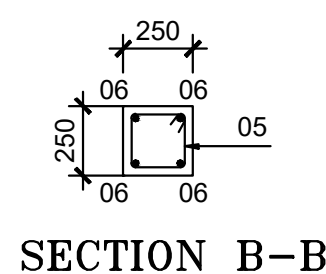


PART BOUNDARY WALL 2: FOUNDATION LAYOUT.

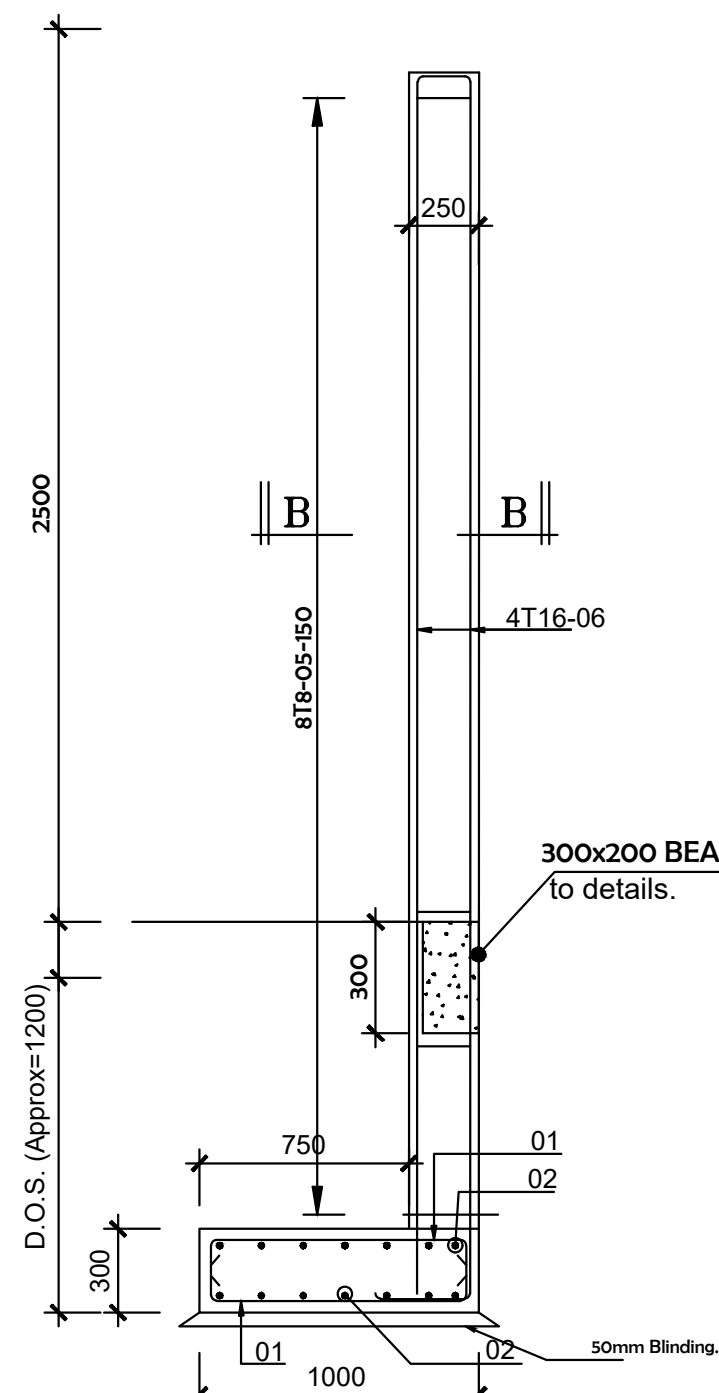
SCALE 1:50



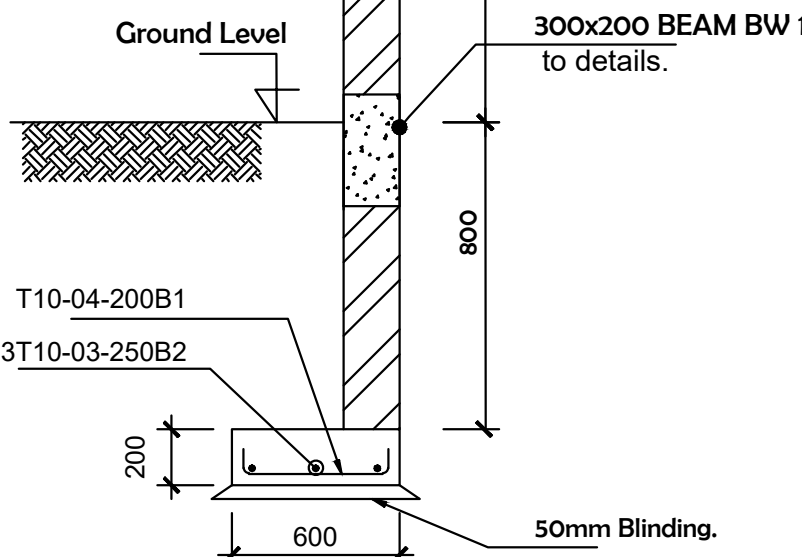
1000x1500x300  
BASE B1  
SCALE 1:25



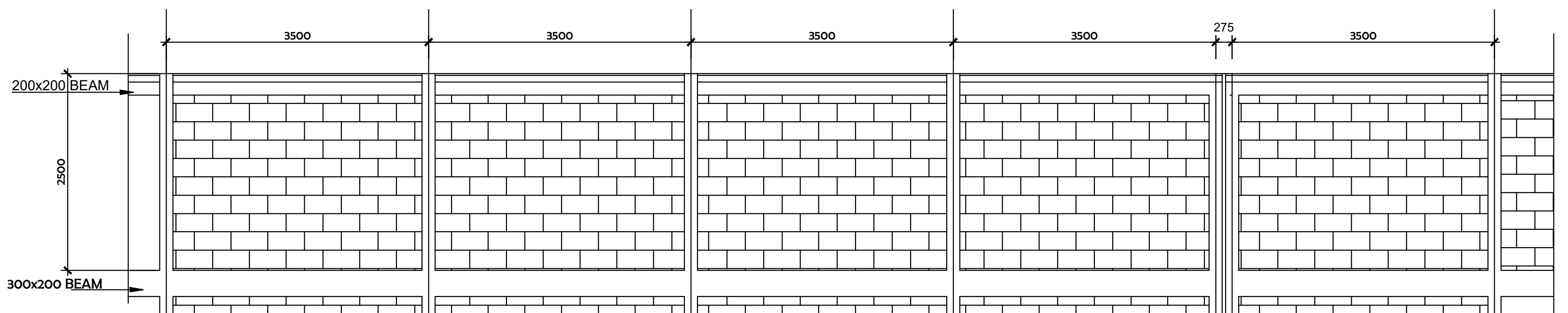
SECTION B-B



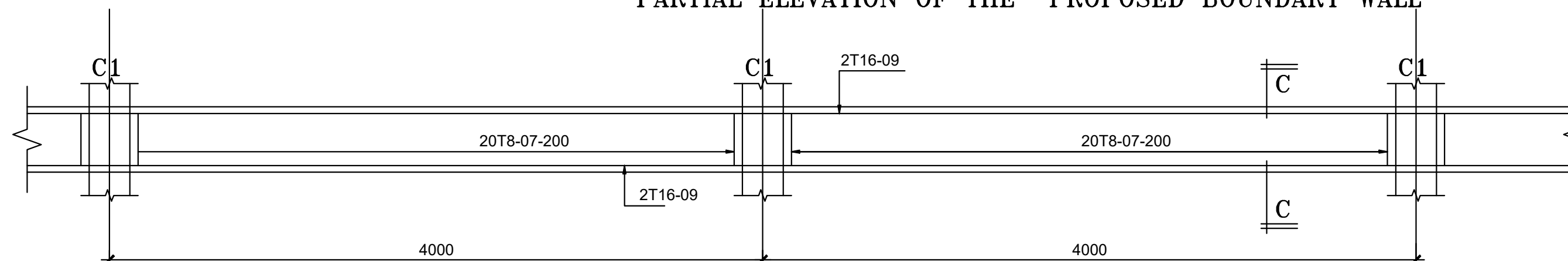
BOUNDARY WALL: COLUMNS C1  
SCALE 1:25



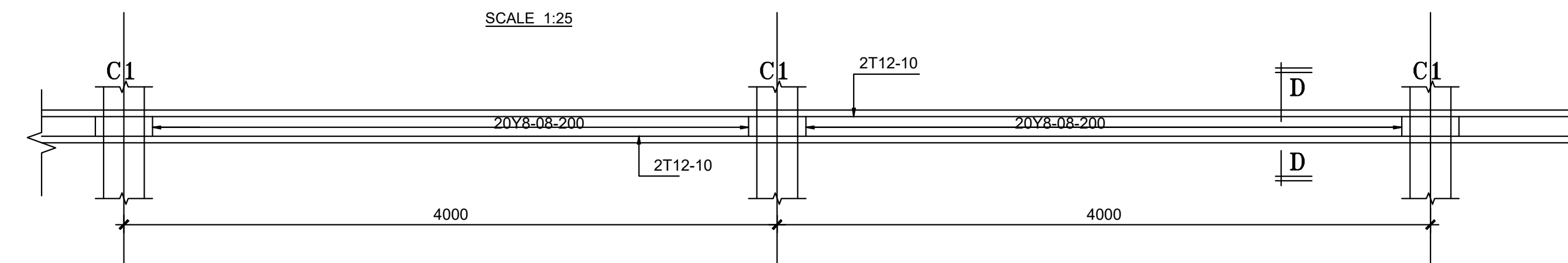
BOUNDARY WALL: SECTION A-A.  
SCALE 1:25



PARTIAL ELEVATION OF THE PROPOSED BOUNDARY WALL



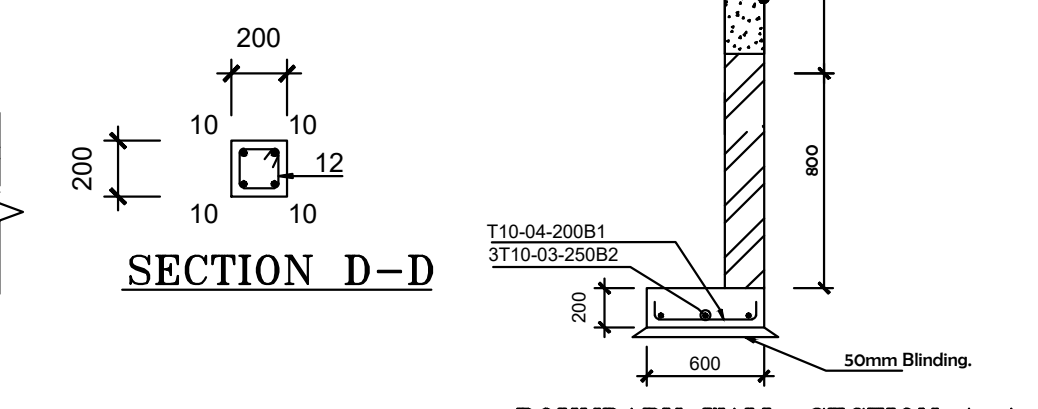
300x200 BEAM BW 2  
SCALE 1:25



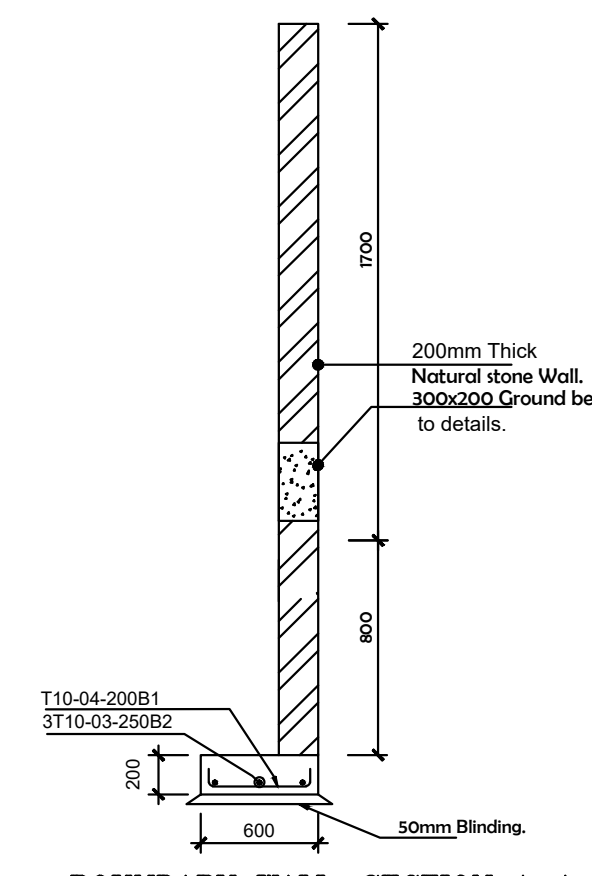
200x200 BEAM BW 2  
SCALE 1:25



SECTION C-C



SECTION D-D



BOUNDARY WALL: SECTION A-A.  
SCALE 1:25

<div>Consultant:-</div> <div>ARPRIM CONSORTIUM</div> <div>P.O. Box 12969-00100,</div> <div>Nairobi, KENYA.</div> <div>Tel: 02 608 906</div> <div>Fax: 02 608 907</div> <div>E-mail: info@arprimconsultants.com</div>	<div>CLIENT:-</div> <div>STATE DEPARTMENT FOR FISHERIES,</div> <div>AQUACULTURE AND THE BLUE ECONOMY.</div>	<div>PROJECT:-</div> <div>PROPOSED KENYA MARINE FISHERIES AND</div> <div>SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL</div> <div>AND COUNTY FISHERIES INFRASTRUCTURE.</div>	<div>PROJECT TITLE:-</div> <div>PROPOSED MWAPE FISH LANDING SITE, KWALE COUNTY.</div>	<div>NOTES</div> <div>1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.</div> <div>2. All dimensions are in millimetres unless specified otherwise.</div> <div>3. All levels are indicated in m unless specified otherwise.</div> <div>4. Minimum cover to all reinforcement to be:</div> <div>Stairs, Slabs &amp; Walls</div> <div>Beams (main bars) = 25mm</div> <div>Post-tensioned beams = 40mm</div> <div>Columns (main bars) = 50mm</div> <div>Foundations = 75mm</div> <div>5. Maximum tolerance on concrete cover is +/- 5mm.</div> <div>6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.</div> <div>7. Minimum laps to all bars to be 500 unless stated otherwise.</div> <div>8. Safe Bearing Pressure taken to be 250 KN/m<sup>2</sup>.</div> <div>9. Nominal aggregate size to be 20mm.</div> <div>10. Structural concrete to be Class 25 unless stated otherwise.</div> <div>11. Concrete blinding to be Class 15 unless stated otherwise.</div> <div>12. Masonry Strength to be 7.0 N/mm<sup>2</sup>.</div>	<div>Designed by</div> <div>DAN</div>	Rev	Description	By	Date
					<div>Drawn by</div> <div>DAN</div>	D			
					<div>Checked by</div> <div>HOH</div>	C			
					<div>Scale</div> <div>AS SHOWN</div>	B			
						A			
<div>DRAWING TITLE:-</div> <div>BOUNDARY WALL DETAILS</div>				<div>DRAWING NO. 12-002-26</div>					



## DRAWING TITLE: PROPOSED CONSTRUCTION OF MWAEPE FISH LANDING SITE

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	ELECTRICAL ENGINEERING DRAWINGS				
1	LIST OF DRAWINGS	12- 003M- 001	A3	PDF/ EXCEL	Provided
2	POLYFUNCTION BUILDING GROUND FLOOR DRAINAGE LAYOUT	12- 003M- 002	A2	PDF/ DWG	Provided
3	POLYFUNCTION BUILDING GROUND FLOOR PLUMBING LAYOUT	12- 003M- 003	A2	PDF/ DWG	Provided
4	POLYFUNCTION BUILDING FIRST FLOOR DRAINAGE LAYOUT	12- 003M- 004	A2	PDF/ DWG	Provided
5	POLYFUNCTION BUILDING FIRST FLOOR PLUMBING LAYOUT	12- 003M- 005	A2	PDF/ DWG	Provided
6	POLYFUNCTION BUILDING SECOND FLOOR PLUMBING & DRAINAGE LAYOUT	12- 003M- 006	A2	PDF/ DWG	Provided
7	POLYFUNCTION BUILDING THIRD FLOOR PLUMBING & DRAINAGE LAYOUT	12- 003M- 007	A2	PDF/ DWG	Provided
8	POLYFUNCTION BUILDING ROOF DRAINAGE LAYOUT	12- 003M- 008	A2	PDF/ DWG	Provided
9	ABLUTION BLOCK GROUND FLOOR DRAINAGE LAYOUT	12- 003M- 009	A2	PDF/ DWG	Provided
10	ABLUTION BLOCK GROUND FLOOR PLUMBING LAYOUT	12- 003M- 010	A2	PDF/ DWG	Provided
11	ABLUTION BLOCK ROOF PLUMBING & DRAINAGE LAYOUT	12- 003M- 011	A2	PDF/ DWG	Provided
12	RESTAURANT GROUND FLOOR DRAINAGE LAYOUT	12- 003M- 012	A2	PDF/ DWG	Provided
13	RESTAURANT GROUND FLOOR PLUMBING LAYOUT	12- 003M- 013	A2	PDF/ DWG	Provided
14	RESTAURANT ROOF PLUMBING & DRAINAGE LAYOUT	12- 003M- 014	A2	PDF/ DWG	Provided
15	FISH BANDA GROUND FLOOR DRAINAGE	12- 003M- 015	A2	PDF/ DWG	Provided
16	FISH BANDA GROUND FLOOR PLUMBING	12- 003M- 016	A2	PDF/ DWG	Provided
17	FISH BANDA FIRST FLOOR PLUMBING & DRAINAGE	12- 003M- 017	A2	PDF/ DWG	Provided
18	FISH BANDA ROOF DRAINAGE	12- 003M- 018	A2	PDF/ DWG	Provided
19	TYPICAL STALL GROUND FLOOR DRAINAGE LAYOUT	12- 003M- 019	A2	PDF/ DWG	Provided
20	TYPICAL STALL GROUND FLOOR PLUMBING LAYOUT	12- 003M- 020	A2	PDF/ DWG	Provided
21	TYPICAL STALL ROOF PLUMBING & DRAINAGE LAYOUT	12- 003M- 021	A2	PDF/ DWG	Provided
22	GATE HOUSE DRAINAGE	12- 003M- 022	A2	PDF/ DWG	Provided
23	GATE HOUSE PLUMBING	12- 003M- 023	A2	PDF/ DWG	Provided
24	SITE PLAN WATER RETICULATION	12- 003M- 024	A2	PDF/ DWG	Provided





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION GROUND  
FLOOR DRAINAGE LAYOUT

Dwg. No. 12- 003M- 002

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024

LEGEND

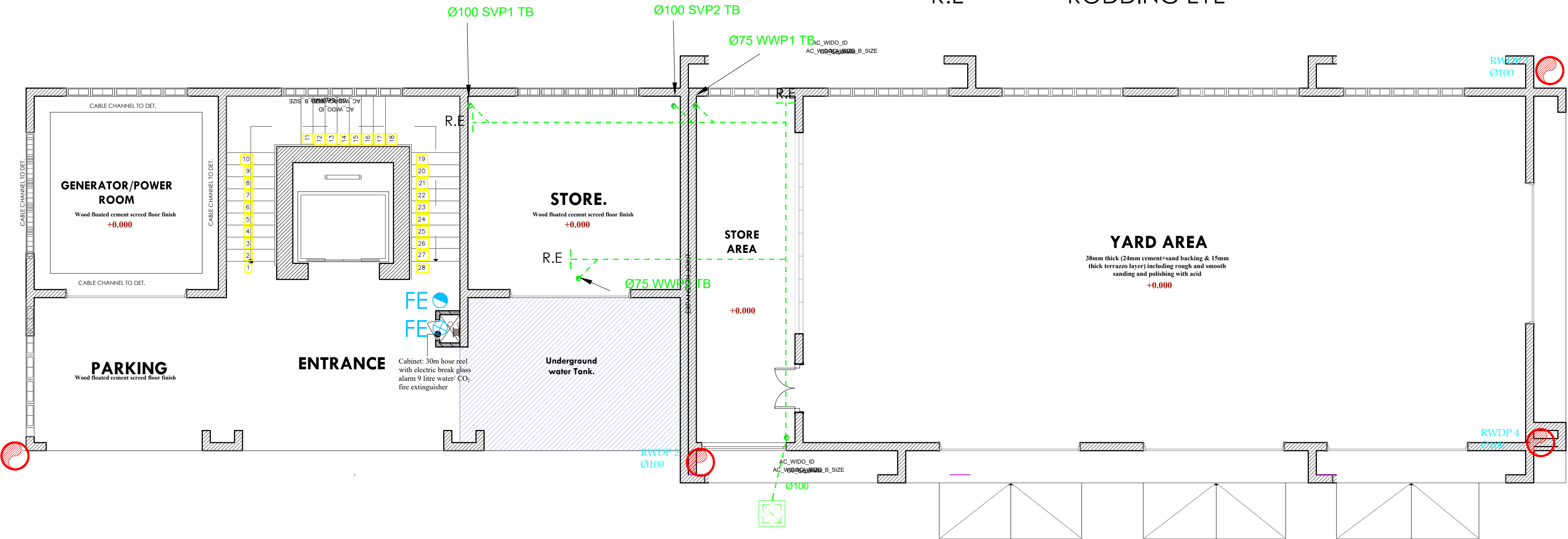
- WVP ——— WASTE VENT PIPE  
SVP ——— SOIL VENT PIPE  
I.S ——— INSIDE SLAB PIPING  
S ——— SURFACE PIPING  
TB ——— TO BELOW  
FA ——— FROM ABOVE

RWDP X  
Ø100

- RAIN WATER DOWN PIPE

- DRAINAGE SERVICES (uPVC GREY PIPE)

- R.E ——— RODDING EYE



GROUND FLOOR DRAINAGE



## NOTES

- REVISIONS:

**PROJECT TITLE:**

**CLIENT:**

**CLIENT'S SIGNATURE:**

**DRAWING TITLE:**

## POLYFUNCTION GROUND FLOOR PLUMBING LAYOUT

Dwg. No. **12- 003M- 003**

Scale:	NTS
--------	-----

Drawn by		Chek'd By	
----------	--	-----------	--

Project no.:

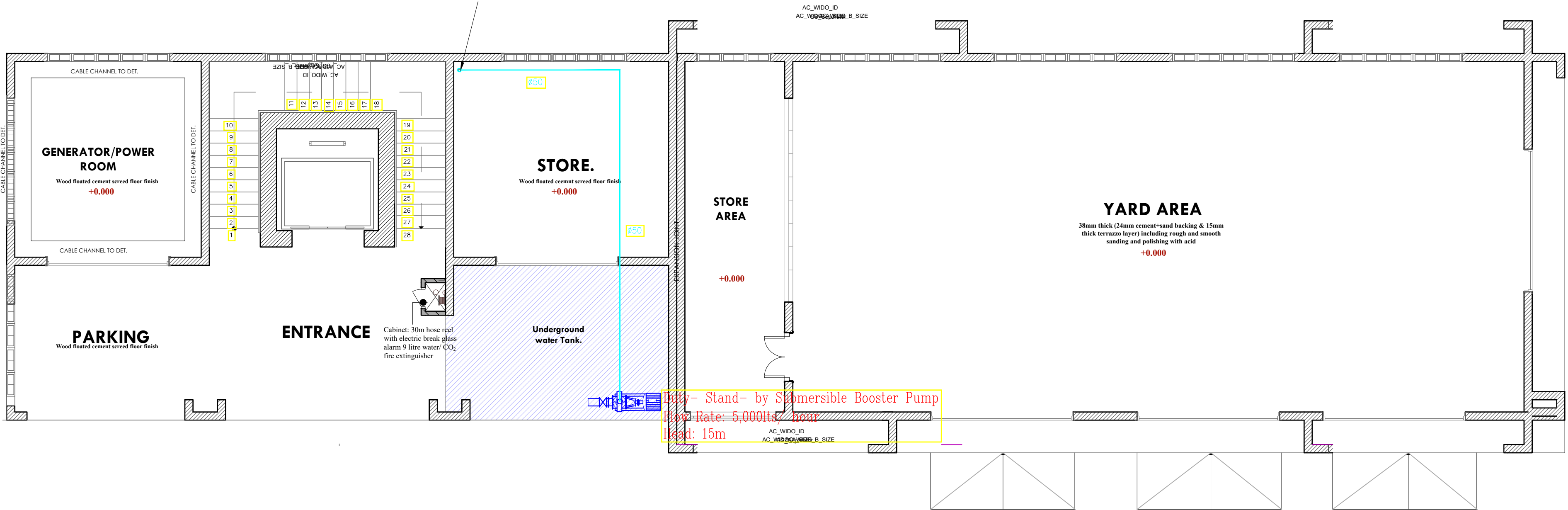
Date:

12

09/01/2024

## LEGEND

- ## Ø50TA



# GROUND FLOOR PLUMBING





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION FIRST  
FLOOR DRAINAGE LAYOUT

Dwg. No. 12- 003M- 004

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024

LEGEND

WVP — WASTE VENT PIPE

SVP — SOIL VENT PIPE

I.S — INSIDE SLAB PIPING

S — SURFACE PIPING

TB — TO BELOW

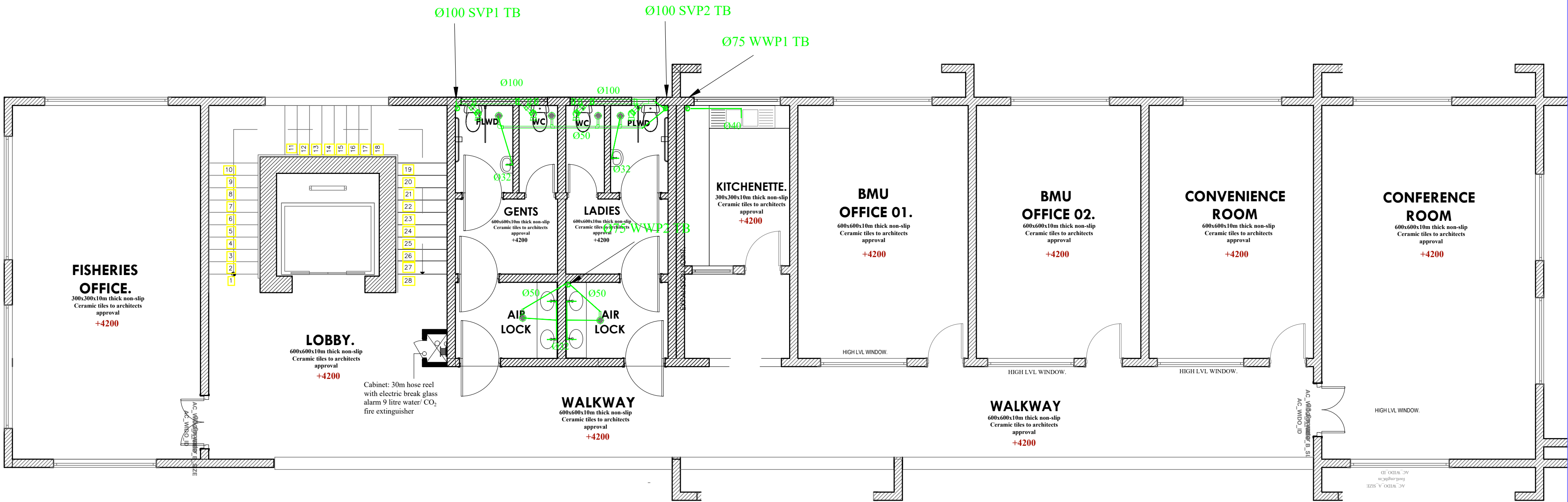
FA — FROM ABOVE

RWDP X  
Ø100



RAIN WATER DOWN PIPE

DRAINAGE SERVICES (uPVC GREY PIPE)



FIRST FLOOR DRAINAGE



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

POLYFUNCTION FIRST  
FLOOR PLUMBING LAYOUT

Dwg. No. **12- 003M- 005**

Scale: NTS

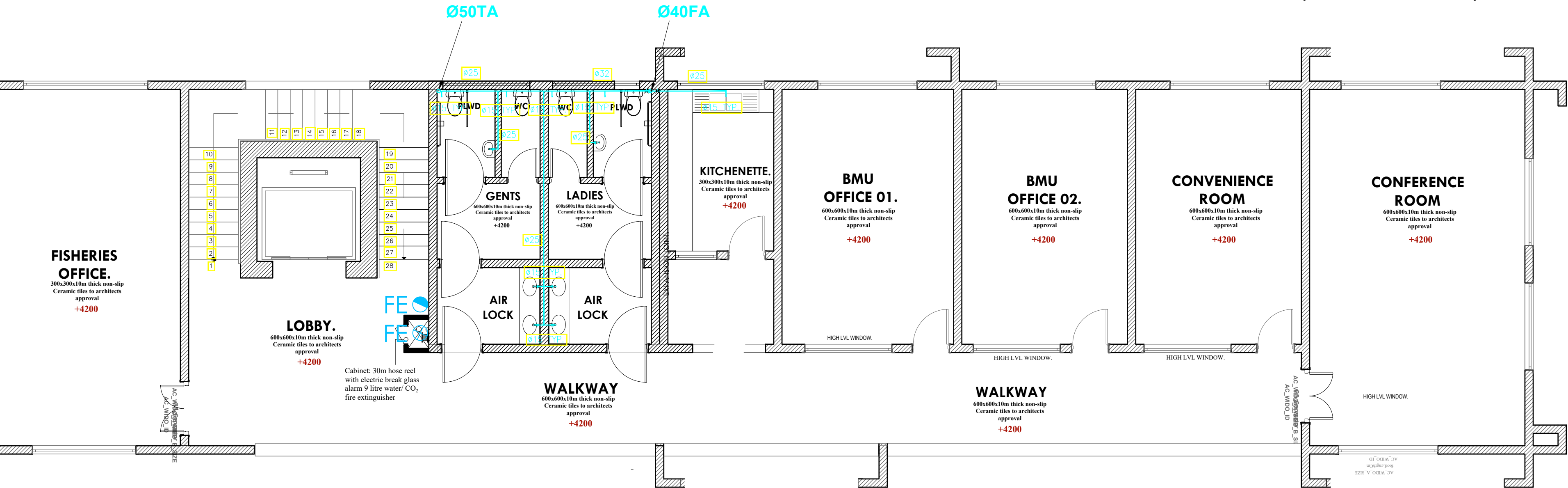
Drawn by \_\_\_\_\_ Chk'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2024

LEGEND

- CWS — COLD WATER SUPPLY  
TB — TO BELOW  
FA — FROM ABOVE  
TA — TO ABOVE  
FE — 9L WATER CO FIRE EXTINGUISHER  
FE — 9KG DRY POWDER FIRE EXTINGUISHER  
HR — 30m HOSEREEL  
— LANDING VALVE  
PPR — POLY PROPELEYNE RANDOM  
GMS — GALVANIZED STEEL PIPE (CLASS B)  
— PLUMBING SERVICES (PPR PN 20 MATERIAL)  
— HOSEREEL SERVICES (GMS CLASS 'B')



FIRST FLOOR PLUMBING





ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION SECOND  
FLOOR PLUMBING &  
DRAINAGE LAYOUT

Dwg. No. 12- 003M- 006

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date: 09/01/2024

LEGEND

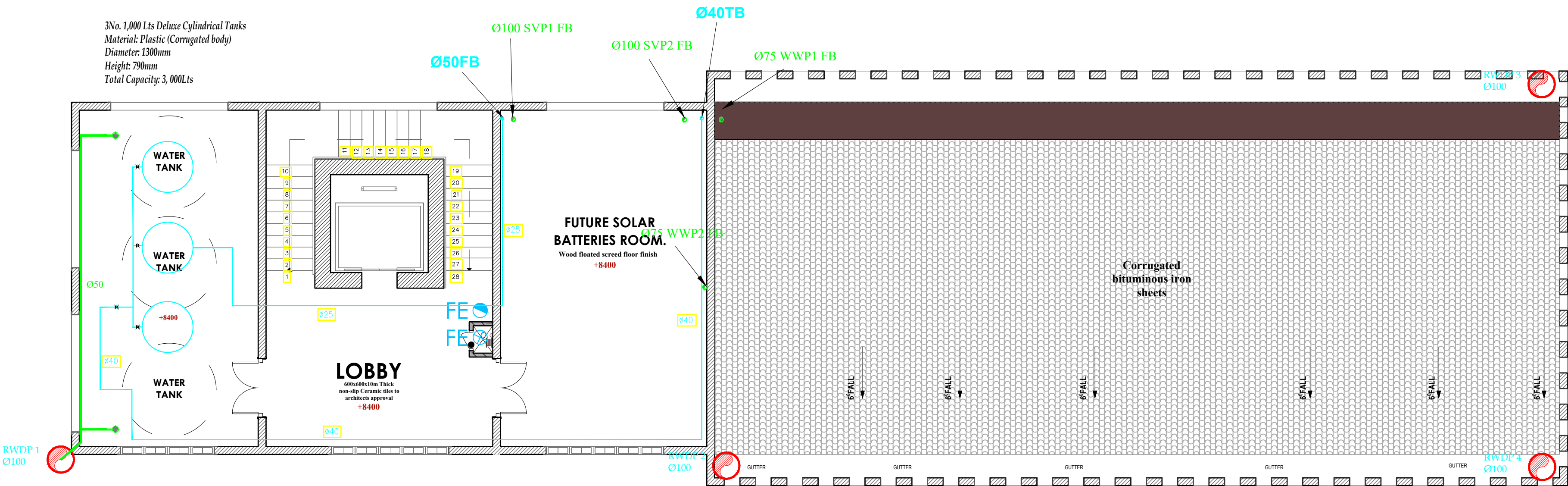
- WVP ——— WASTE VENT PIPE  
SVP ——— SOIL VENT PIPE  
I.S ——— INSIDE SLAB PIPING  
S ——— SURFACE PIPING  
TB ——— TO BELOW  
FA ——— FROM ABOVE

RWDP X  
Ø100



RAIN WATER DOWN PIPE

DRAINAGE SERVICES (uPVC GREY PIPE)



SECOND FLOOR PLUMBING & DRAINAGE



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION THIRD  
FLOOR PLUMBING &  
DRAINAGE LAYOUT

