



Republic of Kenya

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 KIPINI FISH LANDING SITE

Employer: State Department for Blue Economy & Fisheries
Project: Kenya Marine Fisheries Socio-Economic
Development Project (KEMFSED)
Contract Title: CONSTRUCTION OF KIPINI FISH LANDING
SITE
Country: Republic of Kenya
Loan No./Credit No/Grant No.: 6540-KE
RFBNo.: KE-MOMBE&MA-TR-2024-012-CW
Issued on: 13TH FEBRUARY 2024

VOLUME 4 OF 4

DRAWINGS

08. KIPINI FISH LANDING SITE

DRAWING NO 08-001-001

NO.	DRAWING/DOCUMENT	DRAWING NO	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
	PROJECT 08 ARCHITECTURAL DRAWINGS				
	LIST OF DRAWINGS.				
01	SITE PLAN.	08-001-001	A1	PDF/DWG	PROVIDED
A. FISH BANDA.					
02	GROUND FLOOR PLAN	08-001-A002	A1	PDF/DWG	PROVIDED
03	ROOF PLAN	08-001-A003	A1	PDF/DWG	PROVIDED
04	ELEVATION 01 & 02	08-001-A004	A1	PDF/DWG	PROVIDED
05	ELEVATION 03 & 04, S01	08-001-A005	A1	PDF/DWG	PROVIDED
06	DOOR & WINDOW SCHEDULE	08-001-A006	A1	PDF/DWG	PROVIDED
07	ARCHITECTURAL IMPRESSIONS	08-001-A007	A1	PDF/DWG	PROVIDED
B. MEETING HALL			A1		
08	GROUND FLOOR PLAN	08-001-B 008	A1	PDF/DWG	PROVIDED
09	ROOF PLAN	08-001-B 009	A1	PDF/DWG	PROVIDED
10	ELEVATIONS	08-001-B 010	A1	PDF/DWG	PROVIDED
11	SECTIONS & DETAILS	08-001-B011	A1	PDF/DWG	PROVIDED
12	DOOR & WINDOW SCHEDULES	08-001-B012	A1	PDF/DWG	PROVIDED
C. ABLUTION BLOCK					
13	GROUND FLOOR PLAN	08-001-C013	A1	PDF/DWG	PROVIDED
14	ROOF PLAN	08-001-C014	A1	PDF/DWG	PROVIDED
15	SECTION 01	08-001-C015	A1	PDF/DWG	PROVIDED
16	ELEVATIONS	08-001-C016	A1	PDF/DWG	PROVIDED
17	INTERIOR ELEVATION- A	08-001-C017	A1	PDF/DWG	PROVIDED
18	INTERIOR ELEVATION- B	08-001-C018	A1	PDF/DWG	PROVIDED
19	DOOR & WINDOW SCHEDULES	08-001-C019	A1	PDF/DWG	PROVIDED
D. BOAT YARD					
20	GROUND FLOOR PLAN	08-001-D020	A1	PDF/DWG	PROVIDED
21	ROOF PLAN	08-001-D021	A1	PDF/DWG	PROVIDED
22	ELEVATIONS	08-001-D022	A1	PDF/DWG	PROVIDED
23	SECTION 01	08-001-D023	A1	PDF/DWG	PROVIDED
24	DOOR & WINDOW SCHEDULES	08-001-D024	A1	PDF/DWG	PROVIDED
25	ARCHITECTURAL VISUALS	08-001-D025	A1	PDF/DWG	PROVIDED

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

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 1000 gauge wire mesh 30mm stone dust bedding on compacted hardcore.

3. All soils under slab and around external foundation to be compacted 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

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

MECHANICAL

- 1. All plumbing and drainage to comply with the relevant approving local authority's specifications.
- 2. All service ducts to be accessible from all floors.
- 3. All drains, soil or vent pipes to be connected to the SVPs or waste pipes. All bends and junctions to have inspection plates.
- 4. SVP to be provided at the head of the drainage.
- 5. All Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
- 6. All underground foul and waste drain pipes shall be UPVC and comply to BS5 4514 and 5255, cast iron to BS5 4597 table 6 grade C Exempt ones to BS5 4597 table 6 grade C Exempt ones in the driveway which shall comply to BS5 556.
- 7. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C Exempt
- 8. Storm water drain shall comply to BS5 365.
- 9. Minimum slopes to drains shall be 1%.
- 10. No chasing will be allowed in the slabs for pipes.
- 11. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
- 12. All testing of pipes must be completed before work plastering.
- 13. All mechanical works must be co-ordinated with electrical works. Any conflicts must be clarified before work begins.

ELECTRICAL

- 1. All conduits must be laid before plastering.
- 2. 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**
KIPINI FISH
LANDING SITE

Plot L. R. No.:

Location : KIPINI
TANA RIVER COUNTY

Client:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE AND THE BLUE
ECONOMY

Signature

Subject :

WORKING DRAWINGS.

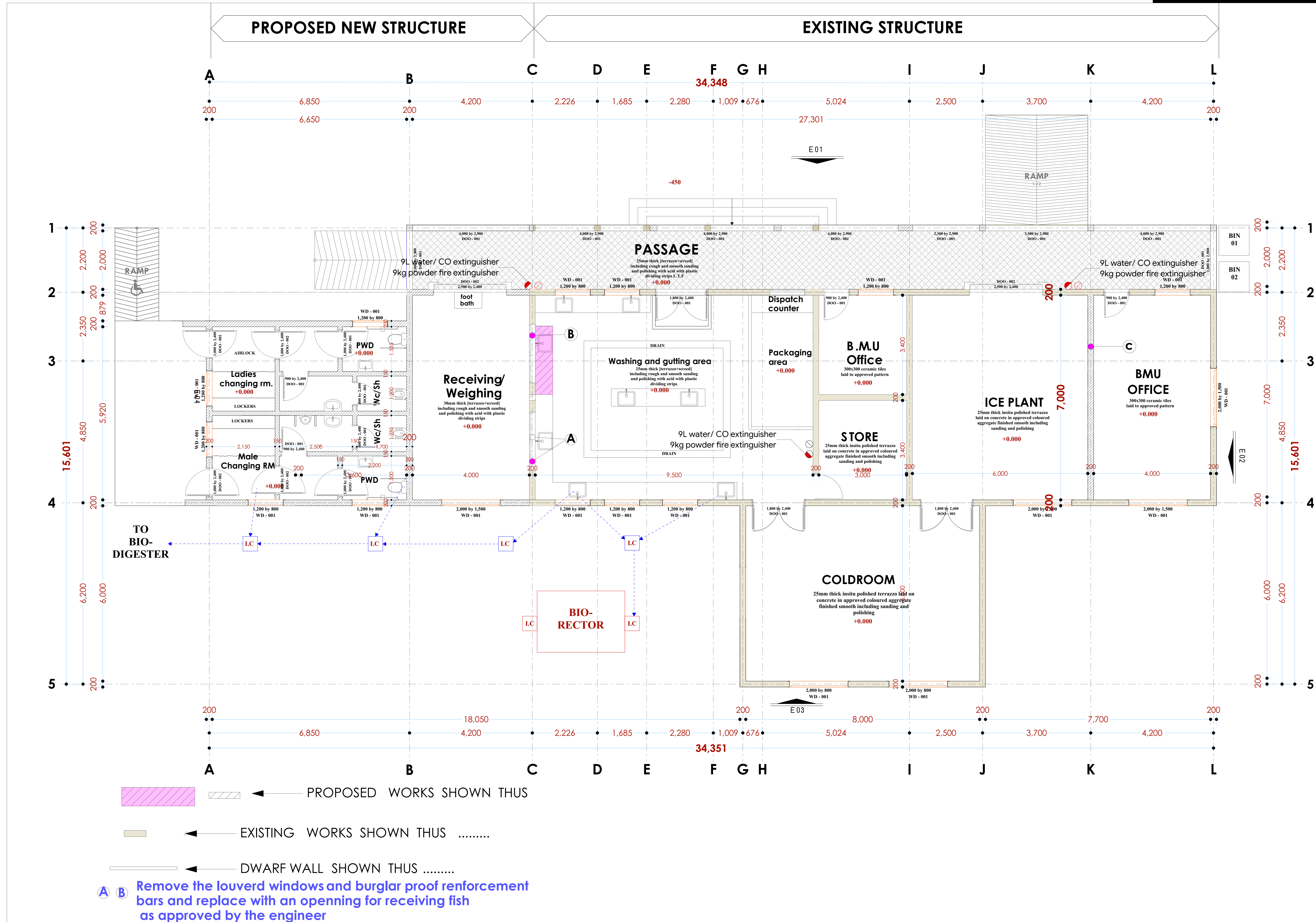
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Date: NOV 2023 | Job No . 2023/Nov/

Scale 1:100 | DRAWING NO. 08-001

GROUND FLOOR PLAN



NOTES:

GENERAL

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3. All sections should be read as per the floor plan and all dimensions 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 100Gaugage polythene 50mm stone dust blinding on compacted hardcore.

6. All soils under slab and areas under 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

14. All plumbing and drainage to comply with the relevant approving local authority's specifications.
15. All service ducts to be accessible from all floors.
16. Deep seal or anti-vac to all fittings connected to the SVP's or waste pipes. All bends and junctions to have inspection plates.
17. SVP to be provided at the head of the drainage.
18. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
19. All underground foul and waste drain 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 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.

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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

Location : KIPINI
TANA RIVER COUNTY

Client:

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

Signature

subject :

WORKING DRAWINGS.

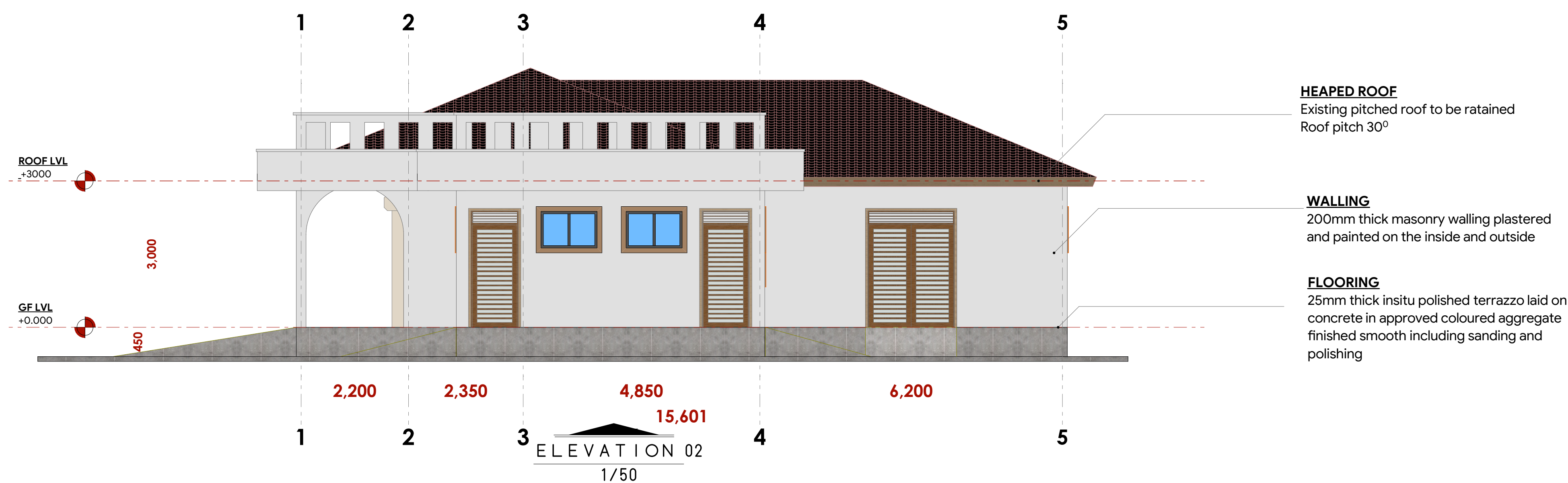
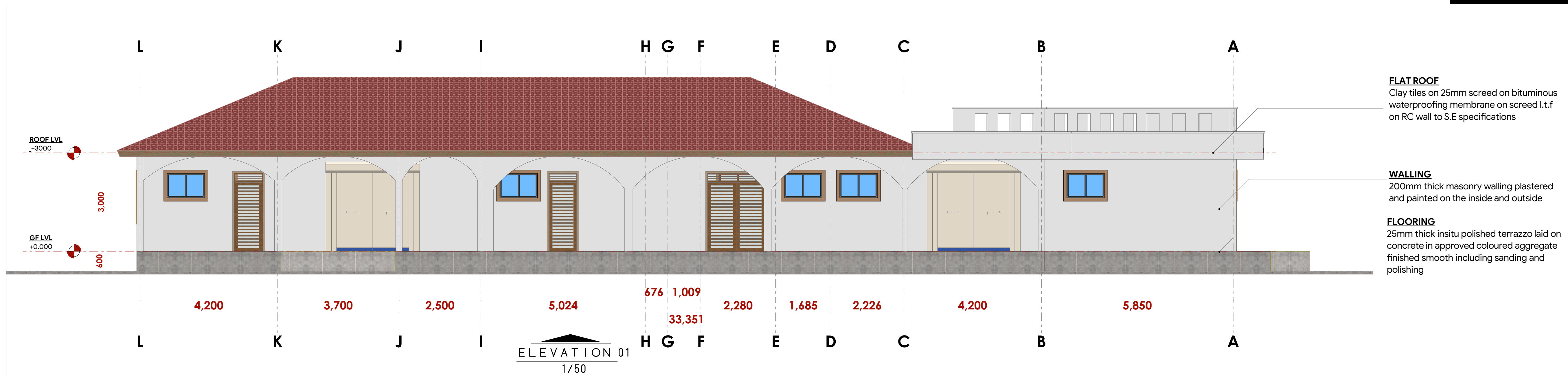
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te: NOV 2023 Job No . 2023/Nov/

Scale 1:100	DRAWING NO. 08-001-A002
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ELEVATIONS



NOTES:

GENERAL

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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 approval local authority's specifications.
13. All service ducts to be accessible from all floors.
14. All service pipes, drains, ducts and cables 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 cast in concrete in 150mm diameter.
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 table 6 grade C except ones in the driveway which comply to BS5 556.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except 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.
22. The slabs will be allowed to be cast with the approval of the Structural Engineer.

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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

ocation :

KIPINI
TANA RIVER COUNTY

lient:

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

Signature

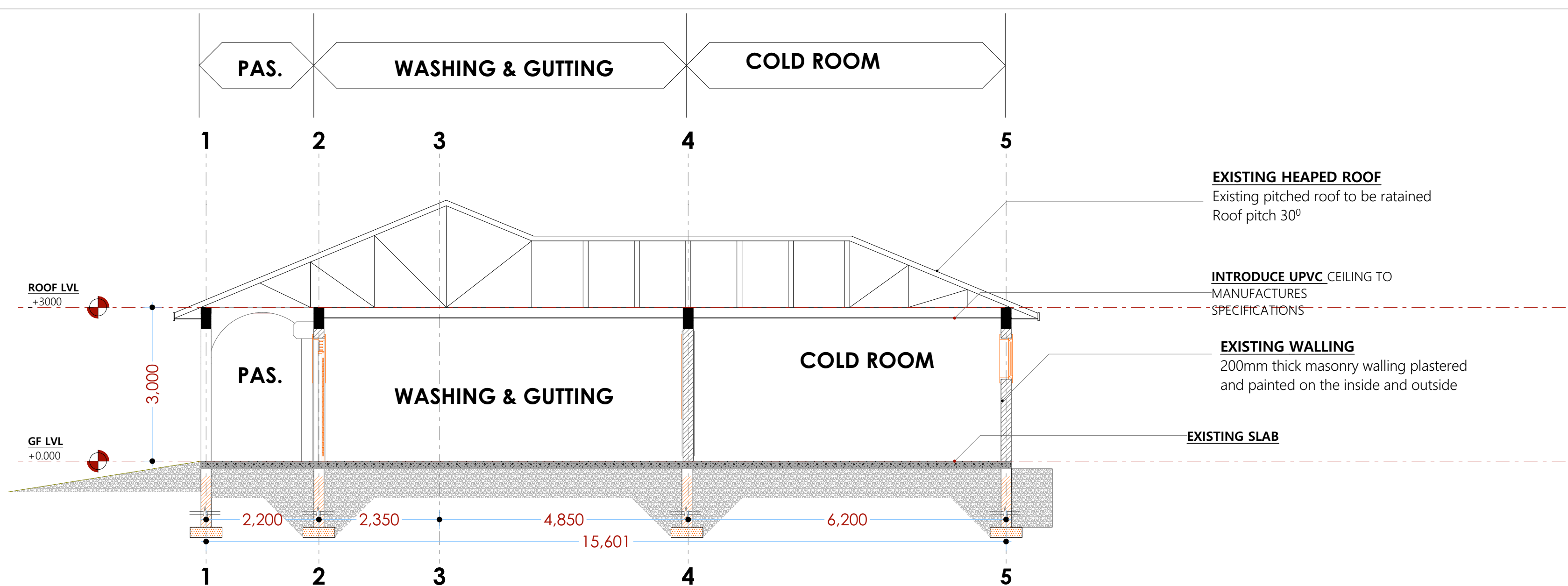
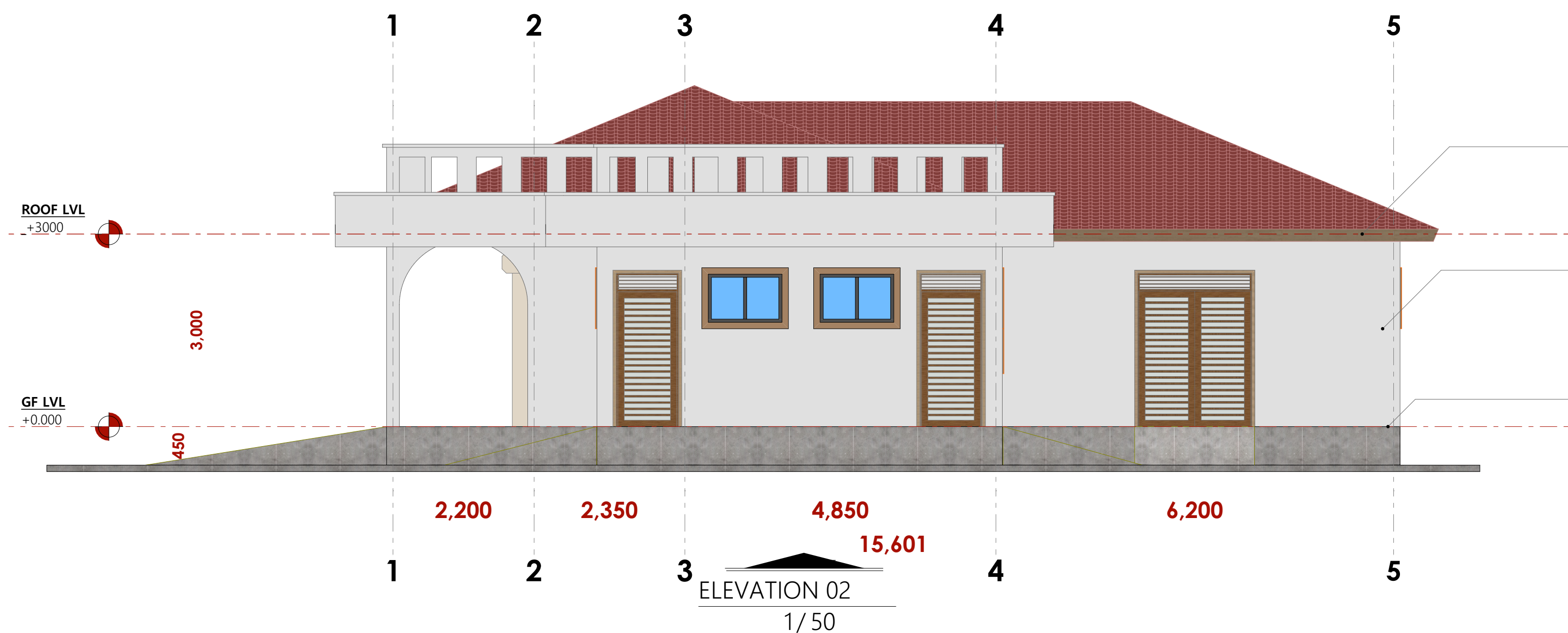
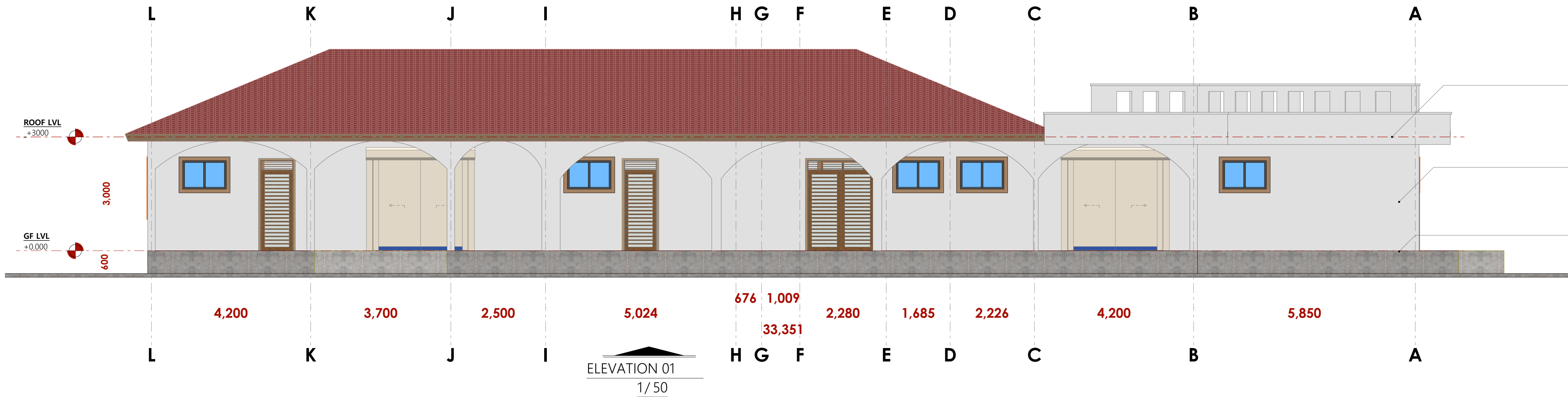
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Date:NOV 2023	Job No. :2023/Nov/	
Scale 1:100	DRAWING NO. 08-001- A004	