Dwg. No. 12- 003M- 007

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024

LEGEND

WVP ——— WASTE VENT PIPE

SVP ——— SOIL VENT PIPE

I.S ——— INSIDE SLAB PIPING

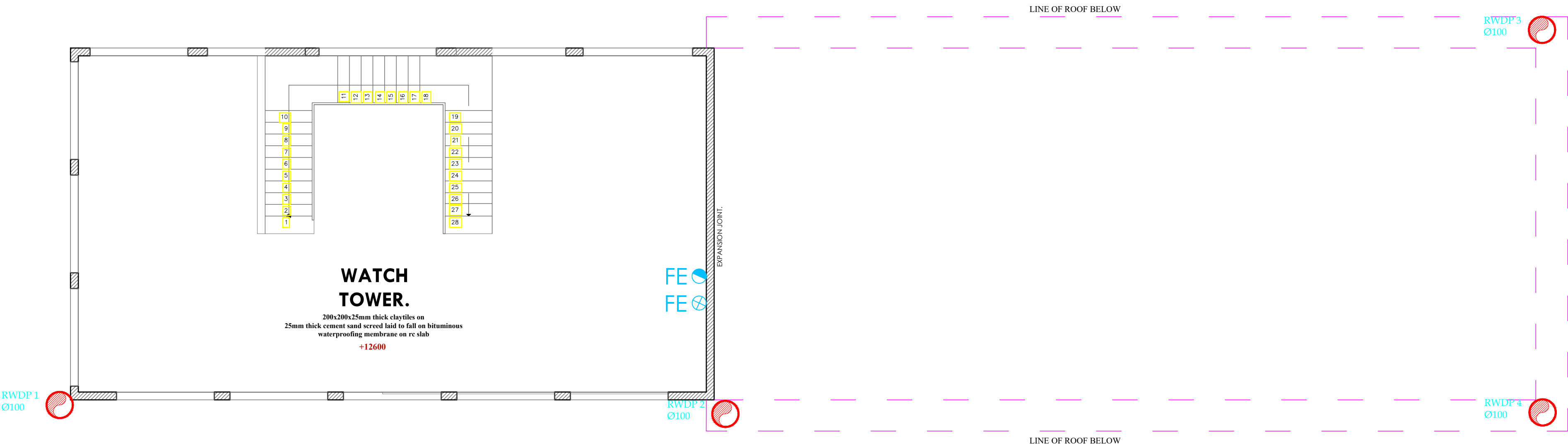
S ——— SURFACE PIPING

TB ——— TO BELOW

FA ——— FROM ABOVE

RWDP X Ø100 ——— RAIN WATER DOWN PIPE

————— DRAINAGE SERVISSES (uPVC GREY PIPE)



THIRD FLOOR PLUMBING & DRAINAGE





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION ROOF  
DRAINAGE LAYOUT

Dwg. No. 12- 003M- 008

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
12	09/01/2024

LEGEND

WVP ——— WASTE VENT PIPE

SVP ——— SOIL VENT PIPE

I.S ——— INSIDE SLAB PIPING

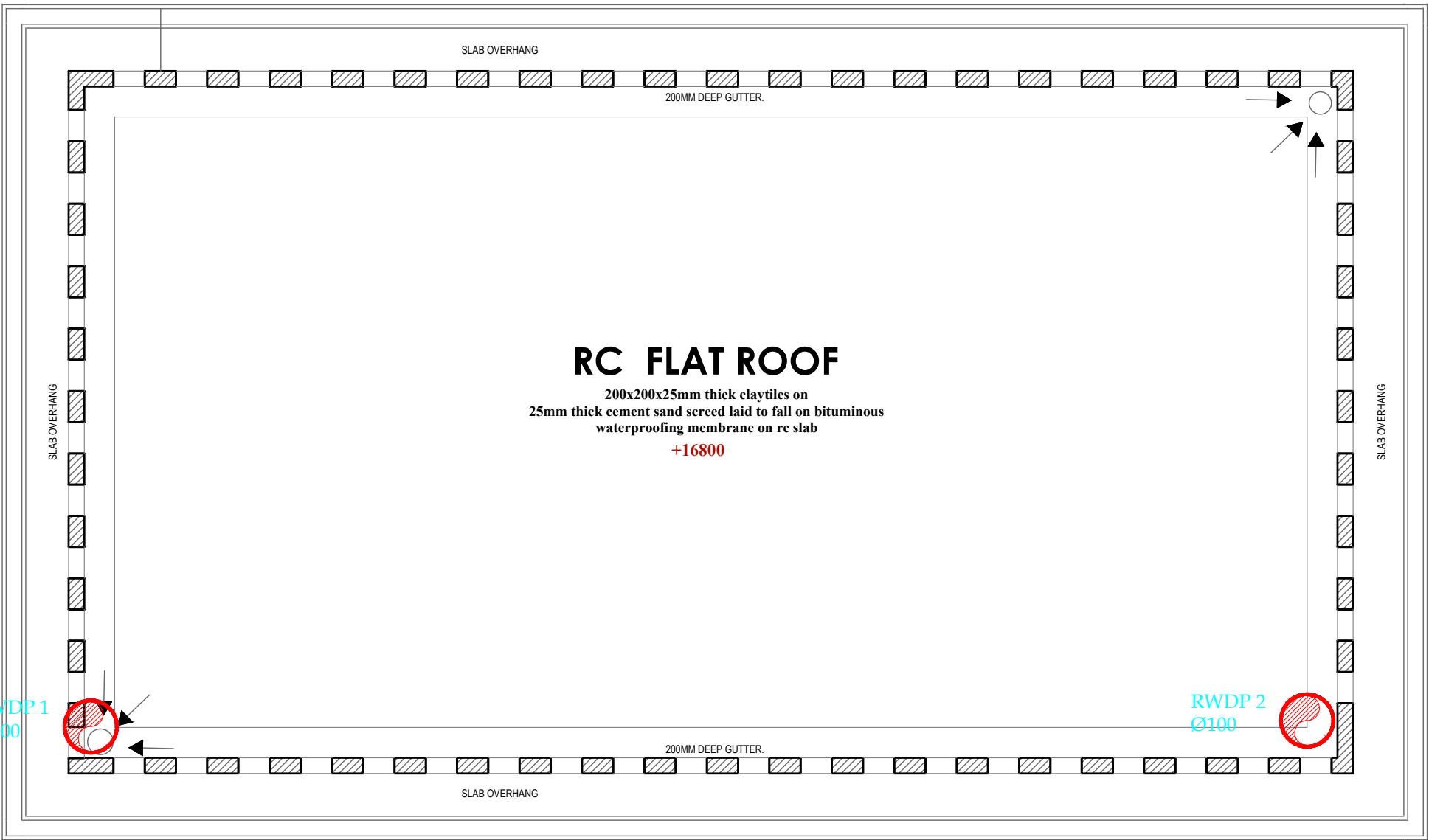
S ——— SURFACE PIPING

TB ——— TO BELOW

FA ——— FROM ABOVE

RWDP X Ø100  ——— RAIN WATER DOWN PIPE

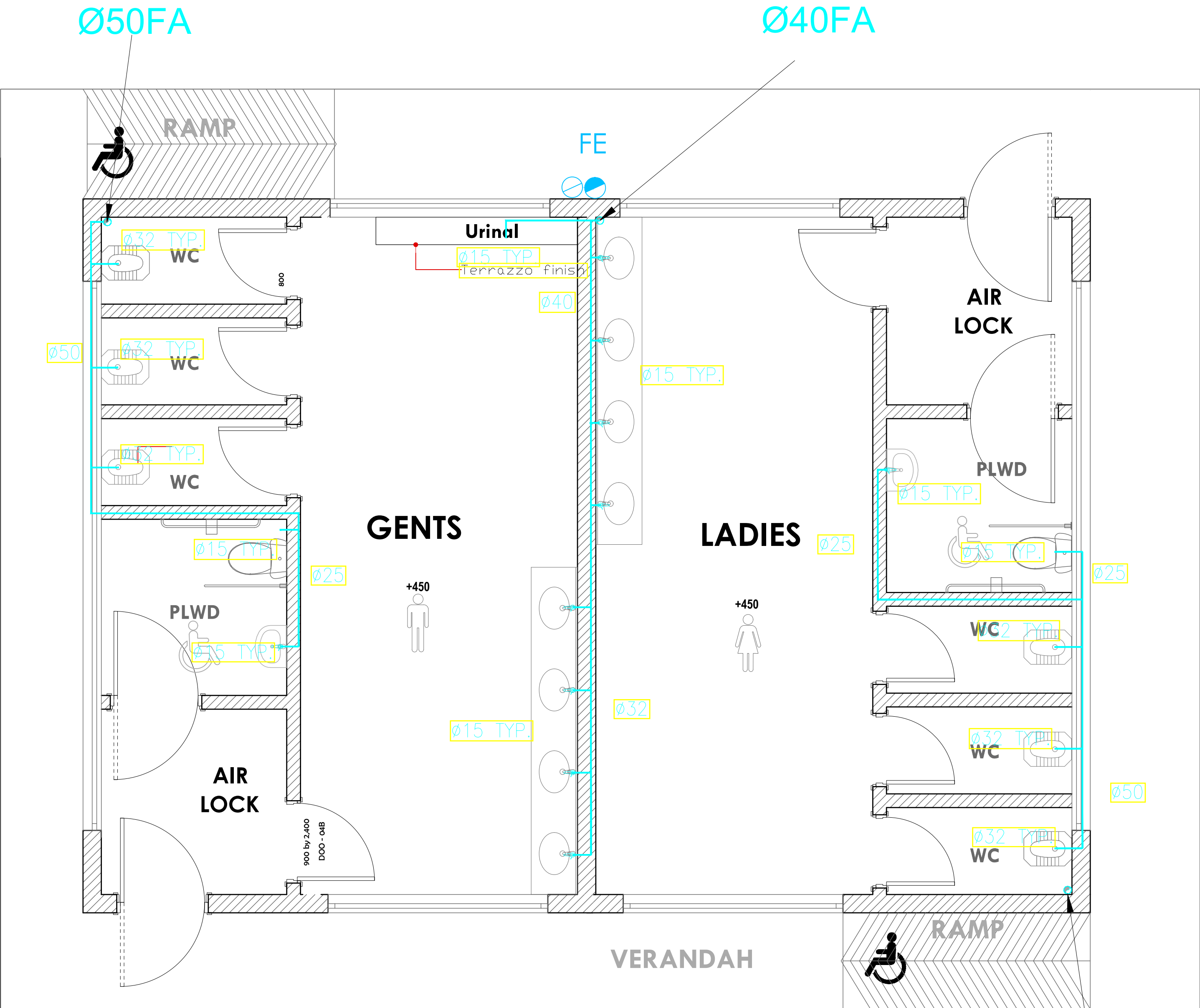
————— DRAINAGE SERVICES (uPVC GREY PIPE)



ROOF DRAINAGE







ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAERPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

ABLUTION BLOCK GROUND  
FLOOR PLUMBING LAYOUT

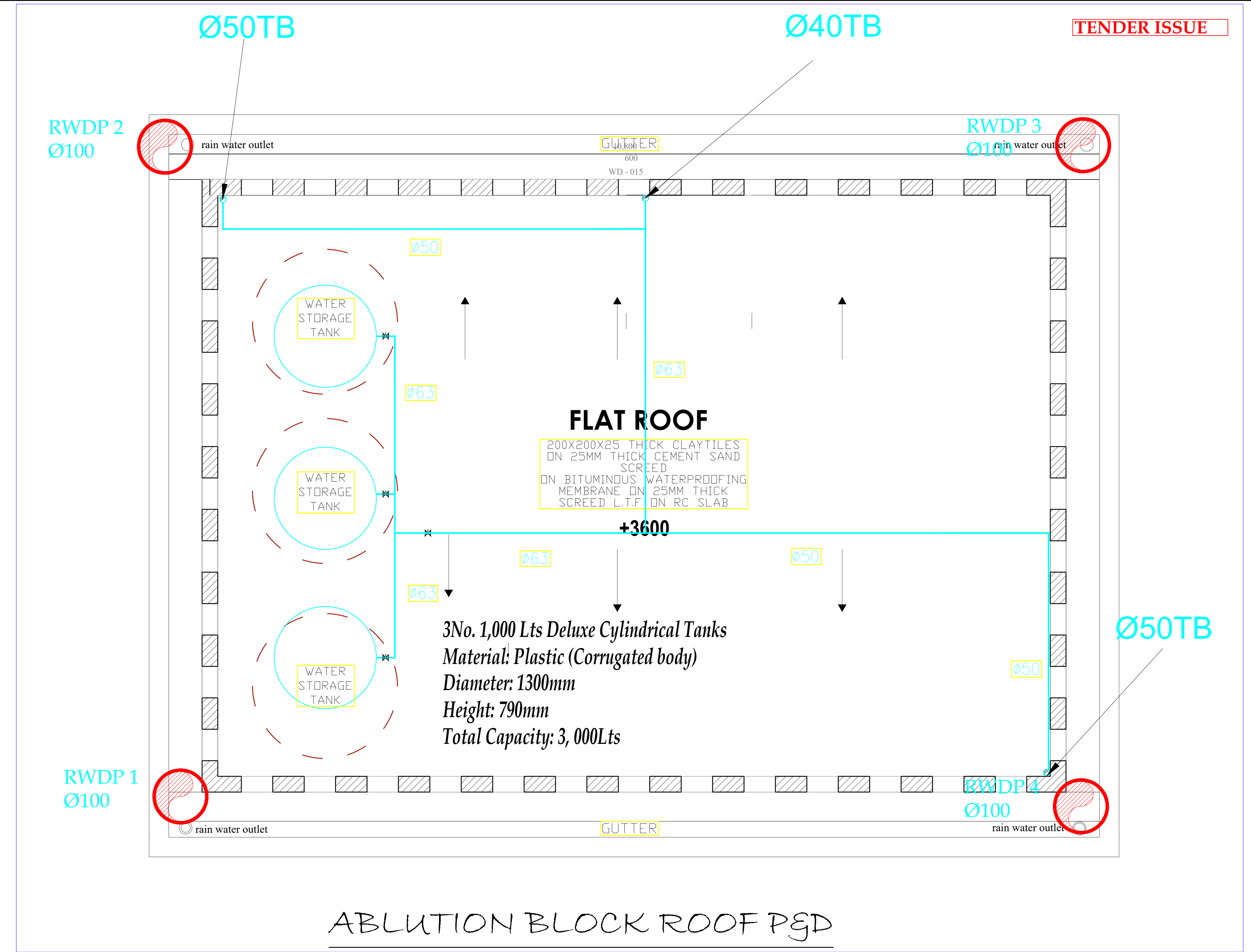
Dwg. No. **12- 003M- 010**

Scale: NTS

Drawn by  Chek'd By


Project no.:  Date:

12 09/01/2023



THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT

ARPRIM



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

**ABLUTION BLOCK ROOF  
PLUMBING & DRAINAGE  
LAYOUT**

Dwg. No. **12- 003M- 011**

Scale: NTS

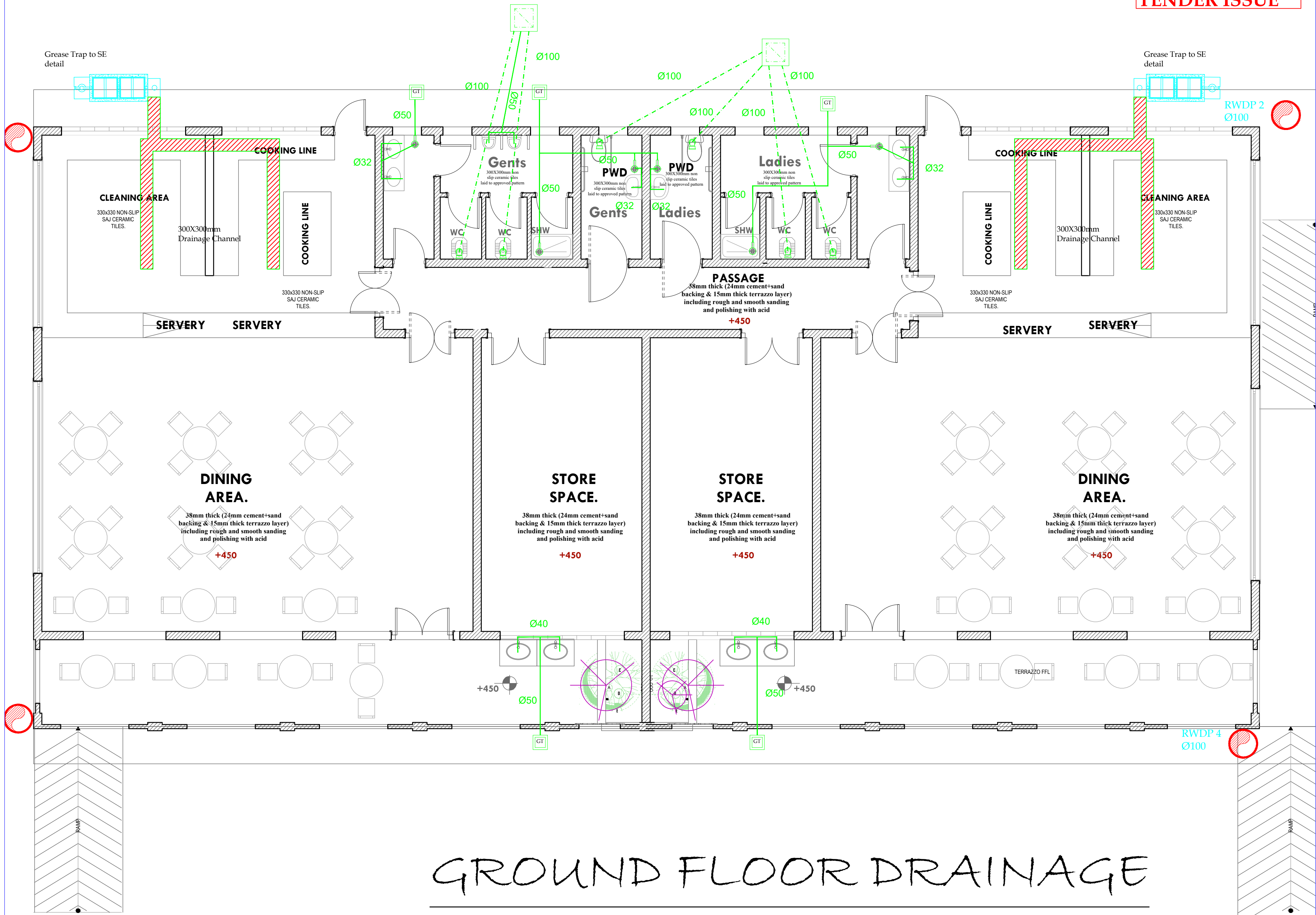
Drawn by      Chek'd By

Project no.:      Date:

12      09/01/2023



TENDER ISSUE



THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

RESTAURANT BLOCK  
GROUND FLOOR DRAINAGE  
LAYOUT

Dwg. No. **12- 003M- 012**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023

TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

RESTAURANT BLOCK  
GROUND FLOOR PLUMBING  
LAYOUT

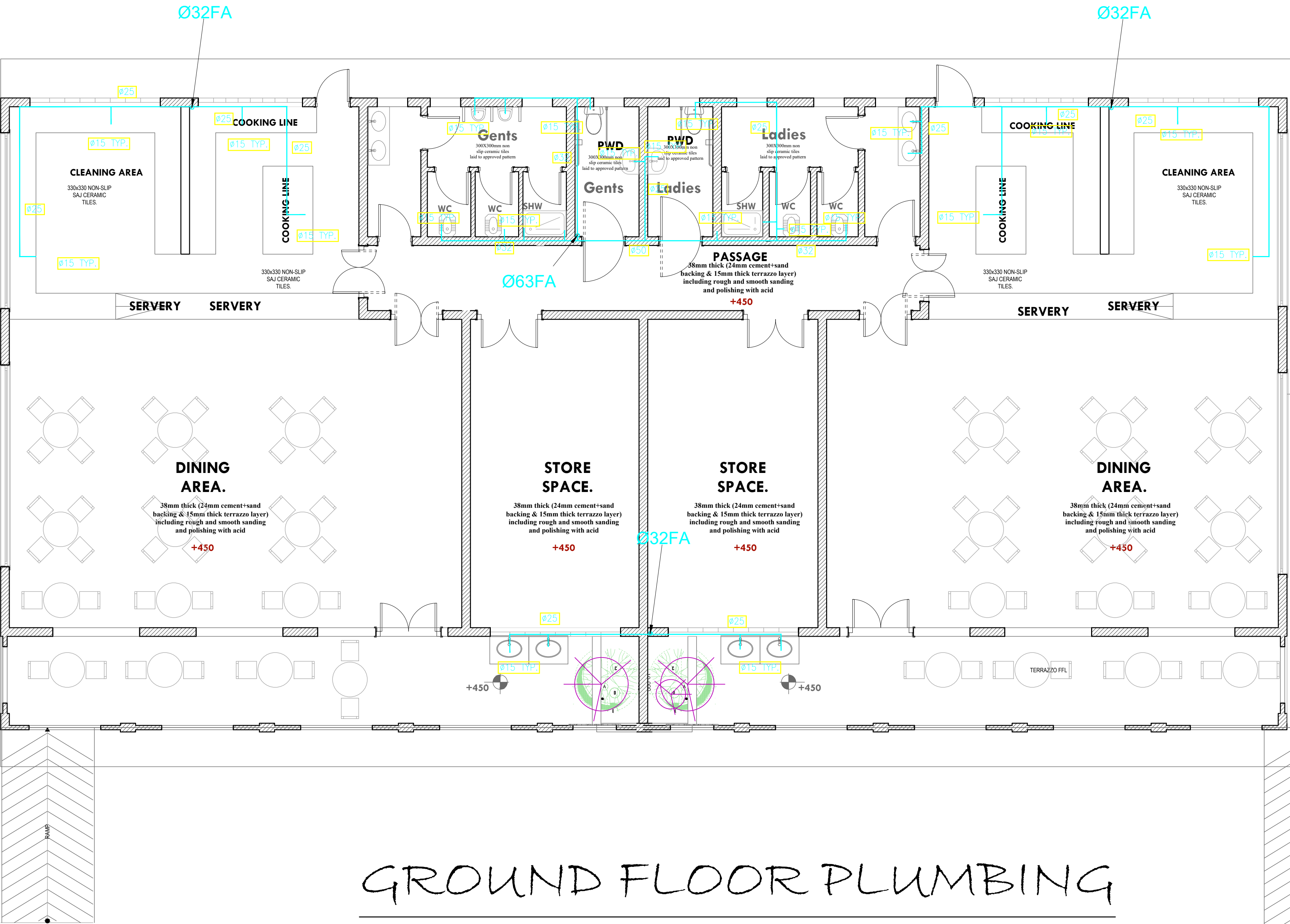
Dwg. No. **12- 003M- 013**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



GROUND FLOOR PLUMBING





ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MBE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAAPEE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
RESTAURANT BLOCK ROOF  
PLUMBING & DRAINAGE  
LAYOUT

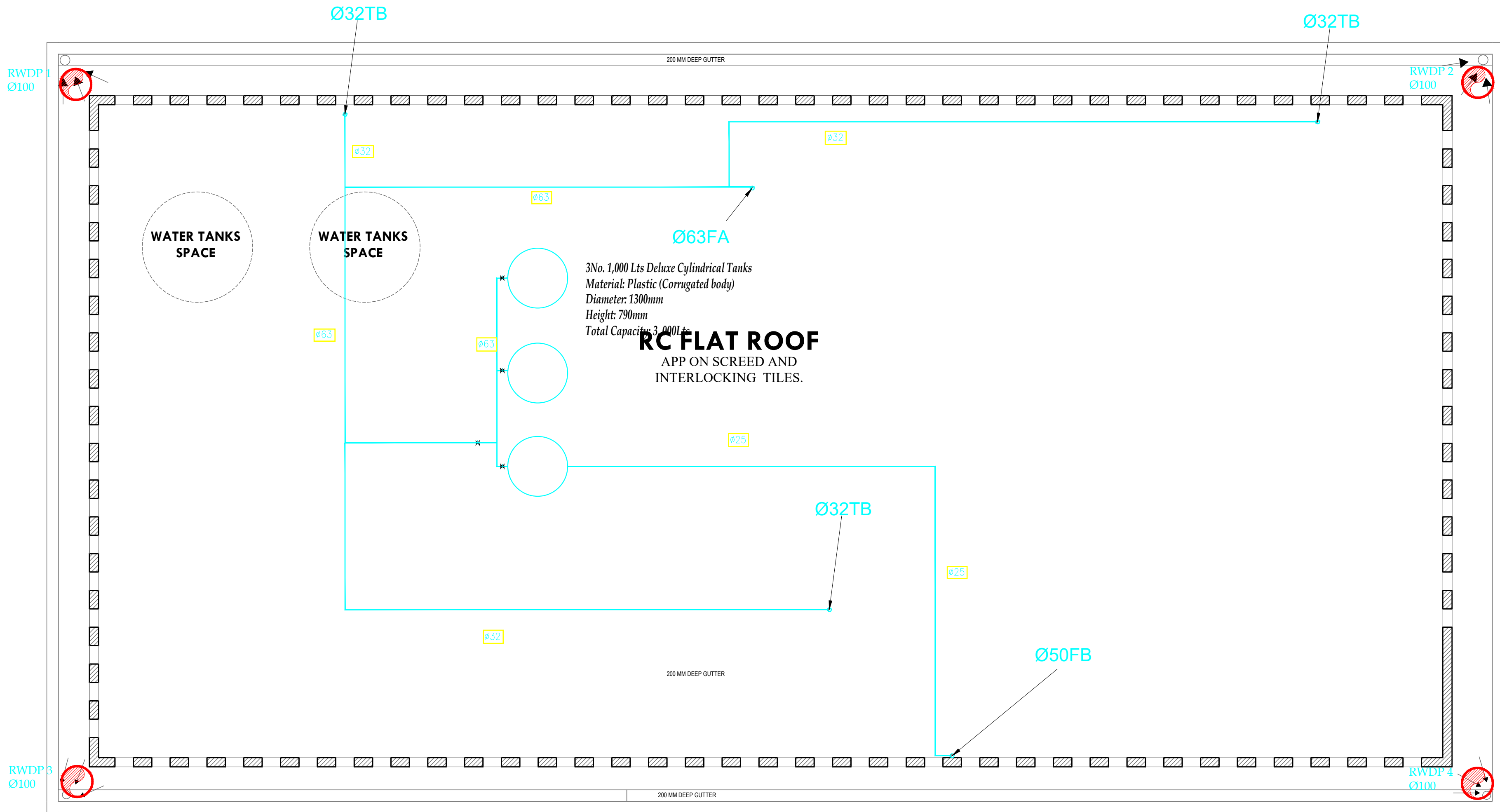
Dwg. No. **12- 003M- 014**

Scale: NTS

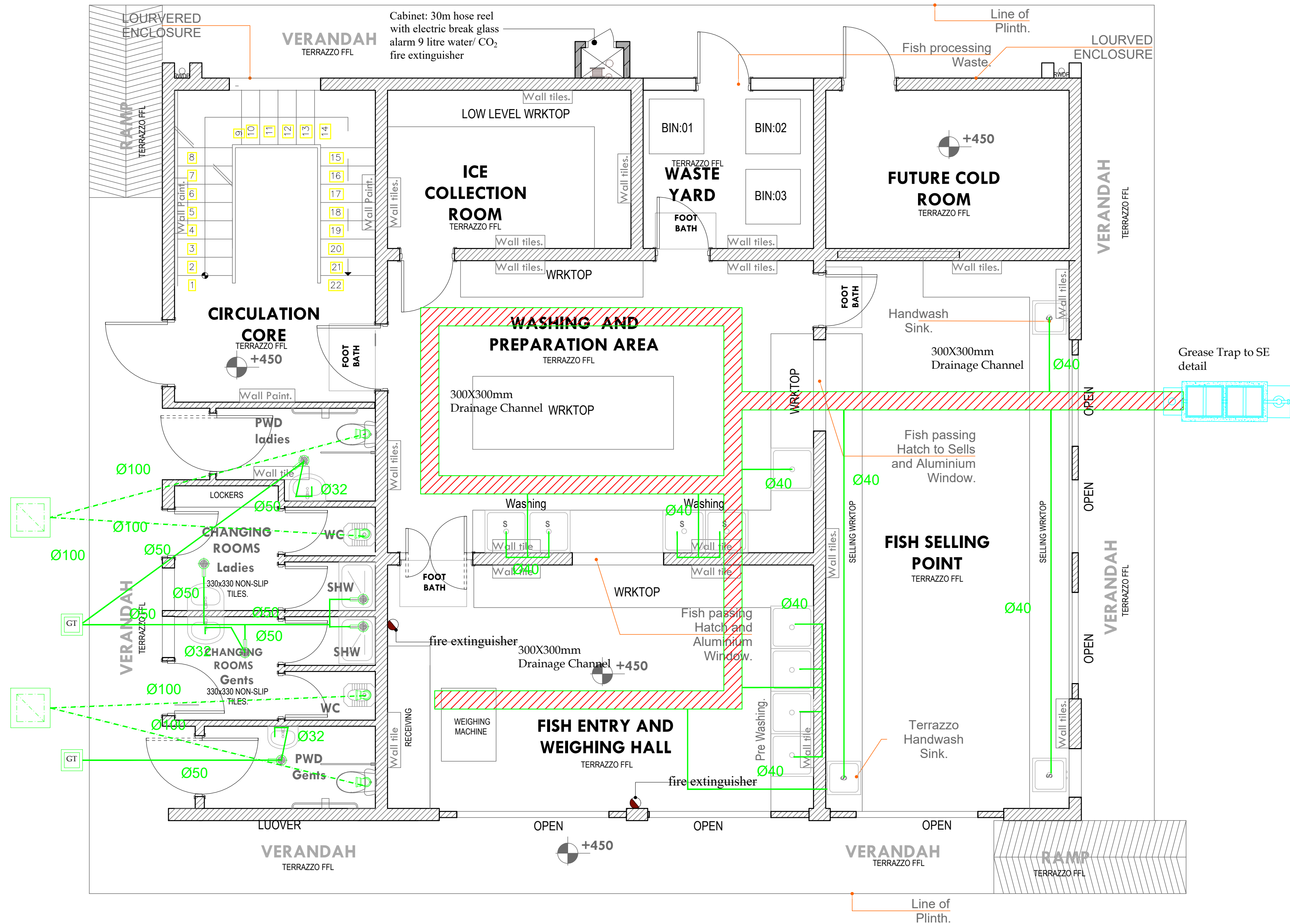
Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023



ROOF PLUMBING & DRAINAGE



GROUND FLOOR DRAINAGE



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

FISH BANDA GROUND  
FLOOR DRAINAGE LAYOUT

Dwg. No. **12- 003M- 015**

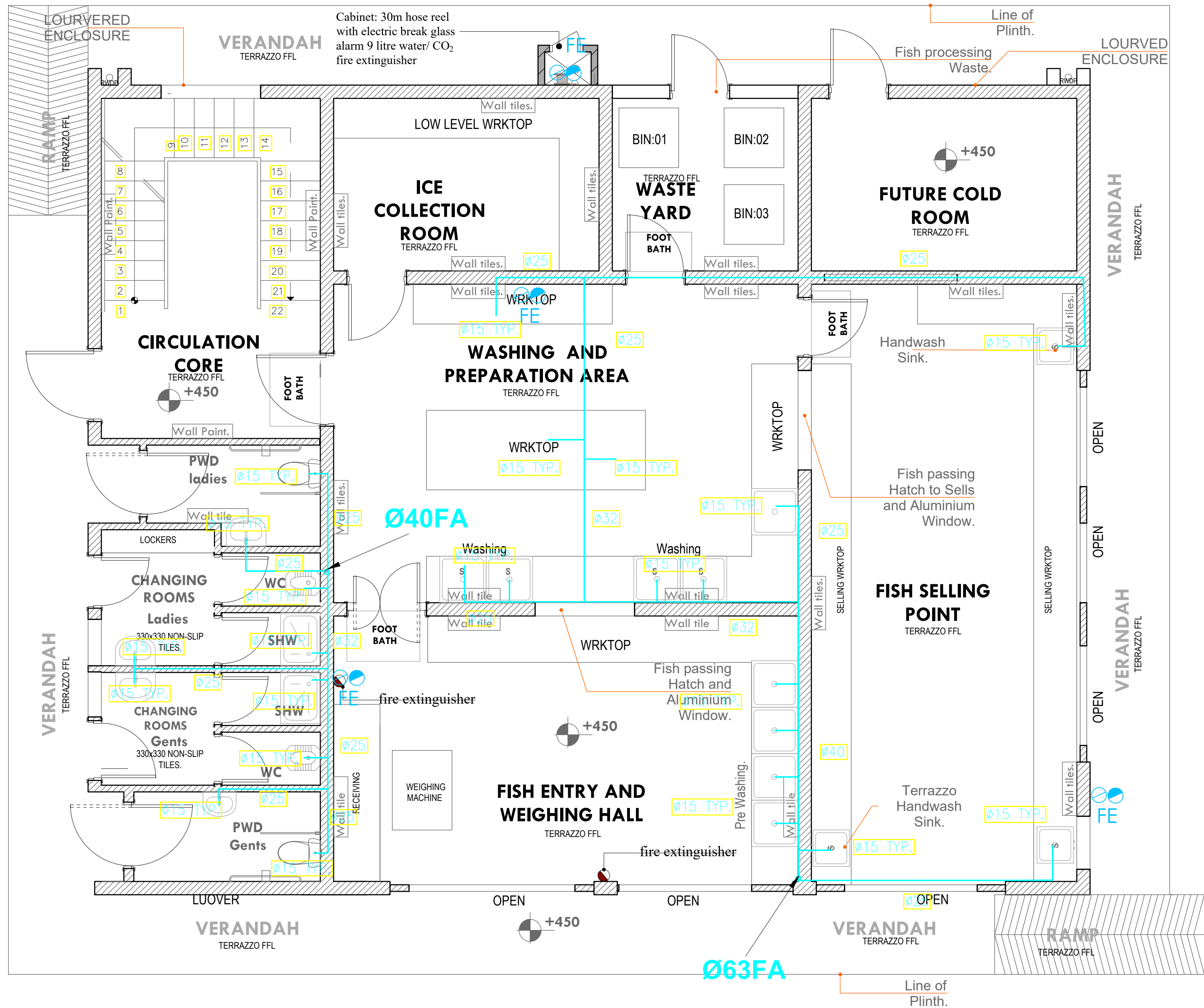
Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023