S01

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 service ducts to be accessible from all floors.
14. No direct seal or connection 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. All 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 414 and 5255. Cast iron pipes to comply to BS5 497 table 6 grade C except ones in the basement which shall be 6 grade C.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except
19. Storm water drain shall comply to BS5 556.
20. Minimum slopes to drains shall be 1%.
21. No chasing work to be carried out for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.

plastering

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

ELECTRIC

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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

location

KIPINI
TANA RIVER COUNTY

lient :

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE AND THE BLUE
ECONOMY

Signature

subject :

WORKING DRAWINGS.

consultancy :

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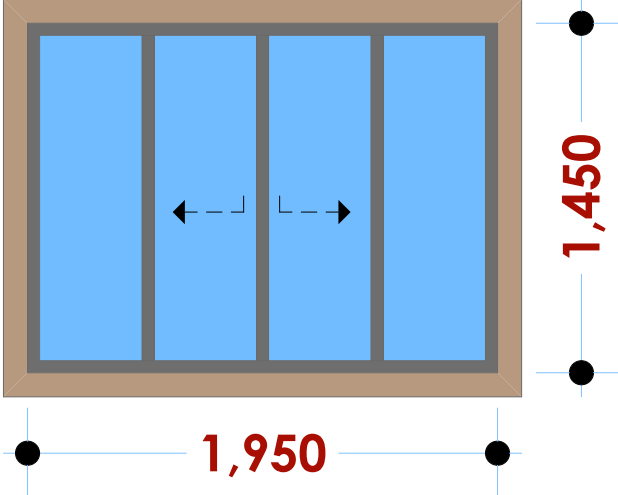
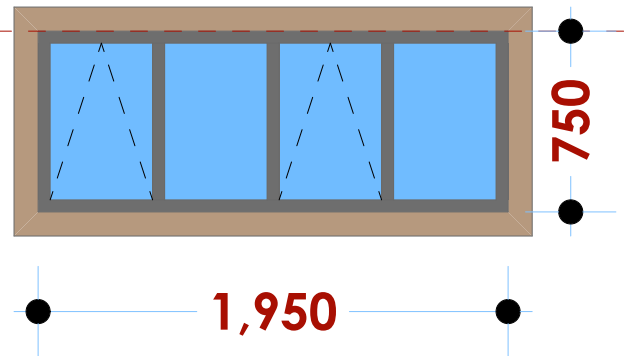
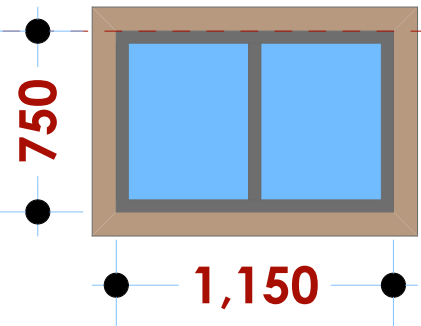
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Scale 1:10

DRAWING NO. 08-001-A005

DOOR & WINDOW SCHEDULE

(Door type : D ₀₀₁)	(Door type : D ₀₀₂)	(Door type : D ₀₀₃)	(Door type : D ₀₀₄)
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	900*2400MM HARDWOOD MVULE SOLID CORE SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	900X2400MM HARDWOOD SINGLE LEAF LOUVRED MVULE DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS
PWD	WASHROOM CUBICLES	WASTE YARD STORAGE ICE COLLECTION ROOM ICE MACHINE	WASHROOM G&L ENTRANCE
6 NO .	2 NO .	4 NO .	2 NO .

<p>RL +3600</p> 		
<p>(Window type W₀₀₁)</p> <p>2000X1500 MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transoms, 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.</p>	<p>(Window type W₀₀₂)</p> <p>2000X800 MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transoms, 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.</p>	<p>(Window type W₀₀₃)</p> <p>2000X800 MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transoms, 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.</p>
<p>6 N O .</p>	<p>WASHING AND GUTTING ROOM ICE PLANT 4 N O .</p>	<p>WASHING AND GUTTING ROOM ICE PLANT WASHROOM 6 N O .</p>

NOTES:

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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 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 accessable 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 cast in concrete and comply with BS 5945-1:2005 except in BS 4974 table 6 Grade C except ones in the driveway which shall comply to BS 5556.
18. All inspection chamber covers and frames shall be cast in concrete to BS 5945-1:2005 table 6 Grade C except in the driveway which shall comply to BS 5556.
19. Storm water drain shall comply to BS 5556.
20. Minimum slopes to drains shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
Sleeves will be allowed under slabs with the written approval of the Structural Engineer.

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

[illegible]

Project :
**PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
KIPINI FISH
LANDING SITE

Plot L. R. No.:
Location : KIPINI TANA RIVER COUNTY

Client:

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

Signature

Subject :

WORKING DRAWINGS.

Consultancy :
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Date: NOV 2023 Job No . 2023/Nov/

Scale 1:100	DRAWING NO. 08-001-A006
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ARCHITECTURAL

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 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. All services 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 foul and waste drain pipes shall be UPVC and comply to BS5 4514 and 5255, cast iron to BS 857 497 table 6 grade C except ones in the driveway which shall comply to BS 857 497 table 6 grade C.
 18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except
 19. Storm water drain shall comply to BS5 556.
 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 mechanical works must be completed before plastering.
 24. 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

KIPINI FISH LANDING SITE

Plot L. R. No.:

Location :

KIPINI
TANA RIVER 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:

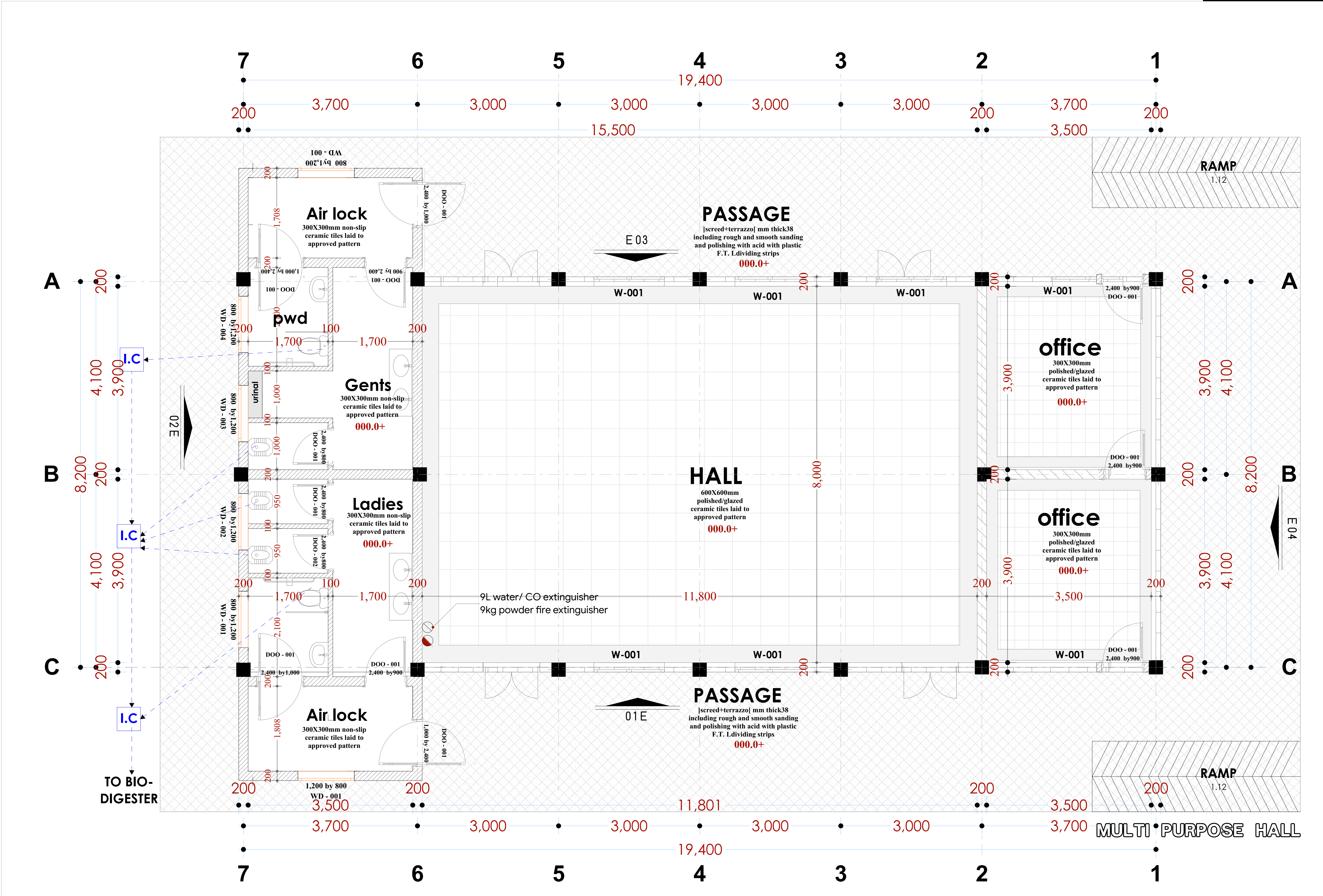
PETER MOMANYI B. Arch. (Hons),	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)
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ANYI F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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Date: NOV 2023	Job No. 2023/Nov/
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Scale 1:10

0 DRAWING NO. 08-001-A007



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 polytheneen 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

REVISIONS

Project :

PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT

KIPINI FISH LANDING SITE

Plot L. R. No.:

Location :

KIPINI

TANA RIVER 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: -

J. MOMANYI

PETER MOMANYI

B. Arch. (Hons).

B. Arch. (Hons)

, M. Arch.

, M. Arch.

(reg. No.A1552)

(reg. No.A1122)

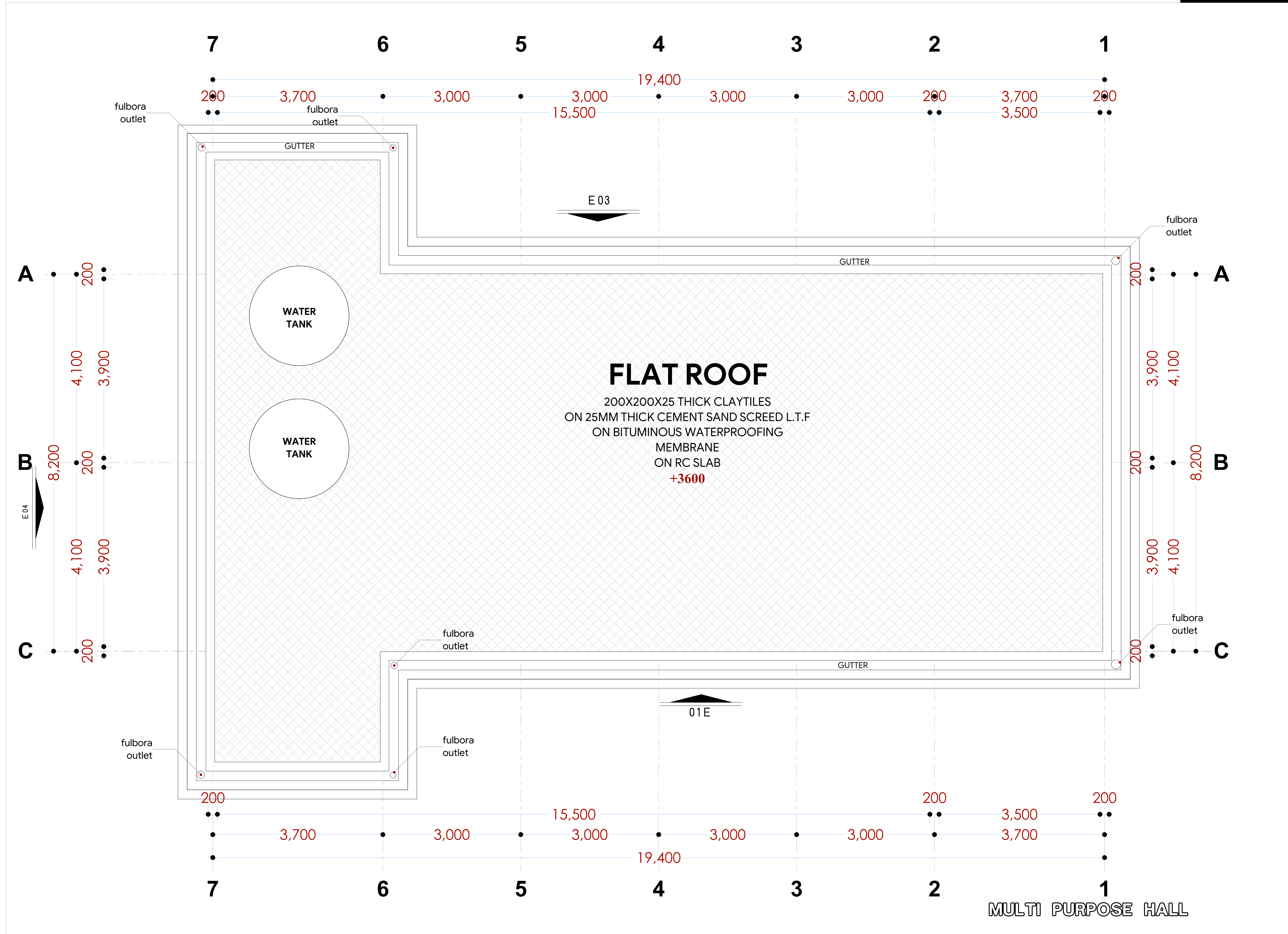
Date:NOV 2023

Job No. : 2023/Nov/

Scale 1:100

DRAWING NO. 08-001-8008

ROOF PLAN



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.

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 standards.
 13. All services ducts to be accessible from all floors.
 14. Deep seal or anti-vac to all fittings connected to the waste pipes.
 15. All bends and junctions to be made by welding or casted joints.
 16. SVP to be provided at the head of the drainage.
 17. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
 18. All underground foul and waste drain pipes shall be UPVC and comply to BS5 454 and 5255. cast iron to comply to BS5 454 and 5255. cast iron ones in the driveway which shall comply to BS5 556.
 19. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 plate 6 grade C Except for Storm water drains which shall comply to BS 536.
 20. Minimum slopes to drains shall be 1%.
 21. No structural work will be allowed in the slabs for pipes.
 22. The approval of the Engineer for 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.

ELECTRIC

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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

location

KIPINI
TANA RIVER COUNTY

lient:

**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

own by:

checked by : -

Checked by : -

ER MOMANYI Arch. (Hons), (reg. No.A1552)	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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Job No. 2023/Nov/

Scale 1:100 DRAWING NO. 08-001-B009

ELEVATIONS

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 approved local authority's specifications.
13. All service ducts to be accessible from all floors.
14. All relevant services to be fitted to junctions connected to the SVP 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 enclosed in a concrete channel.
17. All underground foul and waste drain pipes shall be UPVC and comply to BS8541 and 5255, cast iron to comply to BS8547 table 6 grade C except ones in the basement which shall comply to BS 556.
18. All inspection chambers, man covers and frames shall be cast iron to comply to BS8547 table 6 grade C except 19. Storm water drain shall comply to BS 556.
20. Minimum slopes to drains shall be 1%.- 21. No change of level to be allowed for floor pipes.
- 22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.

22. Air testing 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
KIPINI FISH
LANDING SITE**

lot L. R. No.:

location :

KIPINI
TANA RIVER COUNTY

lient :

**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

own by:

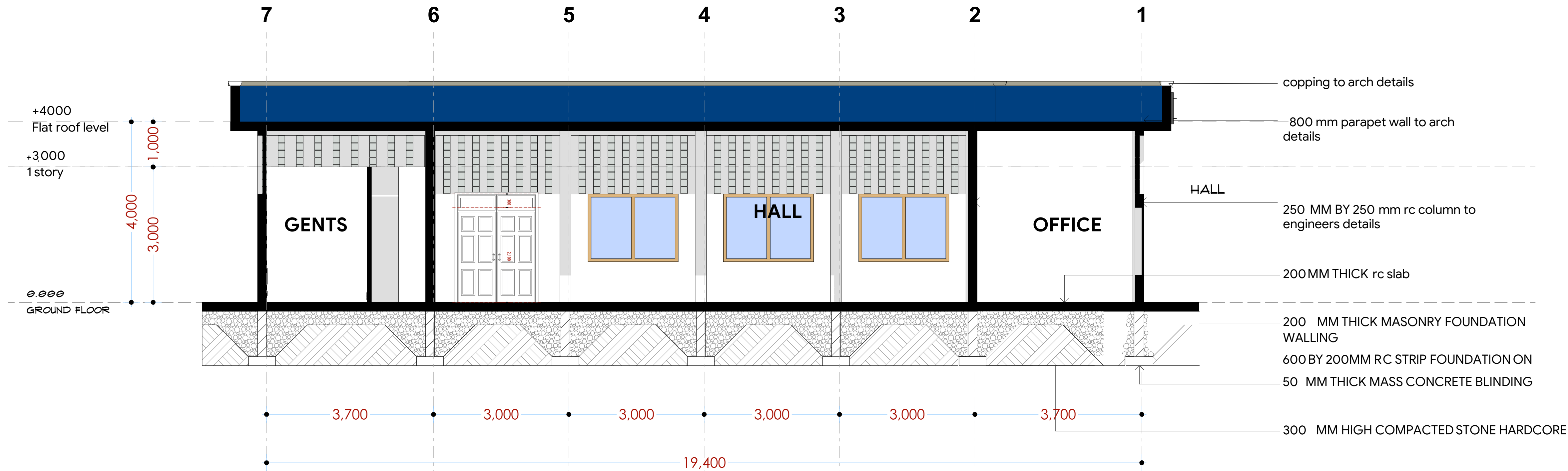
Checked by :

F. TUNDULI B. Arch. (Hons) M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) M. Arch. (reg. No.A1122)
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te: NOV 2023 | Job No . 2023/Nov/

ale 1:10

DRAWING NO. 08-001-B010



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 1000gauged polystyrene 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

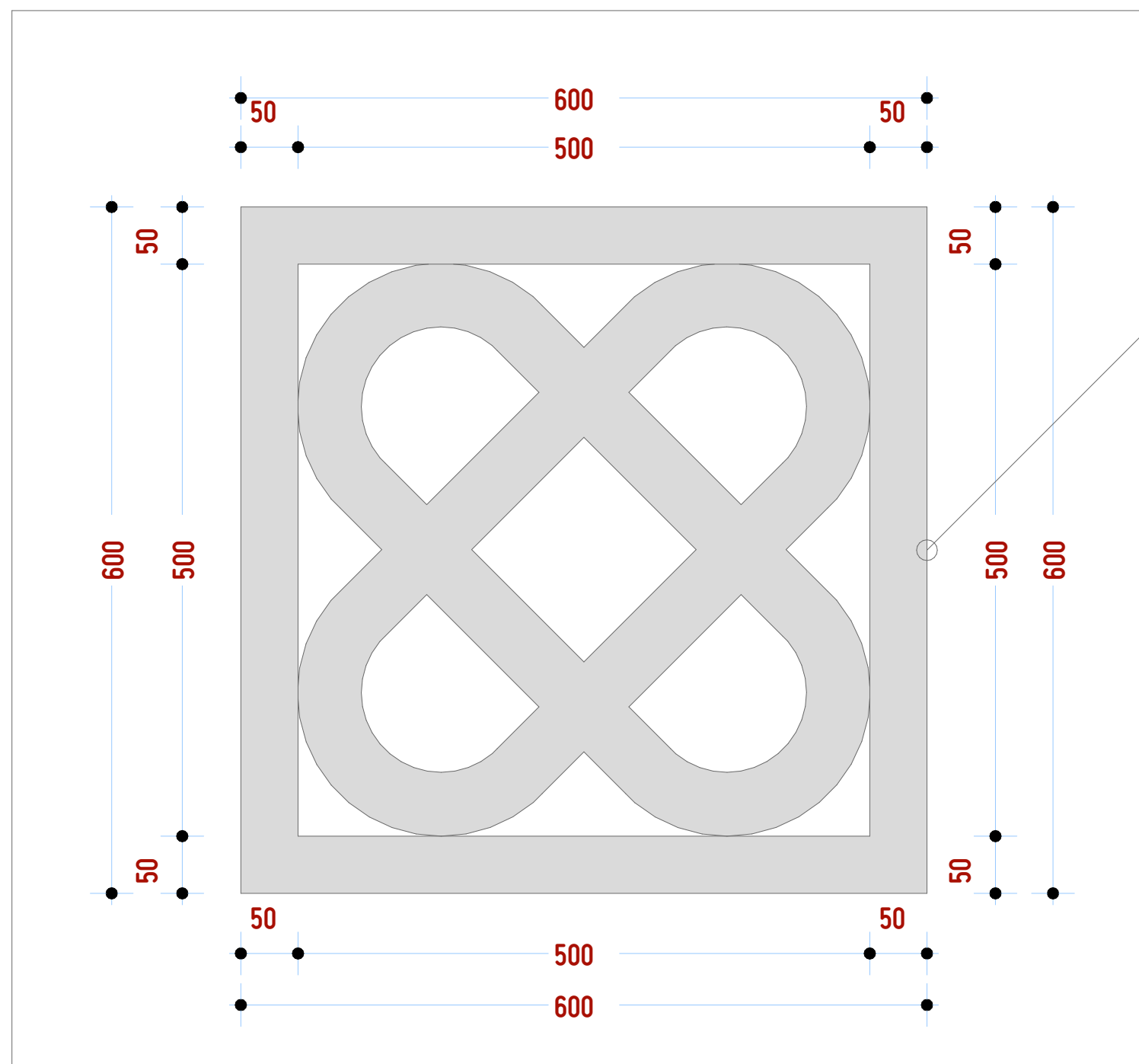
8. All window cills on cut embankment to be stabilized. The slope is not to exceed the natural angle of repose of the soil.