GROUND FLOOR PLUMBING



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

FISH BANDA GROUND  
FLOOR PLUMBING LAYOUT

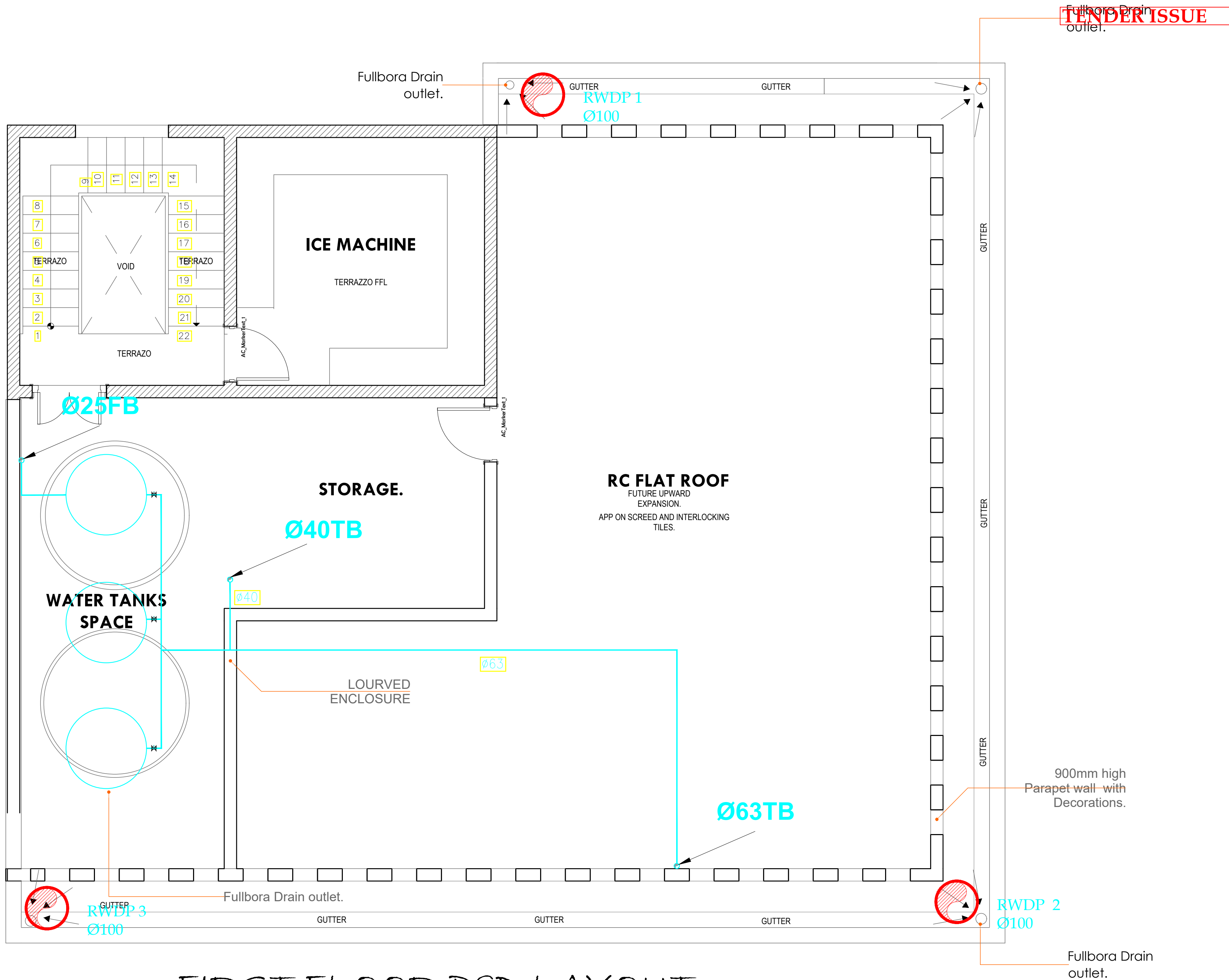
Dwg. No. **12- 003M- 016**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



FIRST FLOOR P&D LAYOUT

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FISH BANDA FIRST FLOOR  
P&D LAYOUT

Dwg. No. **12- 003M- 017**

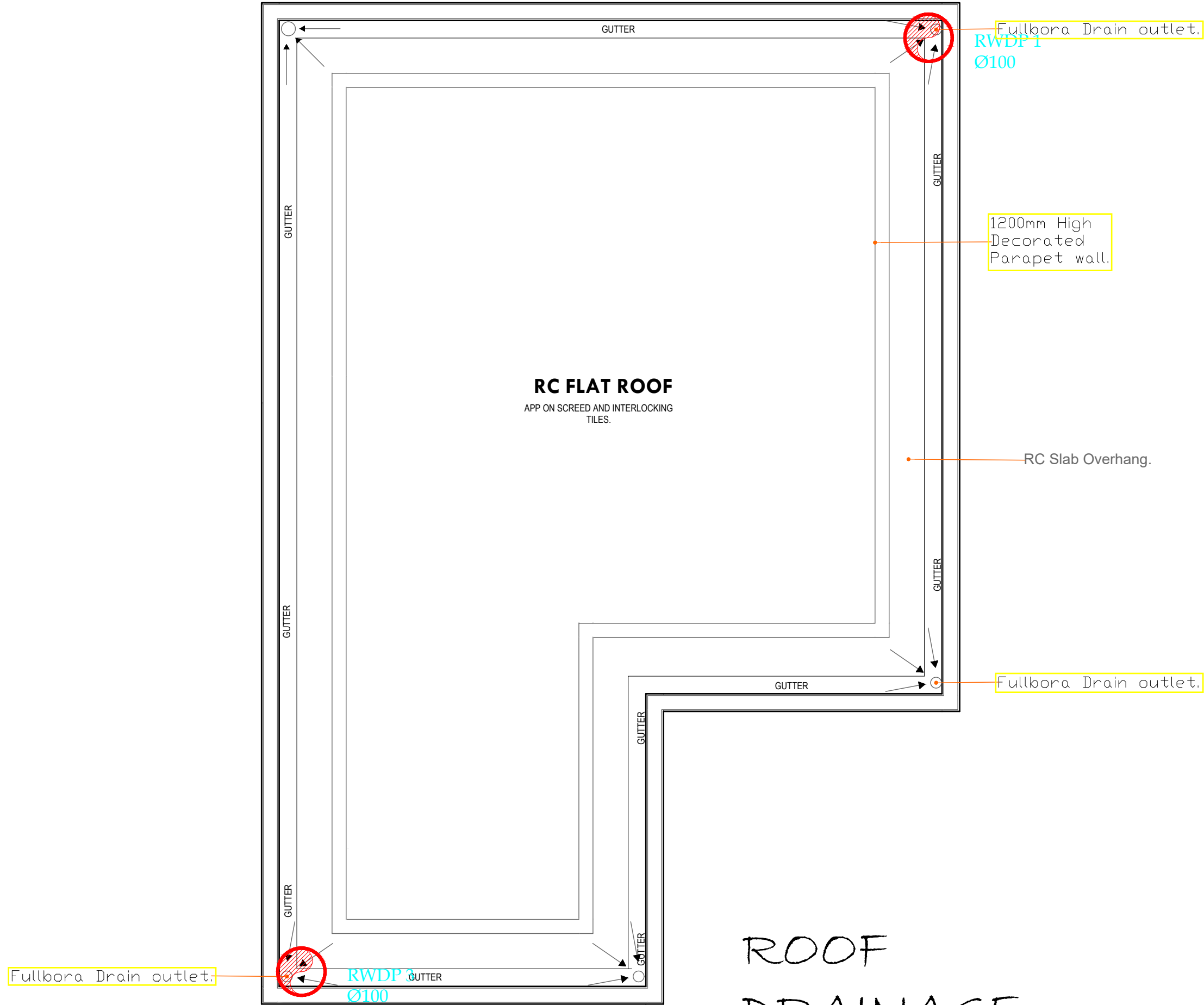
Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023





ROOF  
DRAINAGE



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAPEE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

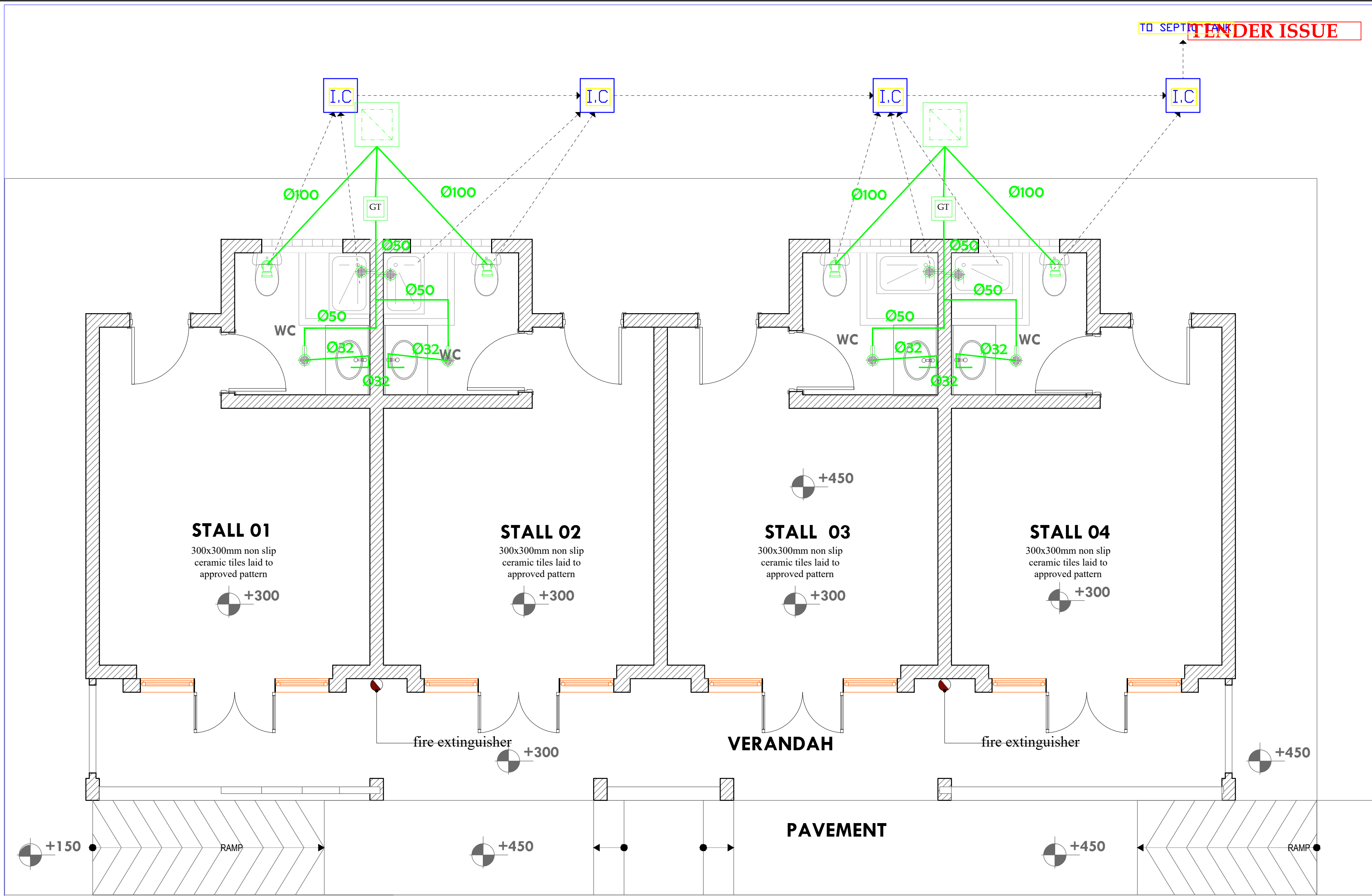
CLIENT'S SIGNATURE:

Sign:  

DRAWING TITLE:

FISH BANDA ROOF  
DRAINAGE LAYOUT


Dwg. No.	12- 003M- 018		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:		Date:	
12		09/01/2023	



STALLS (TYPICAL) DRAINAGE LAYOUT

THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT

ARPRIM



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

**NOTES**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

**REVISIONS:**

REV. No.	Details of Revision

**PROJECT TITLE:**

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

**CLIENT:**

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

**CLIENT'S SIGNATURE:**

Sign:  

**DRAWING TITLE:**

TYPICAL STALL DRAINAGE  
LAYOUT

Dwg. No.	12- 003M- 019
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

**DRAWING TITLE:**  
**TYPICAL STALLS**  
**PLUMBING LAYOUT**

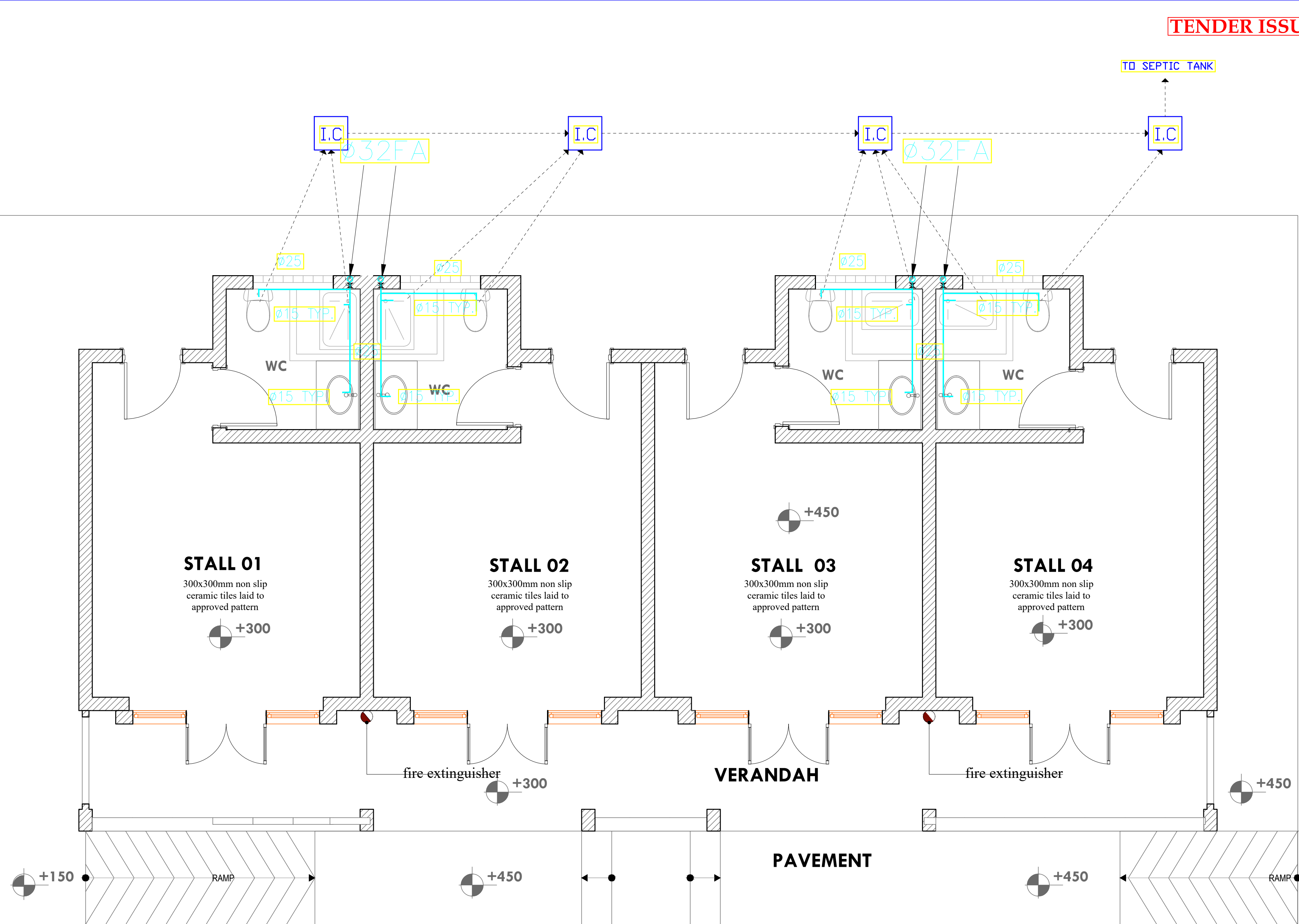
Dwg. No. **12- 003M- 20**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023



STALLS (TYPICAL) PLUMBING LAYOUT

TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MR. BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAPEE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

**DRAWING TITLE:**  
**TYPICAL STALL DRAINAGE  
LAYOUT**

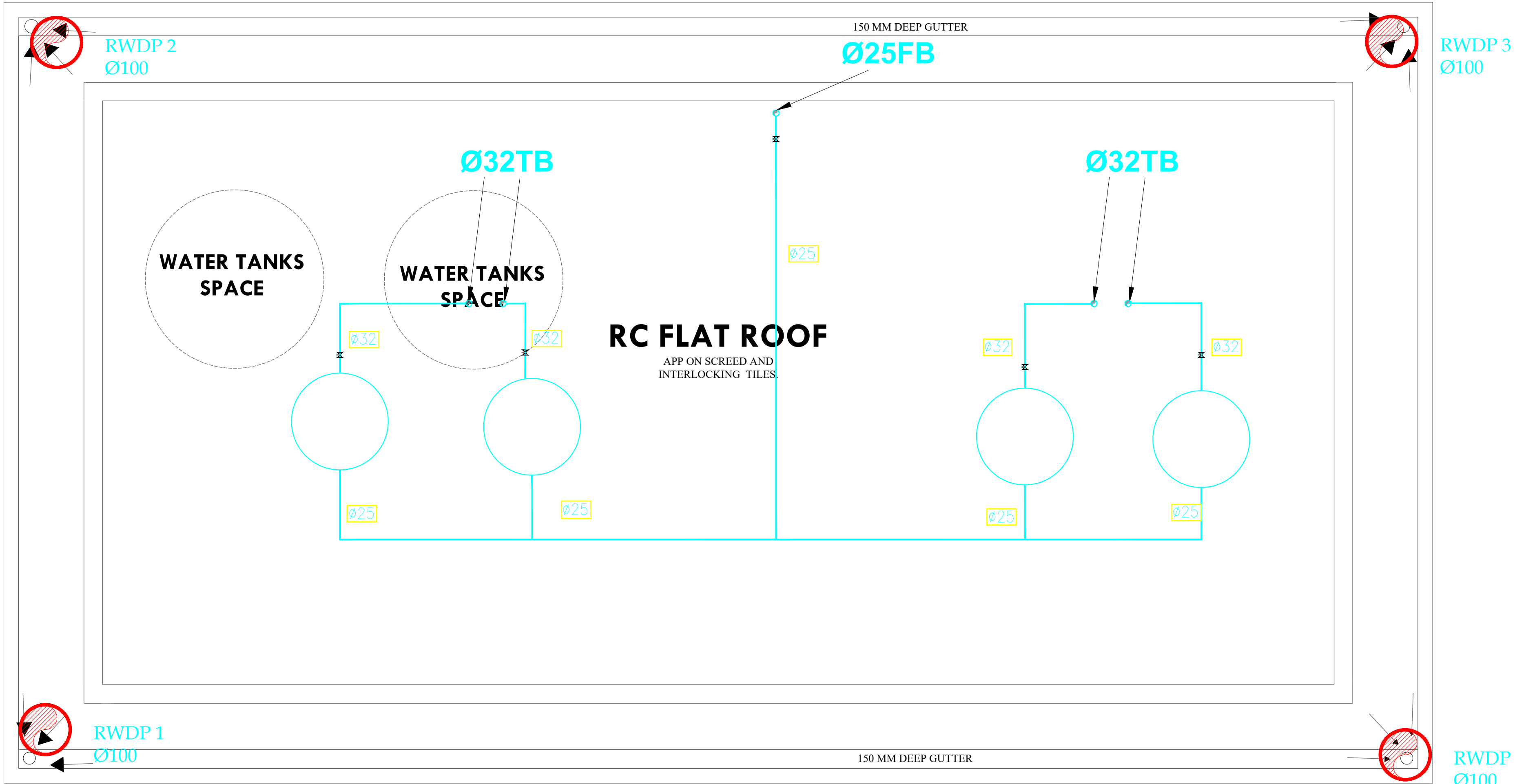
Dwg. No. **12- 003M- 21**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023



ROOF PGD LAYOUT



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND NOTES.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS, THIS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS, FROM ACCESS AND SETTING OUT OF SERVICES SHALL BE PROVIDED BY THE CONTRACTOR.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAPEPE FISH LANDING SITE- KWALE  
COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

GATE HOUSE DRAINAGE  
LAYOUT

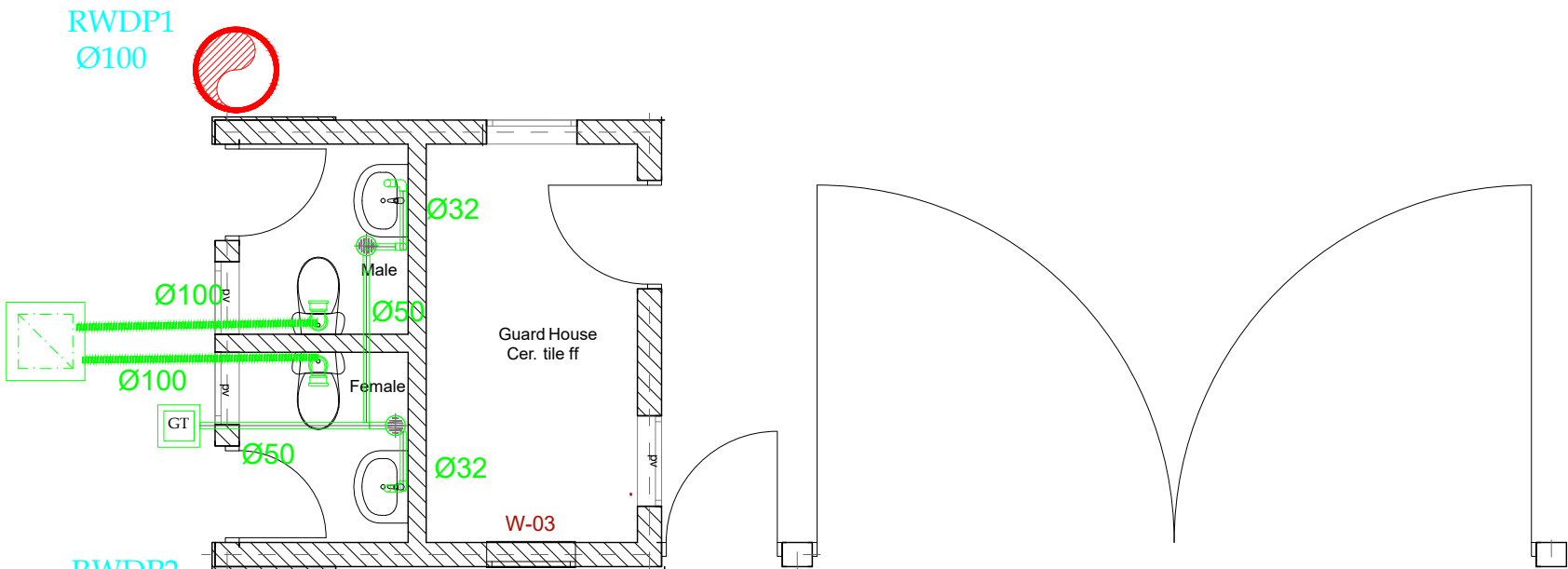
Dwg. No. **12- 003M- 22**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 29.12.2023



LEGEND

WVP ——— WASTE VENT PIPE

SVP ——— SOIL VENT PIPE

I.S ——— INSIDE SLAB PIPING

S ——— SURFACE PIPING

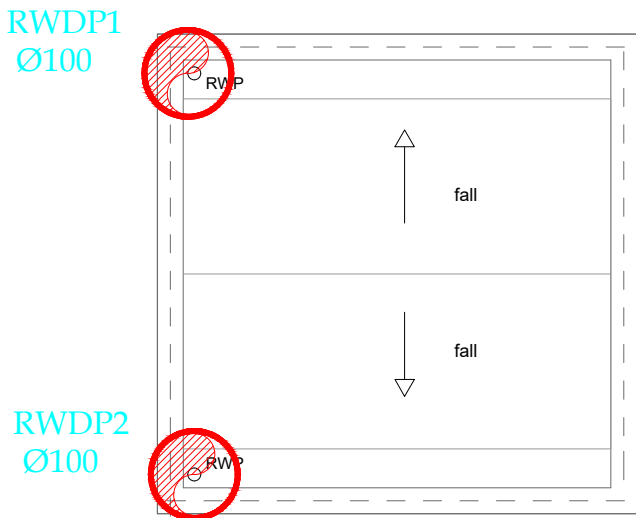
TB ——— TO BELOW

FA ——— FROM ABOVE

RWDP X Ø100 ——— RAIN WATER DOWN PIPE

————— DRAINAGE SERVICES (uPVC GREY PIPE)

GT ——— 4" GULLY TRAP



DRAINAGE



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS, SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS, THIS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE OBTAINED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS, FROM ACCESS AND SETTING OUT OF SERVICES SHALL BE MADE BETWEEN THE ARCHITECT AND THE CONTRACTOR.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAPEE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

GATE HOUSE PLUMBING

Dwg. No. 12- 003M- 23

Scale: NTS

Drawn by \_\_\_\_\_

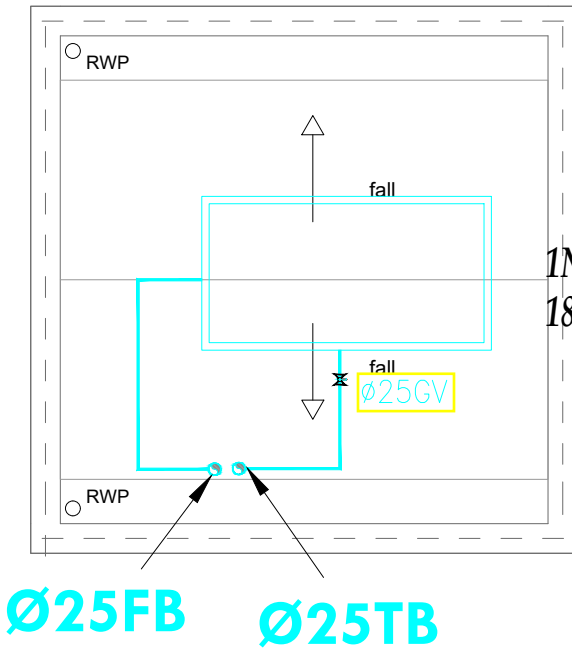
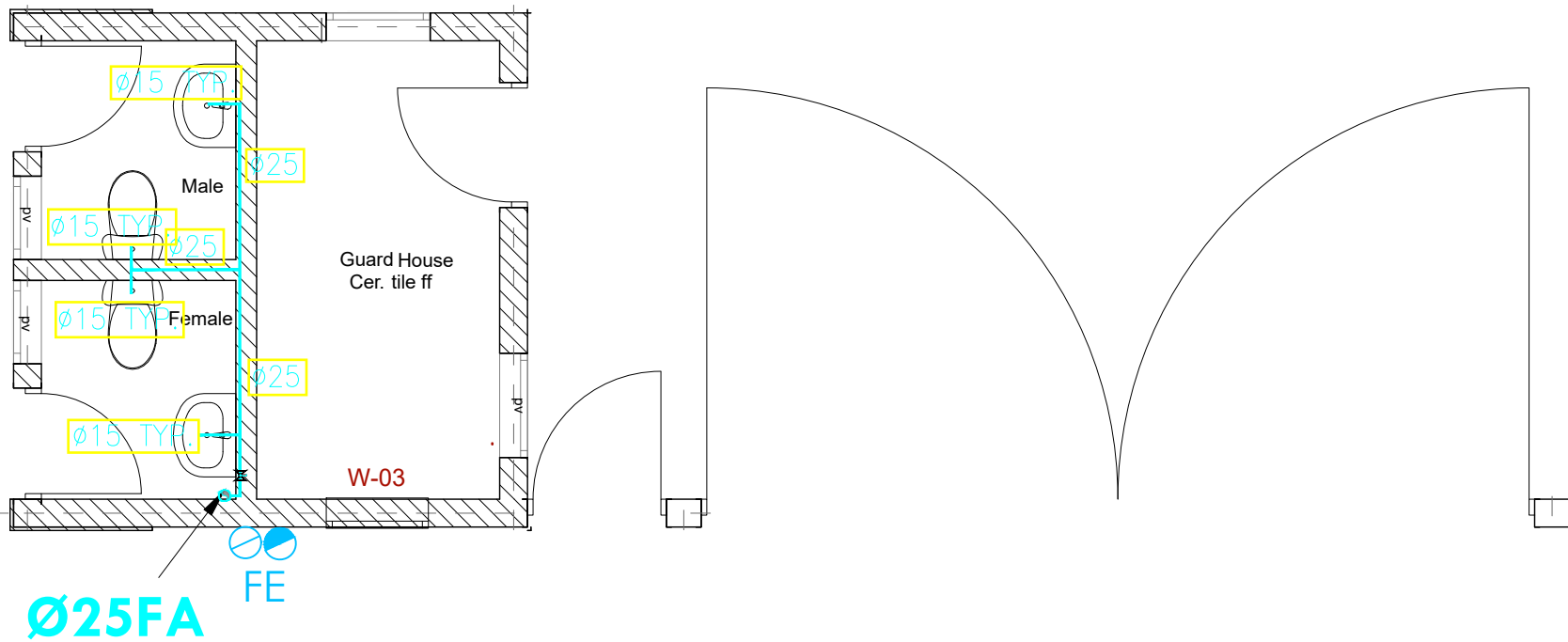
Chek'd By \_\_\_\_\_

Project no.:

Date:

02

29.12.2023



No. 1,000 Lts Rectangular Loft Tank  
1860mmX940mmX650mm

LEGEND

- CWS — COLD WATER SUPPLY  
TB — TO BELOW  
FA — FROM ABOVE  
TA — TO ABOVE  
FE — 9L WATER CO FIRE EXTINGUISHER  
FE — 9KG DRY POWDER FIRE EXTINGUISHER  
HR — 30m HOSEREEL  
— LANDING VALVE  
PPR — POLY PROPELEYNE RANDOM  
GMS — GALVANIZED STEEL PIPE (CLASS B)  
— PLUMBING SERVICES (PPR PN 20 MATERIAL)  
— HOSEREEL SERVICES (GMS CLASS 'B')

PLUMBING





ARPRIM CONSORTIUM,  
P.O. BOX 12959-0040,  
NAIROBI, KENYA.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS, CONDITIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE NAME BUILDING SERVICES CONSULTANT IMMEDIATELY.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETERS.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- PAVING, ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED ON SITE.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAERE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

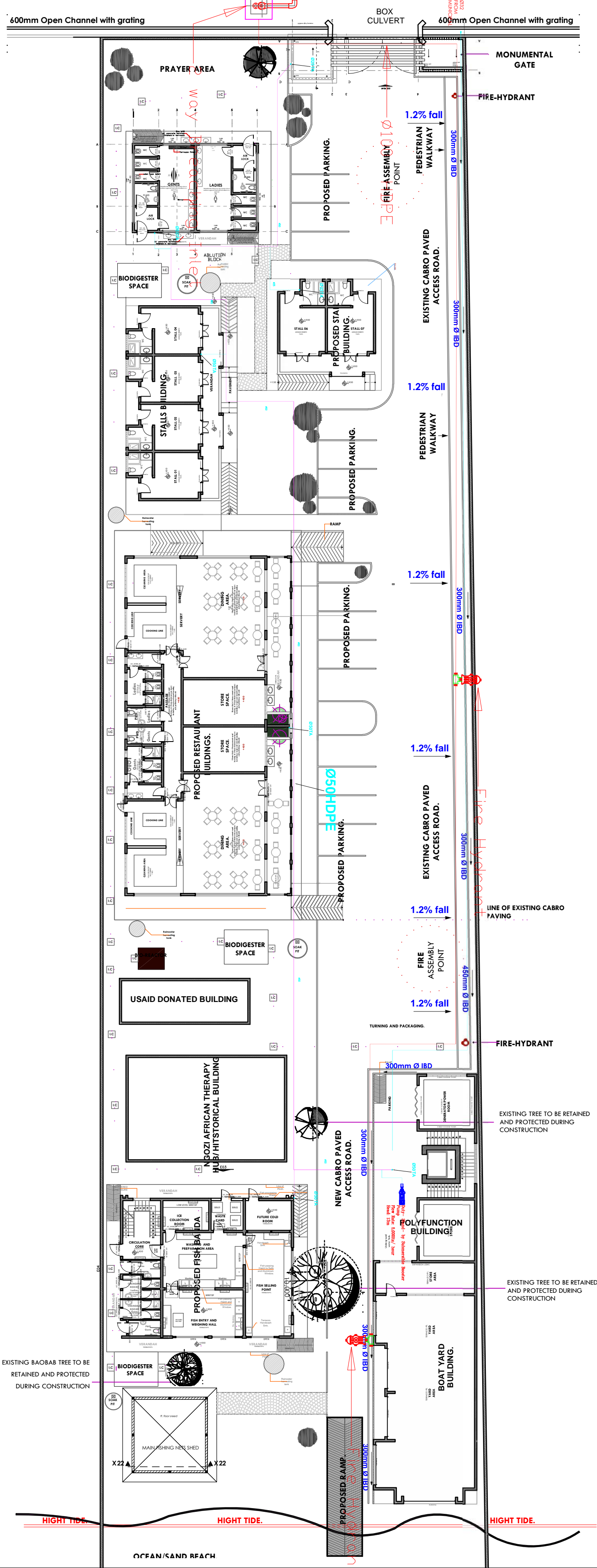
SITE PLAN WATER  
RETICULATION LAYOUT

Dwg. No. **12-003M-024**

Scale: NTS

Drawn by  Check'd By

Project no.:  Date:



No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	ELECTRICAL ENGINEERING DRAWINGS				
1	LIST OF DRAWINGS	12- 003E- 001	A2	PDF/ EXCEL	Provided
2	LIGHTING & POWER SYSTEM GENERAL NOTES	12- 003E- 002	A3	PDF/ DWG	Provided
3	ELECTRICAL SCHEDULE OF SYMBOLS	12- 003E- 003	A3	PDF/ DWG	Provided
4	POLYFUNCTION GROUND FLOORLIGHTING LAYOUT	12- 003E- 004	A2	PDF/ DWG	Provided
5	POLYFUNCTION GROUND FLOOR POWER LAYOUT	12- 003E- 005	A2	PDF/ DWG	Provided
6	POLFUNCTION GROUND FLOOR FIRE ALARM LAYOUT	12- 003E- 006	A2	PDF/ DWG	Provided
7	POLYFUNCTION GROUND FLOOR CCTV LAYOUT	12- 003E- 007	A2	PDF/ DWG	Provided
8	POLYFUNCTION FIRST FLOORLIGHTING LAYOUT	12- 003E- 008	A2	PDF/ DWG	Provided
9	POLYFUNCTION FIRST FLOOR POWER LAYOUT	12- 003E- 009	A2	PDF/ DWG	Provided
10	POLYFUNCTION FIRST FLOOR FIRE ALARM LAYOUT	12- 003E- 010	A2	PDF/ DWG	Provided
11	POLYFUNCTION FIRST FLOOR CCTV LAYOUT	12- 003E- 011	A2	PDF/ DWG	Provided
12	POLYFUNCTION SCHEMATIC	12- 003E- 012	A2	PDF/ DWG	Provided
13	POLYFUNCTION SECOND FLOORLIGHTING LAYOUT	12- 003E- 013	A2	PDF/ DWG	Provided
14	POLYFUNCTION SECOND FLOOR POWER LAYOUT	12- 003E- 014	A2	PDF/ DWG	Provided
15	POLYFUNCTION THIRD FLOOR ELECTRICAL LAYOUT	12- 003E- 015	A2	PDF/ DWG	Provided
16	POLYFUNCTION ROOF LIGHTNING LAYOUT	12- 003E- 016	A2	PDF/ DWG	Provided
17	ABLUTION BLOCK ELECTRICAL LAYOUT	12- 003E- 017	A2	PDF/ DWG	Provided
18	ABLUTION BLOCK SCHEMATIC	12- 003E- 018	A2	PDF/ DWG	Provided
19	RESTAURANT LIGHTING LAYOUT	12- 003E- 019	A2	PDF/ DWG	Provided
20	RESTAURANT POWER LAYOUT	12- 003E- 020	A2	PDF/ DWG	Provided
21	RESTAURANT FIRE ALARM LAYOUT	12- 003E- 021	A2	PDF/ DWG	Provided
22	RESTAURANT CCTV LAYOUT	12- 003E- 022	A2	PDF/ DWG	Provided
23	RESTAURANT CCTV SCHEMATIC	12- 003E- 023	A2	PDF/ DWG	Provided
24	FISH BANDA LIGHTING LAYOUT	12- 003E- 024	A2	PDF/ DWG	Provided
25	FISH BANDA POWER LAYOUT	12- 003E- 025	A2	PDF/ DWG	Provided
26	FISH BANDA FIRE ALARM LAYOUT	12- 003E- 026	A2	PDF/ DWG	Provided
27	FISH BANDA CCTV LAYOUT	12- 003E- 027	A2	PDF/ DWG	Provided
28	FISH BANDA SCHEMATIC	12- 003E- 028	A2	PDF/ DWG	Provided
29	FISH BANDA ELECTRICAL LAYOUT	12- 003E- 029	A2	PDF/ DWG	Provided
30	FISH BANDA LIGHTNING ARRESTOR LAYOUT	12- 003E- 030	A2	PDF/ DWG	Provided
31	STALLS 1-4 LIGHTING LAYOUT	12- 003E- 031	A2	PDF/ DWG	Provided
32	STALLS 1-4 POWER LAYOUT	12- 003E- 032	A2	PDF/ DWG	Provided
33	STALLS 5-6 LIGHTING LAYOUT	12- 003E- 033	A2	PDF/ DWG	Provided
34	STALLS 5-6 POWER LAYOUT	12- 003E- 034	A2	PDF/ DWG	Provided
35	STALLS TYPICAL SCHEMATIC	12- 003E- 035	A2	PDF/ DWG	Provided
36	GATE HOUSE ELECTRICAL LAYOUT	12- 003E- 036	A2	PDF/ DWG	Provided
37	GATE HOUSE SCHEMATIC	12- 003E- 037	A2	PDF/ DWG	Provided
38	SITE PLAN ELECTRICAL LAYOUT	12- 003E- 038	A2	PDF/ DWG	Provided
39	STREET LIGHTING DETAIL LAYOUT	12- 003E- 039	A2	PDF/ DWG	Provided
40	MAIN SCHEMATIC	12- 003E- 040	A2	PDF/ DWG	Provided
41	SOLAR POWER SCHEMATIC	12- 003E- 041	A2	PDF/ DWG	Provided
42	EARTHING & LIGHTNING PROTECTION DETAIL	12- 003E- 042	A2	PDF/ DWG	Provided
43	SOCKETS & SWITCHES DETAIL	12- 003E- 043	A2	PDF/ DWG	Provided











ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION GROUND  
FLOOR LIGHTING LAYOUT

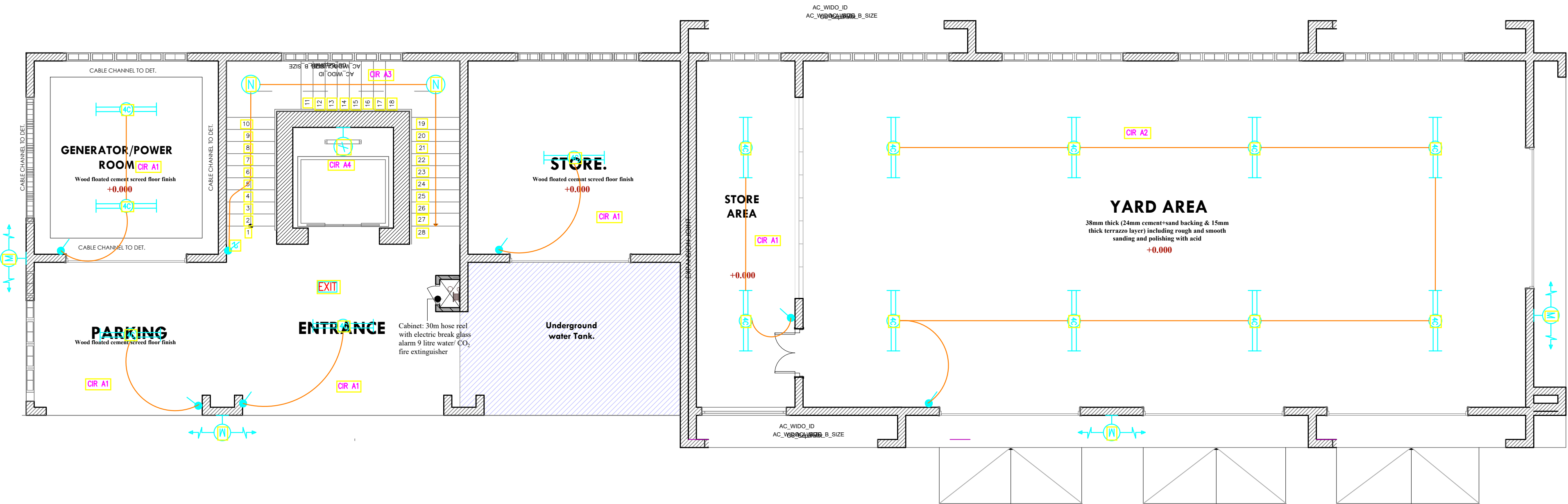
Dwg. No. 12- 003E- 04

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024



GROUND FLOOR LIGHTING

TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

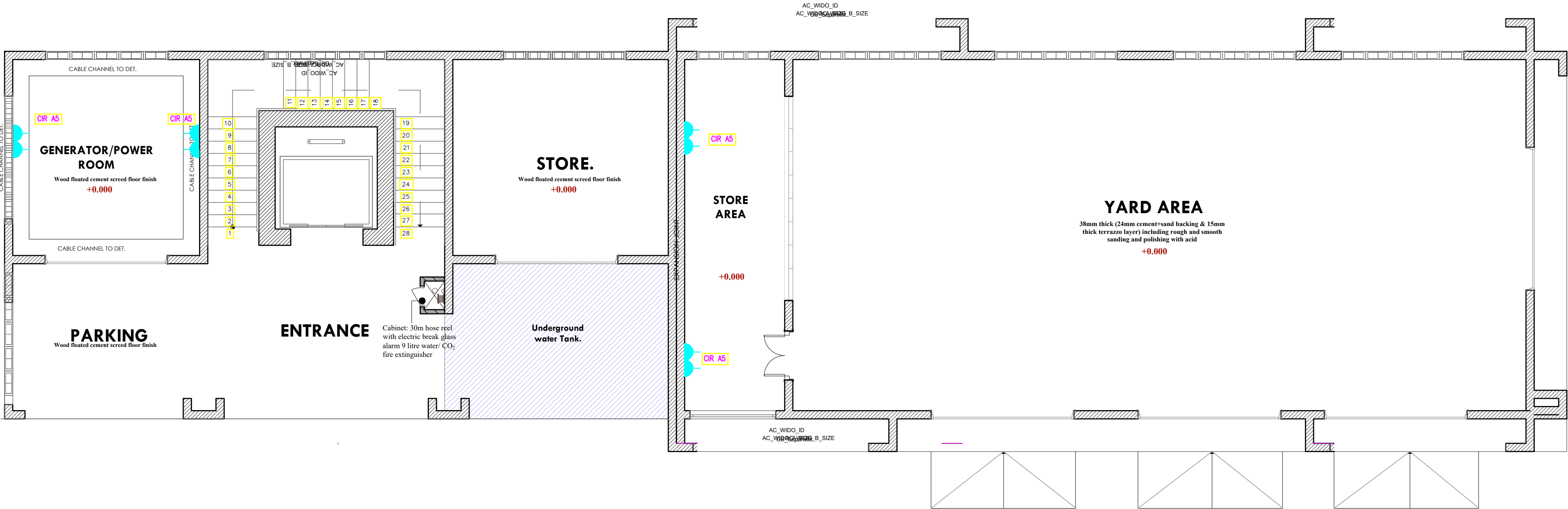
POLYFUNCTION GROUND  
FLOOR POWER LAYOUT

Dwg. No. 12- 003E- 05

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
12	09/01/2024



GROUND FLOOR POWER



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
-------	--

DRAWING TITLE:

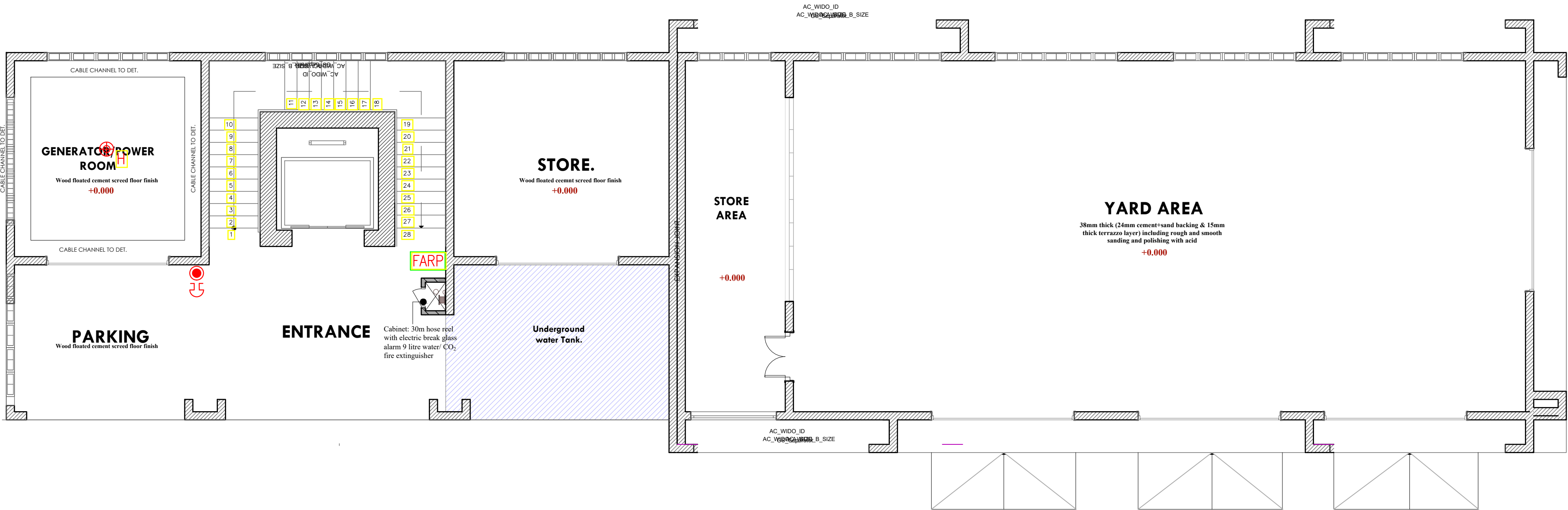
POLYFUNCTION GROUND  
FLOOR FIRE ALARM  
LAYOUT

Dwg. No.	12- 003E- 06
----------	--------------

Scale:	NTS
--------	-----

Drawn by		Chek'd By	
----------	--	-----------	--

Project no.:	Date:
12	09/01/2024



GROUND FLOOR FIRE ALARM

TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

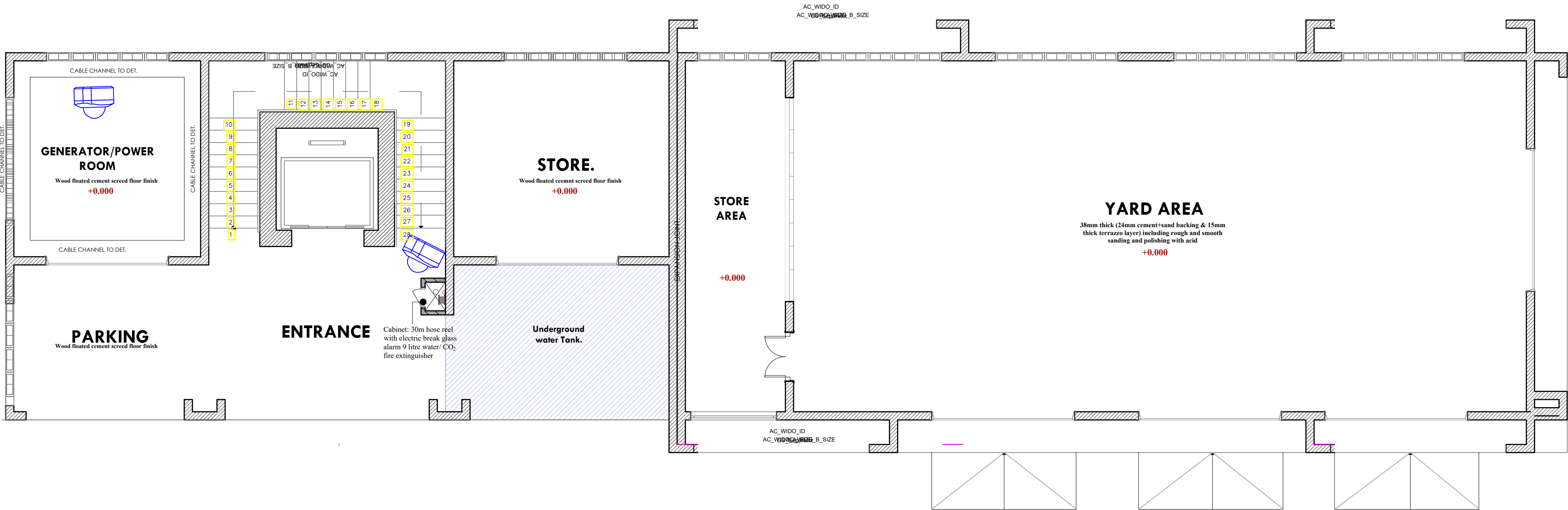
POLYFUNCTION GROUND  
FLOOR CCTV LAYOUT

Dwg. No. 12- 003E- 07

Scale: NTS

Drawn by  Chek'd By

Project no.: 12 Date: 09/01/2024



GROUND FLOOR CCTV





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION FIRST  
FLOOR LIGHTING LAYOUT

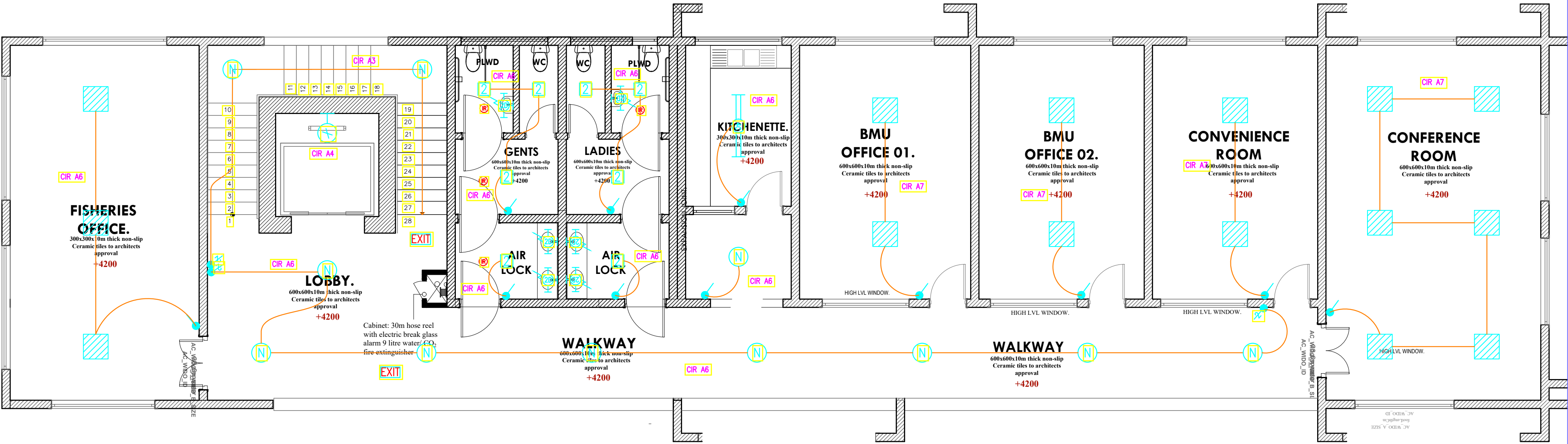
Dwg. No. 12- 003E- 08

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024



FIRST FLOOR LIGHTING



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION FIRST  
FLOOR POWER LAYOUT

Dwg. No. 12- 003E- 09

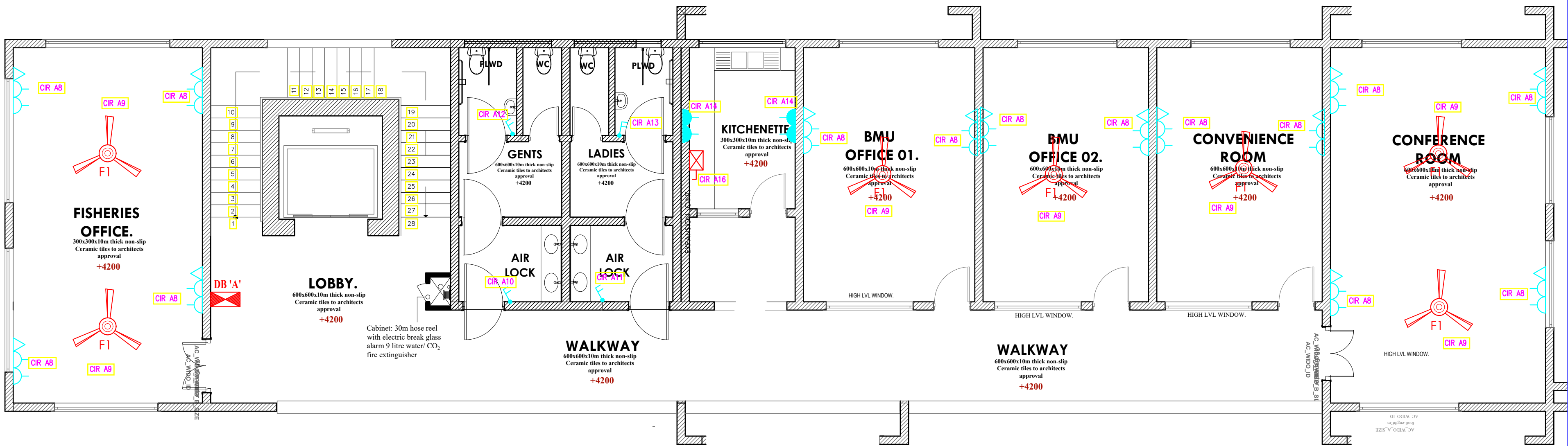
Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024

FIRST FLOOR POWER







ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

**POLYFUNCTION FIRST  
FLOOR FIRE ALARM  
LAYOUT**

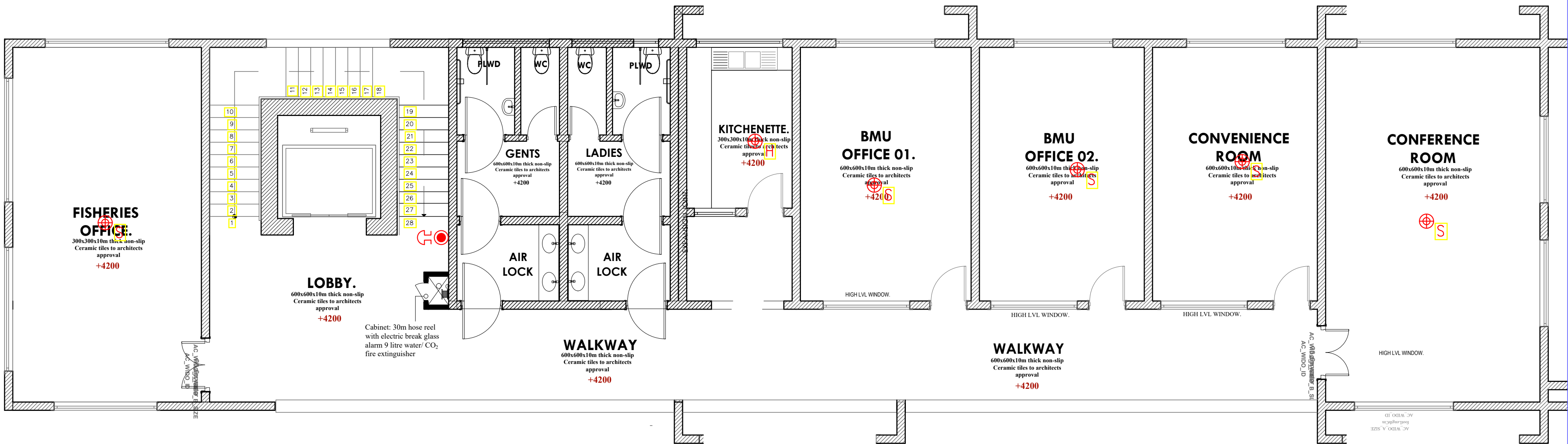
Dwg. No. **12- 003E- 10**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024



FIRST FLOOR FIRE ALARM



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

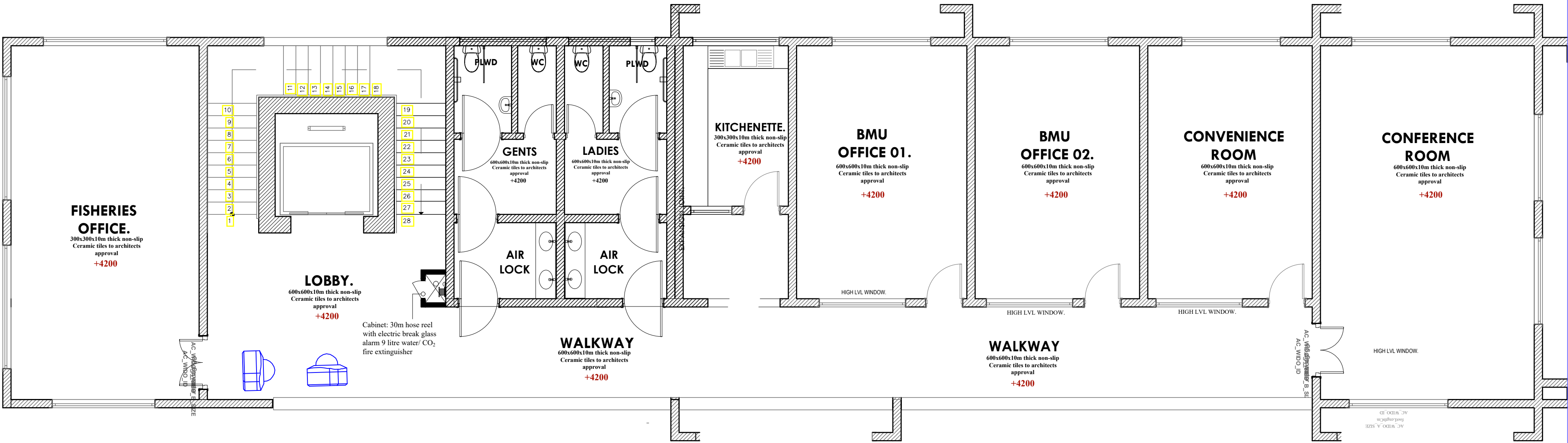
**DRAWING TITLE:**  
**POLYFUNCTION FIRST  
FLOOR CCTV LAYOUT**

Dwg. No. **12- 003E- 11**

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
12	09.01.2024



FIRST FLOOR CCTV



TENDER ISSUE



8- WAY 100A TPN DISTRIBUTION BOARD 'A' FOR  
RAW POWER DISTRIBUTION ON FIRST FLOOR  
POLYFUNCTION BUILDING

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION BUILDING  
SCHEMATIC

Dwg. No.	12- 003E- 12		
Scale:	NTS		
Drawn by	<input type="text"/>	Chek'd By	<input type="text"/>
Project no.:	Date:		
12	09/01/2023		



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION SECOND  
FLOOR LIGHTING LAYOUT

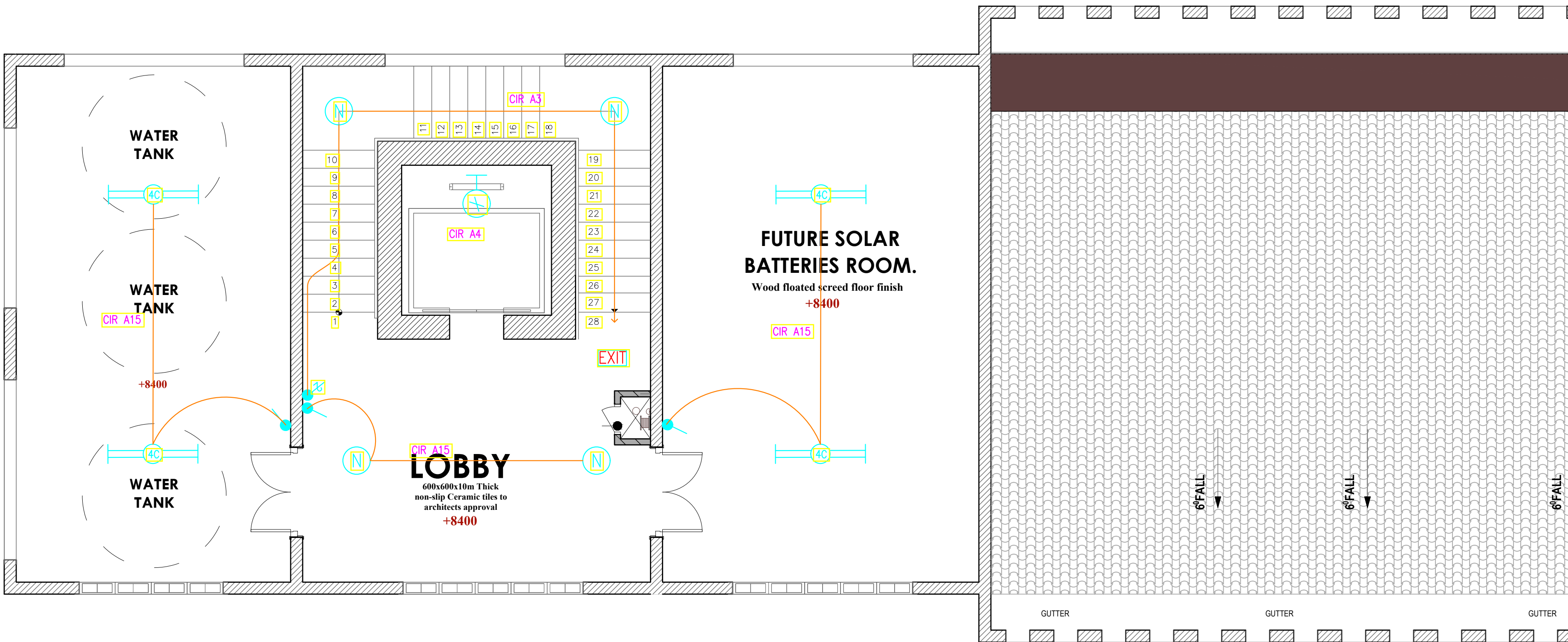
Dwg. No. 12- 003E- 13

Scale: NTS

Drawn by  Chek'd By

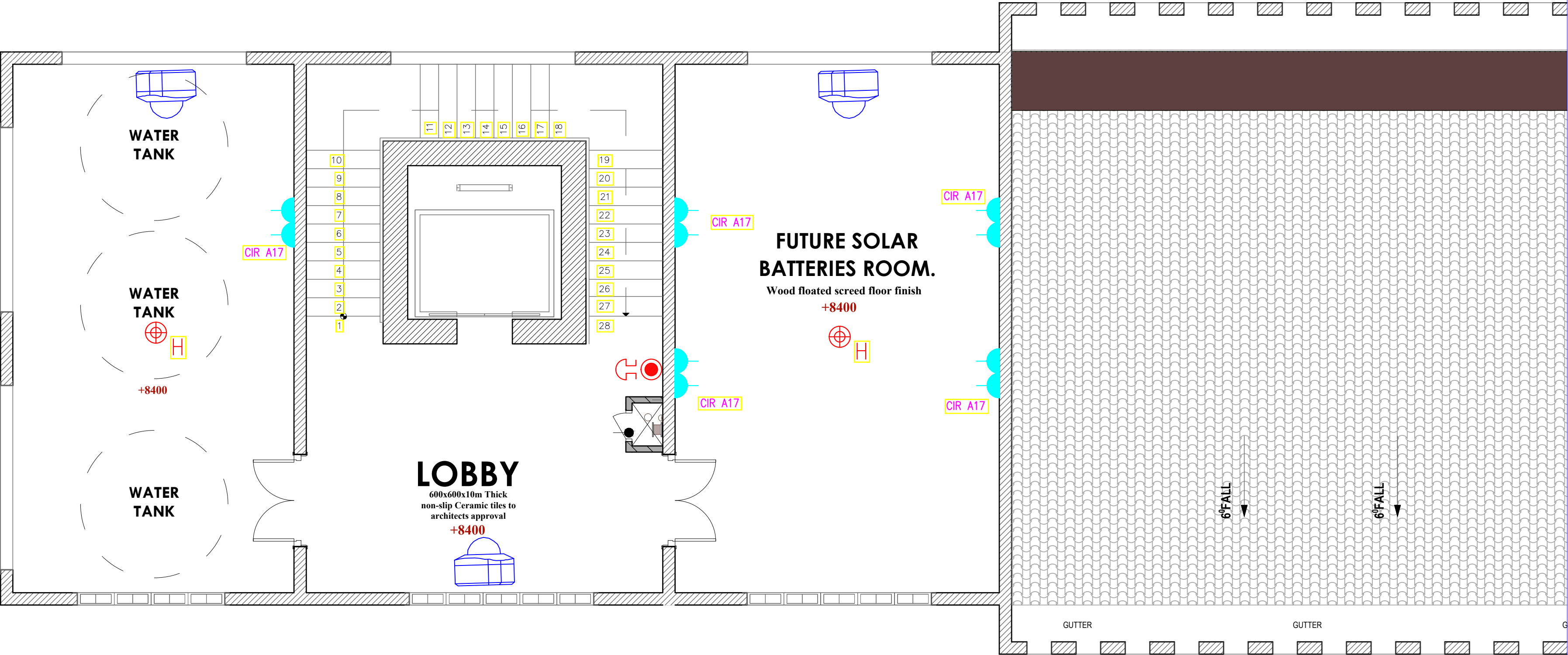
Project no.:  Date:

12 09/01/2024



# SECOND FLOOR LIGHTING





SECOND FLOOR POWER

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTIONAL SECOND  
FLOOR POWER LAYOUT

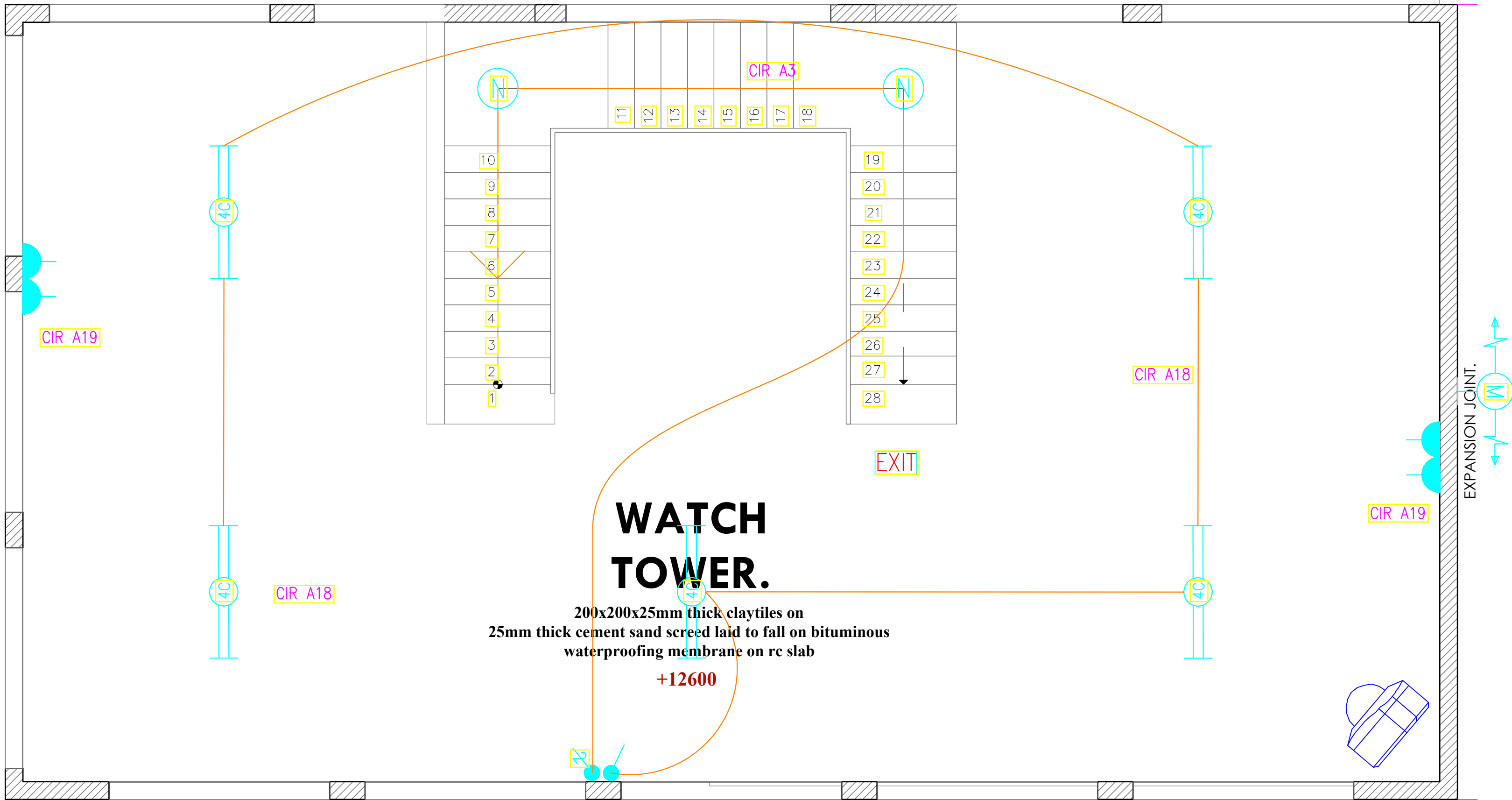
Dwg. No. 12- 003E- 14

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
12	09/01/2024

TENDER ISSUE



## THIRD FLOOR ELECTRICAL

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

### NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

### REVISIONS:

REV. No.	Details of Revision

### PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAERPE FISH LANDING SITE

### CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

### CLIENT'S SIGNATURE:

Sign:

**DRAWING TITLE:**  
**POLYFUNCTION THIRD  
FLOOR ELECTRICAL  
LAYOUT**

Dwg. No. **12- 003E- 15**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2024





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

POLYFUNCTION ROOF  
LIGHTNING LAYOUT

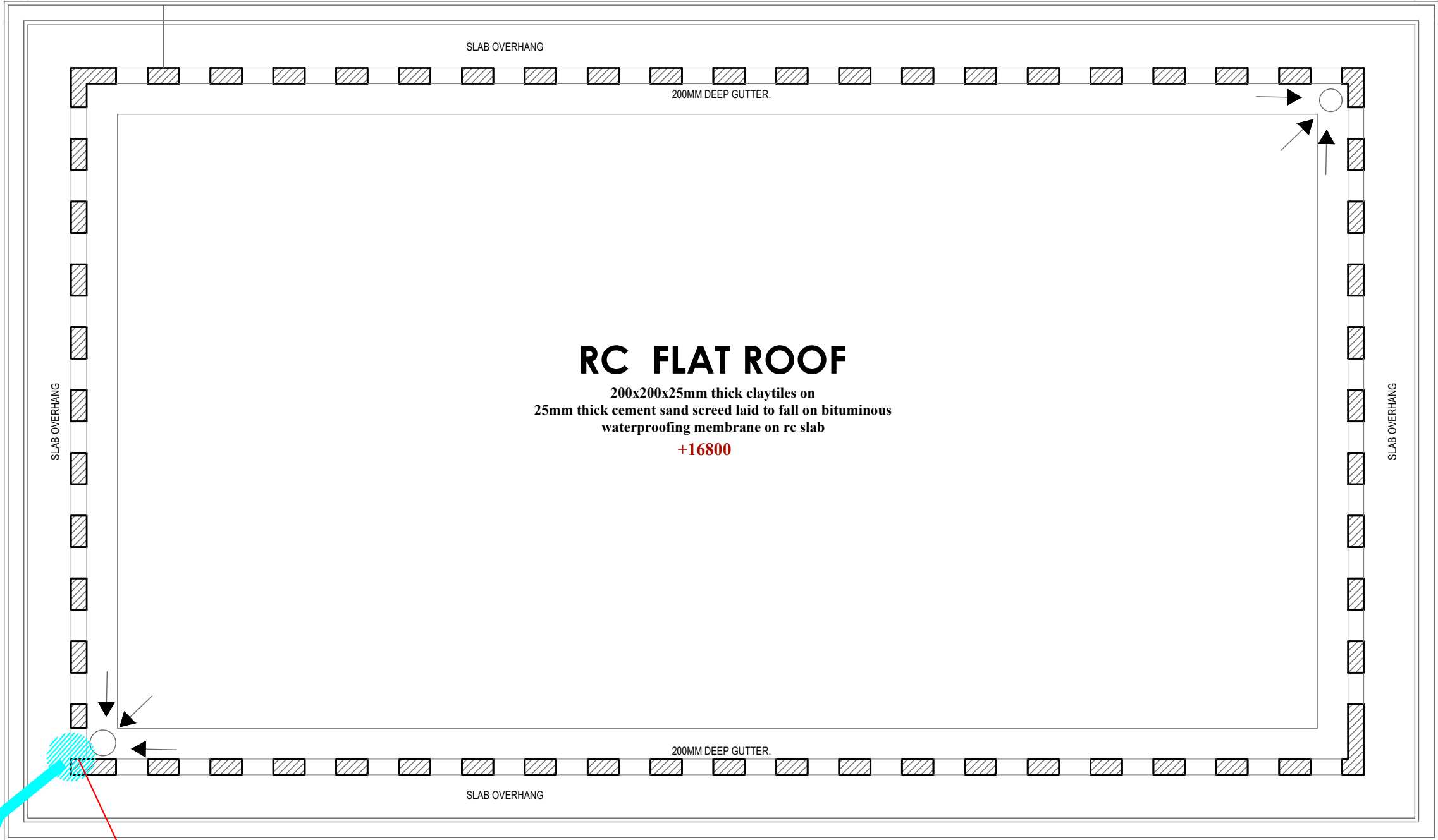
Dwg. No. 12- 003E- 16

Scale: NTS

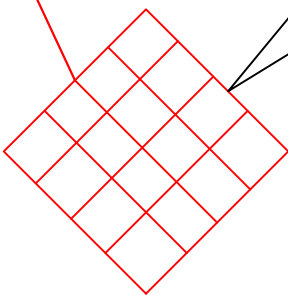
Drawn by  Chek'd By

Project no.:  Date:

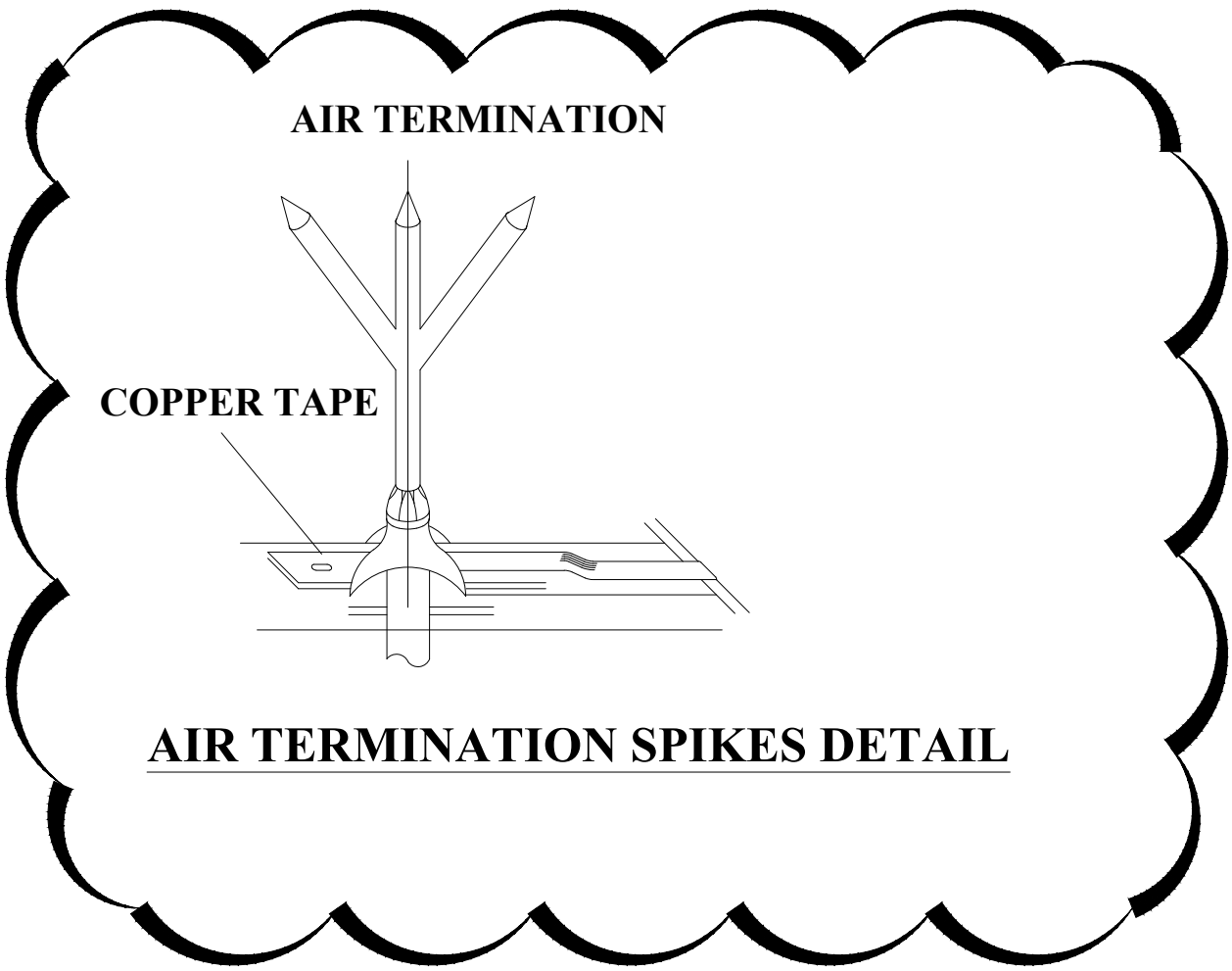
12 09/01/2024

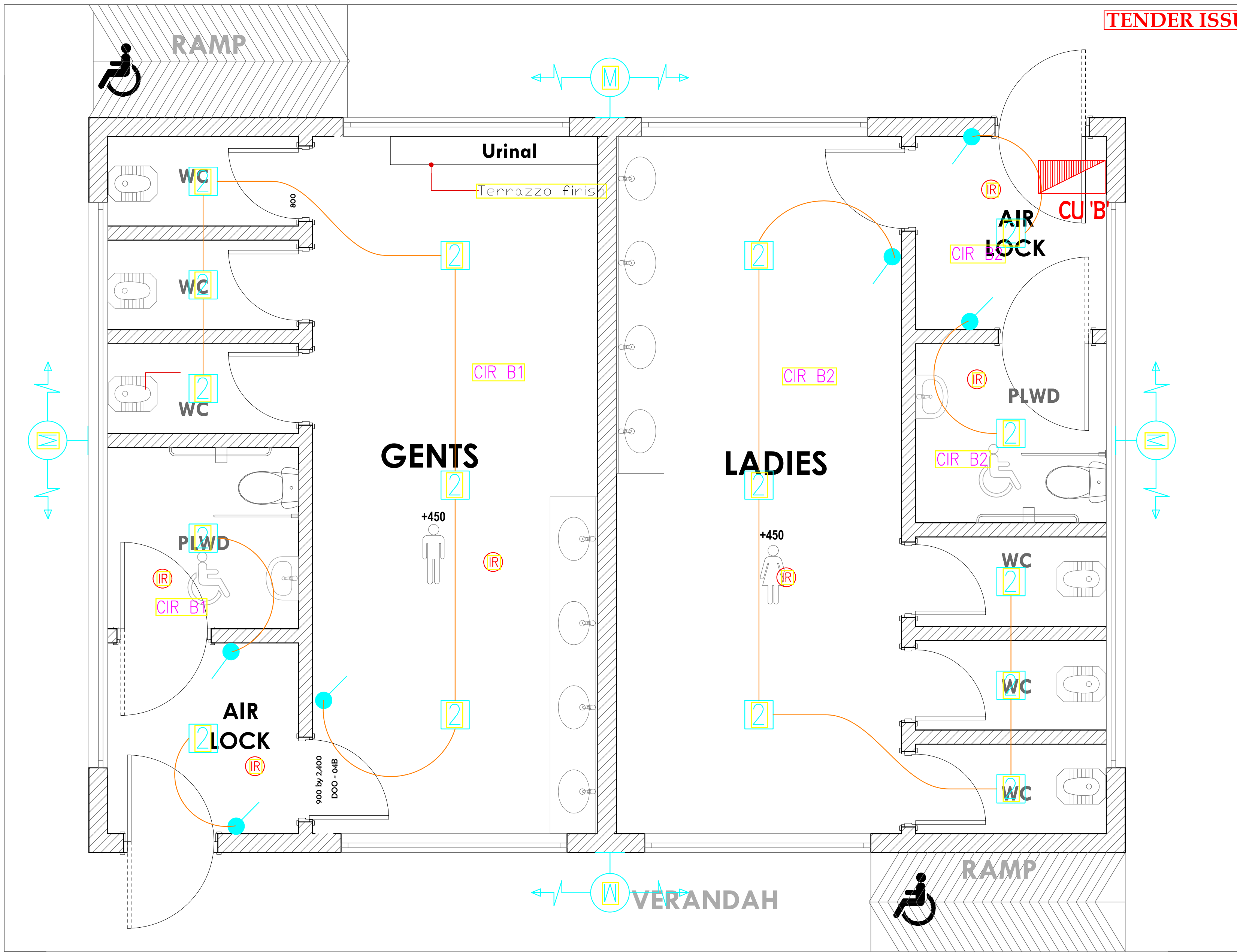


EARTH MAT ON GROUND LEVEL



ROOF  
LIGHTNING ARRESTORS





ABLUTION BLOCK ELECTRICAL

THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

- NOTES**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
  2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
  3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
  4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
  5. DO NOT SCALE FROM THIS DRAWING.
  6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
  7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
  8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
  9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
  10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:	
REV. No.	Details of Revision

**PROJECT TITLE:**

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

**CLIENT:**

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

**CLIENT'S SIGNATURE:**

Sign: \_\_\_\_\_

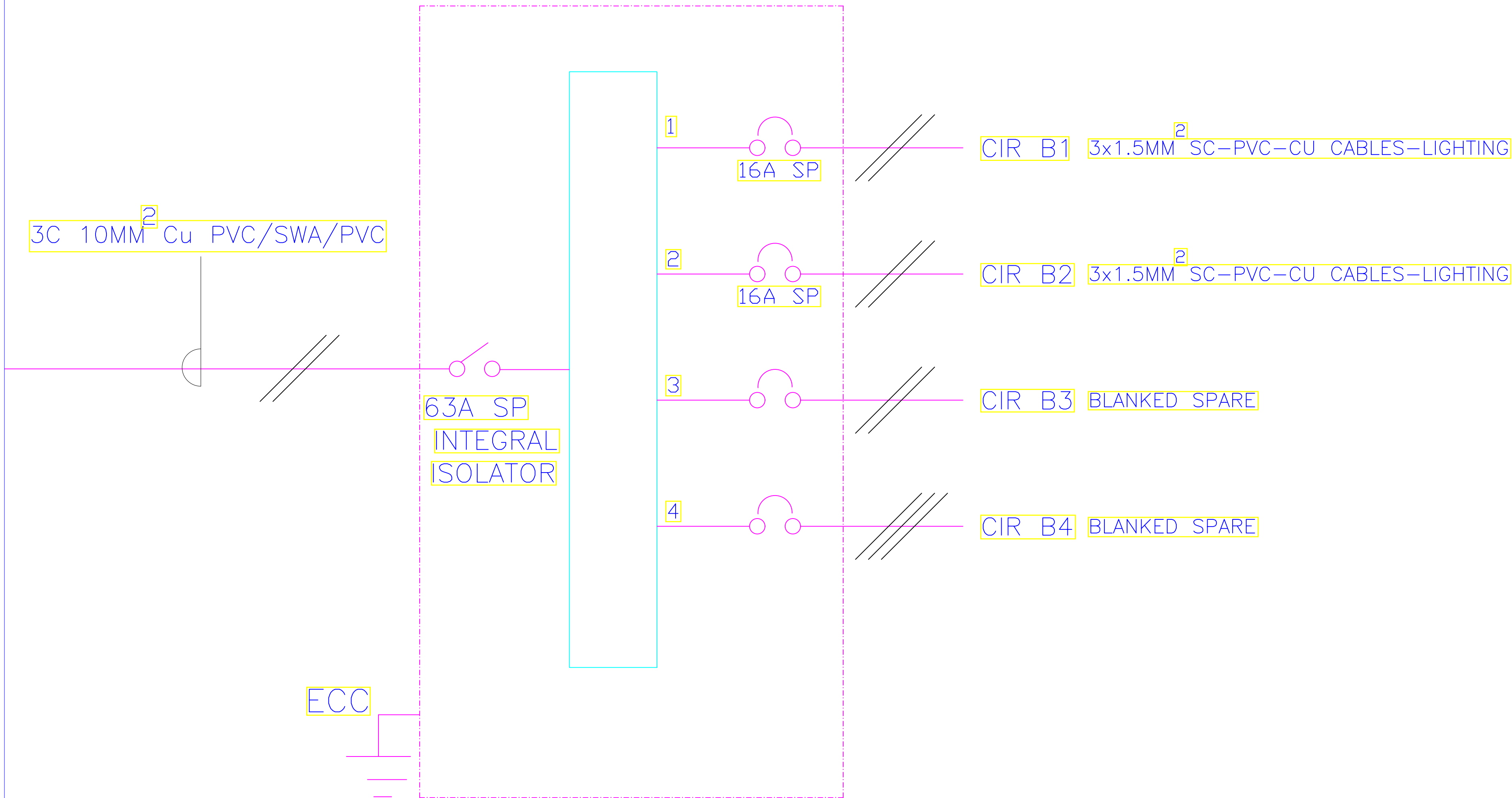
**DRAWING TITLE:**

**ABLUTION BLOCK  
ELECTRICAL LAYOUT**

Dwg. No.	12- 003E- 17
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023



4- WAY 100A SPN CONSUMER UNIT 'B' FOR  
RAW POWER DISTRIBUTION- ABLUTION BLOCK



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

ABLUTION BLOCK  
SCHEMATIC

Dwg. No.	12- 003E- 18
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:  
RESTAURANT BLOCK  
LIGHTING LAYOUT

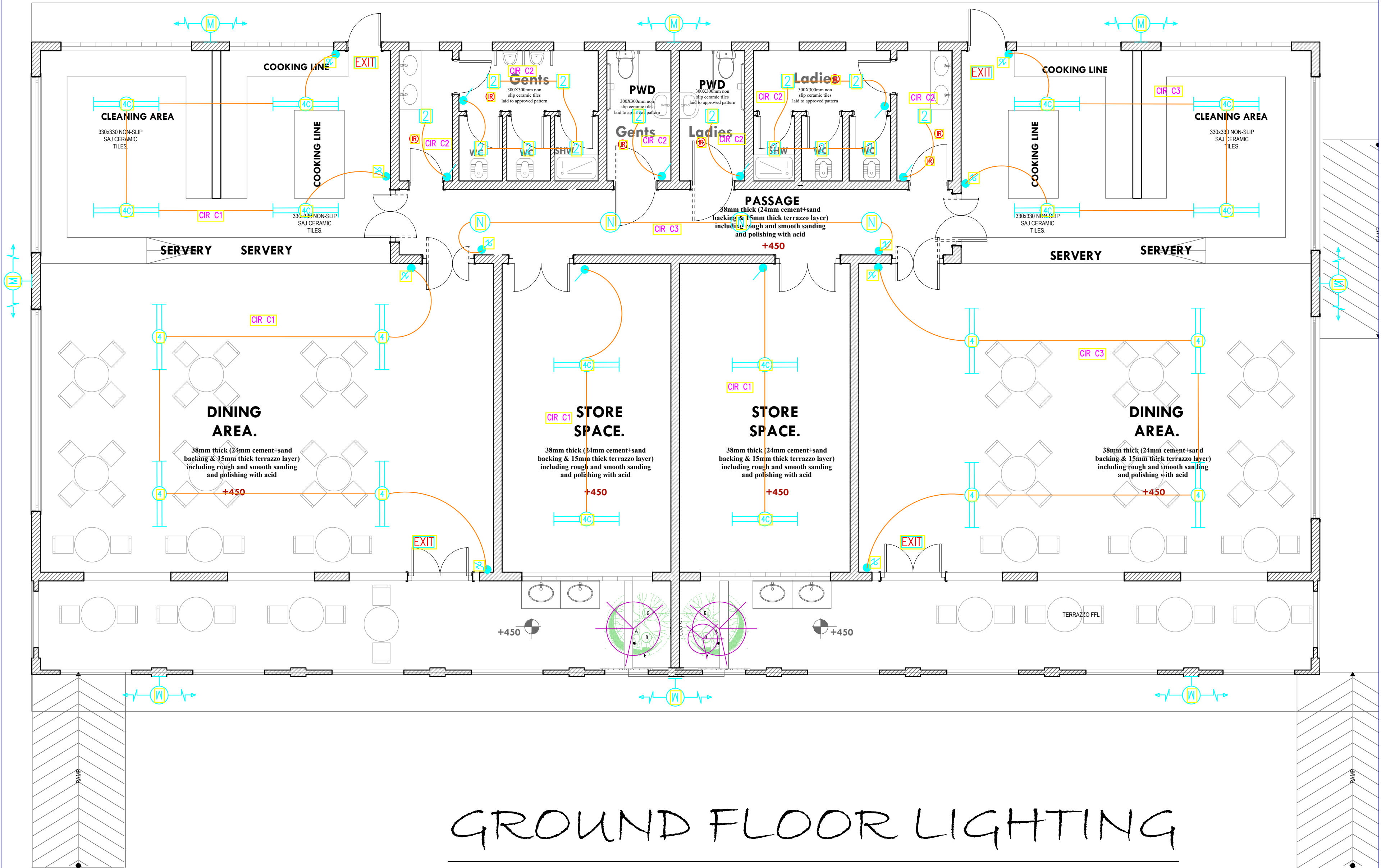
Dwg. No. **12- 003E- 19**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



GROUND FLOOR LIGHTING





ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

RESTAURANT BLOCK  
POWER LAYOUT

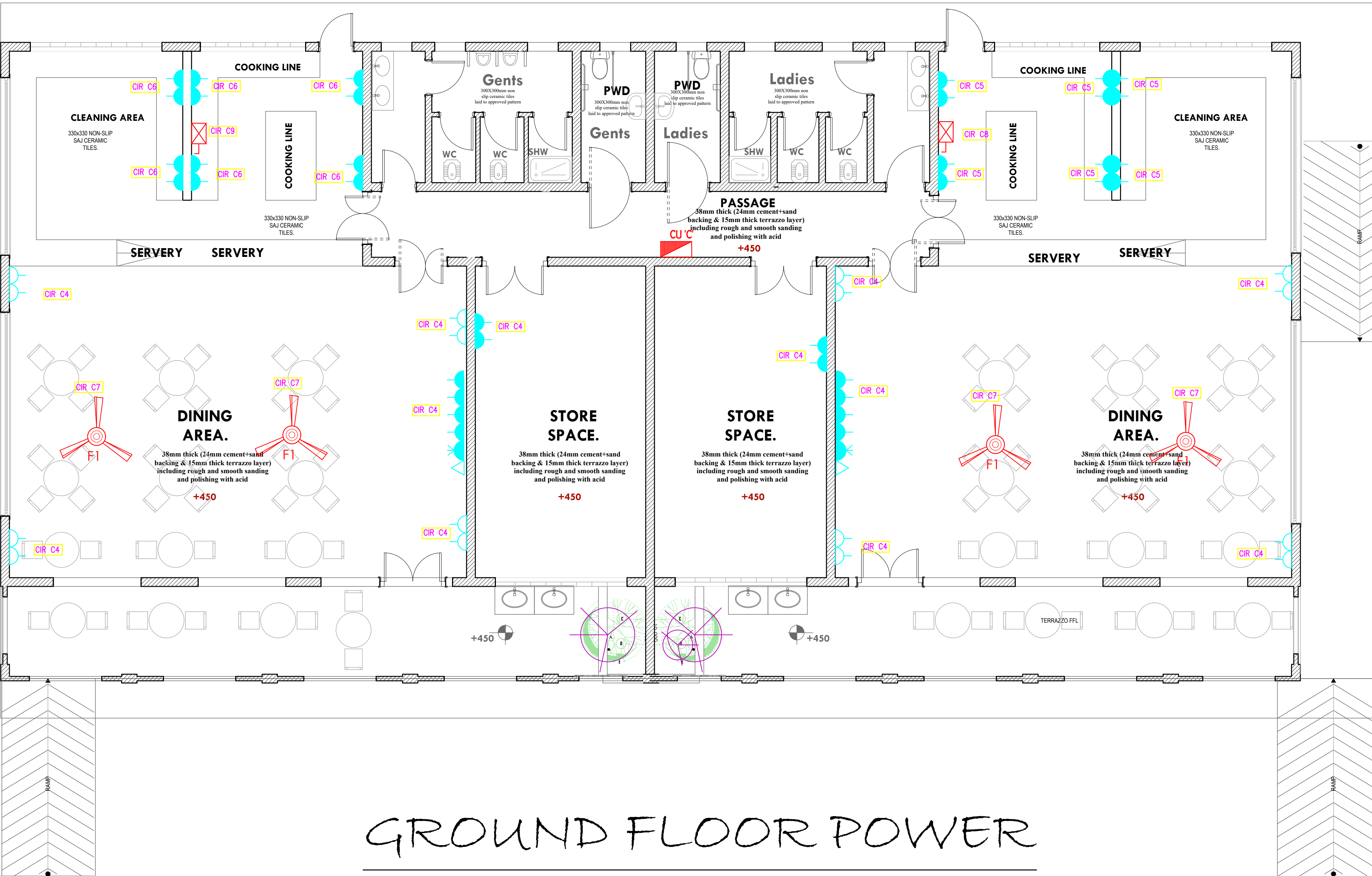
Dwg. No. **12- 003E- 20**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



GROUND FLOOR POWER



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

RESTAURANT BLOCK FIRE  
ALARM LAYOUT

Dwg. No. **12- 003E- 21**

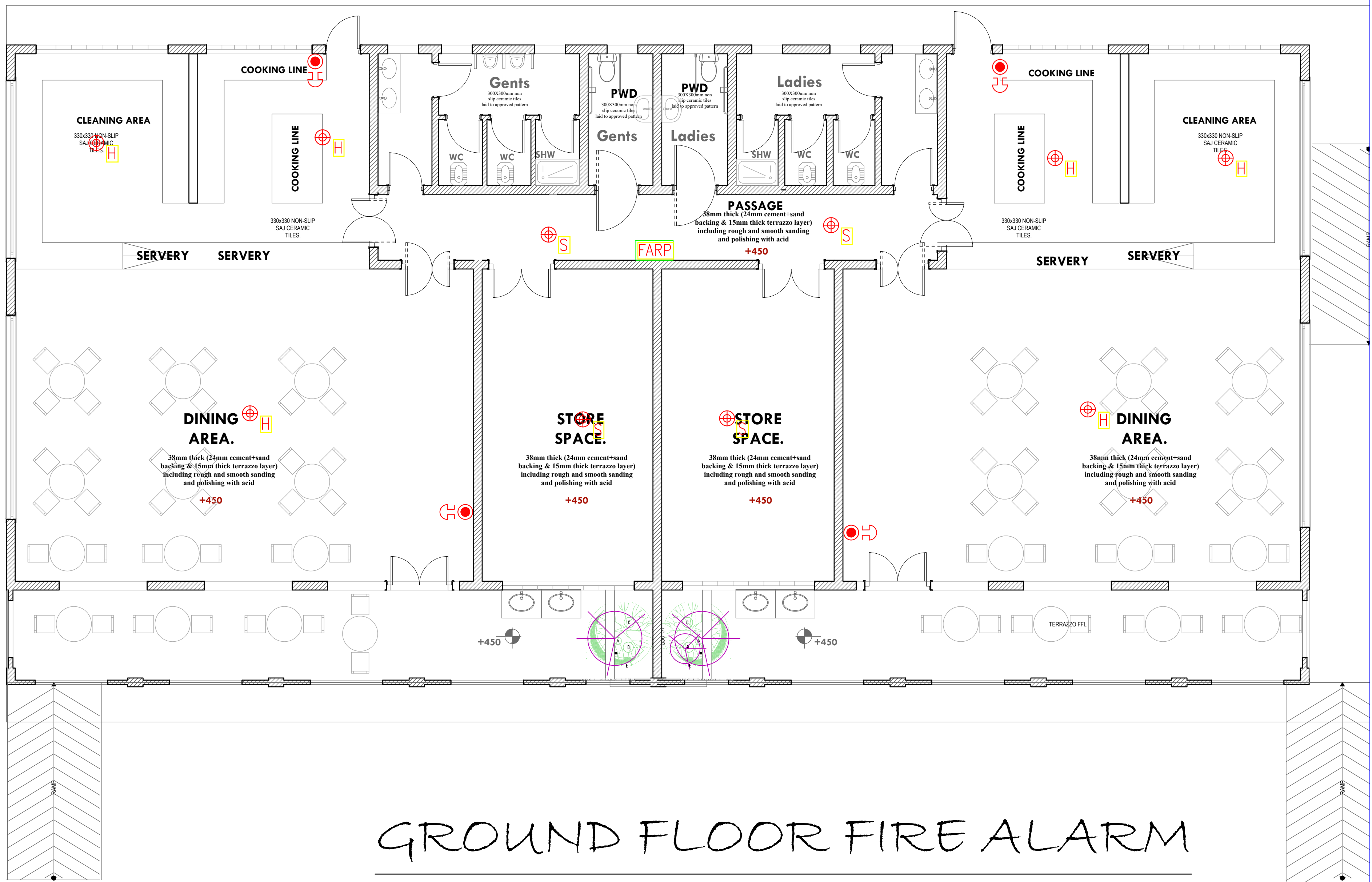
Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023

GROUND FLOOR FIRE ALARM







ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

RESTAURANT BLOCK CCTV  
LAYOUT

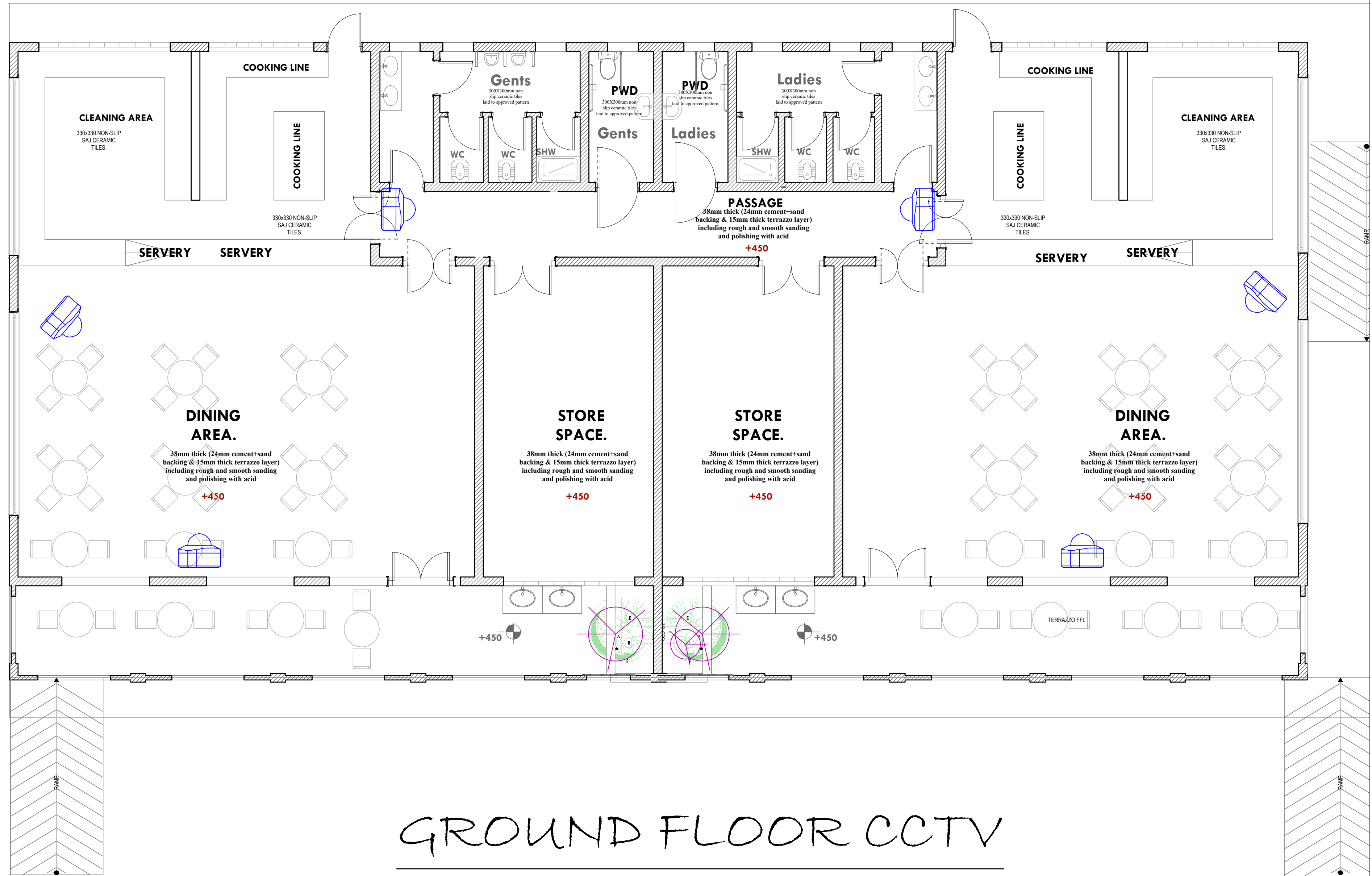
Dwg. No. **12- 003E- 22**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

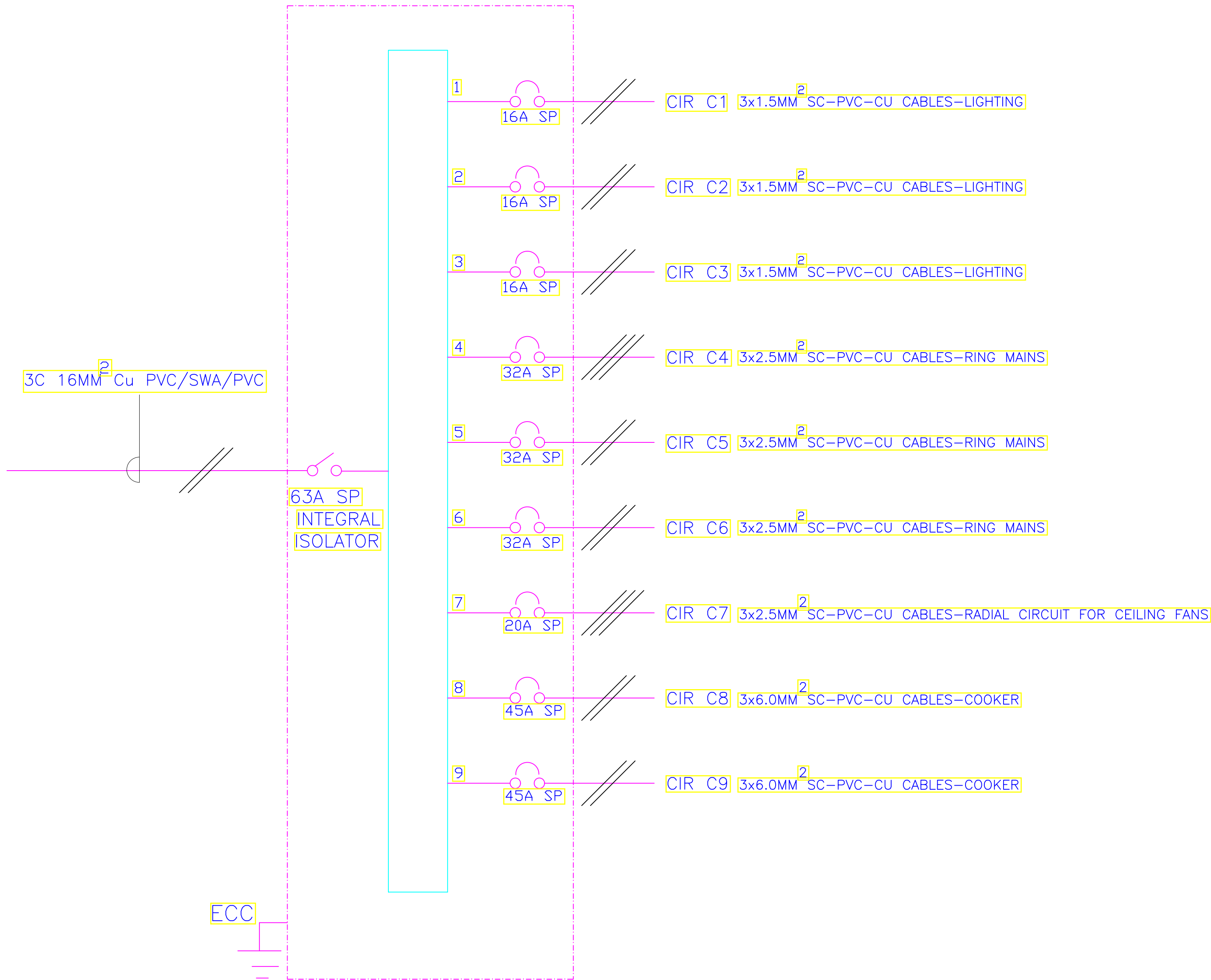
Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