5. **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. **MECHANICAL**
13. All plumbing and drainage to comply with the relevant approving local authority's specifications.
14. All service ducts to be accessible from all floors.
15. All gas seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
16. SVP to be provided at the head of the drainage.
17. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
18. All underground foul and waste drain pipes shall be UPVC and comply to BS5 414 and S255, cast iron to comply to BS5 477 grade 6 Grade C except ones in the area which shall comply to BS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BS5 477 table 6 Grade C except
20. 150mm water drain shall comply to BS5 556.
21. Minimum slopes to drains shall be 1%.
22. 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.
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.
25. **ELECTRICAL**
26. All conduits must be laid before plastering.
27. 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

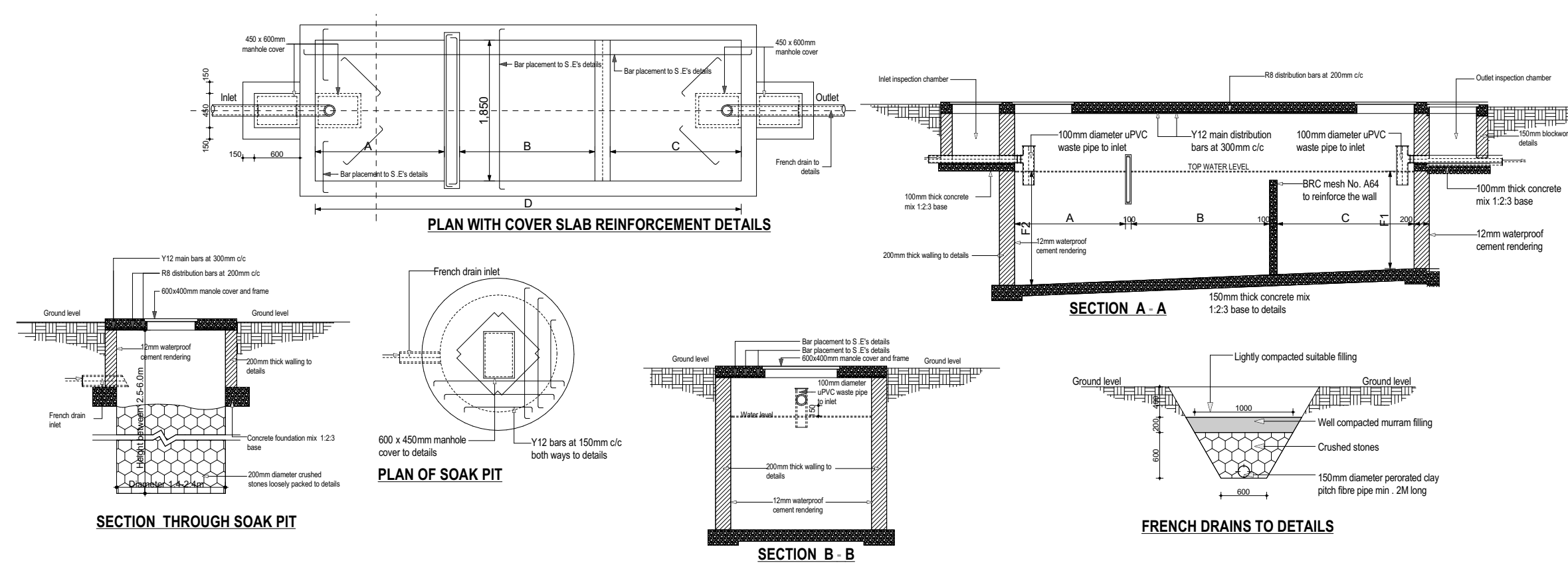
REVISIONS

VENT BLOCK- SWAHILI MOTIF PATTERN



150 MM THICK
PRECAST
CONCRETE VENT
BLOCKS

SEPTIC TANK DETAIL



CAPACITY		Disluding intervals		Dimensions in millimetres						
Gallons	Litres	Number of persons	(time)	A	B	C	D	E	F1	F2
300	3380	UP TO 10	2 years	400	300	1300	2200	700	900	1000
600	2720	11 - 20	2 years	750	600	1350	2950	900	1100	1150
900	4300	21 - 30	2 years	900	750	1350	3200	1100	1200	1300
1200	5440	31 - 40	2 years	900	900	1350	3300	1300	1300	1300
1500	6800	41 - 50	2 years	1000	950	1350	3500	1400	1400	1500
1800	8160	51 - 60	2 years	1100	1000	1350	3700	1500	1500	1630
2100	9520	61 - 70	2 years	1200	1100	1350	3900	1600	1700	1740
2400	10880	71 - 80	2 years	1300	1200	1350	4100	1800	1800	1840
2700	12240	81 - 90	2 years	1400	1300	1350	4300	1900	1900	1940
3000	13600	91 - 100	2 years	1500	1400	1350	4500	2100	2100	2040
3300	14960	101 - 110	2 years	2000	2000	1500	5700	2750	2750	2600

Project : **PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
KIPINI FISH
LANDING SITE

Plot L. R. No.:

Location : KIPINI
TANA RIVER 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 :-
PETER MOMANYI	F. TUNDULI	J. MOMANYI
B. Arch. (Hons)	B. Arch. (Hons)	B. Arch. (Hons)
	, M. Arch.	, M. Arch.
	(reg. No.A1552)	(reg. No.A1122)

Date: NOV 2023 Job No . 2023/Nov/

Scale 1:100 DRAWING NO. 08-001-B011

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 approval local authority's specifications.
 13. Provide drainage to 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 5451 and S255. cast iron to comply to BS 497 table 6 grade C except ones in the roof.
 18. All inspection chamber covers and frames shall be cast iron to comply to BS 497 table 6 grade C except ones in the roof.
 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. 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.

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**

KIPINI FISH
LANDING SITE

Plot L. R. No.:

Location :

KIPINI
TANA RIVER 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 : -

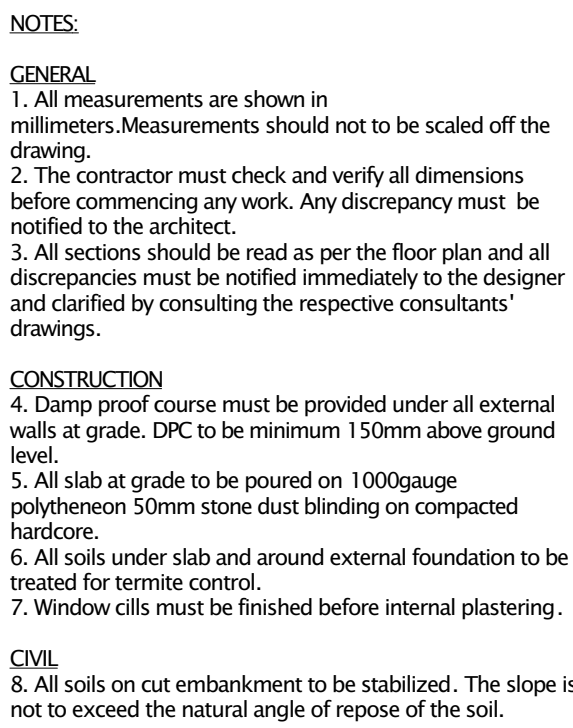
PETER MOMANYI B. Arch. (Hons),	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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Date: NOV 2023 Job No . 2023/Nov/

Job No. 2023/Nov/

Scale 1:100

DRAWING NO. 08-001-B012

[illegible]

Project : **PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
**KIPINI FISH
LANDING SITE**

Plot L. R. No.: _____

Location : **KIPINI
TANA RIVER COUNTY**

Client : _____

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

Signature

Subject :

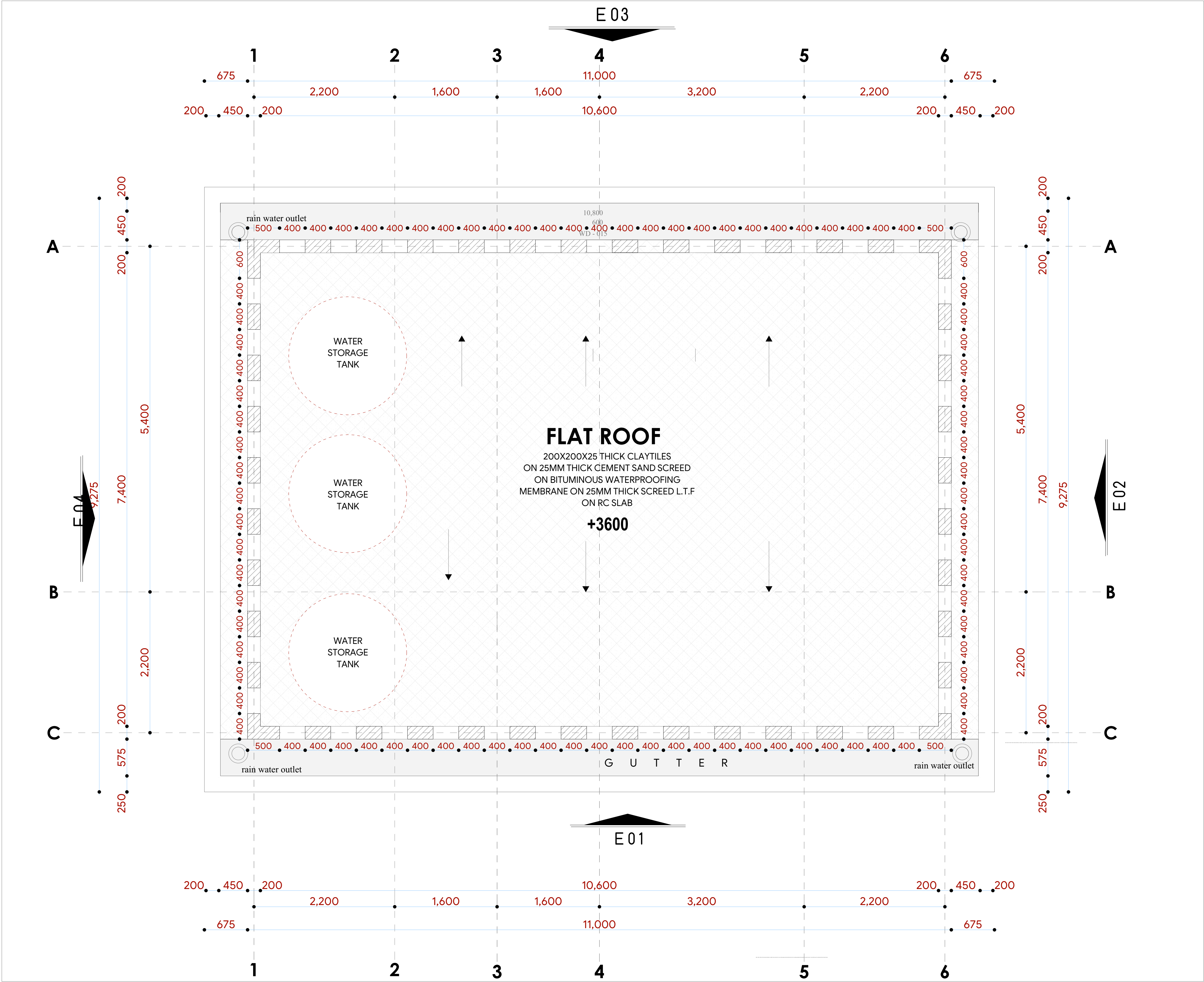
WORKING DRAWINGS.

Consultancy :

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

Drawn by: FER MOMANYI Arch. (Hons.)	Checked by :- F. TUNDULI B. Arch. (Hons.) , M. Arch. (reg. No.A1552)	Checked by :- J. MOMANYI B. Arch. (Hons.) , M. Arch. (reg. No.A1122)
Date: NOV 2023	Job No. 2023/Nov/	
Scale 1:100	DRAWING NO. 08-001-C013	

ROOF PLAN



- 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

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.

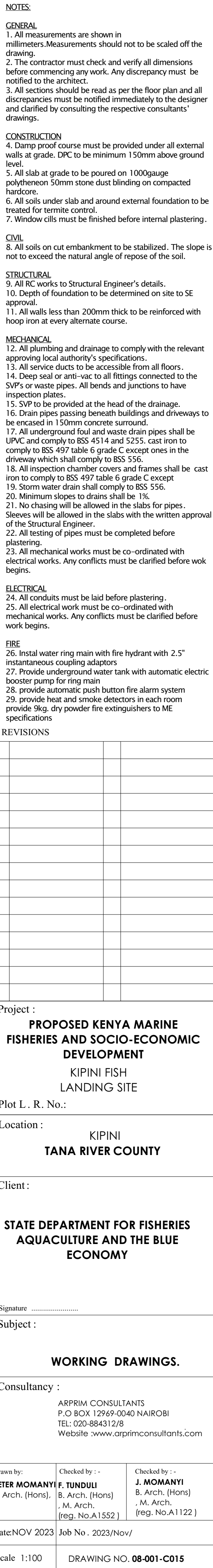
FIRE

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

REVISIONS		

Project : PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT KIPINI FISH LANDING SITE		
Plot L. R. No.:		
Location : KIPINI TANA RIVER 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: PETER MOMANYI B. Arch. (Hons), M. Arch. (reg. No.A1552)	Checked by : - F. TUNDULI B. Arch. (Hons) M. Arch. (reg. No.A1552)	Checked by : - J. MOMANYI B. Arch. (Hons) M. Arch. (reg. No.A1122)
Date: NOV 2023		
Job No. : 2023/Nov/		
Scale 1:100		DRAWING NO. 08-001-C014

ELEVATIONS



FLAT ROOF
200X200X25MM THICK CLAY TILES ON
CEMENT SAND SCREED [1:3] L.T.F ON
BITUMINOUS WATERPROOFING MEMBRANE ON
FLAT SLAB TO S.E SPECIFICATIONS

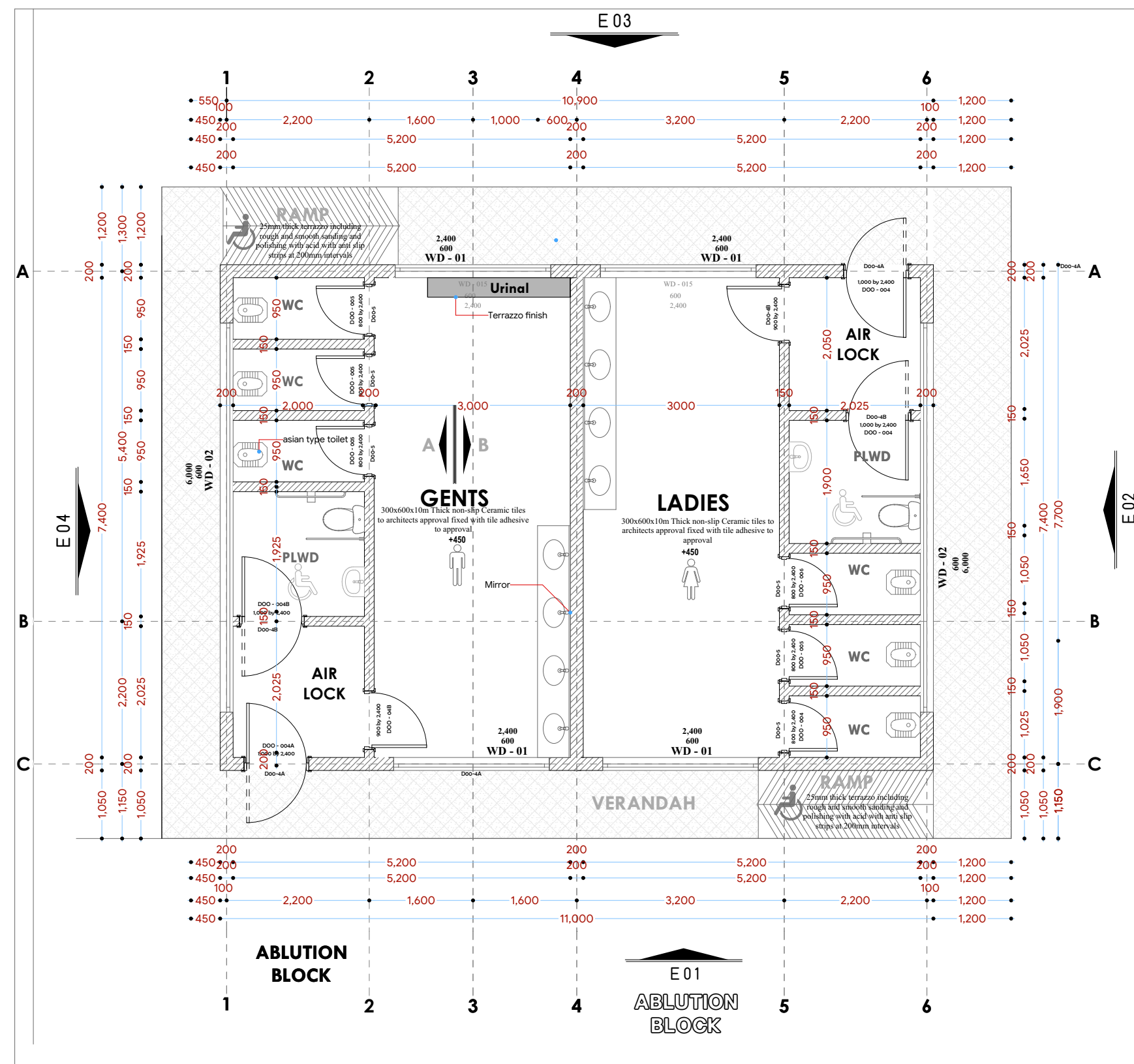
COPING
50MMX250MM CONCRETE
COPING

WALLING
200MM THICK MASONRY WALL
WITH 12MM THICK CEMENT LIME AND SAND
[1:2:9] PLASTER AND PAINT

FLOOR FINISH
500X500MM NON SLIP CERAMIC
TILES BEDDING
AND JOINTING IN ADHESIVE ON
25MM THICK SCREED
TO BQ SPECIFICATIONS

FOUNDATION
200MMX600MM RC STRIP FOUNDATION
DEPTH TO BE DETERMINED ON SITE

Scale 1:100 DRAWING NO. 08-001-C016



FLOOR PLAN

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 prevailing relevant 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 cast iron plates.

15. VSP 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 5416 C and S225. Cast iron to comply to BS 5497 table 6 grade C except ones in the driveway which will comply to BS 5556.