GROUND FLOOR CCTV

4- WAY 100A SPN CONSUMER UNIT 'B' FOR  
RAW POWER DISTRIBUTION- RESTAURANT



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

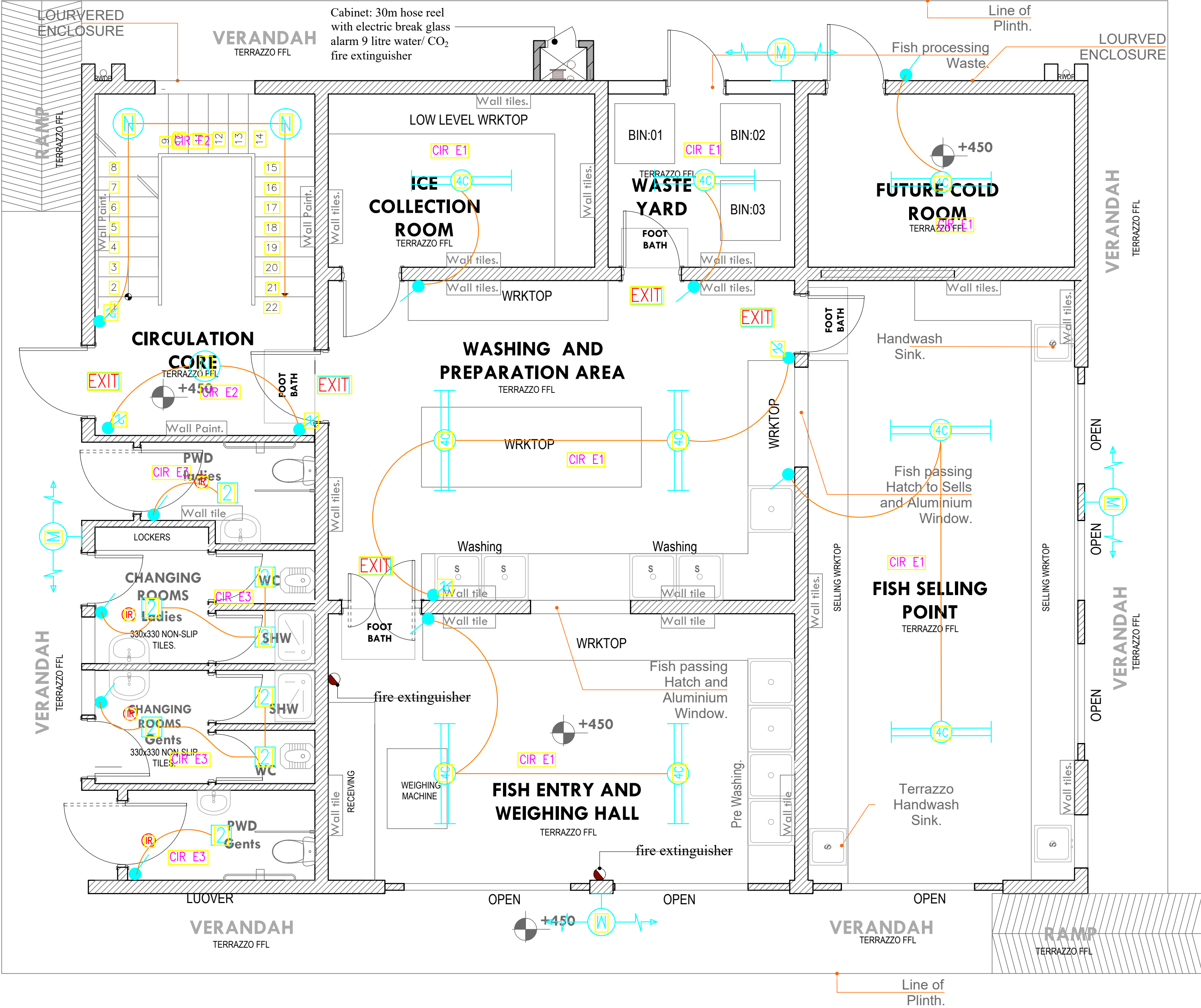
CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
RESTAURANT BLOCK  
SCHEMATIC

Dwg. No.	12- 003E- 23
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023





GROUND FLOOR LIGHTING



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MBE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

FISH BANDA GROUND  
FLOOR LIGHTING LAYOUT

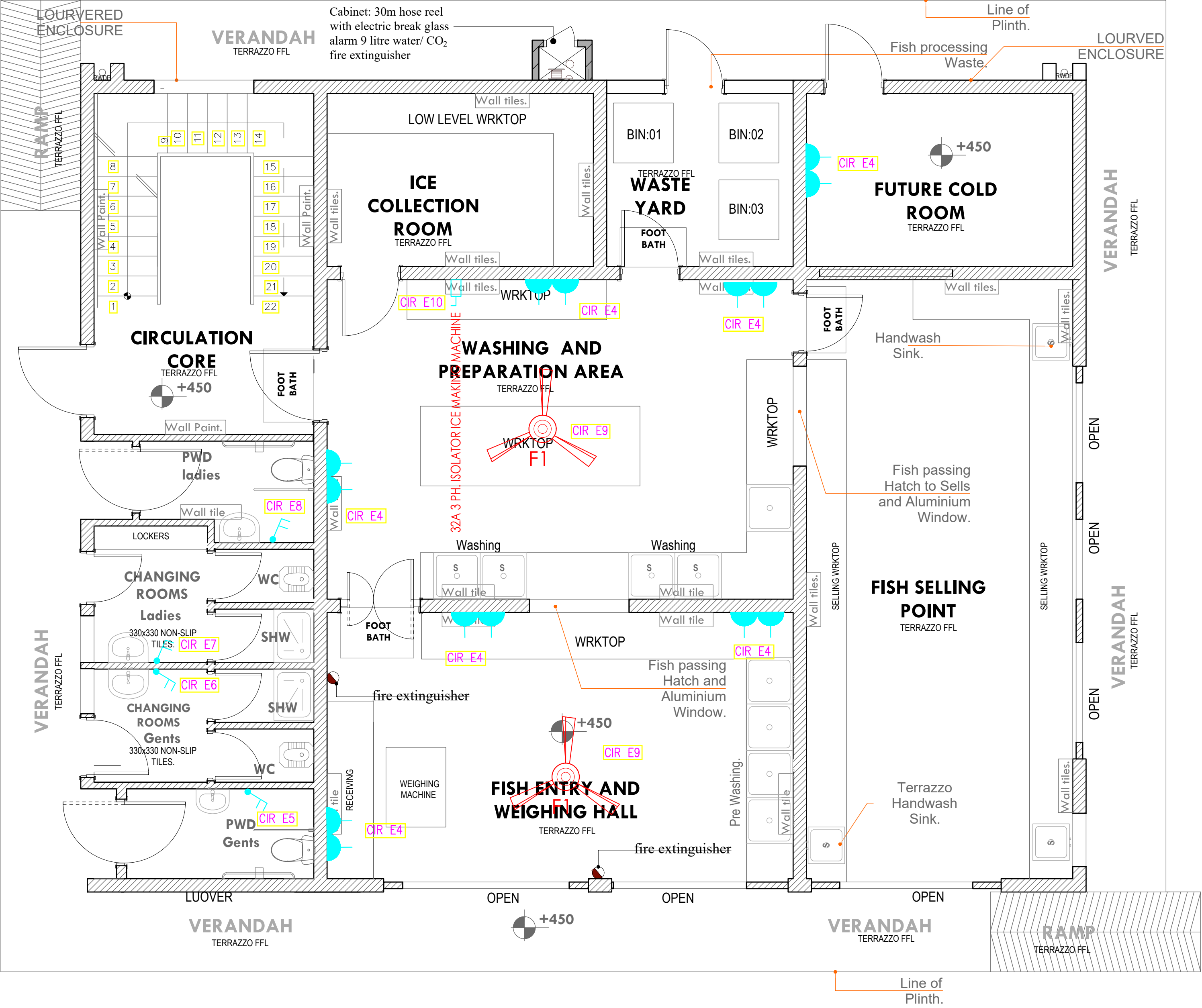
Dwg. No. **12- 003E- 24**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



GROUND FLOOR POWER



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

FISH BANDA GROUND  
FLOOR POWER LAYOUT

Dwg. No. **12- 003E- 25**

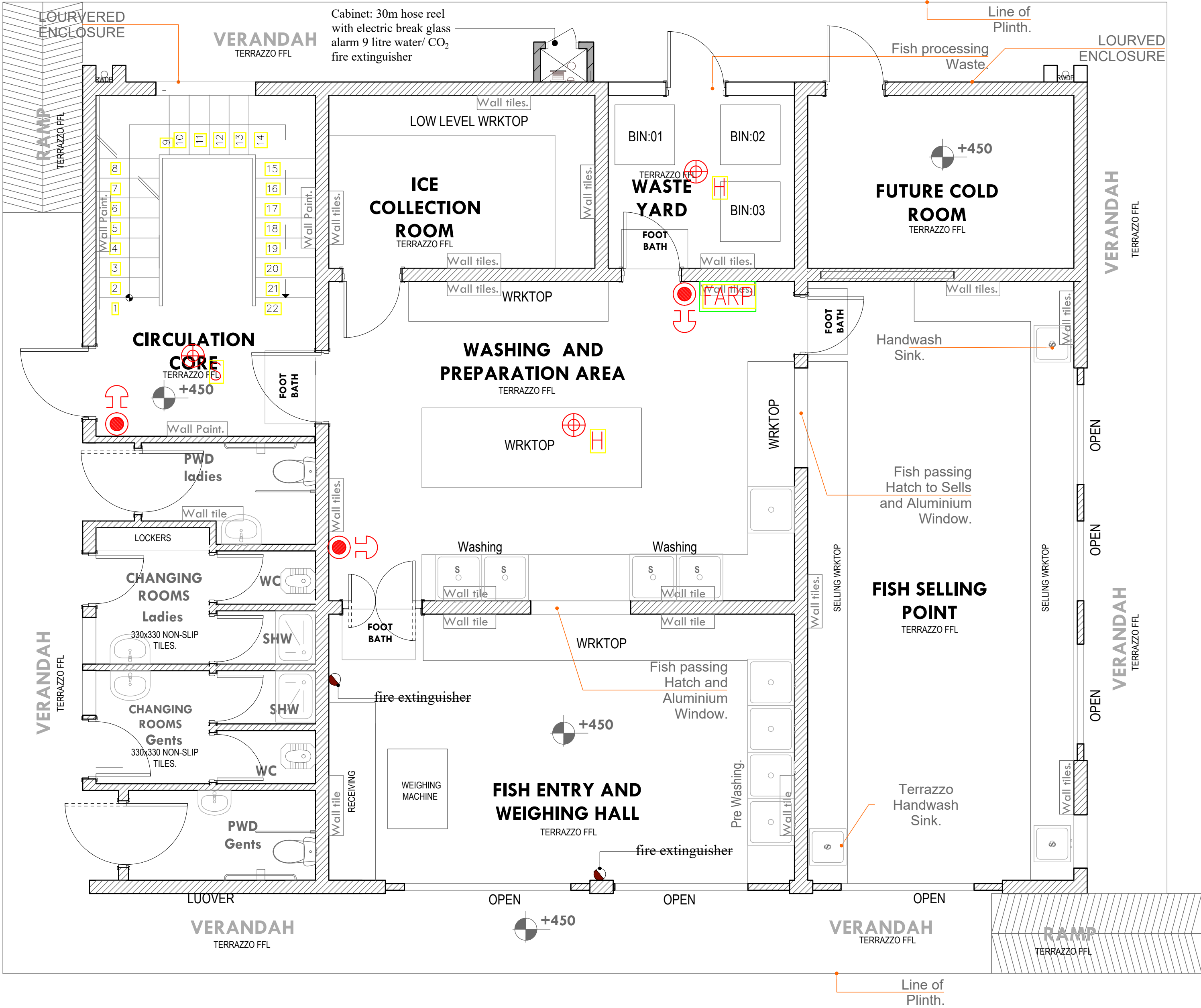
Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023





GROUND FLOOR FIRE ALARM



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MBE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

FISH BANDA GROUND  
FLOOR FIRE ALARM  
LAYOUT

Dwg. No. **12- 003E- 26**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign: \_\_\_\_\_

DRAWING TITLE:

**FISH BANDA GROUND  
FLOOR CCTV LAYOUT**

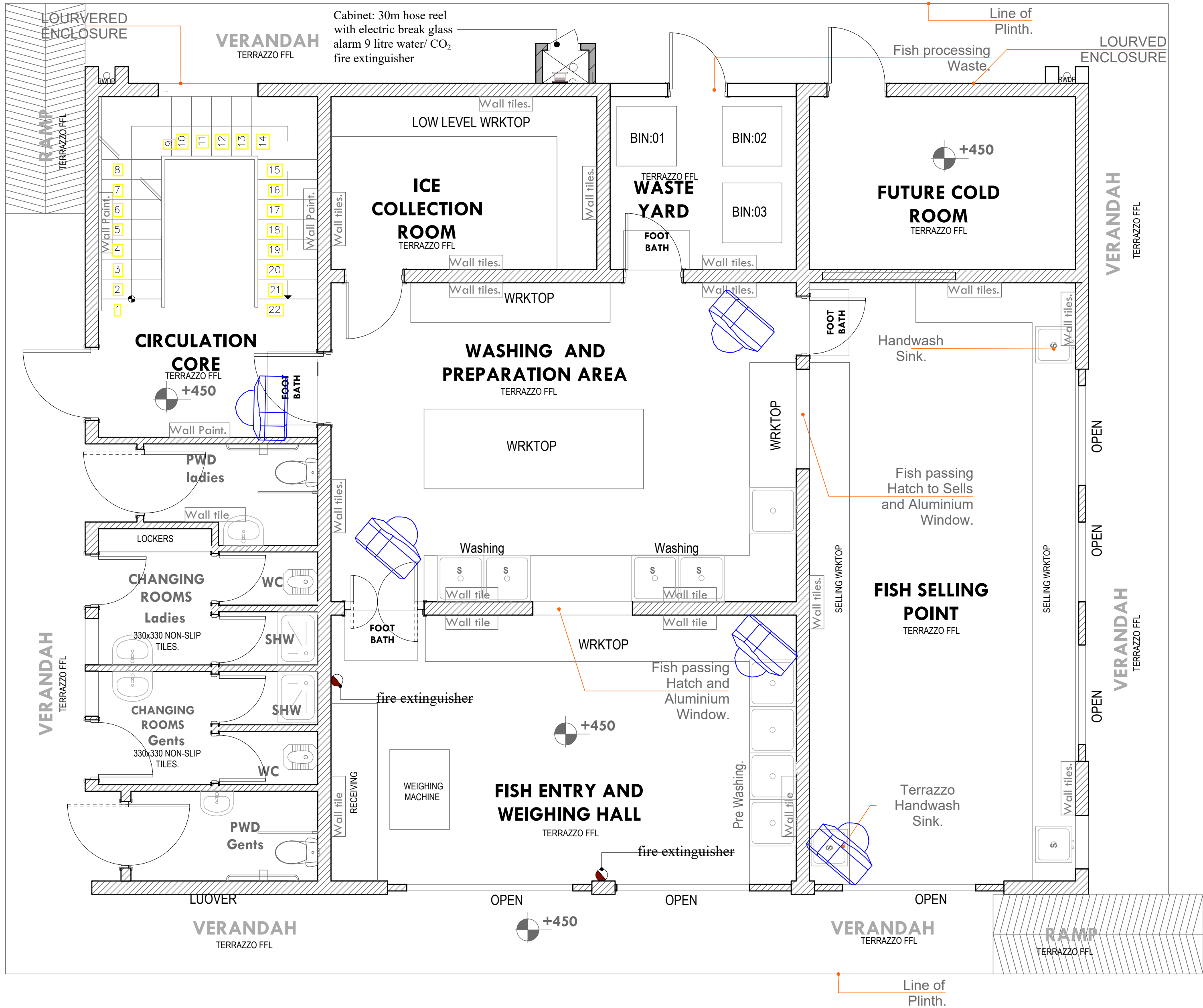
Dwg. No. **12- 003E- 27**

Scale: NTS

Drawn by \_\_\_\_\_ Chek'd By \_\_\_\_\_

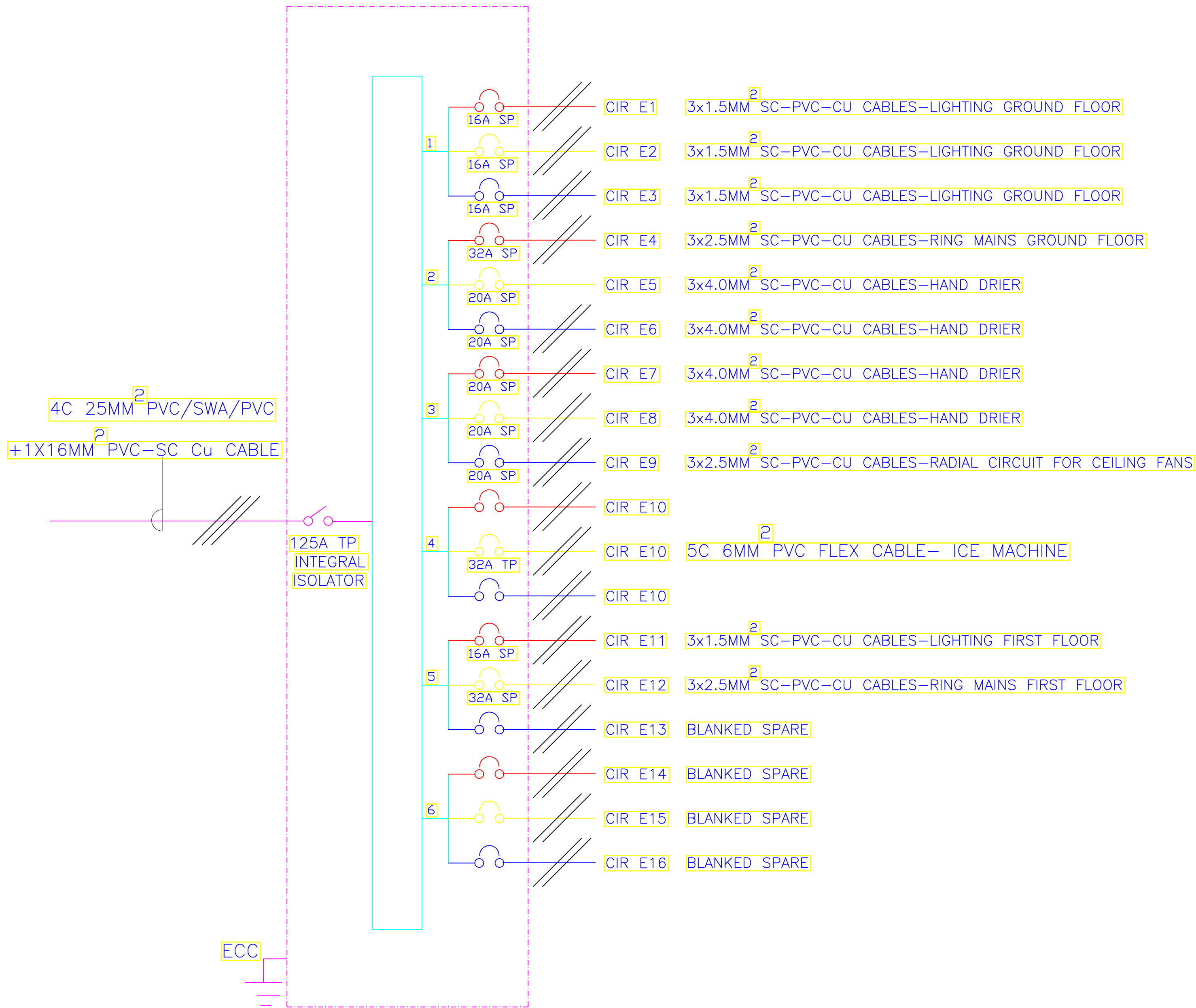
Project no.: \_\_\_\_\_ Date: \_\_\_\_\_

12 09/01/2023



GROUND FLOOR CCTV





6- WAY 100A TPN DISTRIBUTION BOARD 'E'  
FOR RAW POWER DISTRIBUTION IN THE FISH BANDA



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FISH BANDA SCHEMATIC

Dwg. No. **12- 003E- 28**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

#### NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

#### REVISIONS:

REV. No.	Details of Revision

#### PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

#### CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

#### CLIENT'S SIGNATURE:

Sign:

#### DRAWING TITLE:

**FISH BANDA FIRST FLOOR  
ELECTRICAL LAYOUT**

Dwg. No. **12- 003E- 29**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023

Fullbora Drain  
outlet.

900mm high  
Parapet wall with  
Decorations.

Fullbora Drain  
outlet.

Fullbora Drain  
outlet.

GUTTER

GUTTER

GUTTER

GUTTER

GUTTER

ICE MACHINE

TERRAZZO FFL

STORAGE.

**RC FLAT ROOF**  
FUTURE UPWARD  
EXPANSION.  
APP ON SCREED AND INTERLOCKING  
TILES.

WATER TANKS  
SPACE

LOURVED  
ENCLOSURE

**FIRST FLOOR ELECTRICAL LAYOUT**





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPÉ FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

**FISH BANDA ROOF  
LIGHTNING ARRESTORS  
LAYOUT**

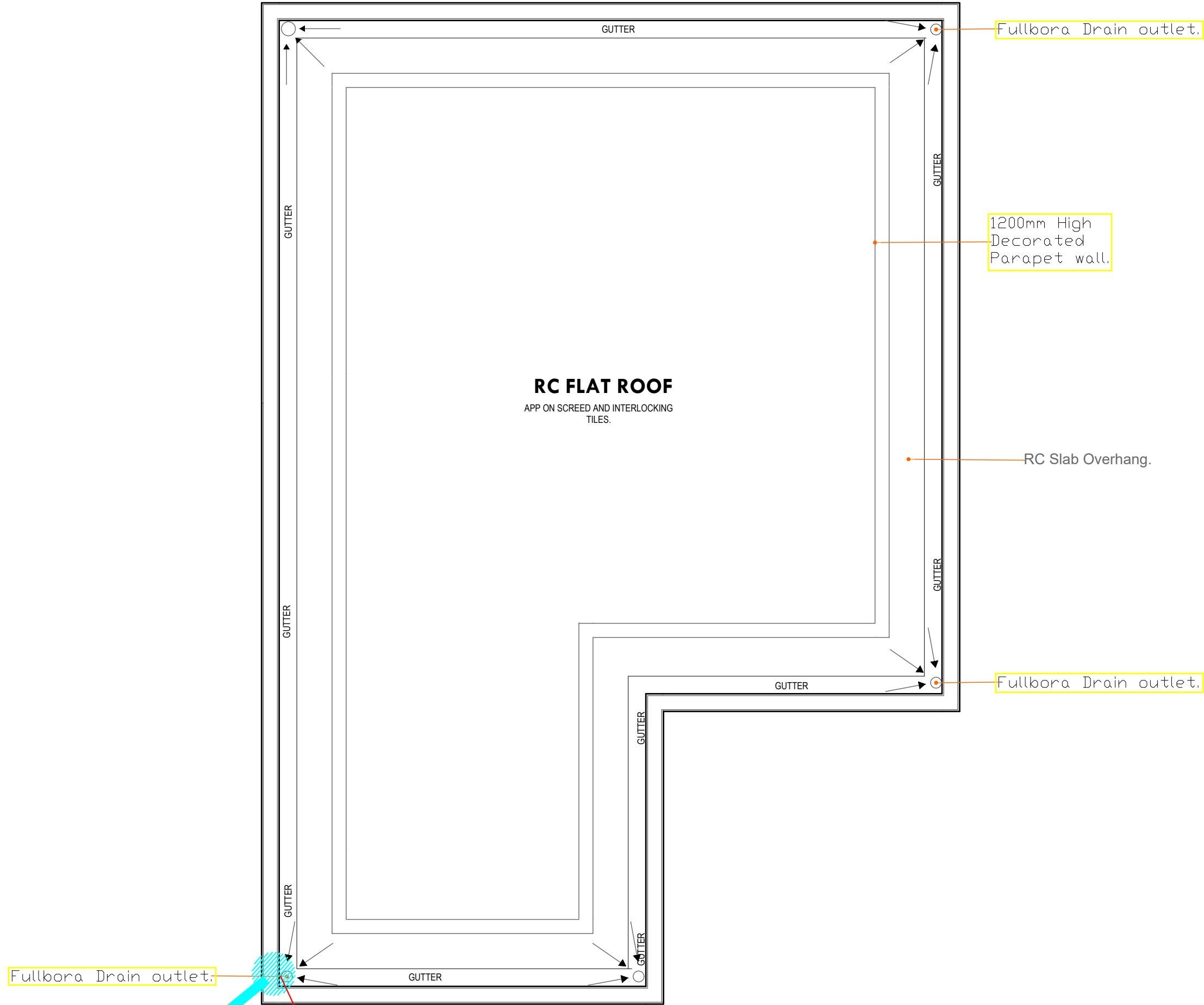
Dwg. No. **12- 003E- 30**

Scale: NTS

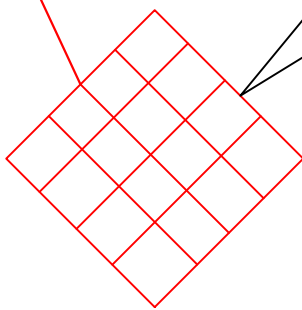
Drawn by  Chek'd By

Project no.:  Date:

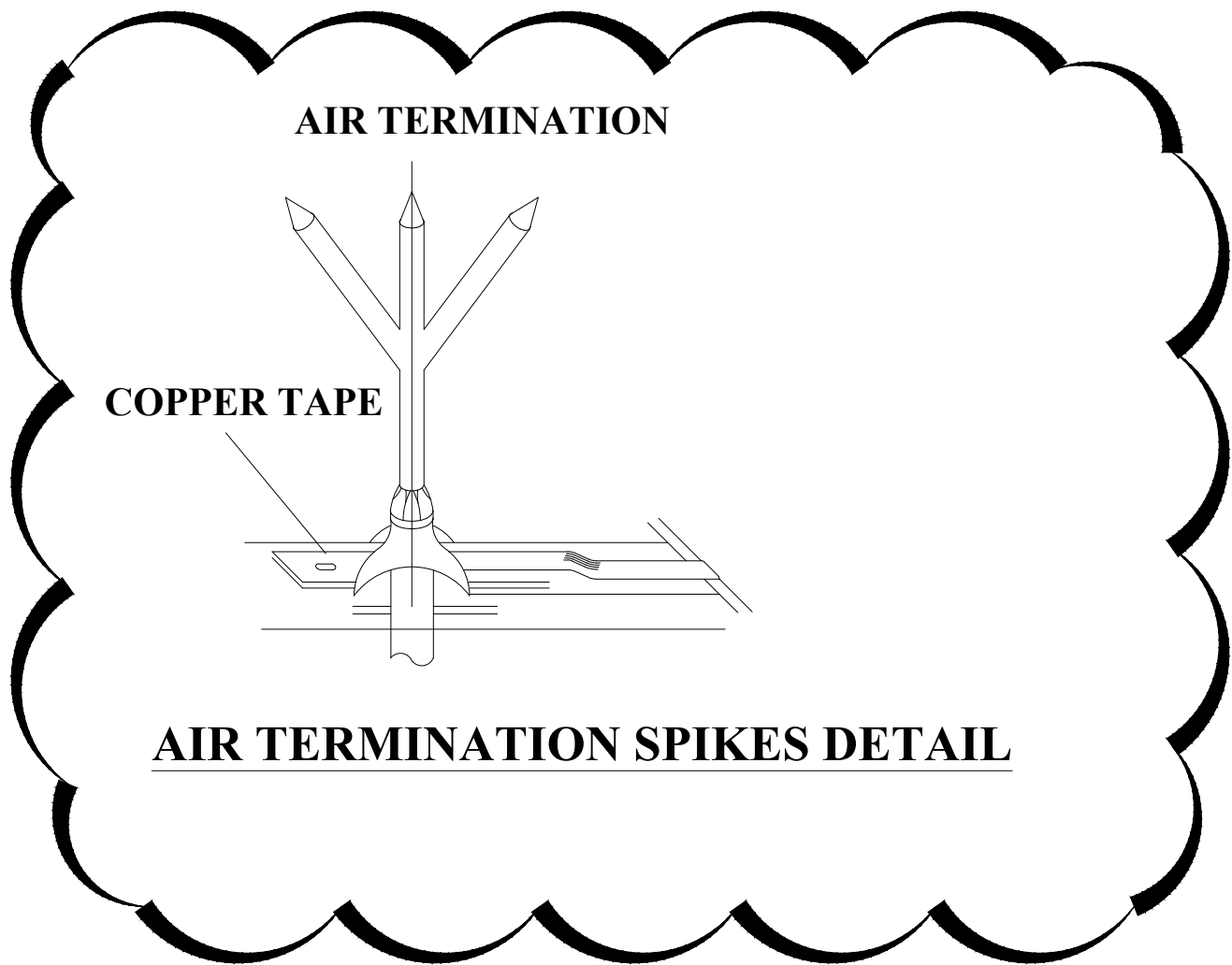
12 09/01/2023

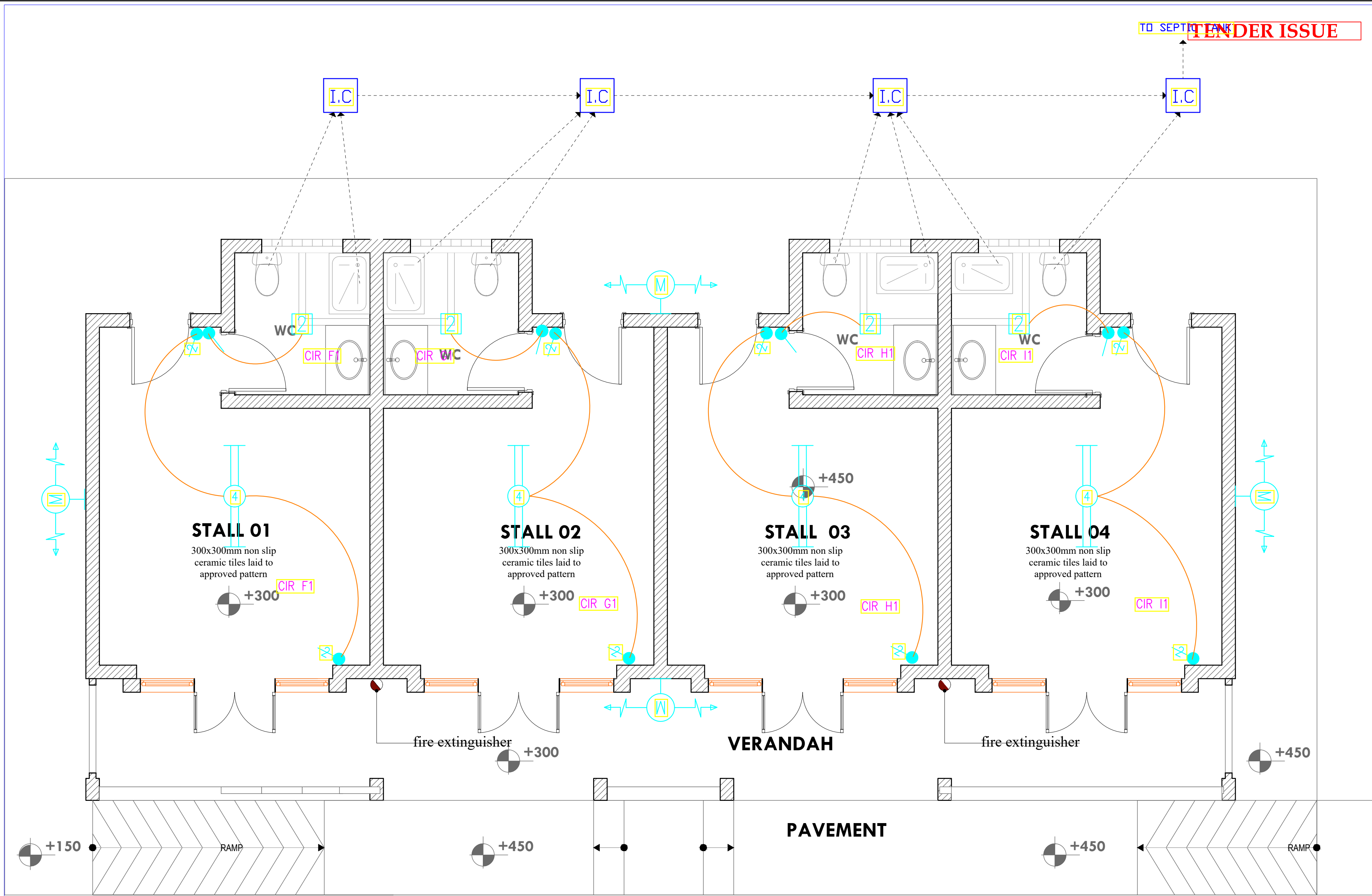


**EARTH MAT ON GROUND LEVEL**



ROOF  
LIGHTNING ARRESTORS






STALLS 1-4 LIGHTING LAYOUT

THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT

ARPRIM



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

**NOTES**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAIN BUILDING SERVICES CONSULTANT IMMEDIATELY.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

**REVISIONS:**

REV. No.	Details of Revision

**PROJECT TITLE:**

PROPOSED CONSTRUCTION OF  
MWAERPE FISH LANDING SITE

**CLIENT:**

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

**CLIENT'S SIGNATURE:**

Sign:  

**DRAWING TITLE:**

**STALLS 1-4 LIGHTING  
LAYOUT**

Dwg. No.	<b>12- 003E- 31</b>
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023





## NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BY CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INDICATED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TOILET CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SELLING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REV. No.	Details of Revision