18. All cast iron 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 5556.

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 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 dry powder fire extinguishers to ME specifications

REVISIONS

[illegible]

Project : **PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
KIPINI FISH
LANDING SITE

Plot L. R. No.: _____
Location : **KIPINI**
TANA RIVER 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

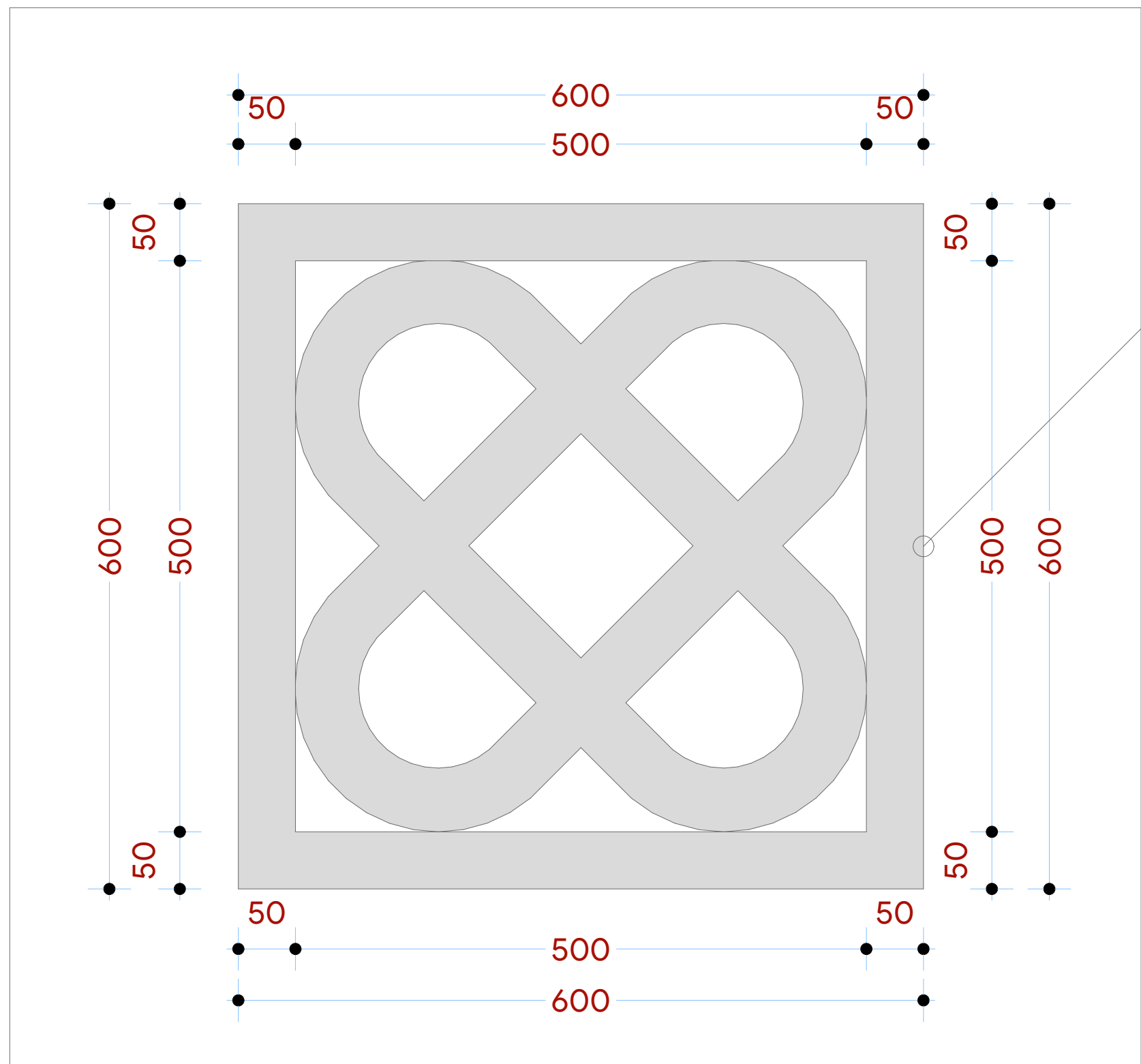
own by: TER MOMANYI Arch. (Hons),	Checked by : - F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by : - J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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Scale 1:100	DRAWING NO. 08-001- C018
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DOOR & WINDOW SCHEDULES

<p>(Window type W₀₀₅)</p>	<p>(Window type W₀₀₁)</p>	<p>(Door type : D_{004A})</p>	<p>(Door type : D₀₀₅)</p>	<p>(Door type : D_{004B})</p>
<p>powder coated aluminium framed sliding windows complete with ironmongery, mullions, transoms, 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.</p>	<p>powder coated aluminium framed sliding windows complete with ironmongery, mullions, transoms, 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.</p>	<p>1100*2400MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOUBLE ACTING DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p>	<p>800*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOUBLE ACTING DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p>	<p>1000*2100MM HARDWOOD MVULE LOUVRED SINGLE LEAF DOUBLE ACTING DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p>
<p>ABLUTION BLOCK 2 N O .</p>	<p>4 N O .</p>	<p>4 N O .</p>	<p>6 N O .</p>	<p>2 N O .</p>

SWAHILI VENT MOTIF



150MM 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 dimensions 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. Slab at grade to be poured on 100gaugage polythene 50mm stone dust blinding on compacted hardcore.
6. 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

21. All plumbing and drainage to comply with the relevant engineering local authority's specifications.
22. All service ducts to be accessible from all floors.
23. All deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have 150mm diameter cast iron or stainless steel plates.
24. SVP to be provided at the head of the drainage.
25. Drain pipes passing beneath buildings and driveways to be encased in 150mm concrete surround.
26. All underground and waste drain pipes shall be UPVC and comply to BS5 414 and 5255. cast iron to comply to BS5 497 table 6 grade C except ones in the driveway which comply to BS5 556.
27. All floor inspection chambers shall be cast iron to comply to BS5 497 table 6 grade C except 19. Storm water drain shall comply to BS5 556.
28. Minimum slopes to drains shall be 1%.
29. No chasing will be allowed in the slabs for pipes.
30. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.
31. Test testing of pipes must be completed before plastering.
32. 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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

Location : KIPINI
TANA RIVER COUNTY

lient :

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

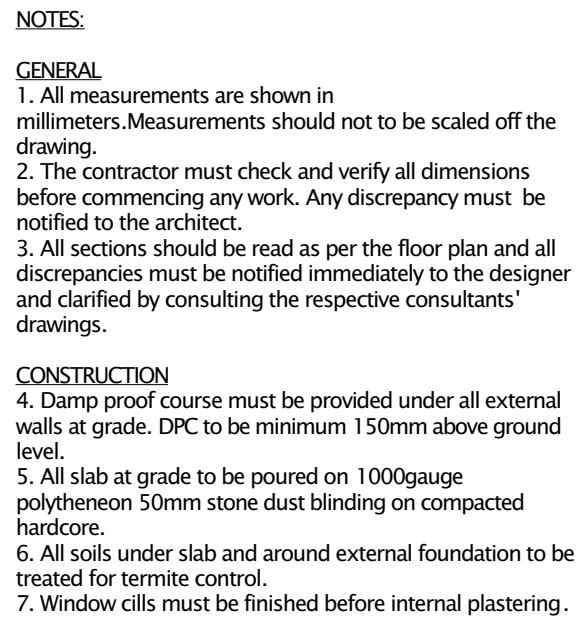
Signature

subject :

WORKING DRAWINGS.

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Drawn by: PETER MOMANYI B. Arch. (Hons),	Checked by :- F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by :- J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
Date: NOV 2023	Job No. 2023/Nov/	
Scale 1:100	DRAWING NO. 08-001-C019	



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 clean planed joints.
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 stormwater downpipes to be cast in concrete pipes shall be UPVC and comply to BS5 414 C and S255, cast iron to comply to BS8 497 table 6 grade C except ones in the driveway which shall comply to BS5 556.
18. All inspection chamber covers and frames shall be cast in concrete to comply to BS5 414 C except
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.
22. Goggles will be worn on the slabs with the written approval of the Structural Engineer.

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

[illegible]

Project : **PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
KIPINI FISH
LANDING SITE

Plot L. R. No.: _____
Location : KIPINI
TANA RIVER COUNTY

Client:

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

Signature

Subject :

WORKING DRAWINGS.

Consultancy :
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Drawn by:	Checked by :-	Checked by :-
PETER MOMANYI	F. TUNDULI	J. MOMANYI
Arch. (Hons),	B. Arch. (Hons)	B. Arch. (Hons)
	, M. Arch.	, M. Arch.
	(reg. No.A1552)	(reg. No.A1122)

ate: NOV 2023 | Job No. 2023/Nov/

scale 1:100 | DRAWING NO. 08-001-D020

ROOF PLAN

NOTES:

GENERAL

1. All measurements are shown in millimeters. Measurements should not be 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 approval 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. Drains 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 454 and 5255, cast iron to comply to BS 595 and 596, and ductile iron ones in the driveway which shall comply to BS 556.
18. All inspection chamber covers and frames shall be cast iron to comply to BS 597 table 6 grade C Exempt from water damage and shall comply to BS 556.
19. Minimum slopes to drains shall be:
 - a) 1 in 40 for foul drains
 - b) 1 in 80 for rainwater drains
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. 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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

location

KIPINI
TANA RIVER COUNTY

lient :

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE AND THE BLUE
ECONOMY

Signature

subject :

WORKING DRAWINGS.

consultancy :

ARPRIM CONSULTANTS
P.O BOX 12969-0040 NAIROBI
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Website :www.arprimconsultants.com

own by:

Checked by : -

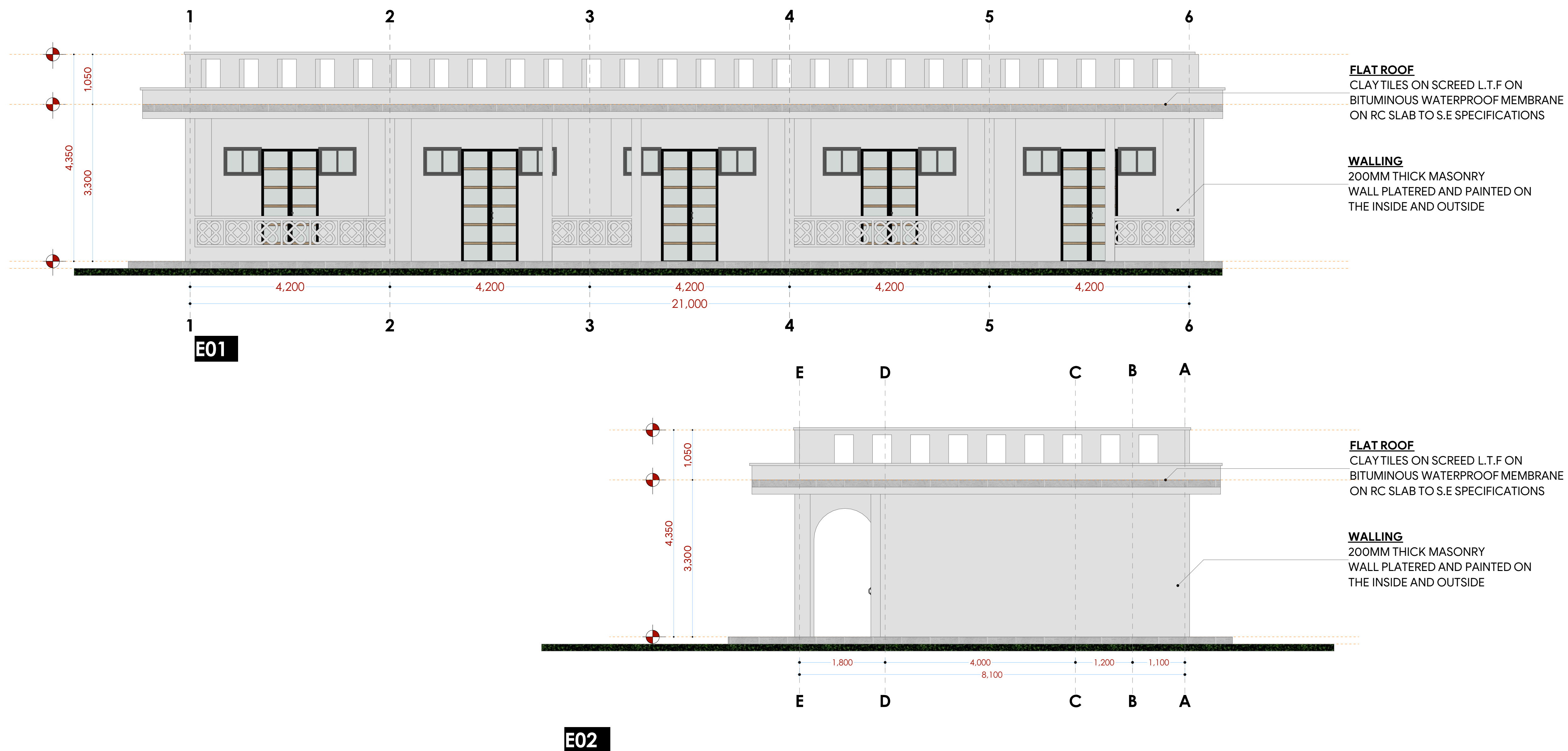
F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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te: NOV 2023	Job No . 2023/Nov/
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Scale 1:100

DRAWING NO. 08-001-D021

ELEVATIONS



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 approval 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 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 4514 and 5255; cast iron pipes to comply to BS85 497 table 6 grade C except ones in the roof.
 18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except ones in the roof.
 19. 150 mm waste 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.
 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**
24. All conduits must be laid before plastering.
 25. All electrical work must be co-ordinated with the 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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

location :

KIPINI
TANA RIVER COUNTY

lient :

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

Signature

subject :

WORKING DRAWINGS.

consultancy :

ARPRIM CONSULTANTS
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own by:

Checked by : -

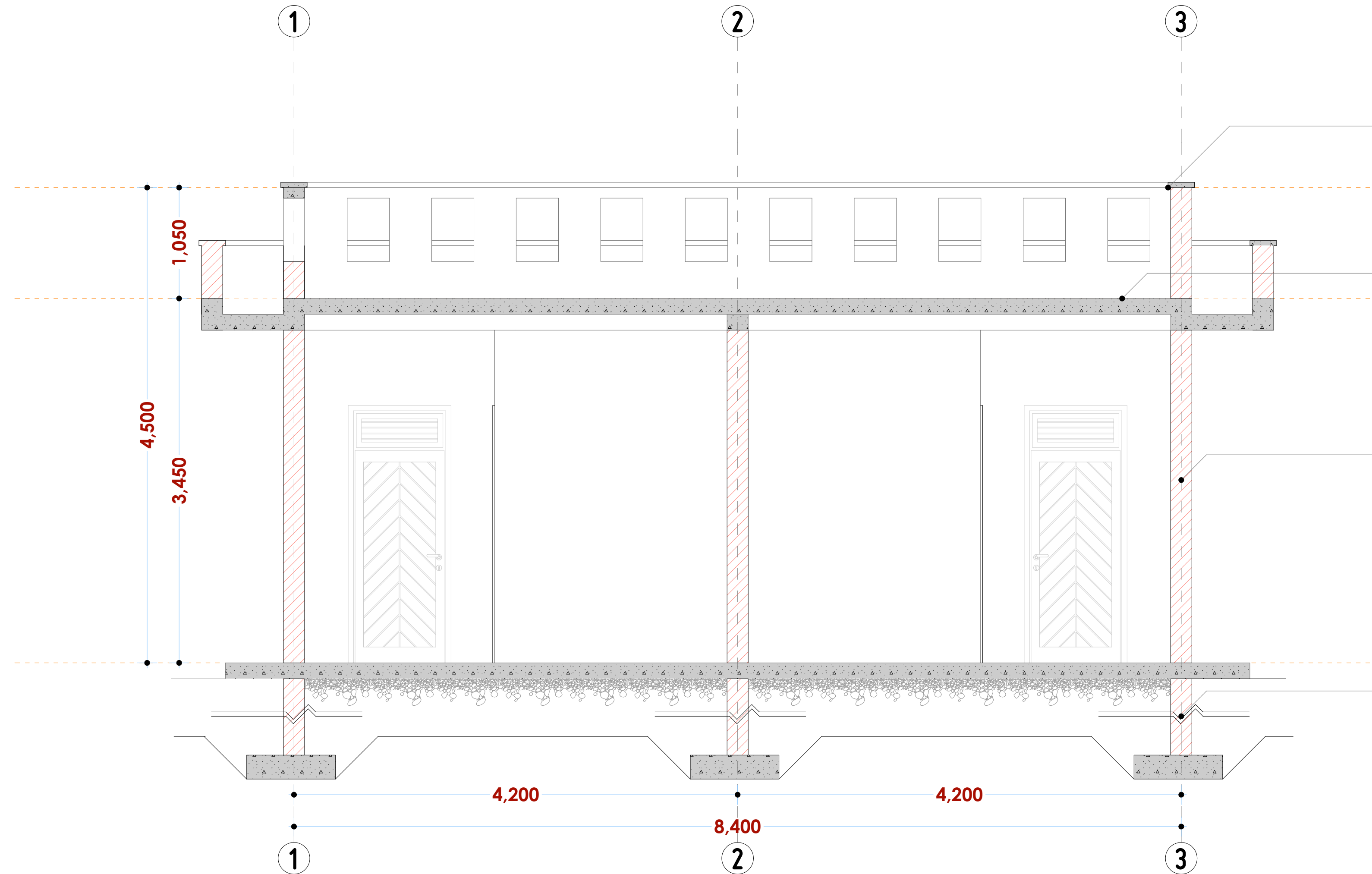
ER MOMANYI Arch. (Hons),	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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DRAWING NO. 08-001-D022

SECTION



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 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 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
211

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

STRUCTURAL
2. ALL PG...

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 service ducts to be accessible from all floors.
14. Deep seal or seal 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 BS5 414 and 5255. Cast iron to comply to BS5 497 table 6 grade C except one in the system which shall be BS5 497 table 6 grade C except.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except.
19. Storm water drain shall comply to BS5 556.
20. Minimum slopes to drains shall be 1%.
21. No chasing or cutting of pipes for pipes.
22. Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.

ELECTRICAL

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**
KIPINI FISH
LANDING SITE

Plot L. R. No.:

Location : KIPINI
TANA RIVER COUNTY

Client:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE AND THE BLUE
ECONOMY

Signature

Subject :

WORKING DRAWINGS.

Consultancy :

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ate: NOV 2023	Job No . 2023/Nov/
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Scale 1:100	DRAWING NO. 08-001-D024
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WINDOW & DOOR SECTION

<p>RL +3300</p> <p>3,300</p> <p>900</p> <p>2,400</p> <p>600</p> <p>600</p> <p>FFL +450</p>	<p>RL +3300</p> <p>2,400</p> <p>450</p> <p>900</p>	<p>RL +3300</p> <p>2,100</p> <p>450</p> <p>800</p>	<p>RL +3300</p> <p>900</p> <p>600</p> <p>1,800</p> <p>FFL +450</p> <p>1000</p> <p>600</p>
<p>(Door type : D₀₀₁)</p>	<p>(Door type : D₀₀₂)</p>	<p>(Door type : D₀₀₃)</p>	<p>(Window type W₀₀₁)</p>
<p>1200X2400MM ALUMINIUM FRAMED DOUBLE LEAF DOOR IRON MONGERY TO BoQ DETAILS</p> <p>MAIN ENTRANCE DOOR</p>	<p>2400X900MM HW MVULE SINGLE LEAF DOOR WITH LOUVRED FANLIGHT IRON MONGERY TO BoQ DETAILS</p> <p>REAR ENTRANCE</p>	<p>2100X900MM HW SINGLE LEAF PANEL DOOR IRON MONGERY TO BoQ DETAILS</p> <p>BATHROOM</p>	<p>1000X600MM powder coated aluminium framed top hung windows complete with ironmongery, mullions, transoms, 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.</p> <p>STALL ENTRANCE & WASHROOM</p>
<p>5 N O .</p>	<p>5 N O .</p>	<p>5 N O .</p>	<p>1 N O .</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 applicable local authority specifications.
 13. All services to be installed in accordance with the drawings.
 14. Deep seal or anti-vac to all fittings connected to the SVPs or waste pipes. All bends and junctions to be cast in situ.
 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 BS8541 45 and 5255. cast iron to comply to BS85 497 table 6 grade C except ones in the driveway which shall comply to BS85 556.
 18. All inspection chamber covers and frames shall be cast iron to comply to BS85 497 table 6 grade C except in the driveway which shall comply to BS85 556.
 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**
24. All conduits must be laid before plastering.
 25. All electrical work must be co-ordinated with the 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

KIPINI FISH
LANDING SITE

lot L. R. No.:

location

KIPINI
TANA RIVER COUNTY

lient :

**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: ER MOMANYI Arch. (Hons)	Checked by: - F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by: - J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
Date: NOV 2023	Job No. : 2023/Nov/	
Scale 1:100	DRAWING NO. 08-001-D025	

VISUALS

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 other means to all fittings connected to the SVPs or waste pipes. All bends and junctions to be inspection 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 slabs.
 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 table 6 grade C except on sites where the following conditions apply:
 18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except
 19. Storm water drain shall comply to BS5 556.
 20. Minimum slopes to drains shall be 1%.
 21. No chasing will be allowed for any pipes.
- Sleeves will be allowed in the slabs with the written approval of the Structural Engineer.

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

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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

Location : KIPINI
TANA RIVER COUNTY

lient :

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

own by:	Checked by : -	Checked by : -
ER MOMANYI	F. TUNDULI	J. MOMANYI
Arch. (Hons).	B. Arch. (Hons)	B. Arch. (Hons)
	, M. Arch.	, M. Arch.
	(reg. No.A1552)	(reg. No.A1122)

Job No. 2023/Nov/

Scale 1:100	DRAWING NO. 08-001-D026
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GROUND FLOOR PLAN

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.

CIVIL

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

MECHANICAL

12. All plumbing and drainage to comply with the relevant approving local authority's specifications.
13. All service ducts to be accessible to all floors.
14. Deep seal or anti-leak to all fittings connected to the SWPs or waste pipes. All bends and junctions to have inspection plates.
15. UP to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings & driveways to be encased in 150mm concrete surround.
17. All underground foul & waste drain pipes shall be cast iron and comply with BS 5955, cast iron to comply to BS5 497 table 6 grade C except drains in the driveway which shall comply to BS5 556.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 grade C except covers to manholes shall comply to BS5 556.
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. Pipes will be allowed in the slabs with the written approval of the Structural Engineer.

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.

REVISIONS

Project :
**PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
KIPINI FISH
LANDING SITE

Location : KIPINI
TANA RIVER COUNTY

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE AND THE BLUE
ECONOMY

Subject :

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

Date: NOV 2023 Job No . 2023/Nov

Scale 1:100	DRAWING NO. 08-001-E027
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GENERAL

1. All me

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 service ducts to be accessible from all floors.
14. All floor, wall and ceiling to be fitted with a seal or gasket to prevent any air fittings connecting 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 between buildings and driveways to be installed in 150mm diameter concrete.
17. All underground foul and waste drain pipes shall be UPVC and comply to BS5 414 and S255, cast iron to comply to BS5 497 table 6 grade C except ones in the driveway which comply to BS5 556.
18. All inspection chamber and manhole frames shall be cast iron to comply to BS5 497 table 6 grade C except in driveway which shall comply to BS5 556.
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.
22. All slabs will be brown and the slabs with the written approval of the Structural Engineer.

22. Air clustering

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**

KIPINI FISH
LANDING SITE

lot L. R. No.:

ocation :

KIPINI
TANA RIVER COUNTY

lient :

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

Signature

subject :

WORKING DRAWINGS.

consultancy :

ARPRIM CONSULTANTS
P.O BOX 12969-0040 NAIROBI
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own by:

ER MOMANYI F. TUNDULI
Arch. (Hons), B. Arch. (Hons)
, M. Arch.
(reg. No.A1552)

Check

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

te: NOV 2023 | Job No. 2023/Nov

Scale 1:100

DRAWING NO. 08-001-E028

ELEVATIONS

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 approved local authority's specifications.
13. All service ducts to be accessible from all floors.
14. Drainage to be connected to the sewer connected to the SVP or waste pipes. All bends and junctions to be 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 a concrete or brick structure.
17. All underground foul and waste drain pipes shall be UPVC and comply to BS85414 and 5255. cast iron to comply to BS5497 table 6 C except ones in the driveway which comply to BS5556.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5497 table 6 C except
19. Storm water drain shall comply to BS556.
20. Minimum slopes to drains shall be 1%.
21. No chases or cut-outs in the slab or floor.
22. All services will be allowed in the slabs with the written approval of the Structural Engineer.