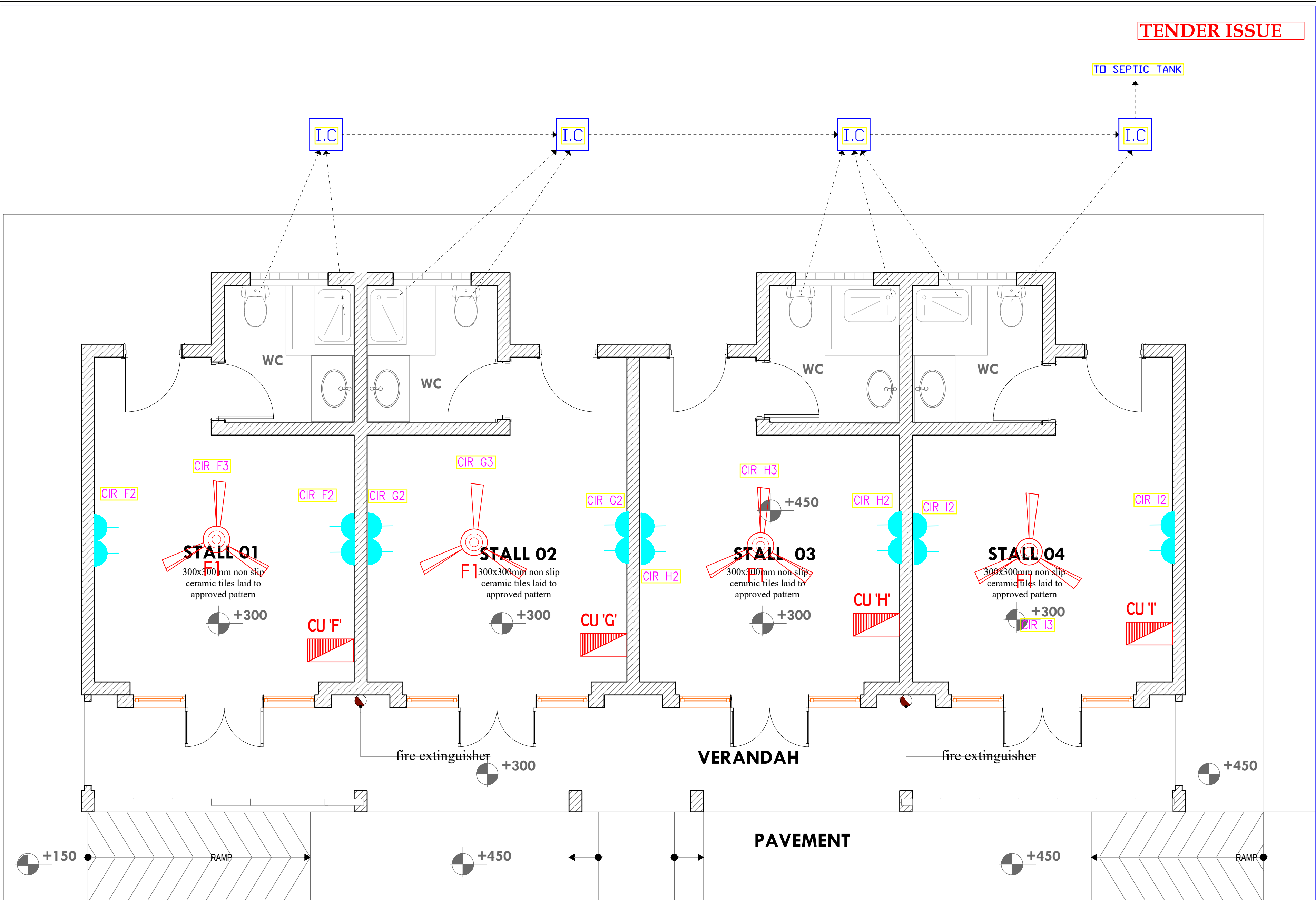
## PROPOSED CONSTRUCTION OF MWAEPE FISH LANDING SITE

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

Sign:	
-------	--

## STALLS 1-4 POWER LAYOUT

12	09/01/2023
----	------------



## STALLS 1-4 POWER LAYOUT

## TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

N O T E S

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE A/E. BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. ALL DIMENSIONS SHALL BE IN MILLIMETERS.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. THE ORDER AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

## REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

### PROPOSED CONSTRUCTION OF MWAEPE FISH LANDING SITE

**CLIENT:**

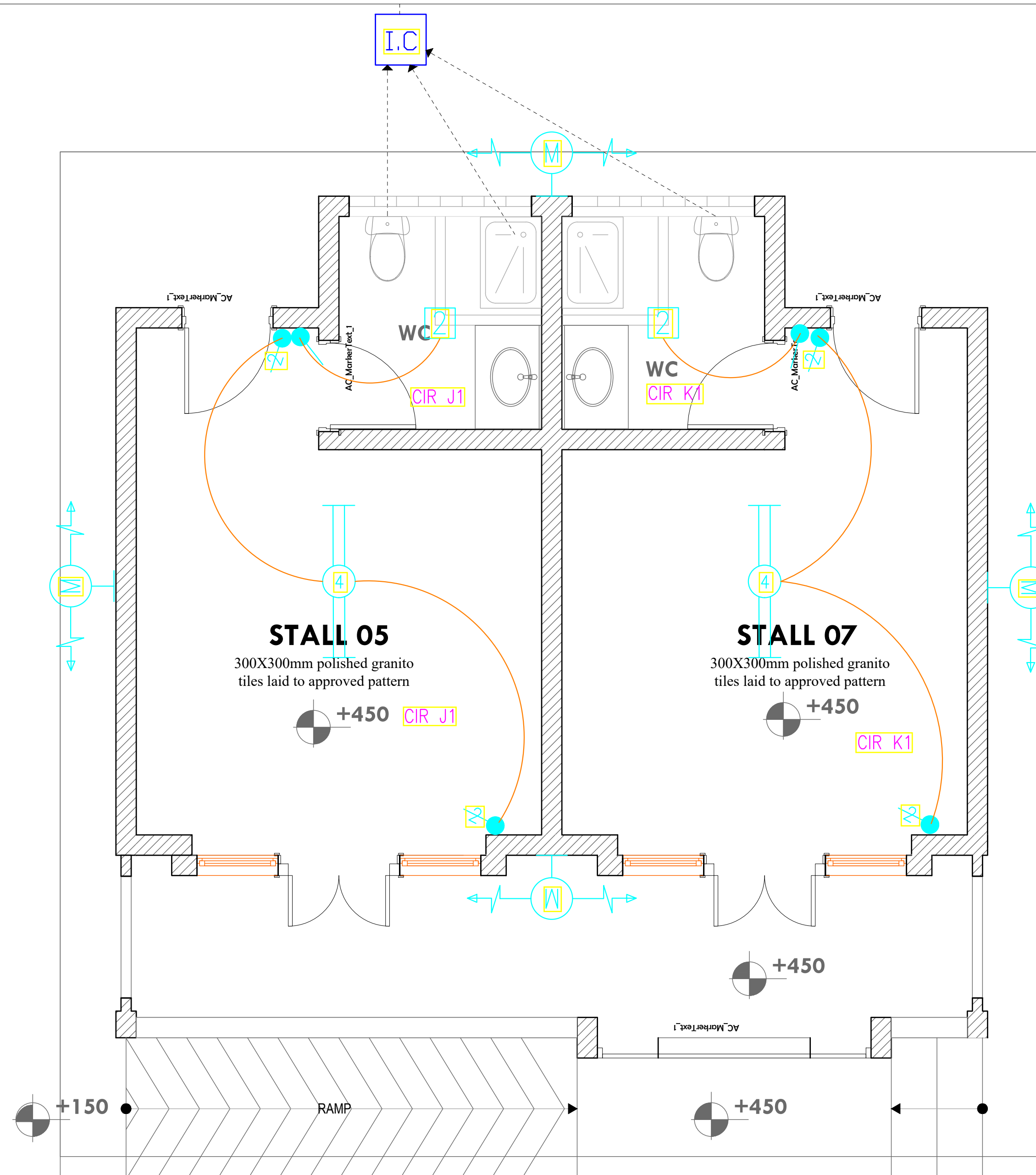
STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

**CLIENT'S SIGNATURE:**

Sign:	
-------	--

**DRAWING TITLE:**  
**STALLS 4-5 LIGHTING**  
**LAYOUT**

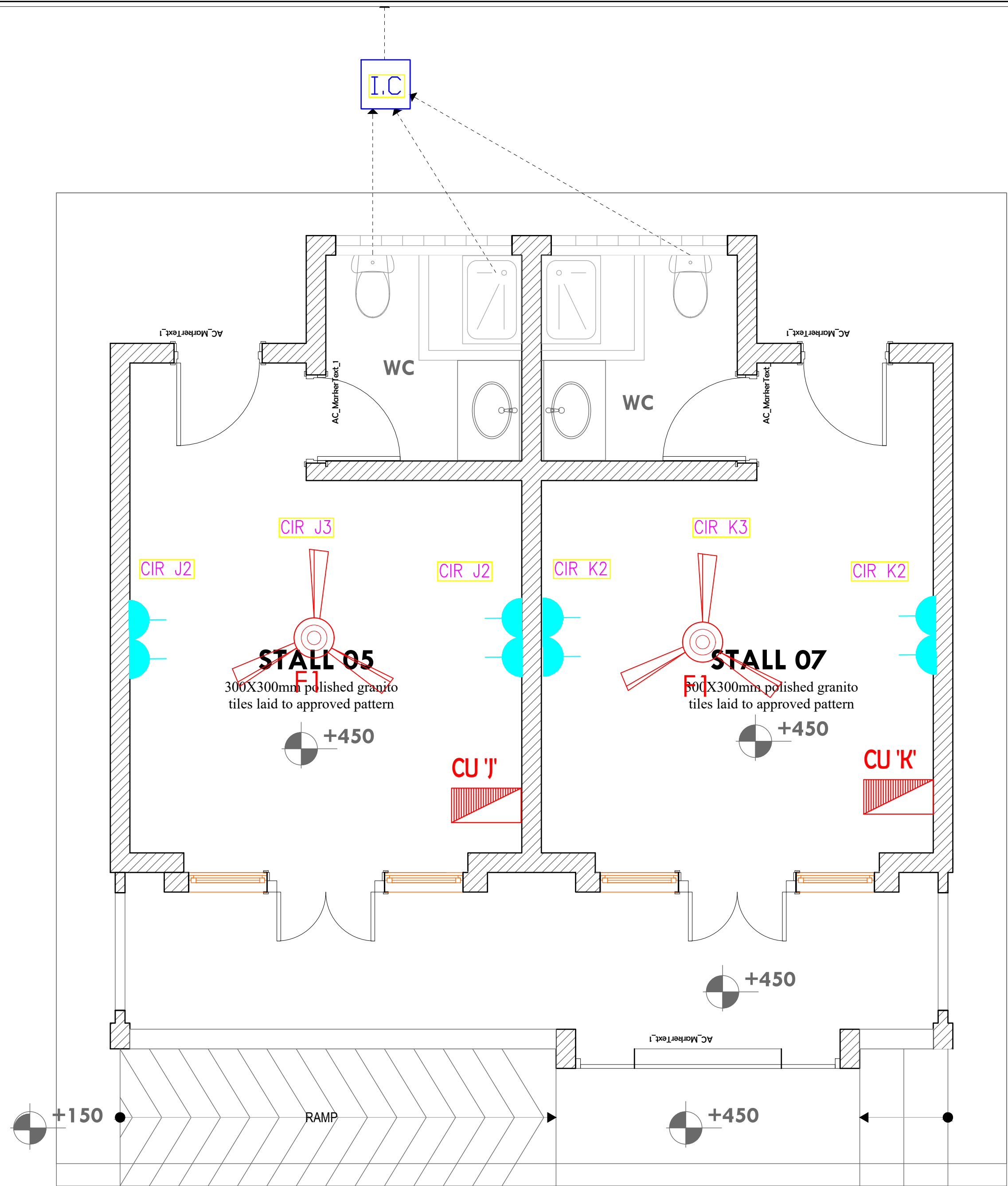
Dwg. No.	<b>12- 003E- 33</b>		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
12	09/01/2023		



## STALLS 5-6 LIGHTING LAYOUT



TENDER ISSUE



STALLS 5-6 POWER LAYOUT

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MR. BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

STALLS 4-5 POWER LAYOUT

Dwg. No. **12- 003E- 34**

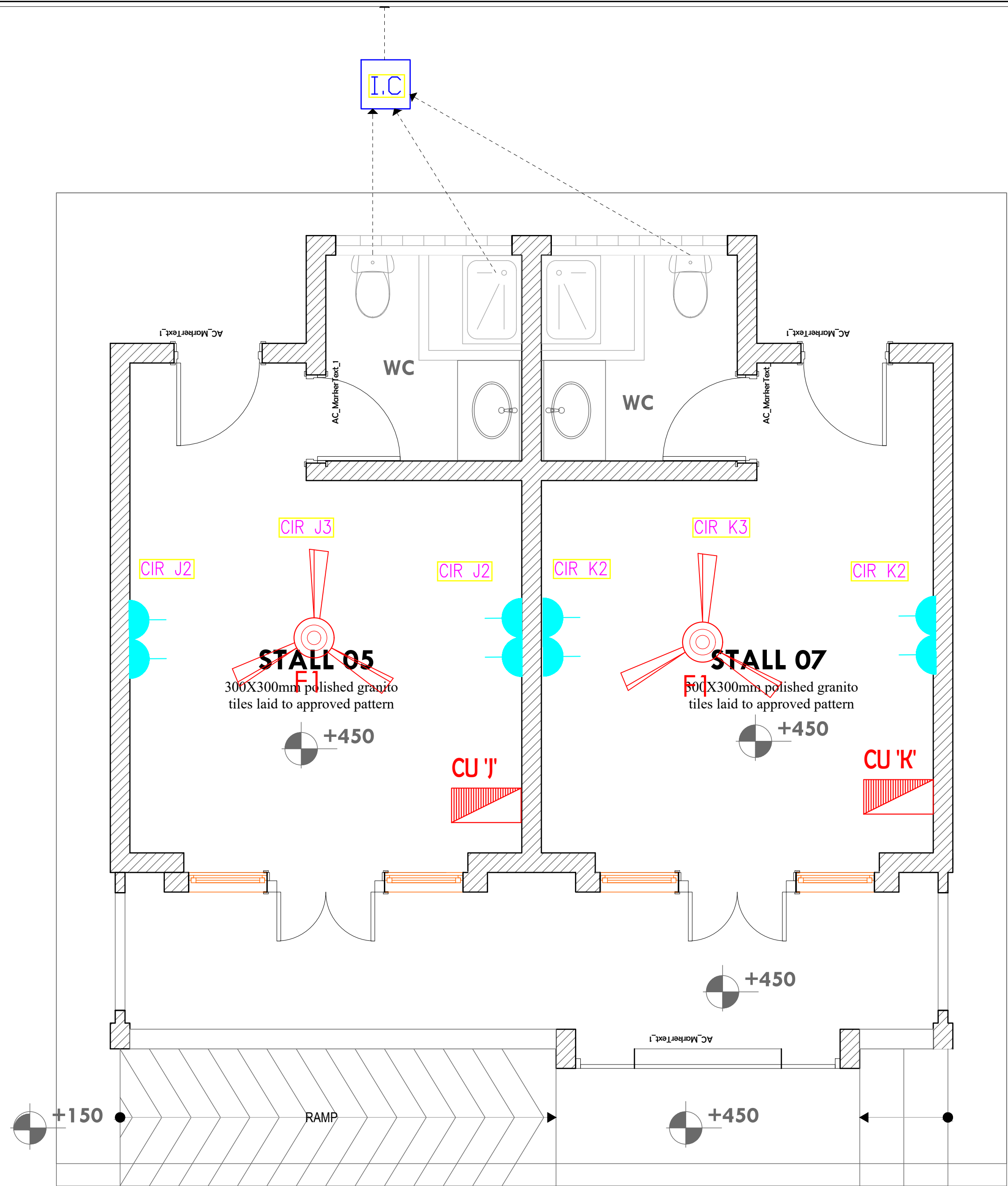
Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023

TENDER ISSUE



STALLS 5-6 POWER LAYOUT

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MR. BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

STALLS TYPICAL  
SCHEMATIC

Dwg. No. **12- 003E- 35**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023





ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

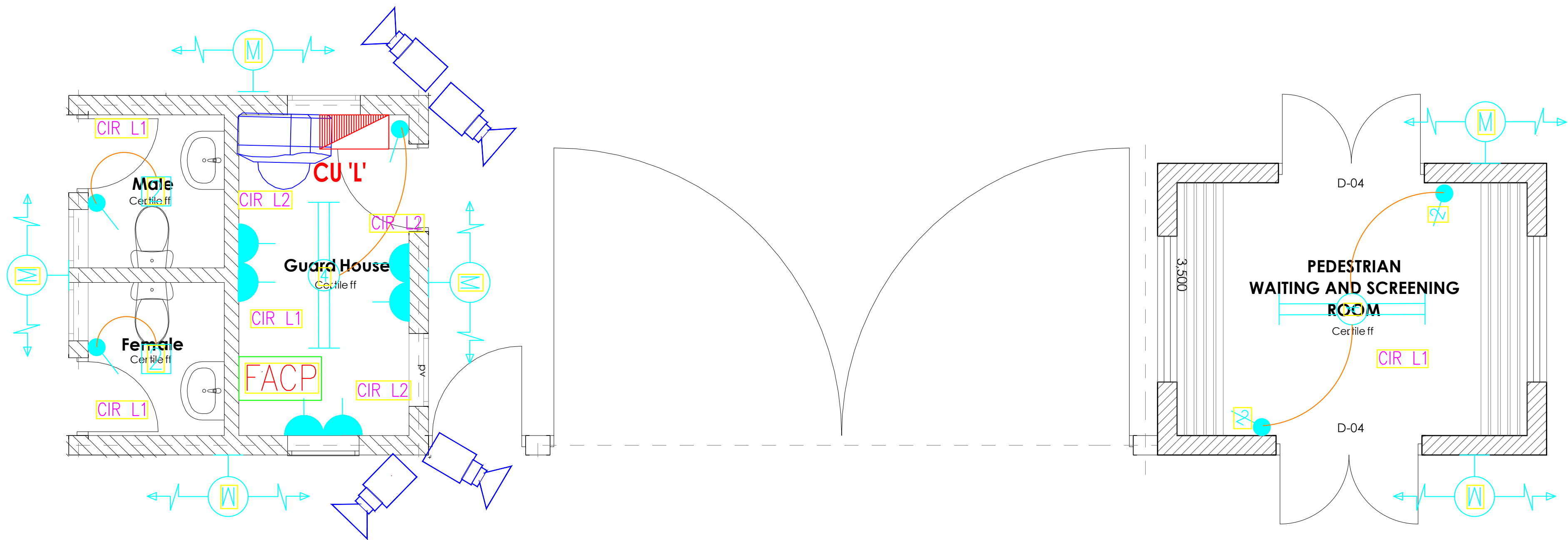
CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

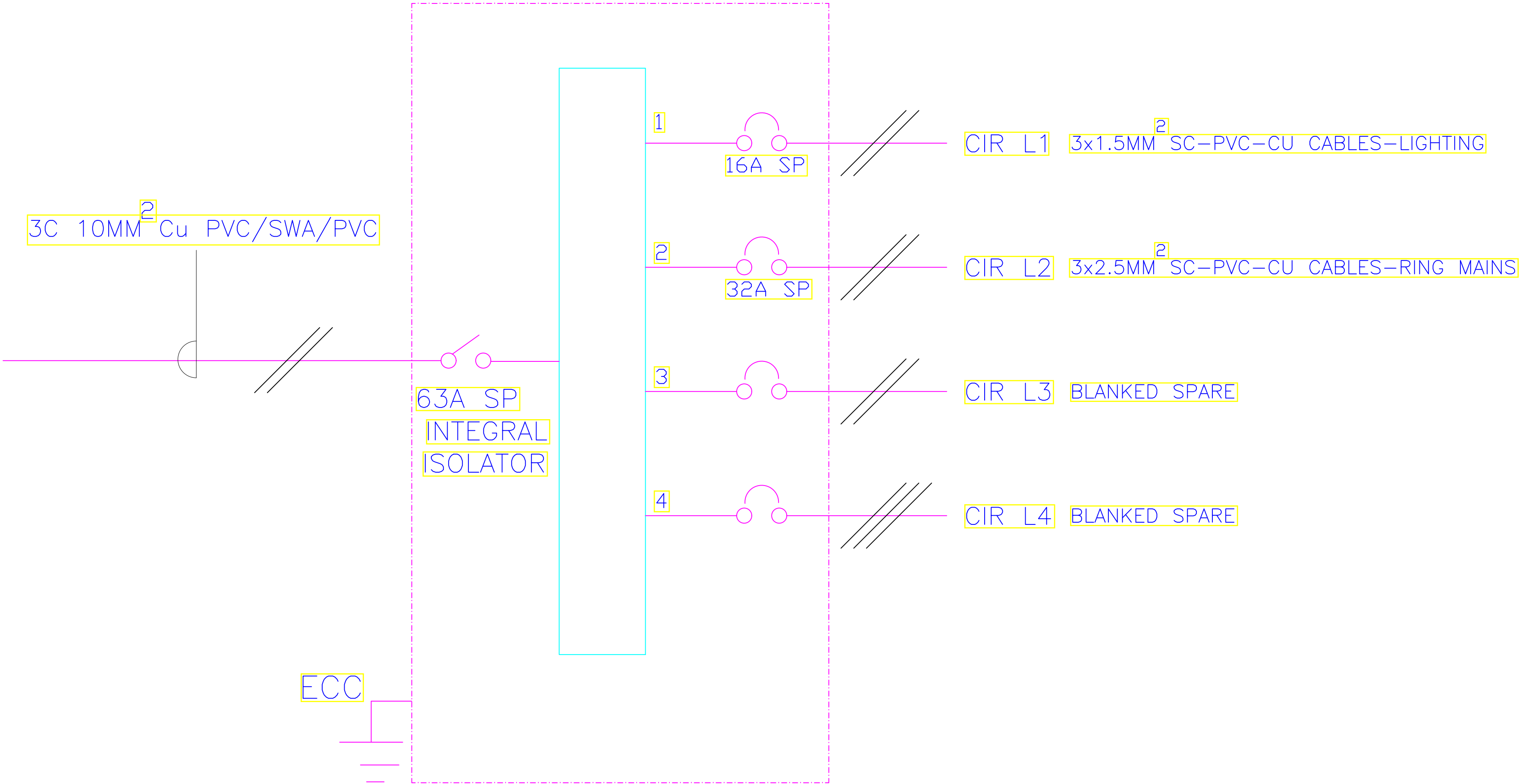
GATE HOUSE LIGHTING

Dwg. No.	12- 003E- 36
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023



GATE HOUSE PLAN  
ELECTRICAL LAYOUT

4– WAY 100A SPN CONSUMER UNIT 'L' FOR RAW POWER DISTRIBUTION– GUARD HOUSE



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GATE HOUSE SCHEMATIC

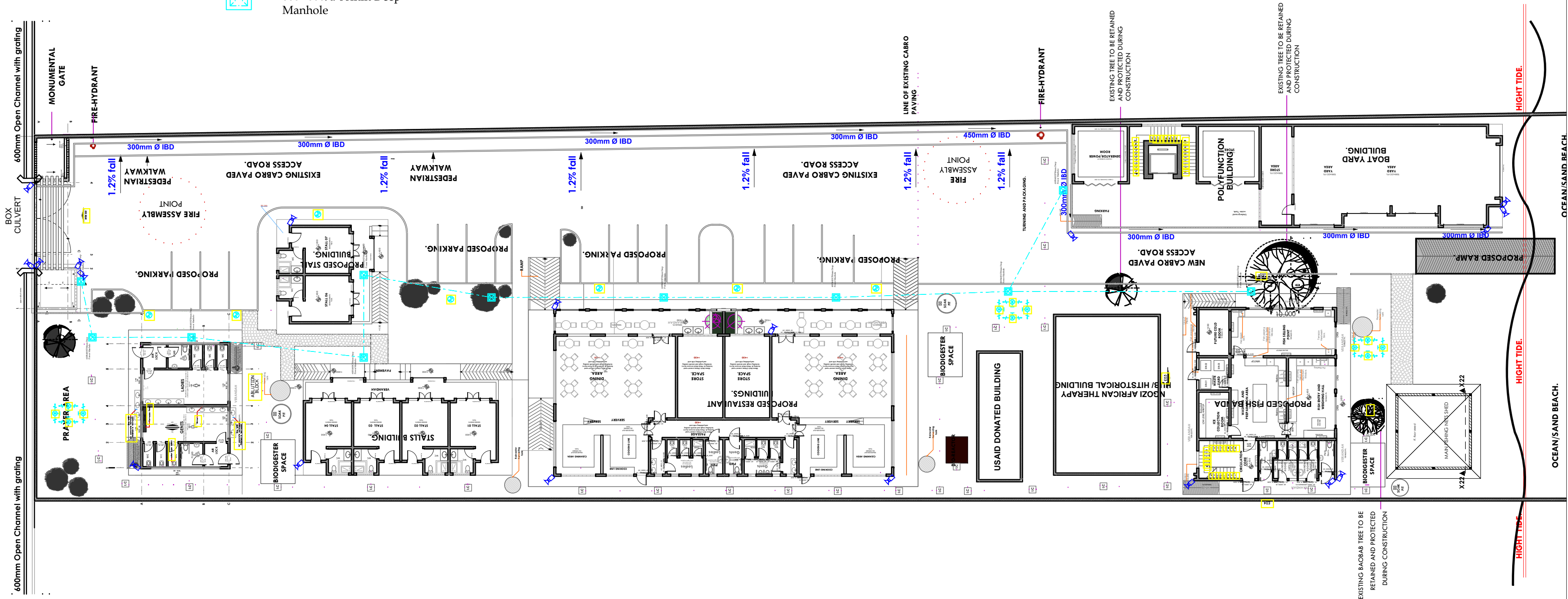
Dwg. No.	12- 003E- 37
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023



TENDER ISSUE

LEGEND

- 1 No. 150mm dia  
HGPVC ducts below slab/ ground
- 600X600X700mm Deep  
Manhole



SITE PLAN  
ELECTRICAL LAYOUT

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
SITE PLAN ELECTRICAL  
LAYOUT

Dwg. No. 12- 003E- 38

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

12 09/01/2023



ARPRIM CONSORTIUM,  
P.O. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE M&E BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

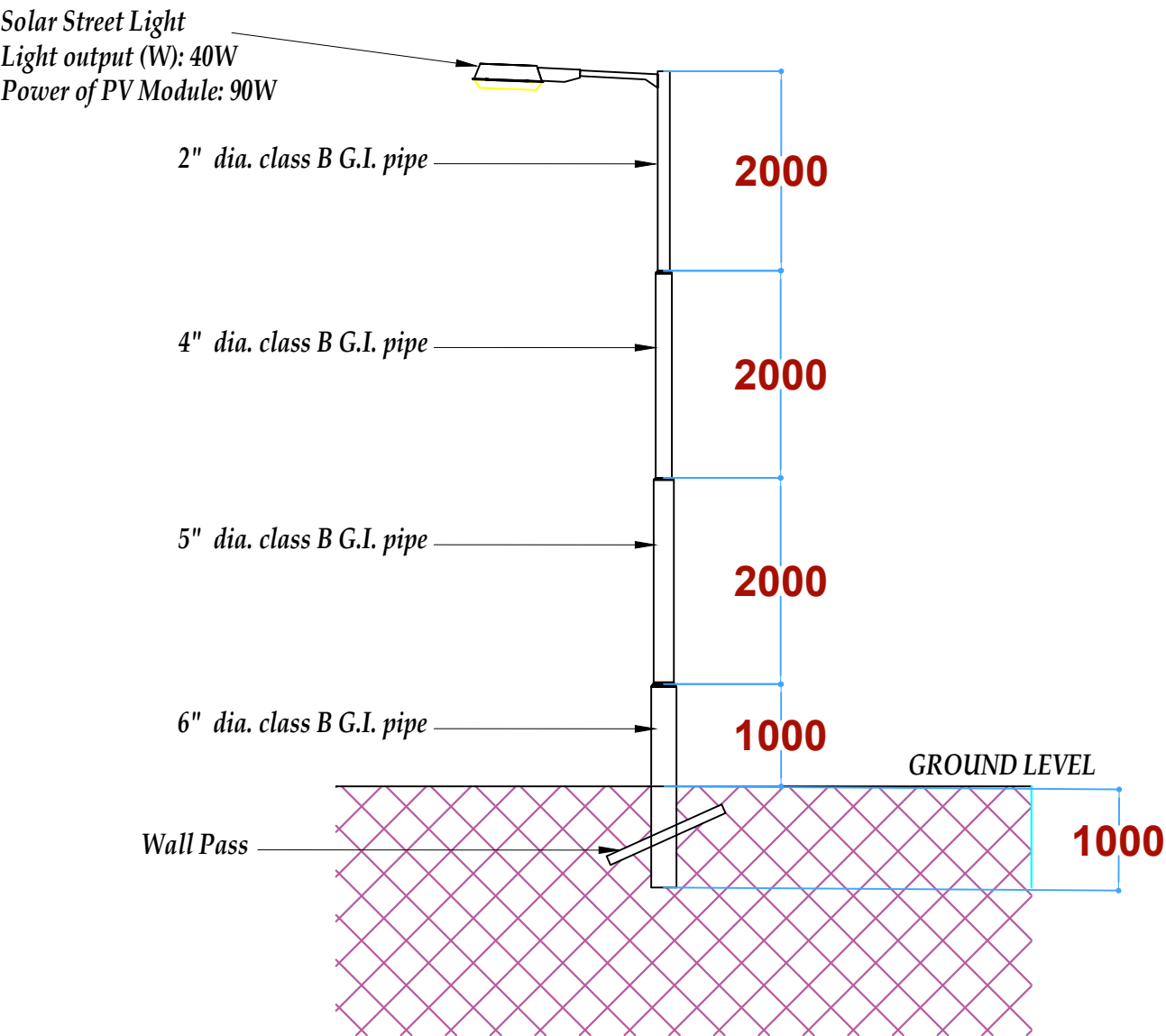
CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

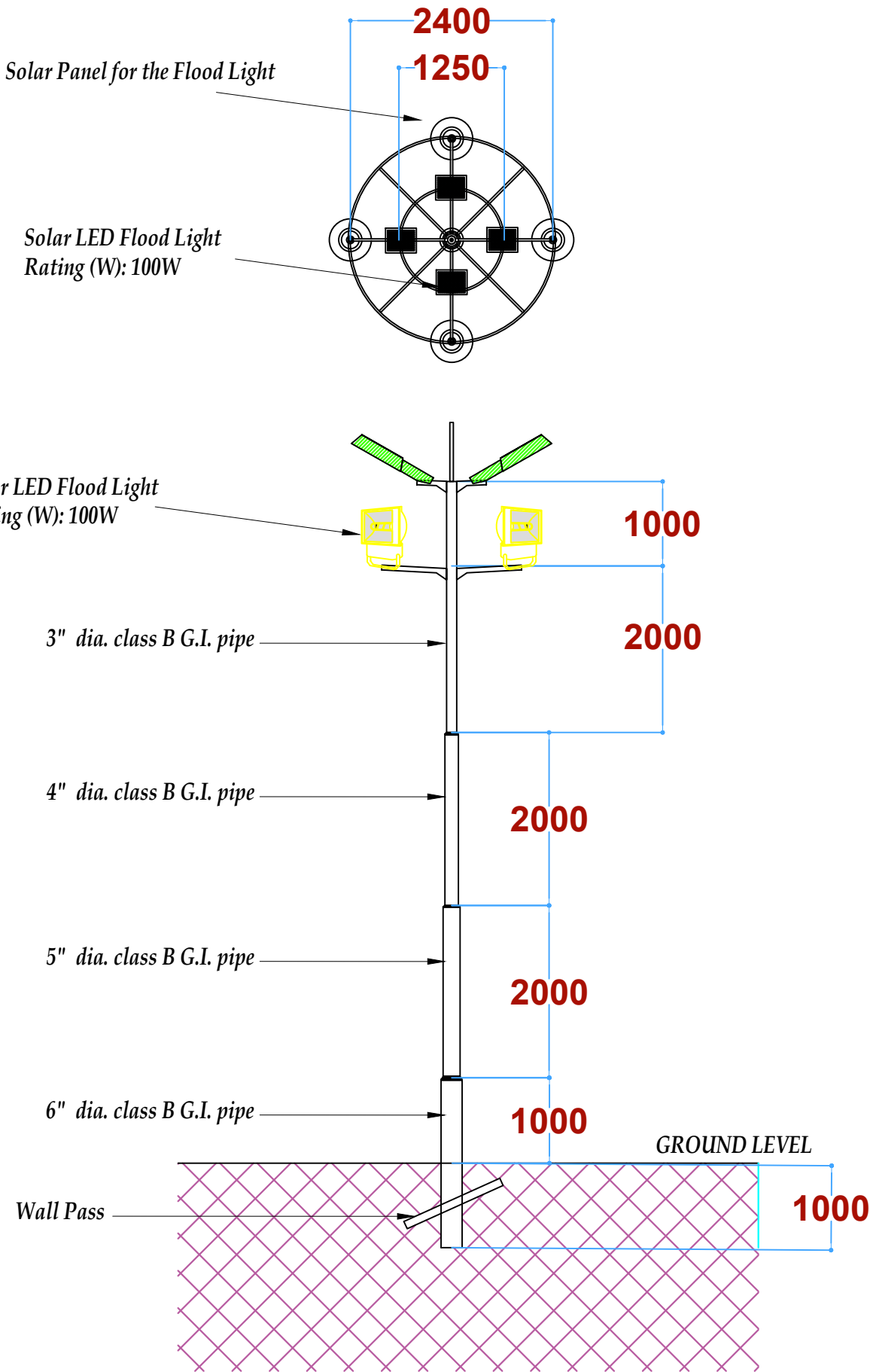
STREET LIGHTING DETAIL

Dwg. No.	12- 003E- 39
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
12	09/01/2023



P4

STREET LIGHT DETAIL



TYPE M SOLAR  
FLOOD LIGHT DETAIL



## TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

## NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCY OF DIMENSIONS WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MARK BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PRE-ABRACED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICE LAYOUT ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