22. Arresting 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

[illegible]

project

**PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE**

lot L. R. No.:

ocation :

KIPINI
TANA RIVER COUNTY

lient :

**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

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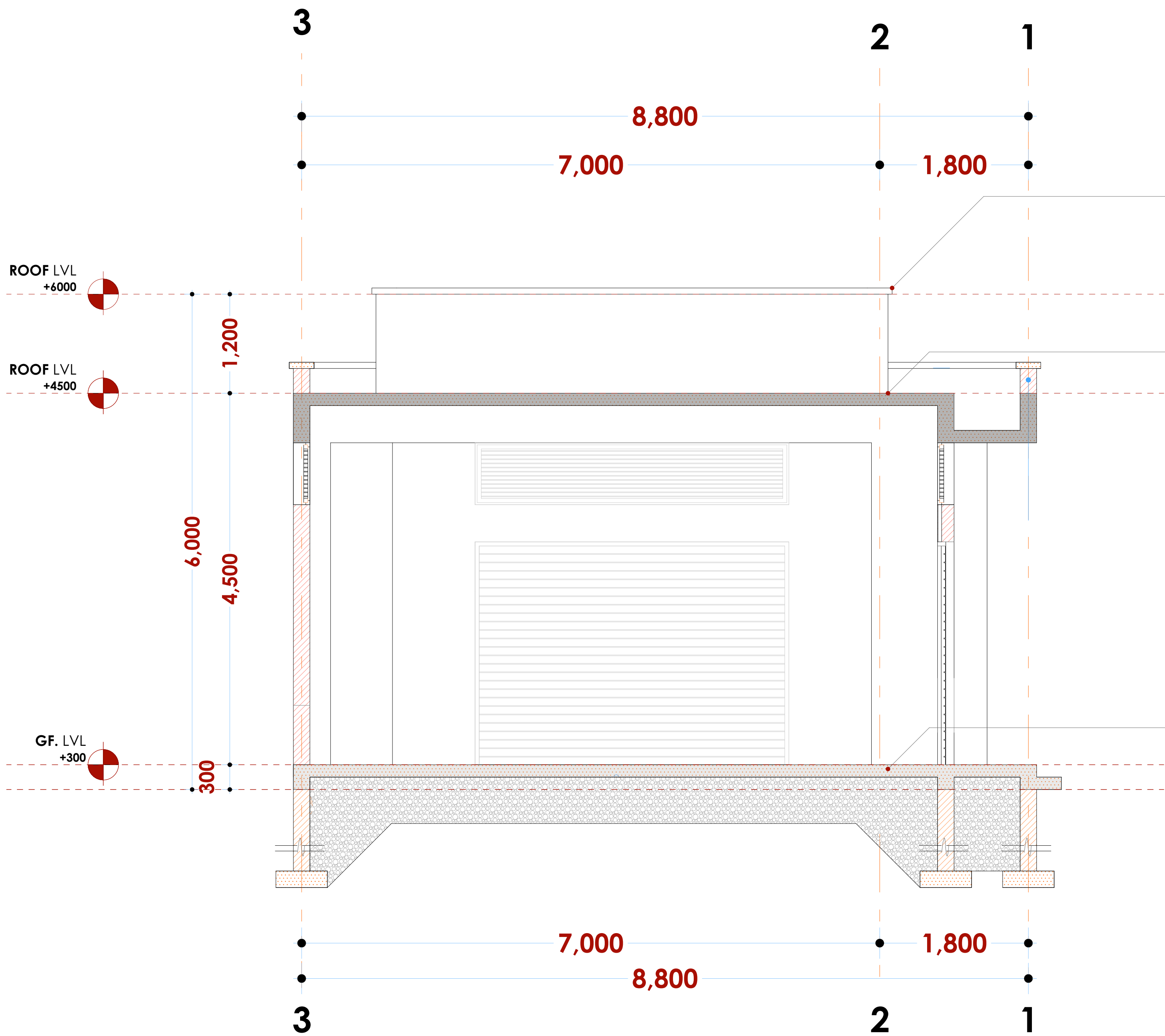
ER MOMANYI F. TONDULI	S. MOMANYI
Arch. (Hons),	B. Arch. (Hons)
B. Arch. (Hons)	, M. Arch.
, M. Arch.	(reg. No.A1122)
(reg. No.A1552)	

te: NOV 2023	Job No . 2023/Nov/
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Scale 1:100

DRAWING NO. 08-001-E029

SECTIONS



COPING

50MM THICK PRECAST CONCRETE
COPING ON 1500MM HIGH MASONRY WALL
PARAPET

FLAT SLAB

200X200X25MM CLAY TILES ON 50MM CEMENT SAND
SCREED L.T.F ON BITUMINOUS WATER PROOFING
MEMBRANE ON R.C SLAB TO S.E DETAILS

SLAB

150MM THICK CONCRETE FLOOR SLAB
WITH BRC REINFORCEMENT MESH CLASS
142A
ON 500GAUGE POLYTHENE SHEET DPM
ON 50MM APPROVED
MURRAM BLINDING ON 300 DP.
APPROVED AND WELL COMPACTED
HARDCORE FILLING

NOTES

GENERAL

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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 service ducts to be accessible from all floors.
14. Drain or soil or vent pipes and down pipes 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 between buildings and driveways to be installed in 150mm diameter concrete.
17. All underground foul and waste drain pipes shall be UPVC and comply to BS5 4154 and 5255, cast iron to comply to BS5 497 table 6 grade C except ones in the driveway which shall comply to BS5 356.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 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. Slabs will be shown on the drawings. The slabs with the written approval of the Structural Engineer.

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**
KIPINI FISH
LANDING SITE

Plot L. R. No.:

Location : KIPINI
TANA RIVER COUNTY

Client:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE AND THE BLUE
ECONOMY

Signature

Subject :

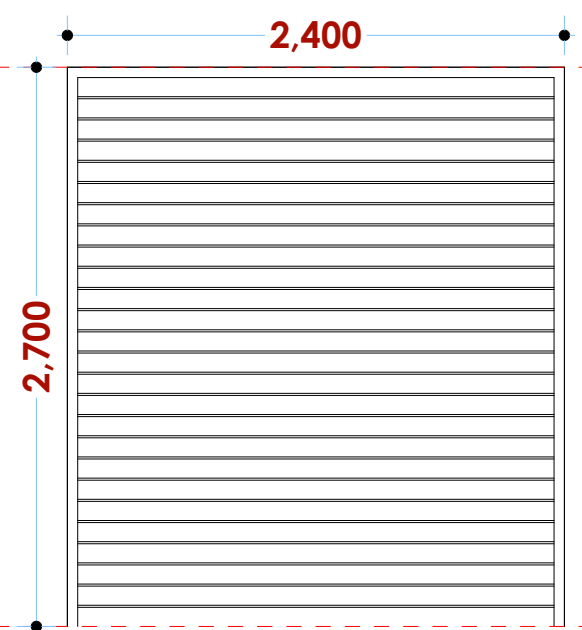
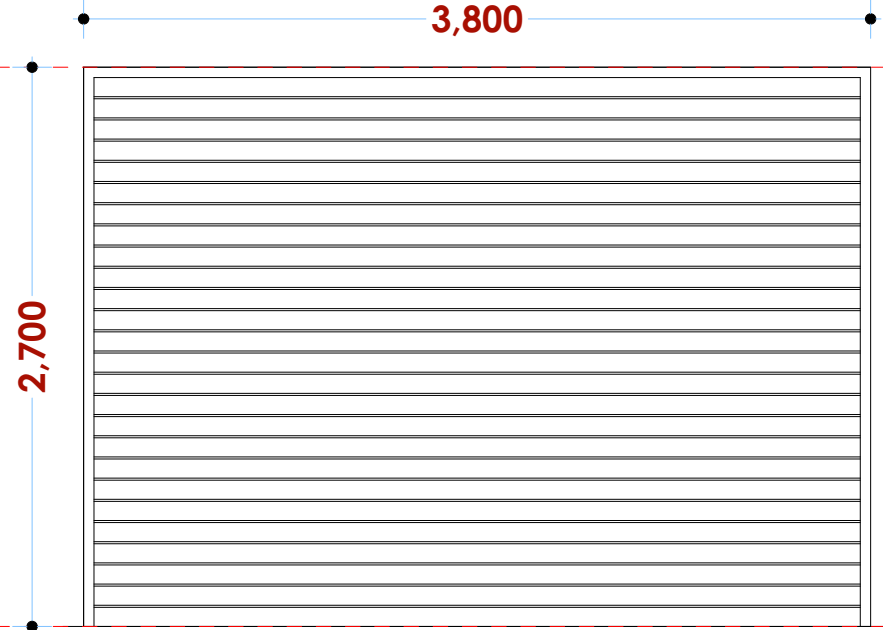
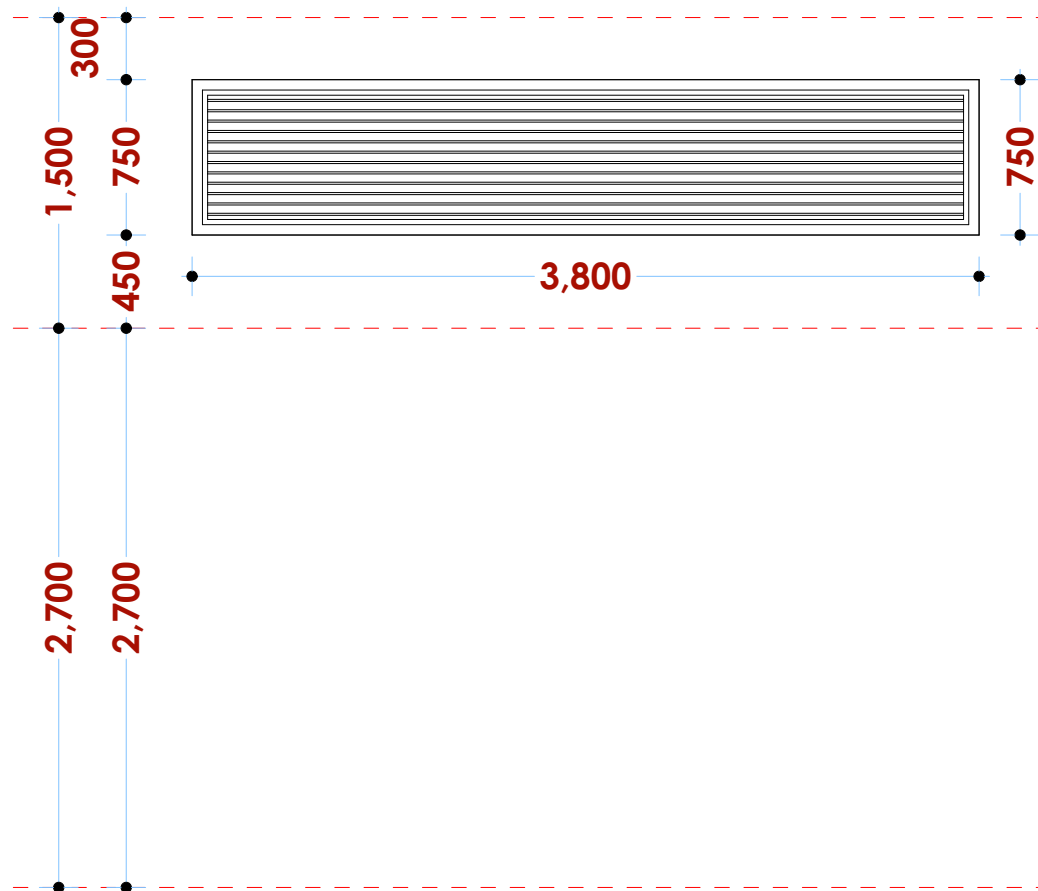
WORKING DRAWINGS.

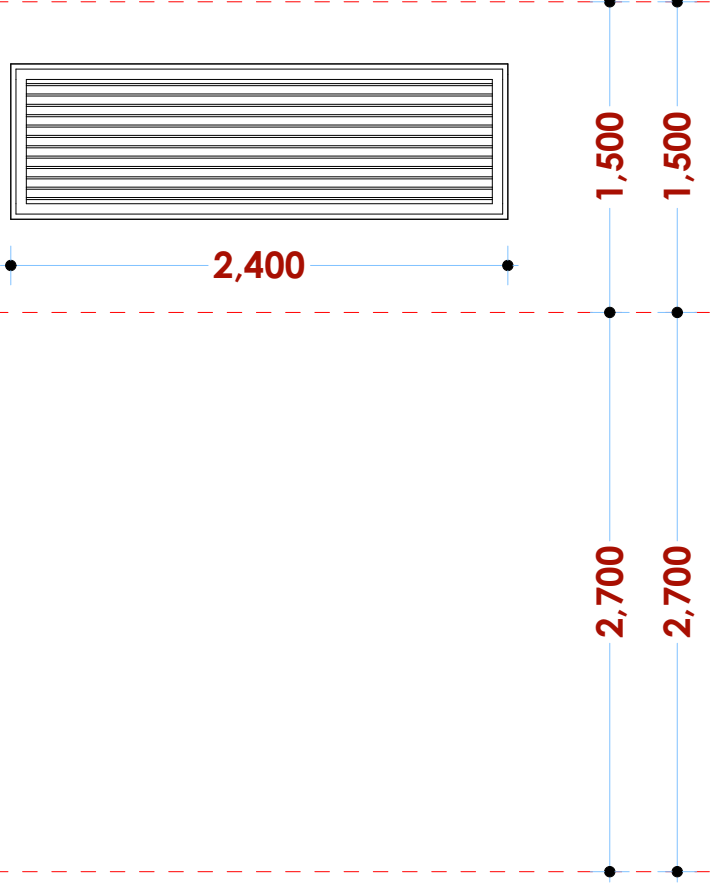
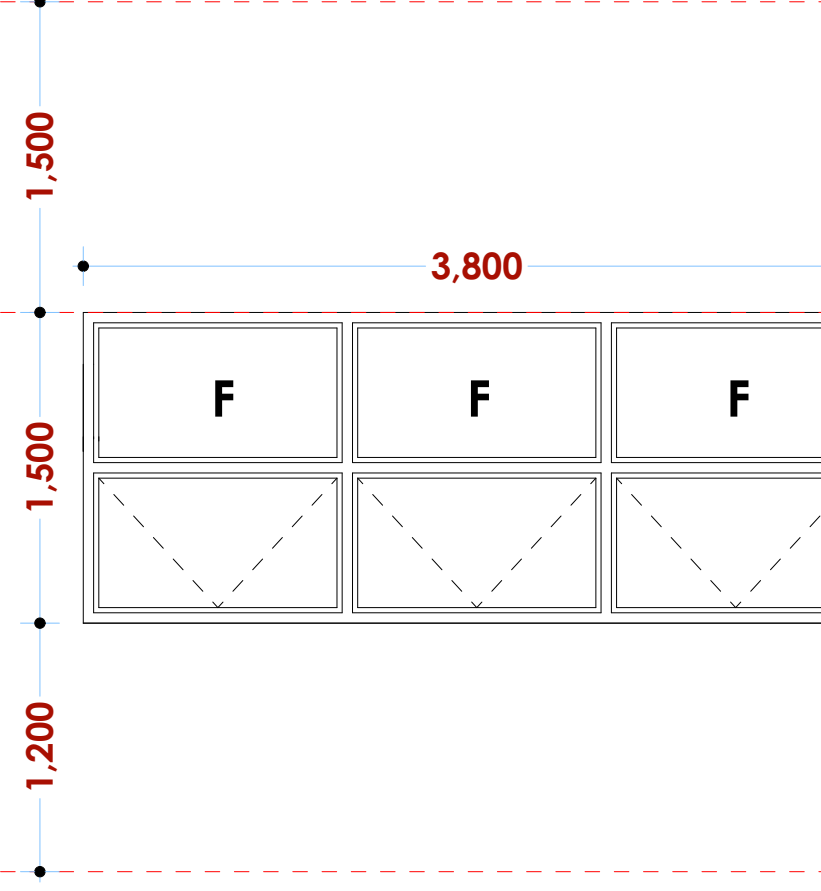
Consultancy :

ARPRIM CONSULTANTS
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TEL: 020-884312/8
Website :www.arprimconsultants.com

Drawn by: PETER MOMANYI B. Arch. (Hons),	Checked by: - F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by: - J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
Date: NOV 2023	Job No. : 2023/Nov/	
Scale 1:100	DRAWING NO. 08-001-E030	

DOOR & WINDOW SCHEDULE

<p>+4500 ROOF SLAB LVL</p> 		
<p>(Door type : D₀₀₂)</p> <p>2700MM HIGH X 2400MM WIDE ALUMINIUM ROLLER SHUTTER DOOR, IROM MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p>STORE</p> <p>1 NO .</p>	<p>(Door type : D₀₀₁)</p> <p>2700MM HIGH X 3800MM WIDE ALUMINIUM ROLLER SHUTTER DOOR, IROM MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p>WASHROOM CUBICLES</p> <p>4 NO .</p>	<p>(Window type W₀₀₁)</p> <p>750MM HIGH X 3800MM WIDE ALUMINIUM VENT WINDOW, IROM MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p>6 NO .</p>

<p>+4500 ROOF SLAB LVL</p> 	
<p>(Window type W₀₀₂)</p> <p>750MM HIGH X 2400MM WIDE ALUMINIUM VENT WINDOW, IROM MONGERY DETAILS AS PER BoQ SPECIFICATIONS</p> <p>STORE</p>	<p>(Window type W₀₀₃)</p> <p>3800X1500 MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transoms, 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.</p>
<p>2 N O .</p>	<p>1 N O . STORE</p>

NOTES:

GENERAL

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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. Provision of drainage to 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 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 BS5414 and S275, cast iron to comply to BS85 497 table 6 grade C except ones in the roof space which shall be cast iron.
 18. All inspection chamber covers and frames shall be cast iron to comply to BS8 497 table 6 grade C except S275.
 19. Storm water drain pipes to comply to BS5 556.
 20. All 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.

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**

KIPINI FISH
LANDING SITE

Plot L. R. No.:

Location :

KIPINI
TANA RIVER COUNTY

Client:

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

Signature

Subject :

WORKING DRAWINGS.

Consultancy :

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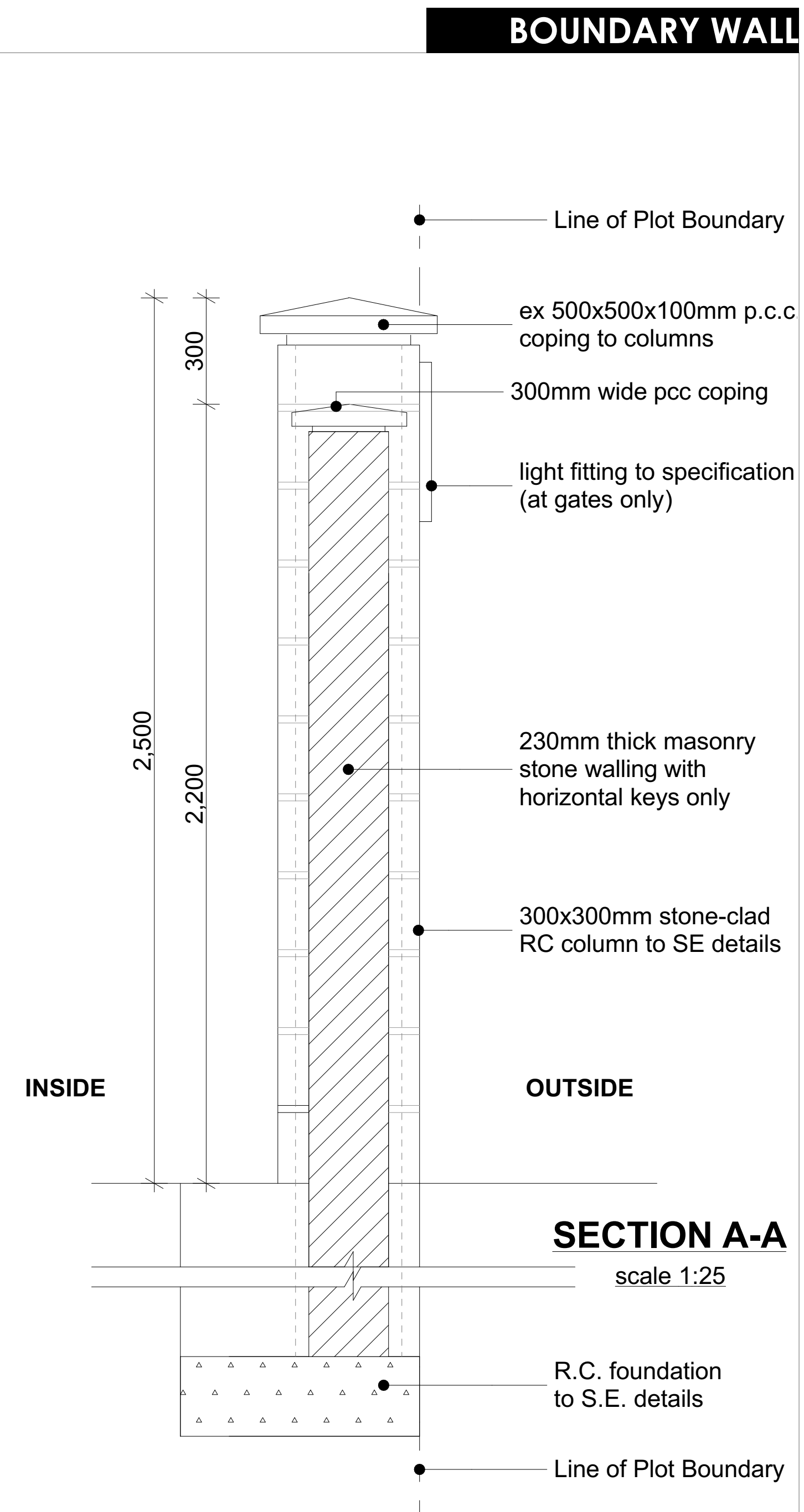
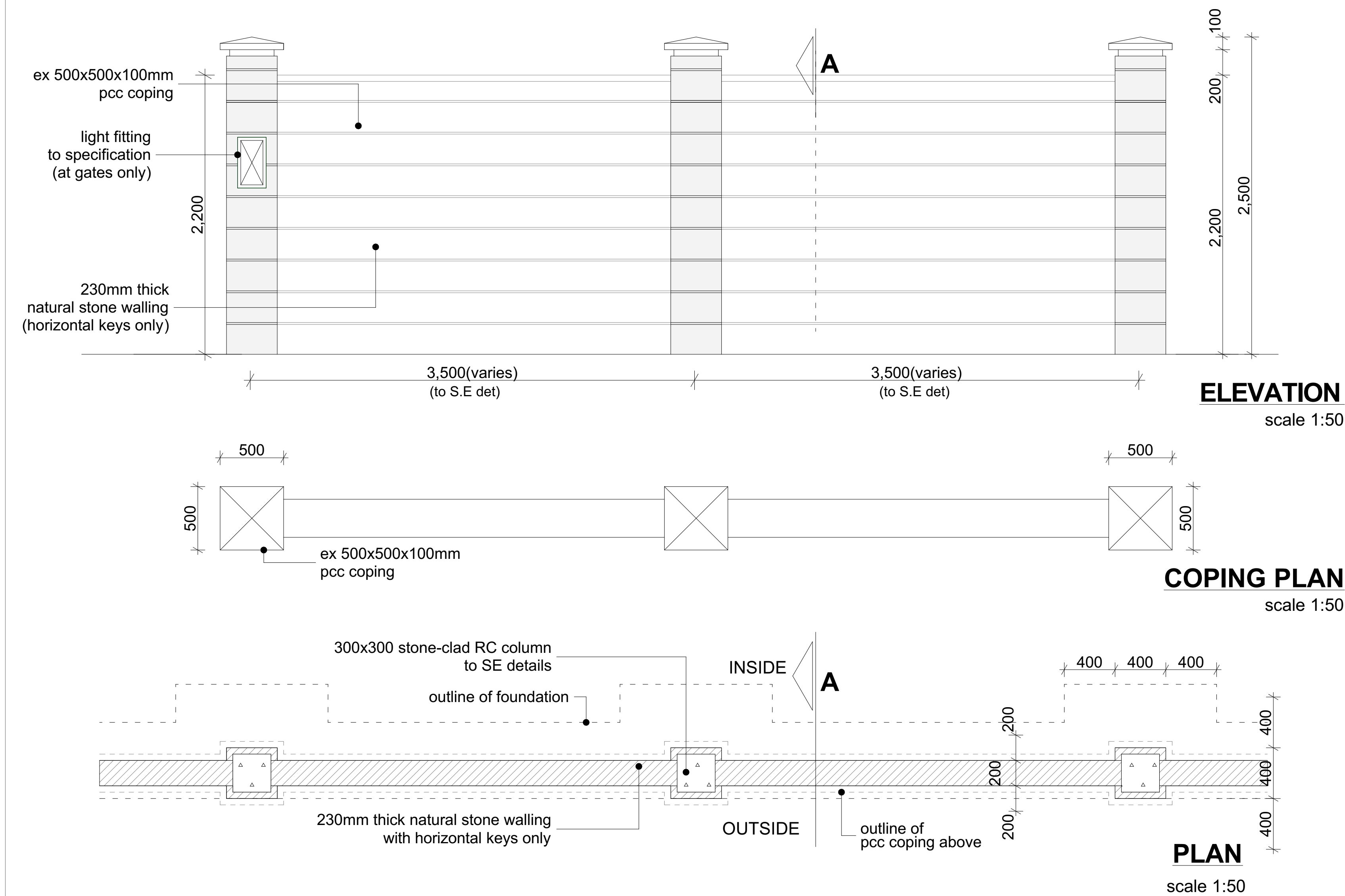
rawn by:

PETER MOMANYI Arch. (Hons), , M. Arch. (reg. No.A1552)	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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ate:NOV 2023 Job No . 2023/Nov/

scale 1:10

DRAWING NO. 08-001-E031



NOTES:

GENERAL

1. All measurements are shown in millimeters. Measurements should not be 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 provisions of the authority's specifications.
 13. All service ducts, pipes and conduits to be installed on 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 maximum deflection of 1mm.
 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 BS8541 4 and 5255. cast iron to comply to BS857 496 table 6 grade C except ones in the basement.
 18. All inspection chamber covers and frames shall be cast iron to comply to BS857 496 table 6 grade C except S56.
 19. Storm water drain shall comply to BS855 556.
 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**
24. All conduits must be laid before plastering.
 25. All electrical work must be co-ordinated with the 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**
KIPINI FISH
LANDING SITE

lot L, R, No.:

location :

KIPINI
TANA RIVER COUNTY

lient :

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

own by:

Check

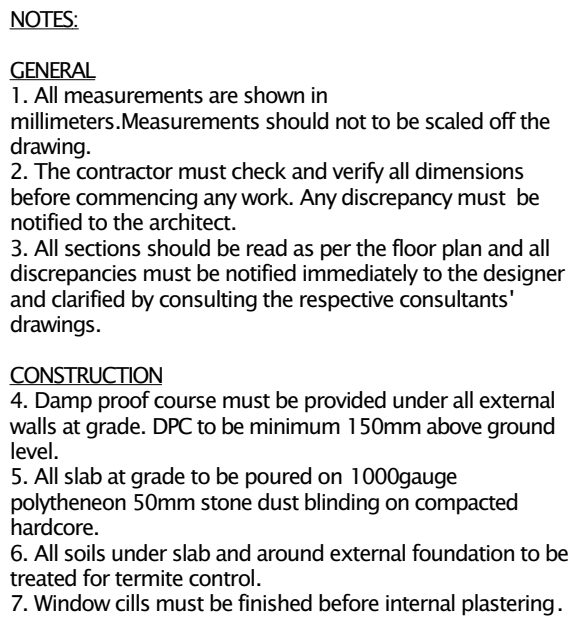
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ER MOMANYI Arch. (Hons), , M. Arch. (reg. No.A1552)	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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te: NOV 2023 | Job No . 2023/Nov/

Scale 1:100

DRAWING NO. 08-001-F033



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-vapour to all fittings connected to the SVPs or waste pipes. All bends and junctions to have insulating plaster.
15. WVP 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 cast in situ to comply with BS 5556.
18. All drains shall comply with BS 5556 and BS 5971 to comply to BS 497 table 6 grade C except ones in the driveway which shall comply to BS 5556.
18. All inspection chamber covers and frames shall be cast in situ to comply to BS 5556.
19. Storm water drain shall comply to BS 5556.
20. Minimum slopes to drains shall be 1%.
21. No chasing will be allowed in the slabs for pipes.
22. All services will be in the slabs with the written approval of the Structural Engineer.

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

[illegible]

Project :
**PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT**
KIPINI FISH
LANDING SITE

Location : KIPINI
TANA RIVER COUNTY

Client:

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

Signature

Subject :

WORKING DRAWINGS.

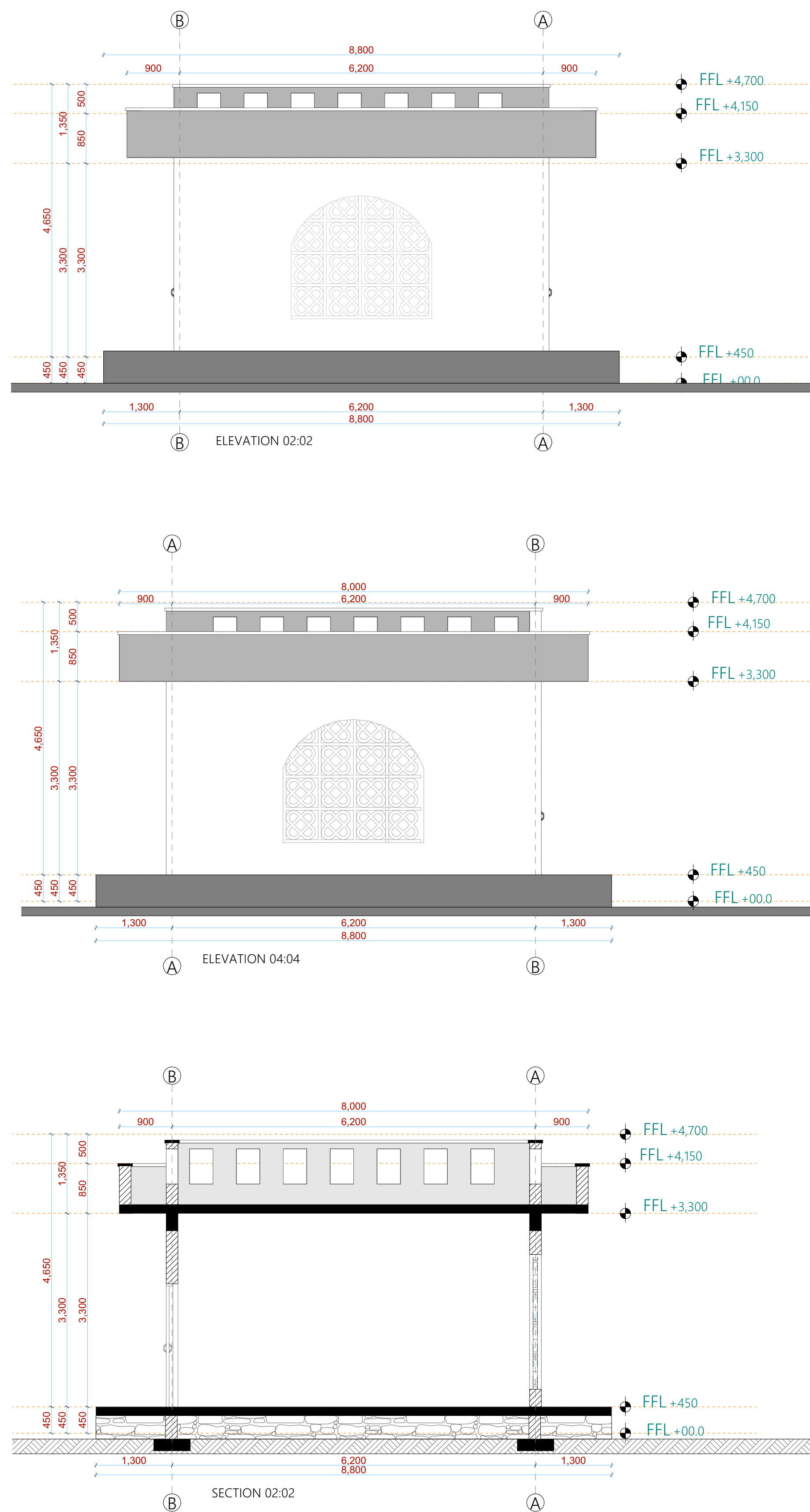
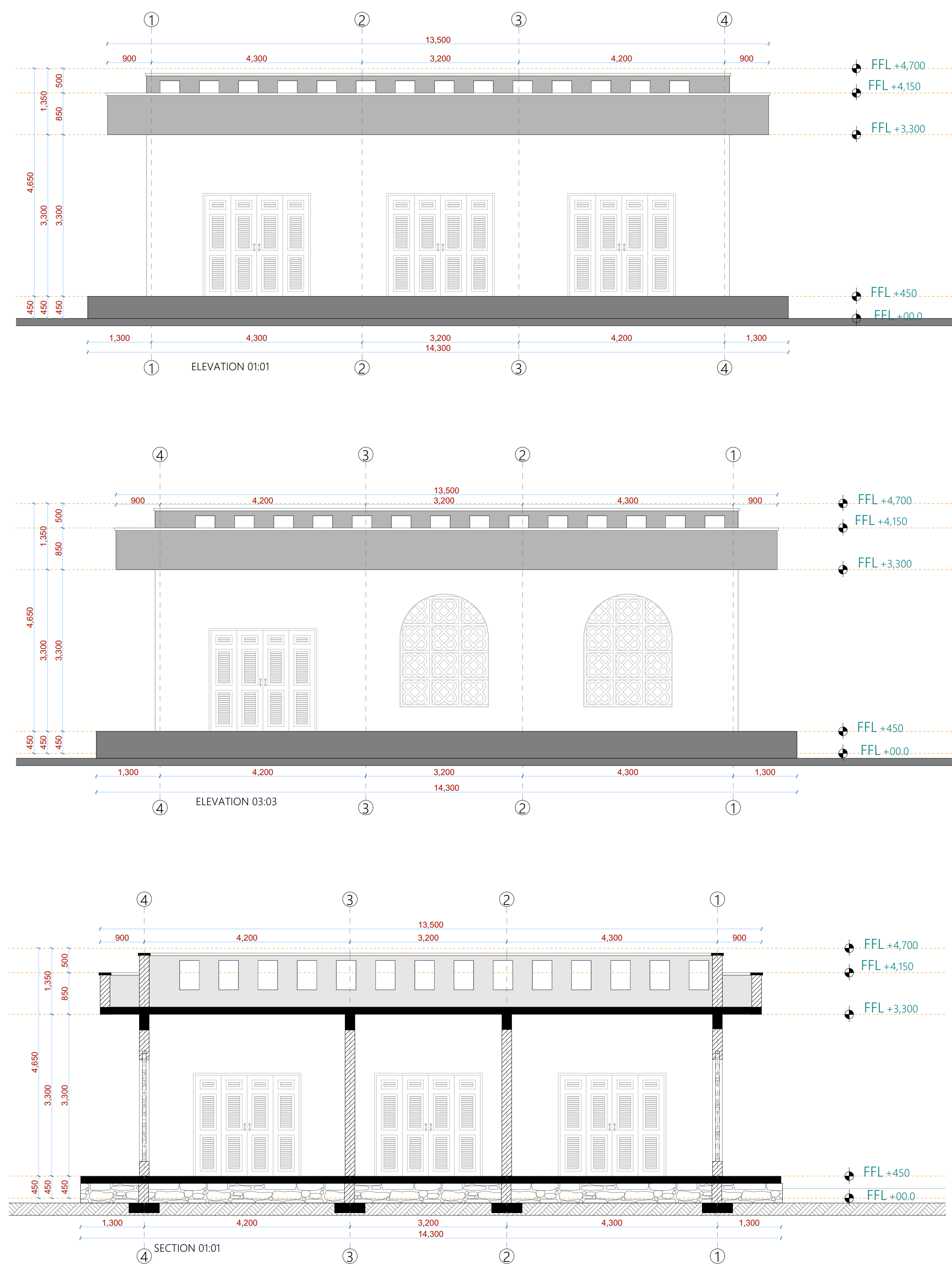
ARPRIM CONSULTANTS
P.O BOX 12969-0040 NAIROBI
TEL: 020-884312/8
Website :www.arprimconsultants.com

own by:	Checked by :-	Checked by :-
TER MOMANYI	F. TUNDULI	J. MOMANYI
Arch. (Hons),	B. Arch. (Hons)	B. Arch. (Hons)
	, M. Arch.	, M. Arch.
	(reg. No.A1552)	(reg. No.A1122)

ite: NOV 2023 | Job No . 2023/Nov/

scale 1:100 | DRAWING NO. 08-001-H035

ELEVATIONS & SECTIONS



- 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 1000gaugge 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 sills 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 be inspected 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 cast iron and comply to BS 4514 and 5255, cast iron to comply to BS 497 table 6 grade C except ones in the driveway which shall comply to BS 556.
 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 556.
 20. Minimum slopes to drains shall be 1%.
 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.
- FIRE**
26. Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptor
 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**
KIPINI FISH
LANDING SITE

Plot L. R. No.:
Location : KIPINI TANA RIVER COUNTY

Client:

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

Signature

Subject :

WORKING DRAWINGS.

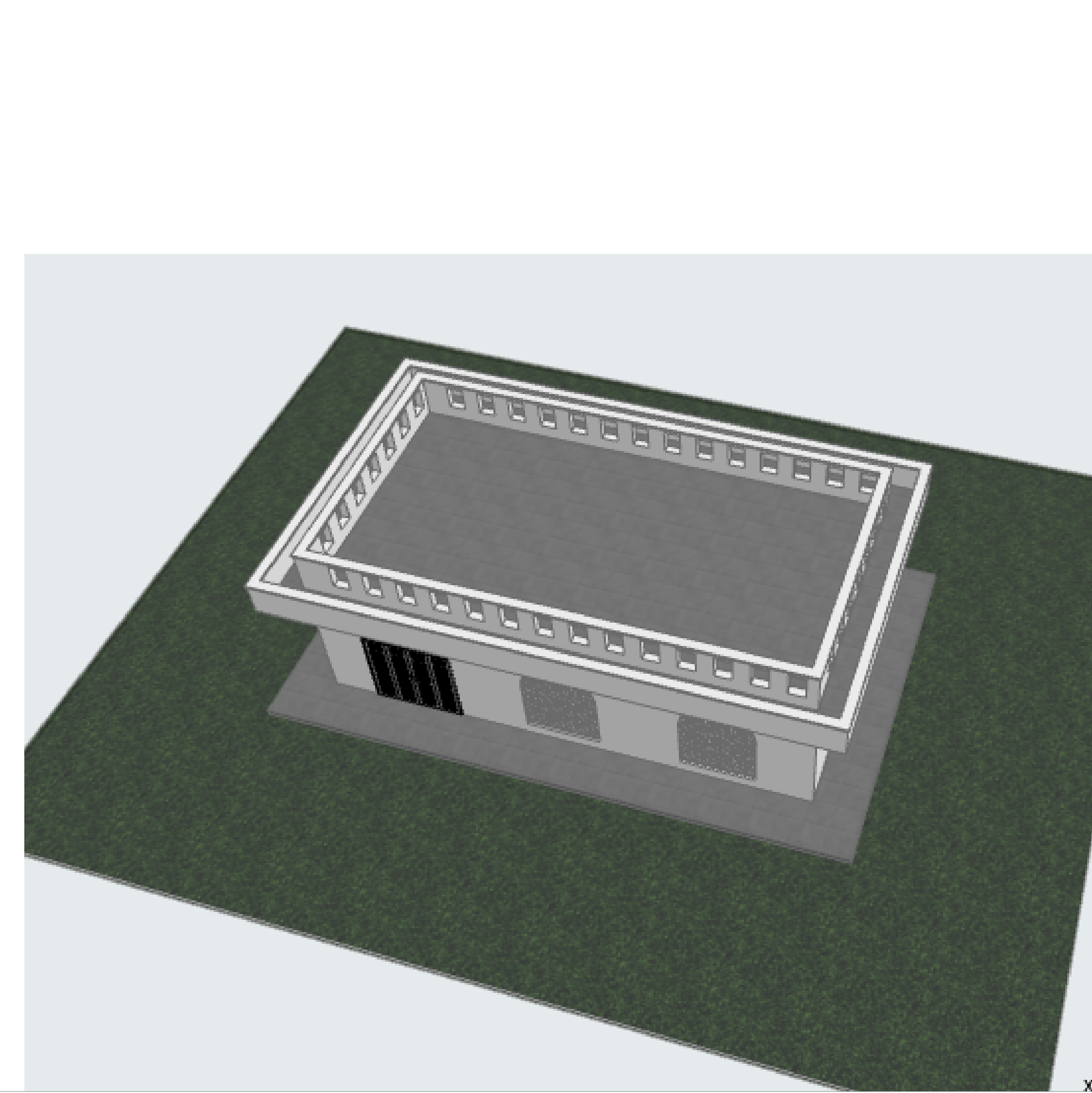
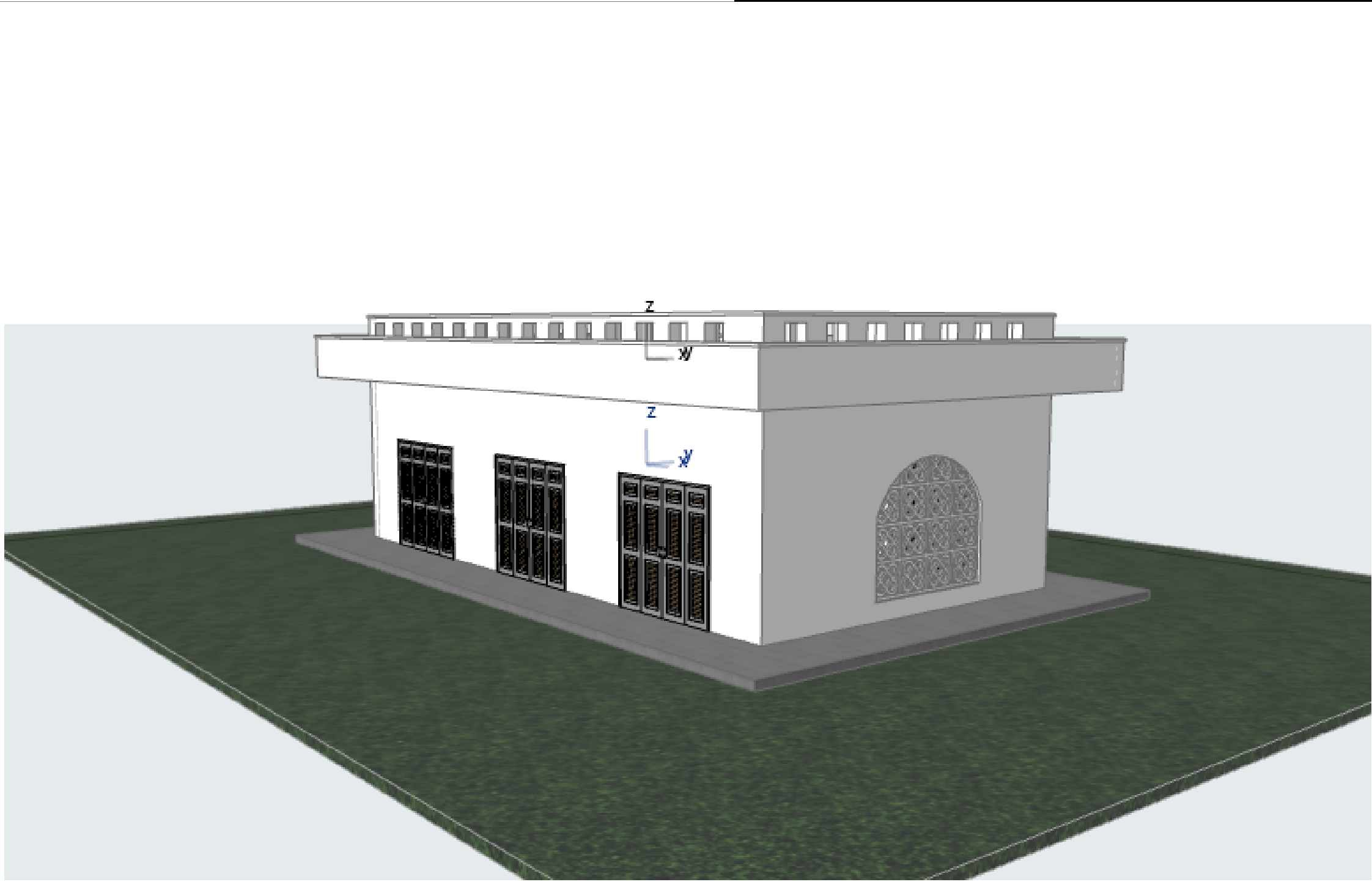
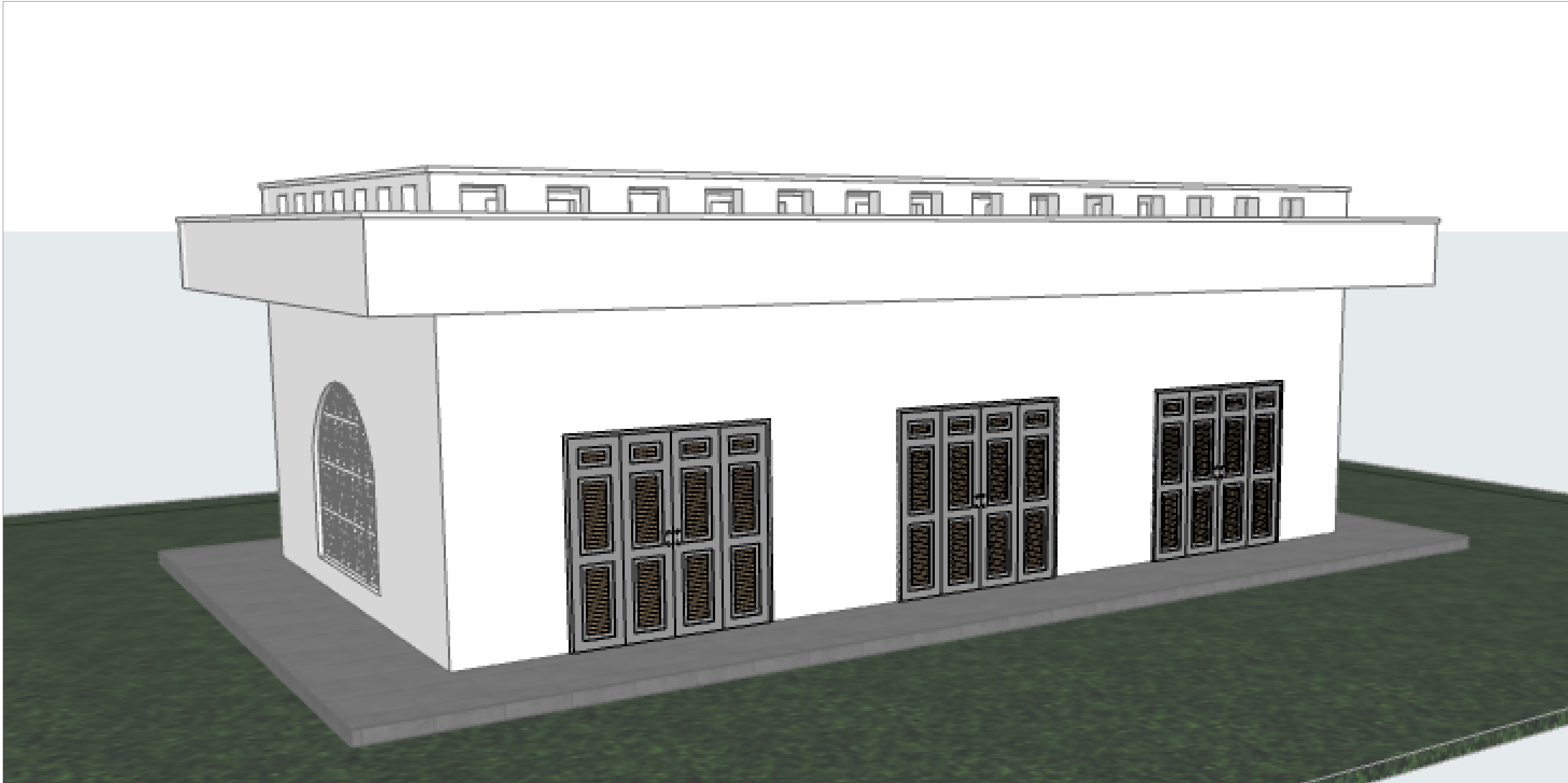
Consultancy :
ARPRIM CONSULTANTS
P.O BOX 12969-0040 NAIROBI
TEL: 020-884312/8
Website : www.arprimconsultants.com