## REVISIONS:

REV. No.	Details of Revision

**PROJECT TITLE:**

## PROPOSED CONSTRUCTION OF MWAEPE FISH LANDING SITE

**CLIENT:**

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

**CLIENT'S SIGNATURE:**

Sign: \_\_\_\_\_

**DRAWING TITLE:**

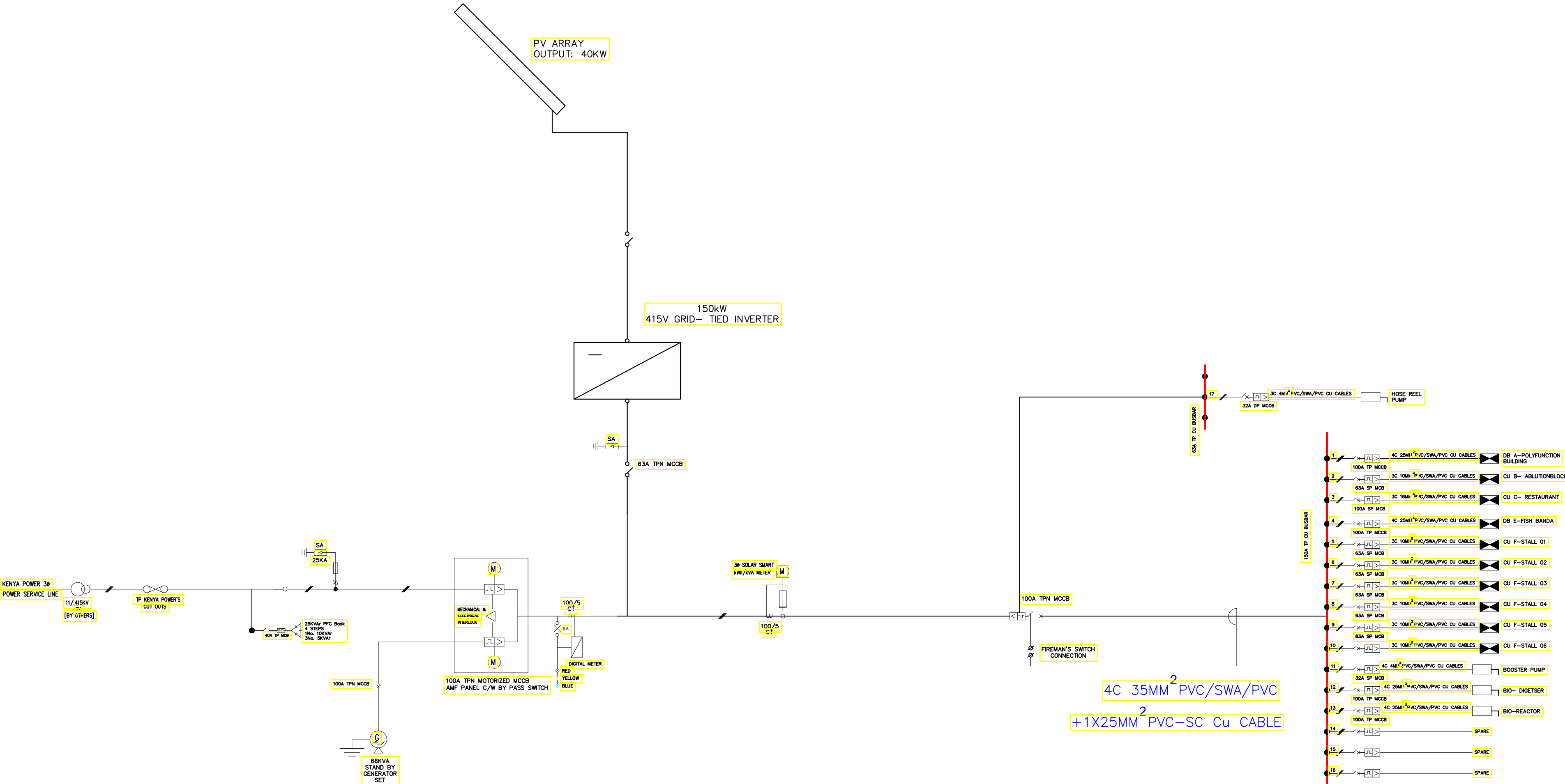
## MAIN SCHEMATIC

Dwg. No.	12- 003E- 040
----------	---------------

Scale:	NTS
--------	-----

Drawn by		Chek'd By	
----------	--	-----------	--

Project no.:	Date:
12	12.01.2024



## MAIN SCHEMATIC



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MBE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAAPEE FISH LANDING SITE

CLIENT:

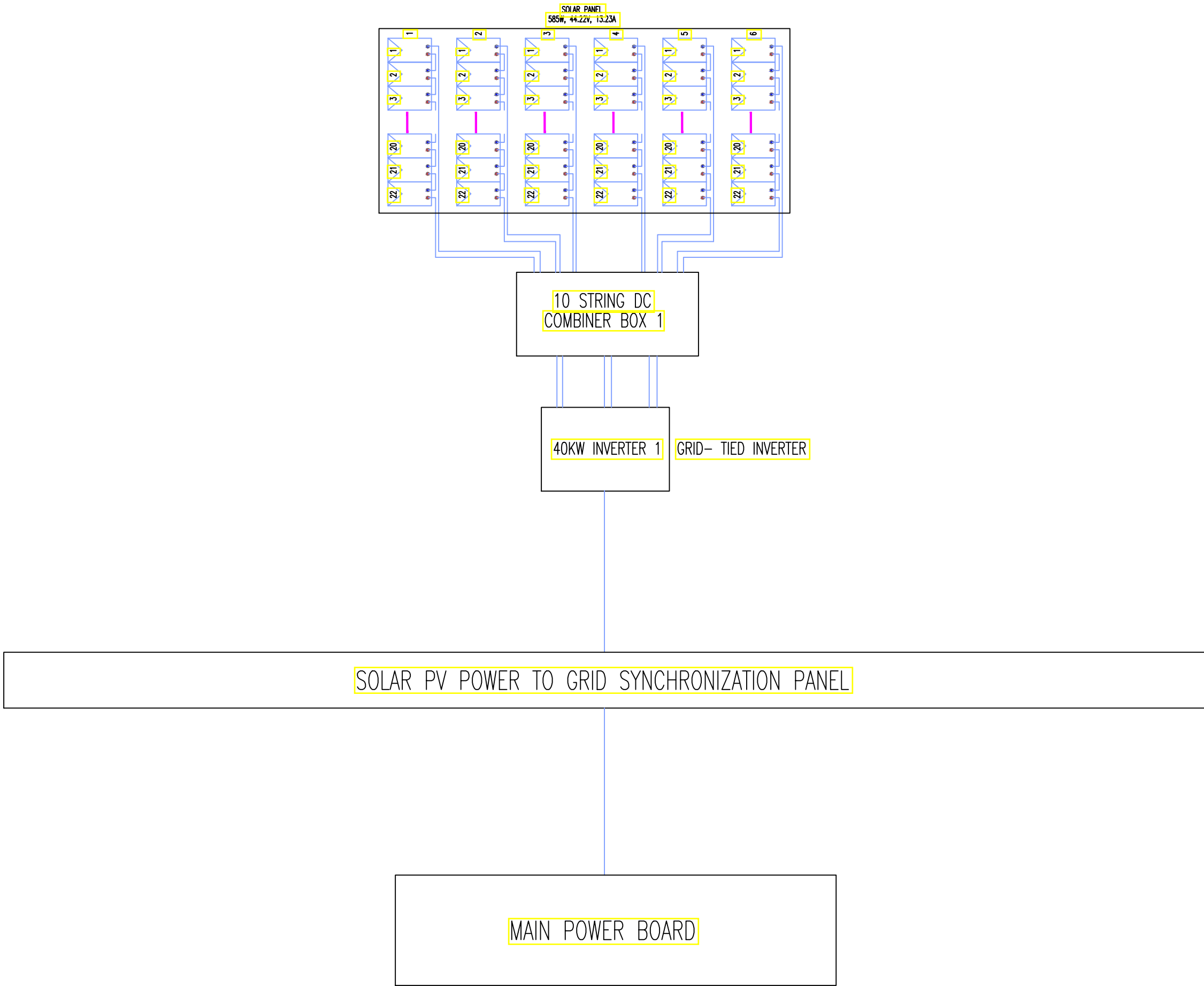
STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

**DRAWING TITLE:**  
**POWER SYSTEM SOLAR  
SCHEMATIC**

Dwg. No.	12- 003E- 041		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:		Date:	
12		12.01.2024	



POWER SYSTEM  
SOLAR SCHEMATIC



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI, KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE BUREAU OF STANDARDS CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETERS.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PRE-ABSTRACTED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. VISUAL ACCESS AND SIGHTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

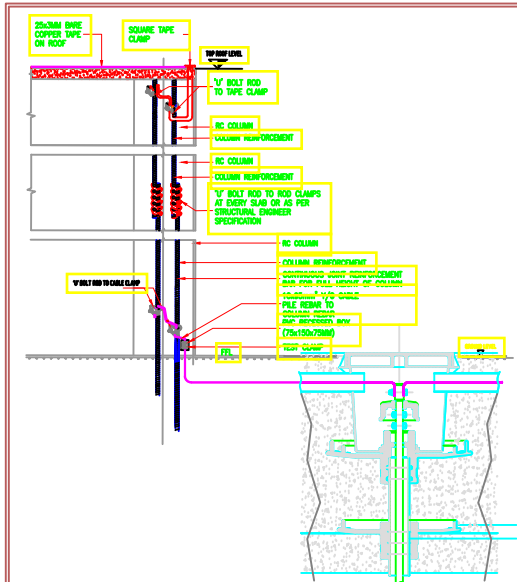
DRAWING TITLE:  
POWER SYSTEM EARTHING  
& LIGHTNING  
PROTECTION DETAIL

Dwg. No. **12- 003E- 042**

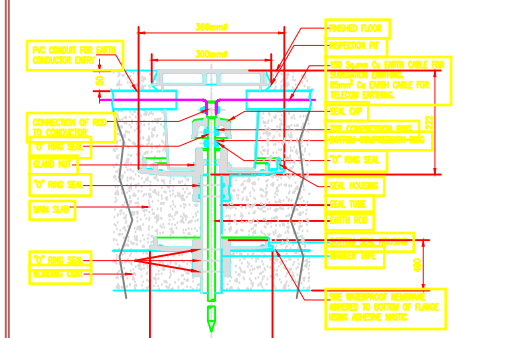
Scale: NTS

Drawn by Chek'd By

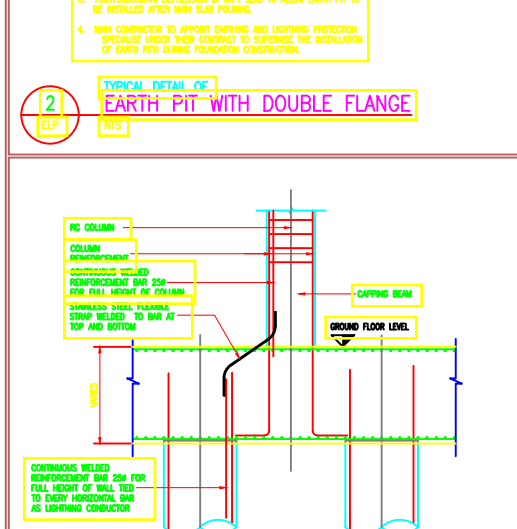
Project no.: Date:  
12 24.11.2023



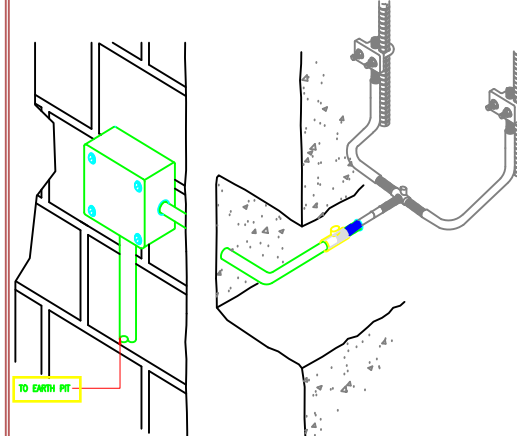
1) TYPICAL DETAIL OF LIGHTNING PROTECTION & EARTHING



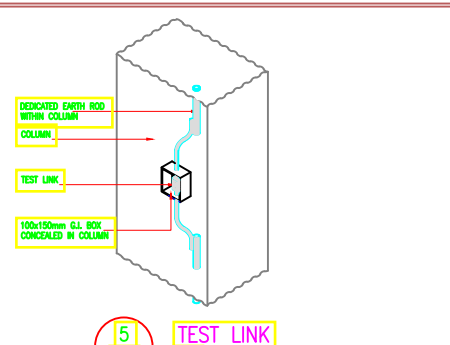
2) TYPICAL DETAIL OF EARTH PIT WITH DOUBLE FLANGE



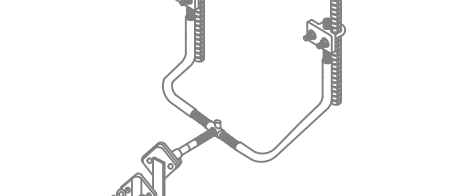
3) TYPICAL DETAIL OF LIGHTNING PROTECTION EARTHING THROUGH RAFT



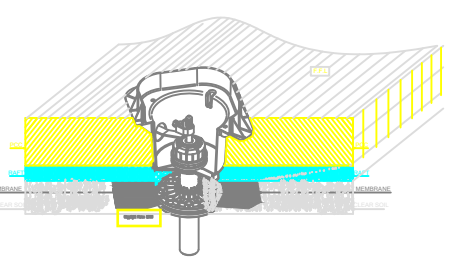
4) TYPICAL EARTH POINTS ARRANGEMENTS



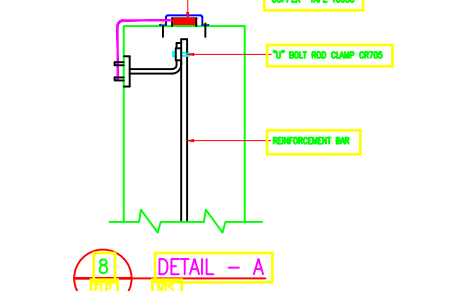
5) TYPICAL DETAIL OF TEST LINK



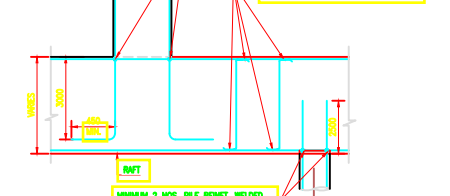
6) TYPICAL DETAIL OF CONNECTION TO REINFORCEMENT BARS USING CLAMP



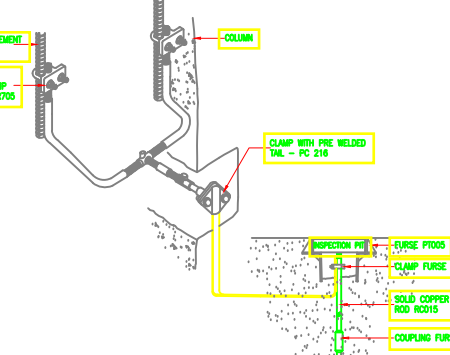
7) TYPICAL DETAIL OF EARTH SEAL INSTALLATION IN THE RAFT



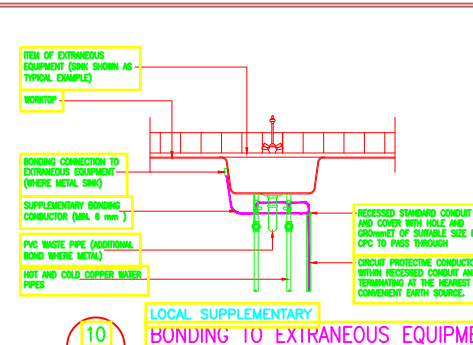
8) TYPICAL DETAIL OF DETAIL - A



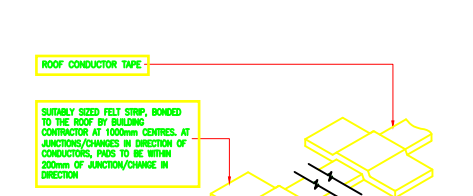
9) TYPICAL DETAIL OF LIGHTNING PROTECTION DETAIL



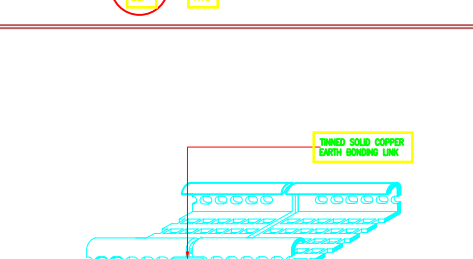
15) TYPICAL EARTH POINTS ARRANGEMENTS & TYPICAL DETAIL OF EARTH ELECTRODE



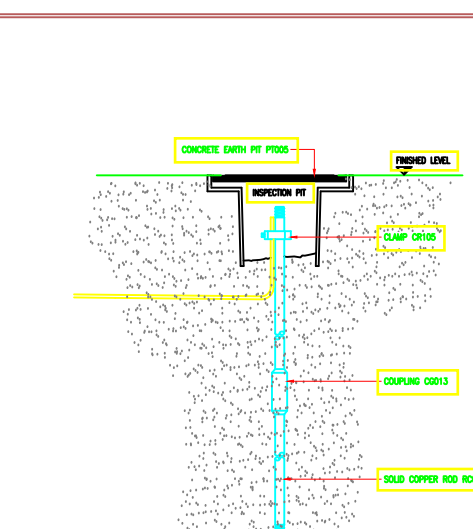
10) TYPICAL DETAIL OF LOCAL SUPPLEMENTARY BONDING TO EXTRANEANEOUS EQUIPMENT



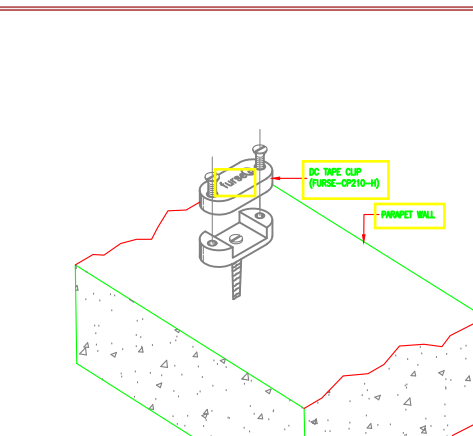
11) TYPICAL DETAIL OF ROOF TAPE FIXING DETAIL



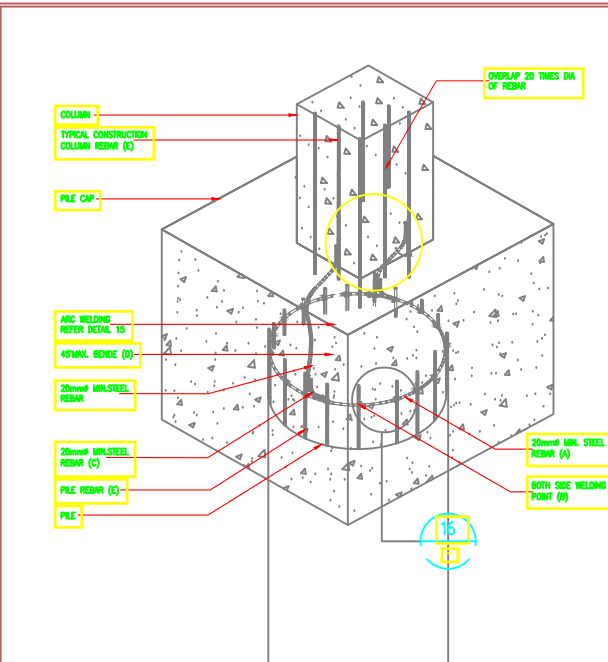
16) TYPICAL DETAIL OF CABLE TRAY BONDING



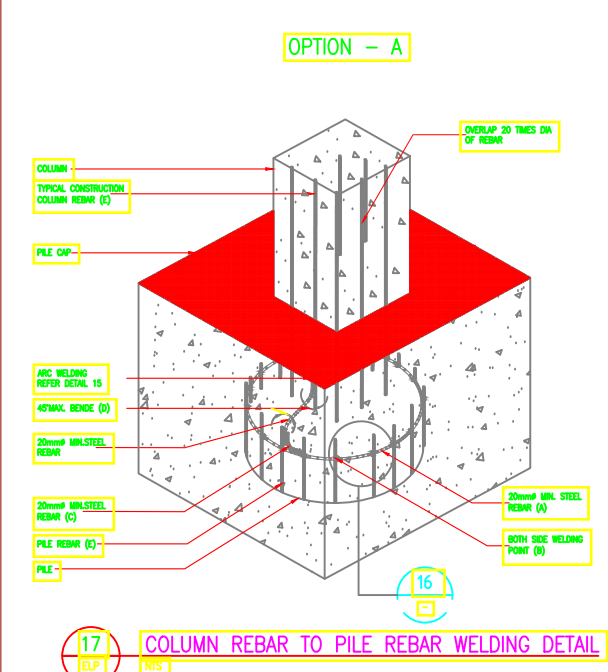
13) TYPICAL DETAIL OF EARTH ELECTRODE



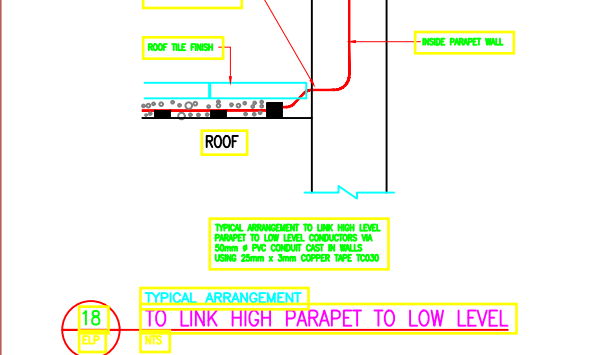
14) TYPICAL DETAIL OF DC TAPE CLIP INSTALLATION DETAIL ON PARAPET WALL



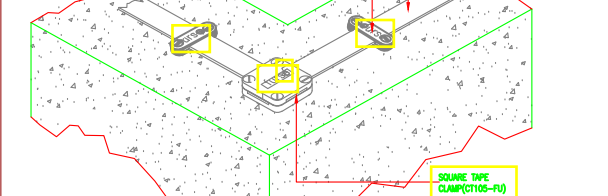
17) TYPICAL DETAIL OF COLUMN REBAR TO PILE REBAR WELDING DETAIL



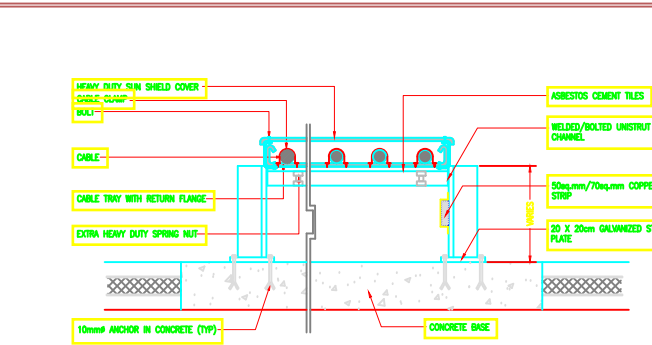
18) TYPICAL DETAIL OF TYPICAL ARRANGEMENT TO LINK HIGH PARAPET TO LOW LEVEL



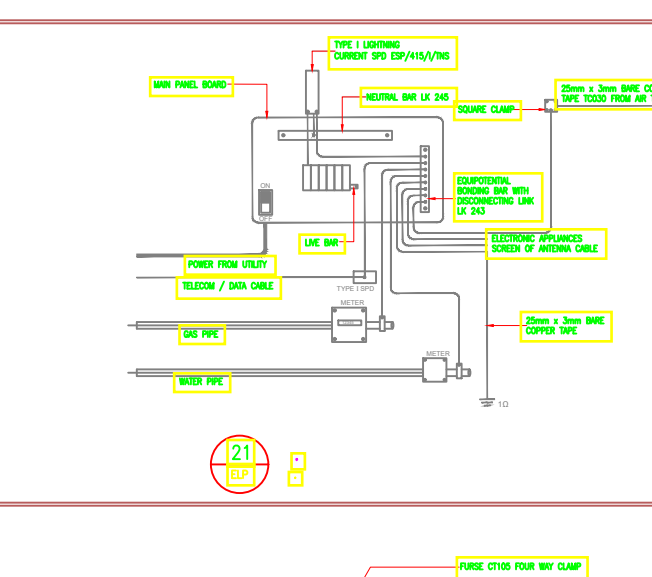
19) TYPICAL DETAIL OF FIXING DETAIL



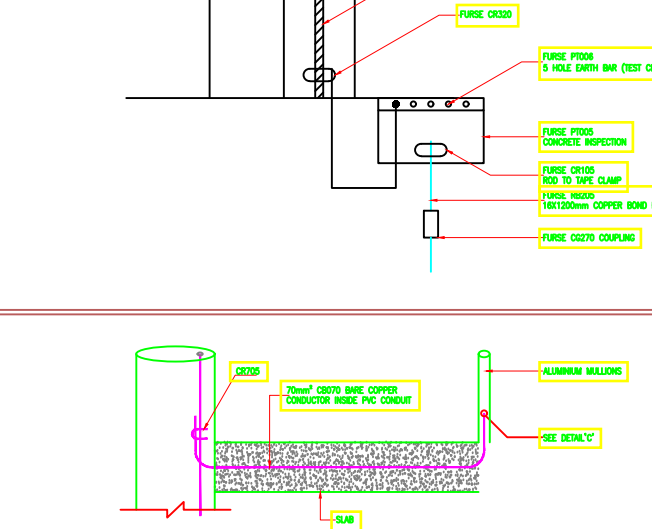
22) TYPICAL DETAIL OF EXTENDED AIR TERMINATION NETWORK DETAILS OF BOUNDING & CLADDING WALL



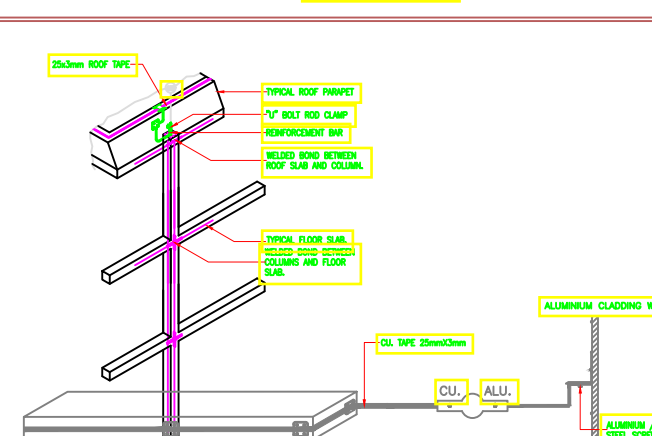
20) TYPICAL DETAIL OF ROOF CABLE TRAY DETAIL



21) TYPICAL DETAIL OF DETAIL - A



22) TYPICAL DETAIL OF DETAIL - B



23) TYPICAL DETAIL OF DETAIL - C

- GENERAL NOTES:
1. DO NOT SCALE FROM THE DRAWING.
  2. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVEL IN METERS UNLESS NOTED OTHERWISE.
  3. ALL DIMENSIONS TO BE VERIFIED ON SITE AND APPROVED BY THE ENGINEERS.
  4. THE DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWING AND RELEVANT SECTION OF THE SPECIFICATION.
  5. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL PROVIDE A LIGHTNING PROTECTION SYSTEM COMPLETELY IN ACCORDANCE WITH:  
BS EN 62305-1 (1 - 4) : 2011 DESIGN STANDARDS  
BS EN 62305-2 : 2002 MANUFACTURING STANDARDS FOR STRUCTURAL COMPONENTS  
BS EN 62305-3 : 2002 MANUFACTURING STANDARDS FOR ELECTRICAL COMPONENTS  
BS EN 62305-4 : 2002 MANUFACTURING STANDARDS FOR SURGE PROTECTION DEVICES
  6. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL SUBMIT THE RISK EVALUATION AND THE ACHIEVED LIGHTNING PROTECTION LEVEL (LPL) CALCULATION BASED ON BS EN 62305 - PART 2. NOTE DO NOT USE BS EN 62305-4 PARAMETERS & CALCULATIONS.
  7. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL USE 2500MM DIAMETER COPPER PIPE OF 90.80% PURITY (COMPLYING WITH BS EN 13601), (OR PVC COATED AS THE CASE MAY REQUIRE, COMPLYING WITH THE SAME) TO FORM THE AIR-TERMINATION MESH ON THE UPPERMOST PART OF THE STRUCTURE AND RING CONDUCTOR AROUND THE STRUCTURE.
  8. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL USE 2500MM COPPER PIPE AS RING CONDUCTOR AND THIS PIPE SHOULD BE BONDED TO ALL DOWN CONDUCTORS AROUND THE PERIMETER AND A BRANCH CONDUCTOR TO BE TAKEN HORIZONTALLY. ALSO ALL THESE DOWN CONDUCTORS TO BE BONDED TO THE ALUMINUM CLADDING WALL USING B-METALLIC CLAMPS (IN COMPLIANCE TO BS EN 50144).
  9. ALL THE FRINGE CLIPS FOR THE COPPER TAPE SHALL BE METALLIC (COMPLYING WITH CLASS 'Y' OF THE ELECTRICAL TESTING BASED ON BS EN 50144) AND SHALL BE FIXED AT AN INTERVAL OF 500MM (1000 MM FRINGE DISTANCE FOR FRINGE CONDUCTORS ON VERTICAL SURFACE UP TO 20M FROM THE GROUND LEVEL AND ON THE HORIZONTAL SURFACE I.E. ROOFS).
  10. A MINIMUM OF TWO RE-INFORCING BARS SHALL BE USED AS DOWN CONDUCTORS IN EACH COLUMN.
  11. THE MINIMUM OVERLAP DIMENSION TO CONNECT TWO RE-BARS SHALL BE AT LEAST 20 TIMES THE DIAMETER OF THE RE-BAR AND PRESTRESSING AND WELDING IF IT IS NOT PRACTICAL TO WELD, WELD STAINLESS STEEL CLAMPS SHOULD BE USED TO OVERLAP THE REBARS EACH 100MM SPACING TILL THE ABOVE DIMENSION IS ACHIEVED.
  12. THE ELECTRICAL CONTINUITY OF THE REINFORCING BARS SHALL BE DETERMINED BY ELECTRICAL TESTING BETWEEN THE UPPERMOST PART OF THE STRUCTURE AND THE OVERALL ELECTRICAL RESISTANCE SHOULD NOT BE GREATER THAN 0.20 OHM. MEASURED USING TEST EQUIPMENT SUITABLE FOR THIS PURPOSE. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHOULD SUBMIT TEST REPORTS BEFORE COMMENCEMENT OF THE INSTALLATION.
  13. THE COMPOSITE GLASS - ALUMINUM PANEL SHALL BE BONDED TO ALL THE DOWN CONDUCTORS AT THE WINDOW SILL LEVELS AS PER THE ROLLING SPHERE SPACING BY USING B-METALLIC CLAMPS (COMPLYING TO BS EN 50144).
  14. A MINIMUM OF 2400 MM LENGTH OF SOLID COPPER ROD WITH NICKEL PLATING SHALL BE PROVIDED WITH EACH DOWN CONDUCTOR SEPARATELY. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL SUBMIT THE CALCULATION FOR DETERMINING THE NUMBER OF EARTH RODS IN EACH EARTH PIT TO ACHIEVE THE REQUIRED RESISTANCE TO EARTH VALUE.
  15. THE COMPLETE LIGHTNING PROTECTION SYSTEM MEASURED AT ANY POINT, SHOULD NOT EXCEED 10 OHMS.
  16. THE RESISTANCE TO EARTH FOR ELECTRICAL AND TELECOM PITS SHOULD NOT EXCEED 1 OHM.
  17. IF CLEAR EARTH IS NOT AVAILABLE, THEN THE SPECIALIST LIGHTNING PROTECTION INSTALLER HAS TO INSTALL THE EARTH PIT INSIDE THE BUILDING USING COMPRESSION TYPE MEMBRANE SEALANT EARTH ELECTRODE SEAL.
  18. THE SEAL WILL WITHSTAND WATER PRESSURE UP TO 70 PSI (EQUAL TO A 50 METER HEAD OF WATER). THE EARTH SEAL FLANGE SHALL BE FREE FROM DUST / DEBRIS, GREASE/PART BEFORE POURING OF THE CONCRETE. TEST REPORT TO BS EN 50144/BS EN 50145 MUST BE SUBMITTED.
  19. A SPECIALIST INSTALLER SHOULD BE EMPLOYED TO DO THE INSTALLATION OR SHALL BE DONE UNDER THE SUPERVISION OF THE MANUFACTURER OR THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
  20. SPECIALIST LIGHTNING PROTECTION INSTALLER ALSO HAS TO ENSURE, BASED ON BS EN 62305 - 1, THAT SUITABLE CO-ORDINATED OVER-VOLTAGE SURGE PROTECTION DEVICES WITH AN EXTRA LOW LET-THROUGH VOLTAGE AND TO EXCEED 500V ARE USED FOR PROTECTING ANY TERMINAL DEVICES I.E. DBs FEEDING CRITICAL SERVICES OR EVEN THE LOCAL CRITICAL ELECTRICAL GOODS.
  21. THE SERVICE EQUIPMENTS ON THE ROOF (I.E. CHILLER UNITS ETC) TO BE PROTECTED USING VERTICAL AIR TERMINALS INSTALLED AT A SUITABLE SEPARATION DISTANCE. THE CABLE FROM THE EQUIPMENT SHALL BE PROTECTED USING AN OVER - VOLTAGE PROTECTION SPD.
  22. THE EQUIPMENT SHALL NOT BE BONDED TO THE AIR TERMINATION NETWORK.
  23. SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL GIVE THE CALCULATION OF THE SUITABLE SEPARATION DISTANCE.
  24. PROTECTORS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF:  
BS EN 61643-11/111, BS 2014/1572, & IEC 62411-1/101  
THE PERMANENT LET-THROUGH VOLTAGE SHALL NOT EXCEED 400 VOLTS, FOR SPDs WITH A NORMAL WORKING VOLTAGE OF 230 OR 240 VOLTS, (80V 1.2/50  $\mu$ S OPEN CIRCUIT VOLTAGE, 30KA 8/20 $\mu$ S SHORT CIRCUIT CURRENT).
  25. ALL SURGE PROTECTION DEVICES TO BE USED SHALL BE FROM THE SAME MANUFACTURER WHO SUPPLIES THE STRUCTURAL LIGHTNING PROTECTION.
  26. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL ENSURE PROPER CO-ORDINATION BETWEEN THE STRUCTURAL, CIVIL, ELECTRICAL AND THE CLADDING INSTALLER.
  27. ALL INSTALLATION DETAILS SHALL BE AGREED WITH THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
  28. THE SPECIALIST LIGHTNING PROTECTION INSTALLER SHALL OBTAIN AN INSPECTION CERTIFICATE FROM THE MANUFACTURER OR ITS AUTHORIZED REPRESENTATIVE TOWARDS THE SATISFACTORY INSTALLATION OF THE SYSTEM AND THAT PROPER MATERIAL IN ACCORDANCE TO THE ABOVE STANDARD HAS BEEN USED.
  29. THE SHOP DRAWINGS MUST BE APPROVED BY THE MANUFACTURER OR THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE WHICH HAS TO BE USED FOR INSTALLATION ATWORKS TO ENSURE TOTAL ADHERENCE TO THE STANDARDS AND REQUIREMENTS.
  30. THE MANUFACTURER OR THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE WILL HAVE TO SURVEY AND CERTIFY THE INSTALLATION TO ENSURE THE STANDARDS.
  31. THE MANUFACTURER OR THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE WILL CERTIFY THE BILL OF MATERIALS, PROVIDED BY THE SPECIALIST LIGHTNING PROTECTION INSTALLER FOR THE PROJECT.
  32. THE SPECIALIST LIGHTNING PROTECTION INSTALLER MUST SUBMIT THE TEST CERTIFICATES OF THE MATERIALS USED AS PER BS EN 50144, WHICH SHOULD BE ATTESTED IN ORIGINAL BY THE MANUFACTURER OR THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
  33. THE PERIODIC INSPECTIONS AND TESTS HAVE TO BE REPEATED AT FIXED INTERVALS, AS ADVISORY IN THE BS EN 62305 - PART 4.
  34. PRE-WELDED EARTH POINTS SUITABLE FOR USE WITH THIN REBAR IS USED TO CONNECT THE AIR TERMINATION NETWORK TO THE DOWN CONDUCTORS.
  35. LIGHT WEIGHT INSPECTION EARTH PIT WITH CONCRETE UD SHOULD BE PLACED AS CLOSE AS POSSIBLE (500 - 1000MM) FROM FINISHED WALL.
  36. CONTRACTION TO ENSURE ELECTRICAL CONTINUITY THROUGH OUT THE PINNACLE STEEL STRUCTURE.



ARPRIM CONSORTIUM,  
PO. BOX 12969-0040,  
NAIROBI. KENYA.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MBE BUILDING SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
MWAEPE FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
SOCKET & SWITCHES  
DETAIL

Dwg. No. **02- 003E- 043**

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
12	24.11.2023