Drawn by: PETER MOMANYI B. Arch. (Hons),	Checked by : - F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by : - J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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Date: NOV 2023 Job No . 2023/Nov/

Scale 1:100	DRAWING NO. 08-001-H036
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ARCHITECTURAL IMPRESSIONS



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 approval local authority's specifications.
13. All service ducts to be accessible from all floors.
14. Dues shall be one-way to all fittings connected to the SVPF 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 BS5451 & 5255. cast iron to comply to BS5497 table 6 grade C except ones in the roof.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5497 table 6 grade C except
19. Storm water drain shall comply to BS556.
20. Minimum slopes to drains shall be 1%.
21. No chasing in the slab 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
KIPINI FISH
LANDING SITE**

Plot L. R. No.:

Location :

KIPINI
TANA RIVER 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:

PETER MOMANYI B. Arch. (Hons), (reg. No.A1552)	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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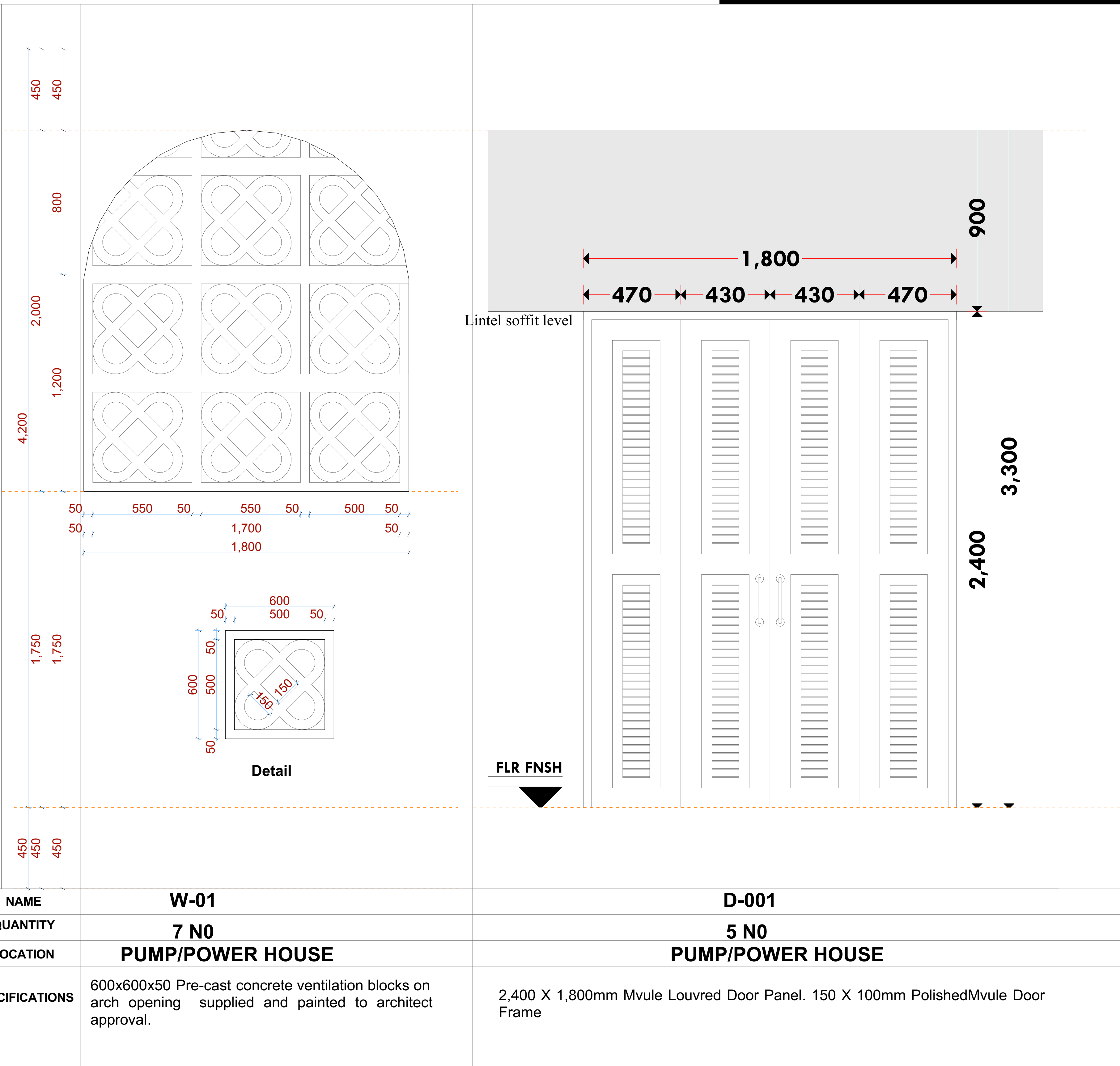
Date: NOV 2023 Job No . 2023/Nov/

Scale 1:10

DRAWING NO. 08-001-H037

WINDOW & DOOR SCHEDULES

WINDOW DESIGN



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 latest approved local authority's specifications.
13. All services to be installed in the floor.
14. Deep seal or anti-vac pot to fittings connected to the SVP or service pipes. All bends and junctions to have inspection points.
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 foul and waste drain pipes shall be UPVC and comply to BS5145 and 5255, carried out to comply to BS85 497 table 6 except ones in the basement.
18. All inspection chamber covers and frames shall be cast iron to comply to BS5 497 table 6 except.
19. Storm water drain shall comply to BS5 556.
20. Minimum cover to drainage 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 the 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 the mechanical 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**
KIPINI FISH
LANDING SITE

lot L. R. No.:

ocation :

KIPINI
TANA RIVER COUNTY

lient :

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

an by:

ER MOMANYI Arch. (Hons),	F. TUNDULI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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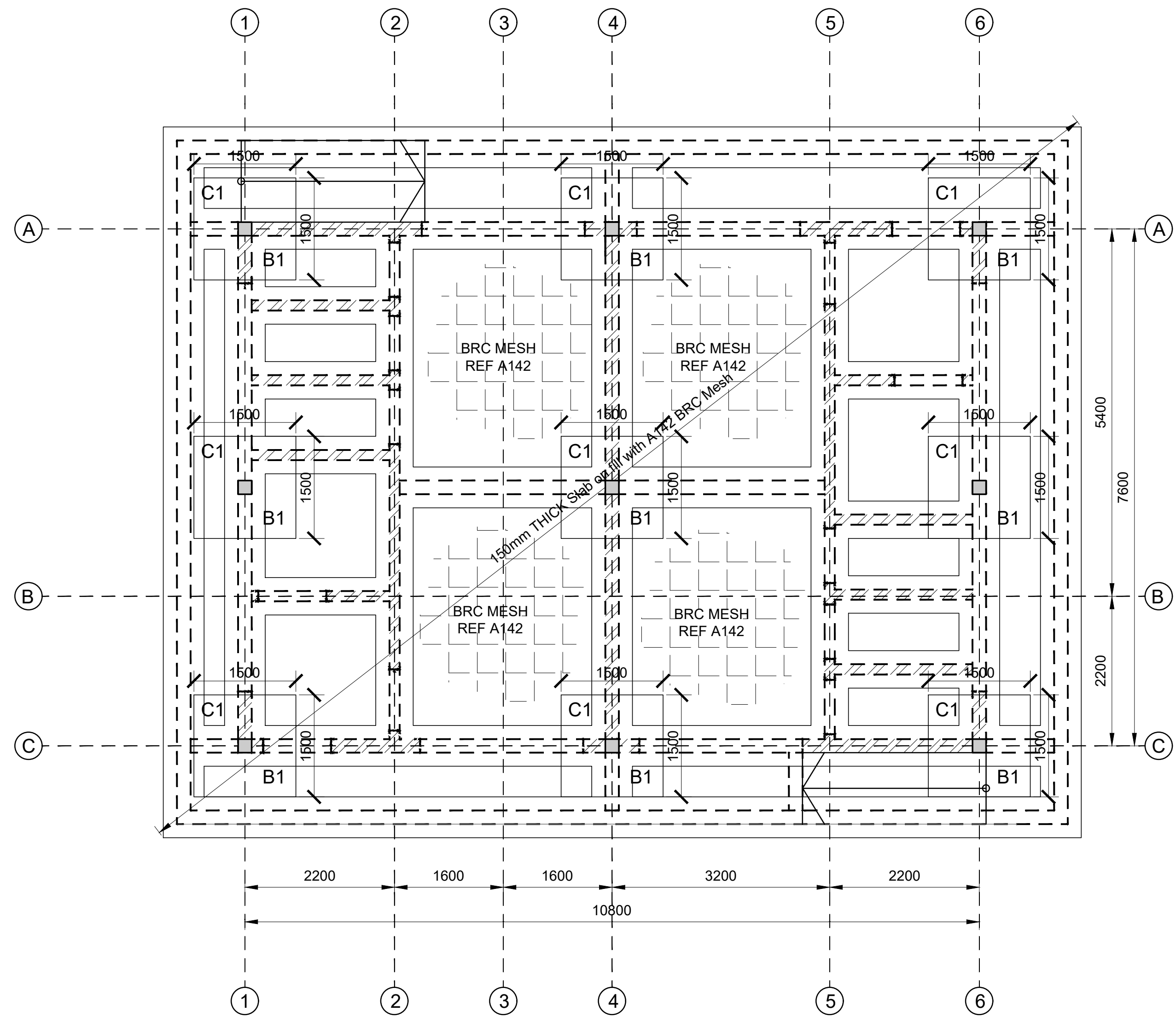
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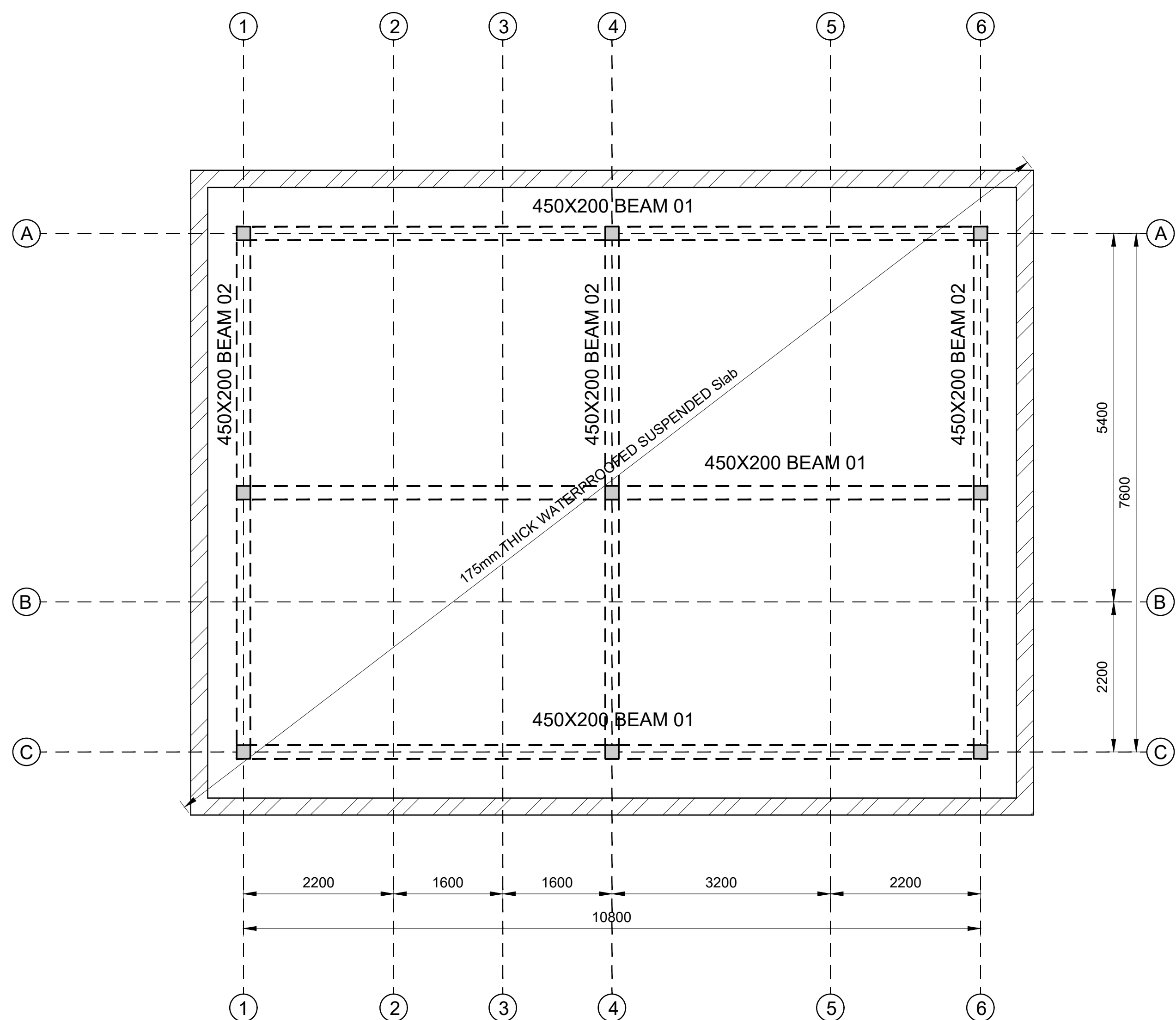
DRAWING NO. 08-001-H038

PROPOSED KIPINI ABLUTION BLOCK DRAWINGS

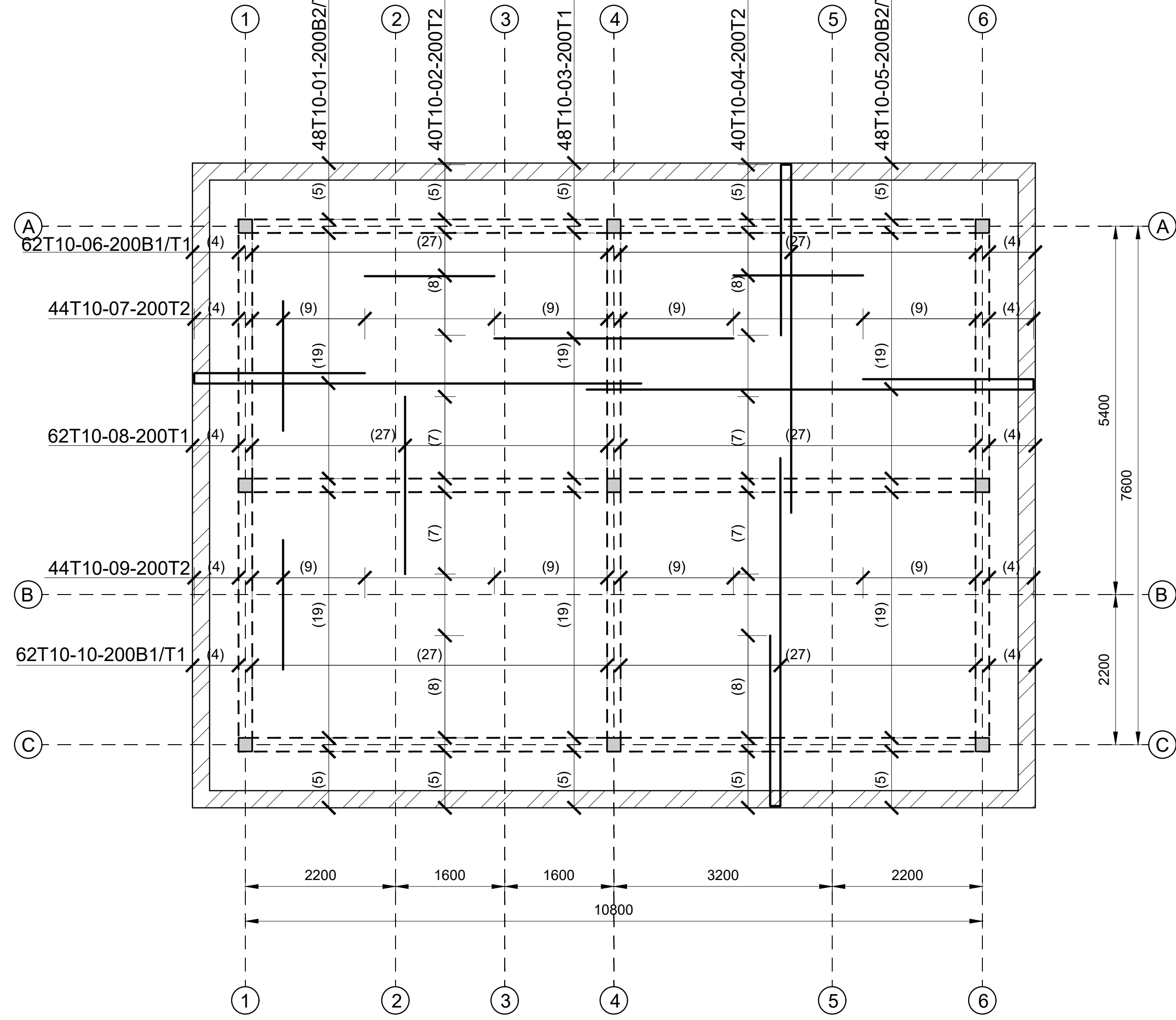
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	STRUCTURAL DRAWINGS



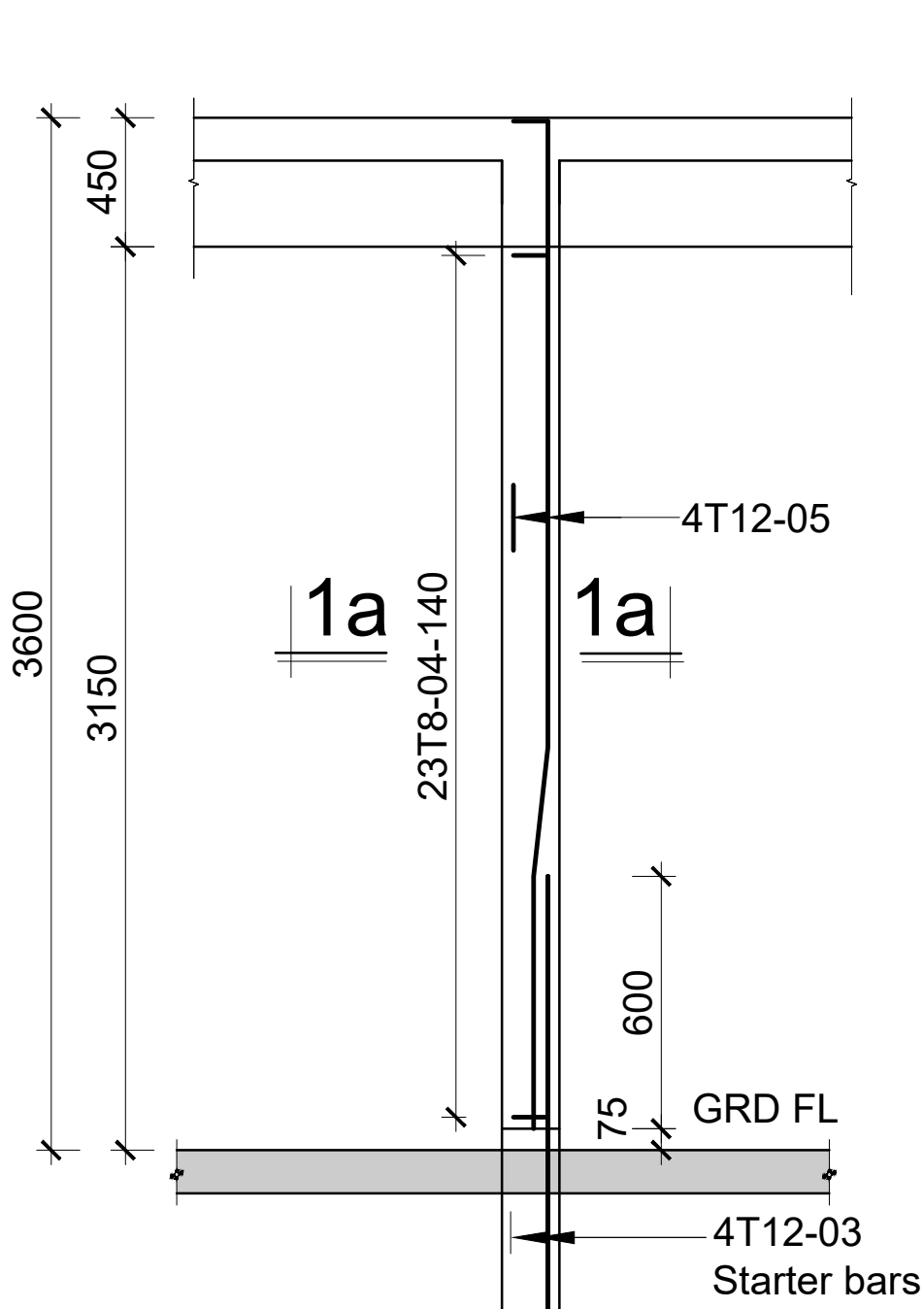
FOUNDATION AND GROUND FLOOR LAYOUT
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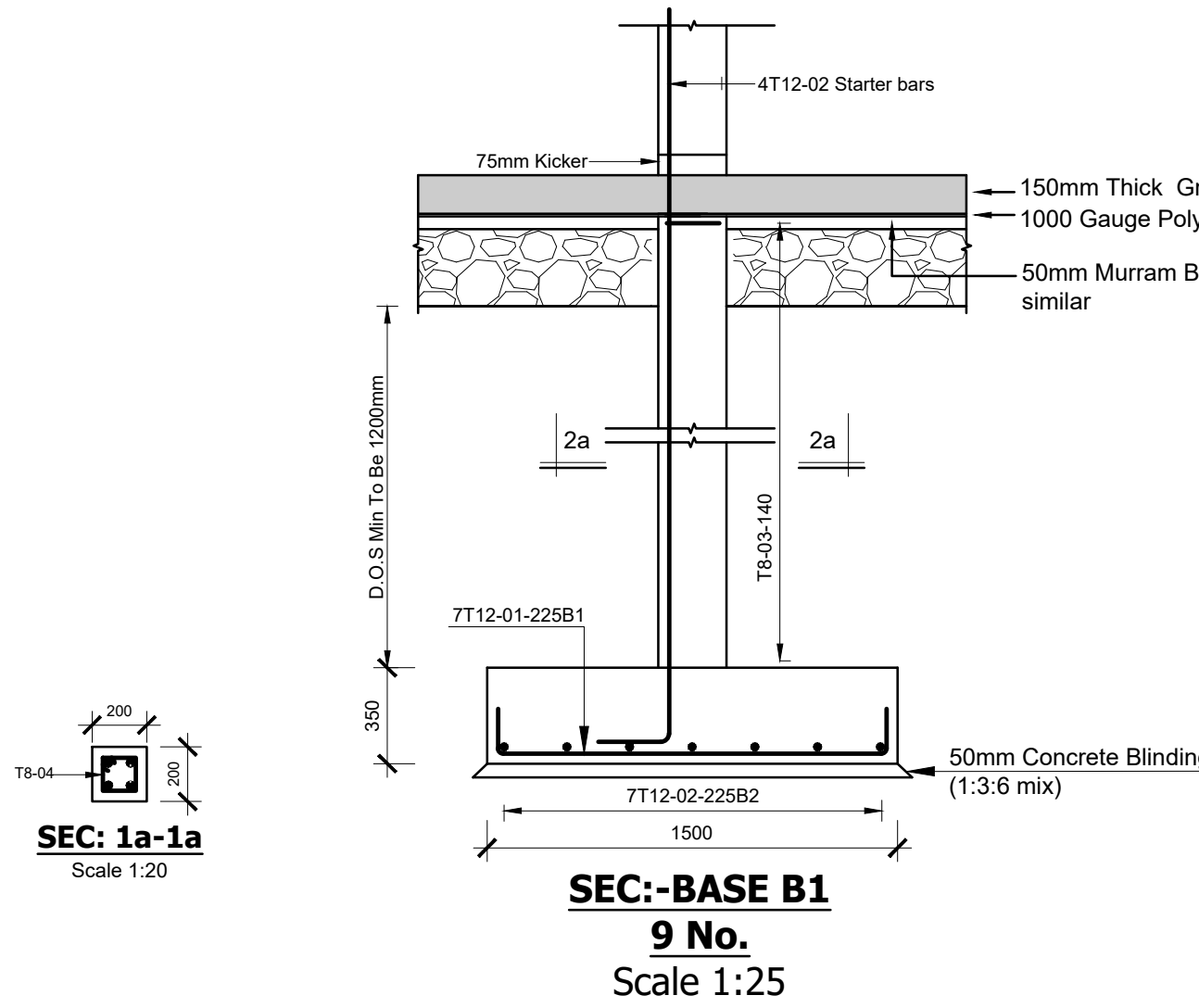
ROOF SLAB LAYOUT
(SCALE 1:50)



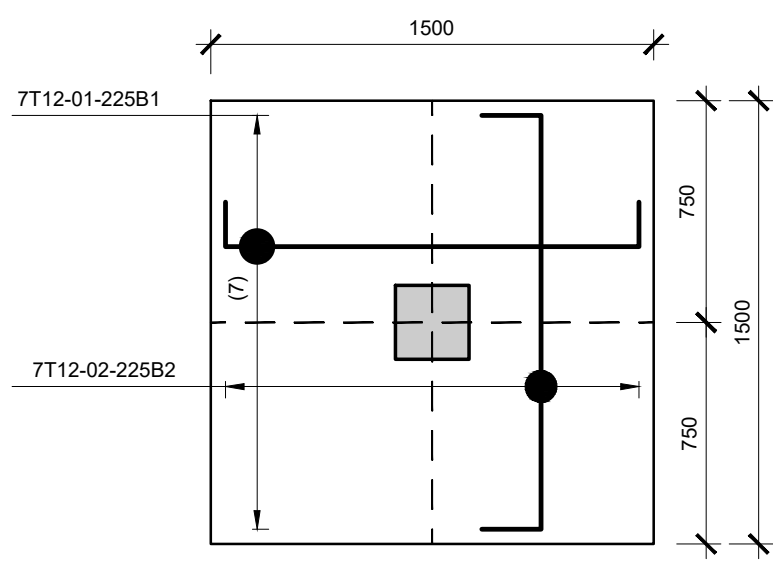
ROOF SLAB RC DETAILS
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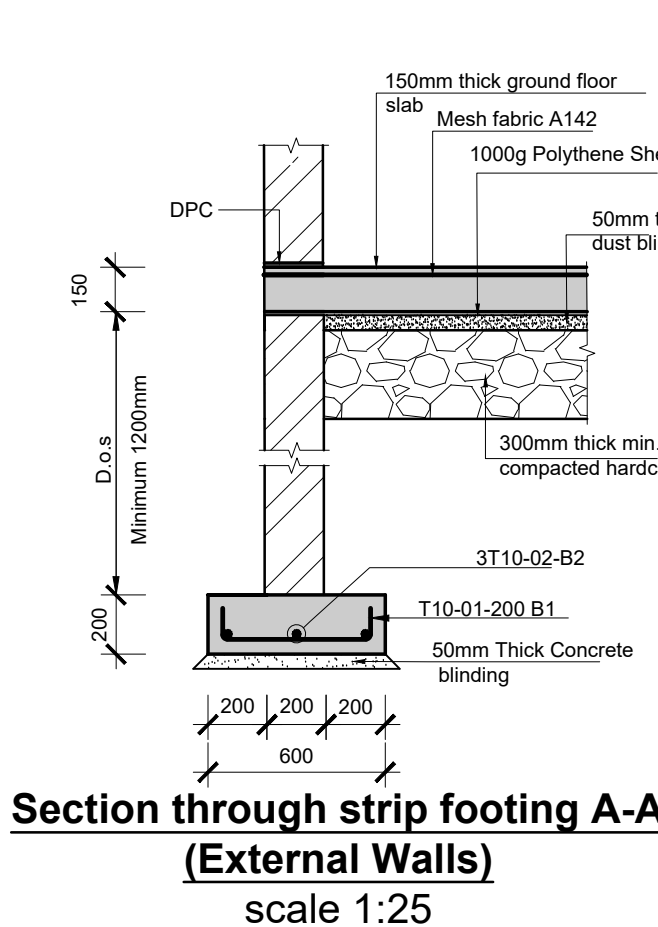
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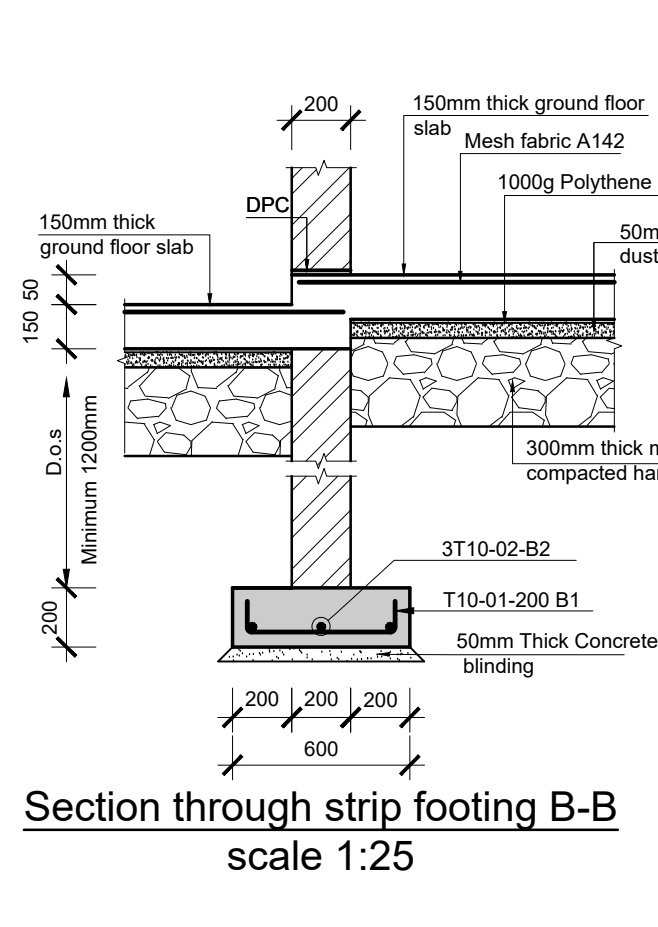
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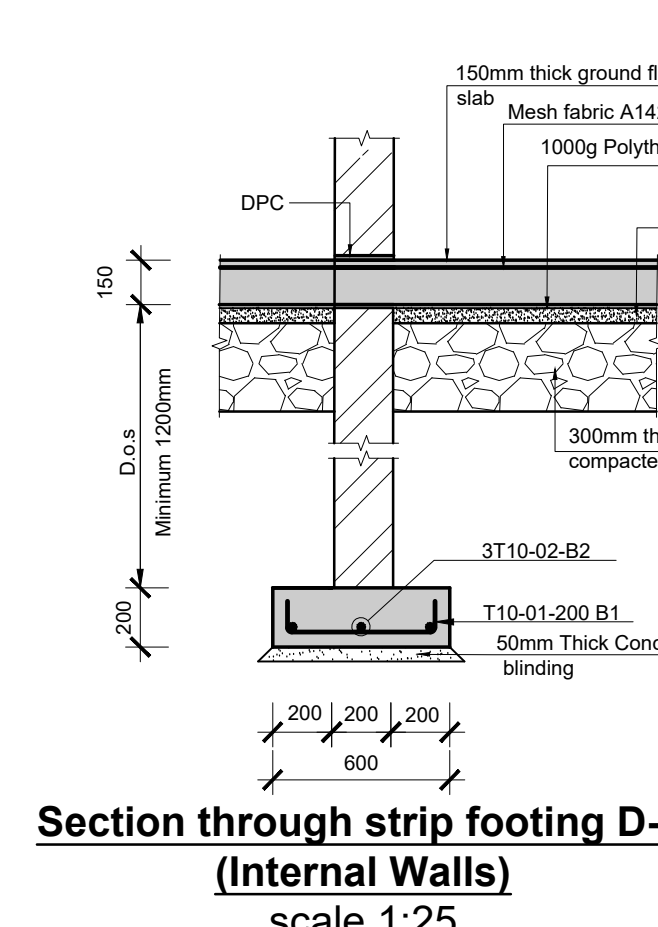
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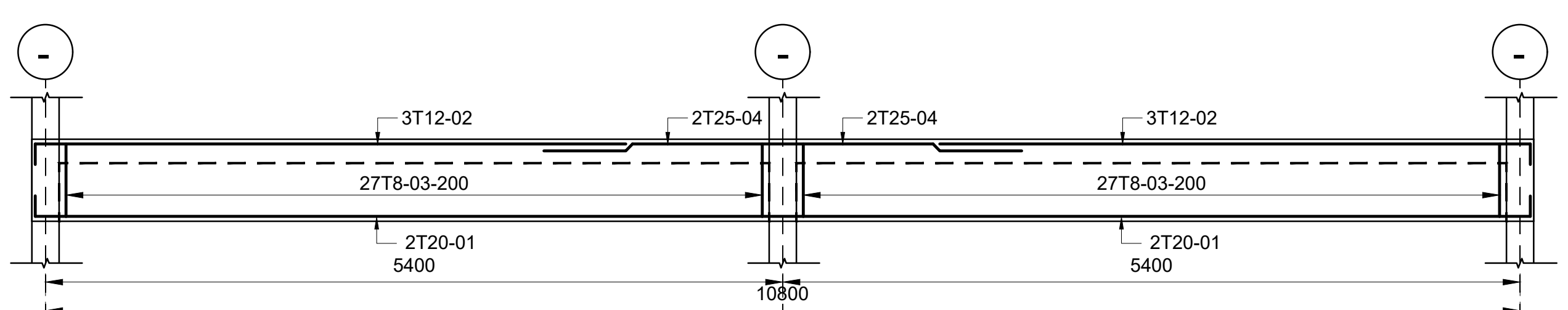
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(External Walls)
scale 1:25



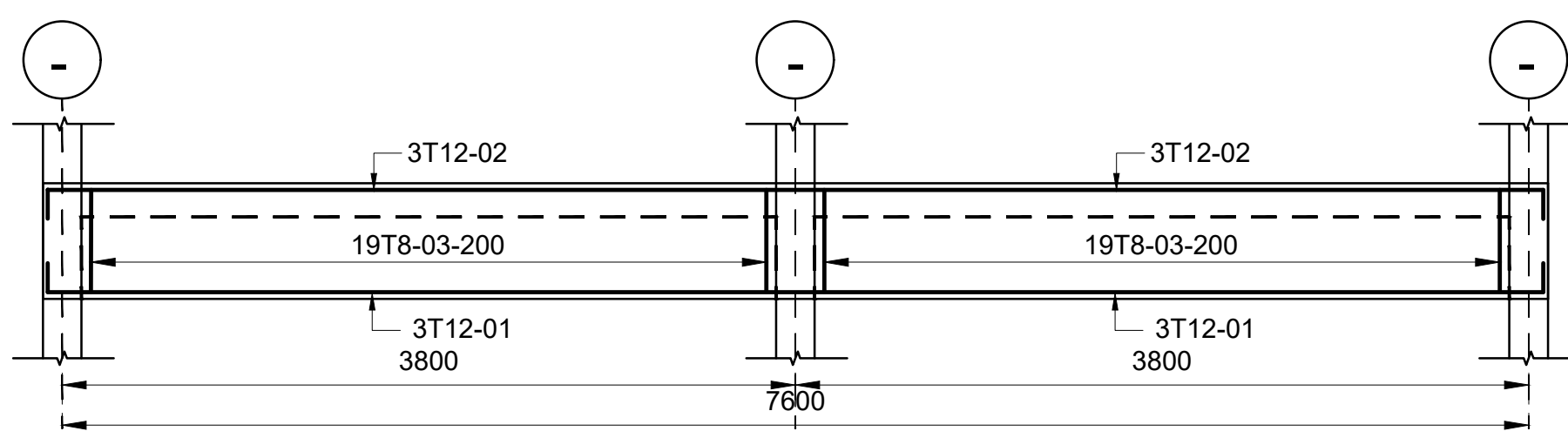
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scale 1:25



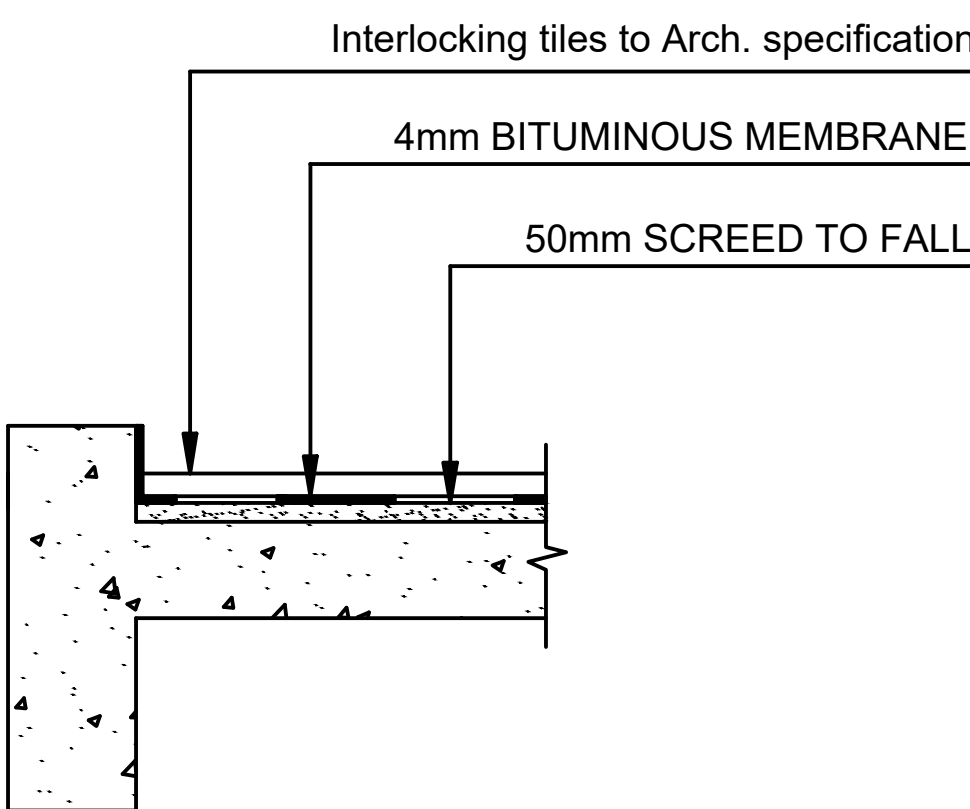
Section through strip footing D-D
(Internal Walls)
scale 1:25



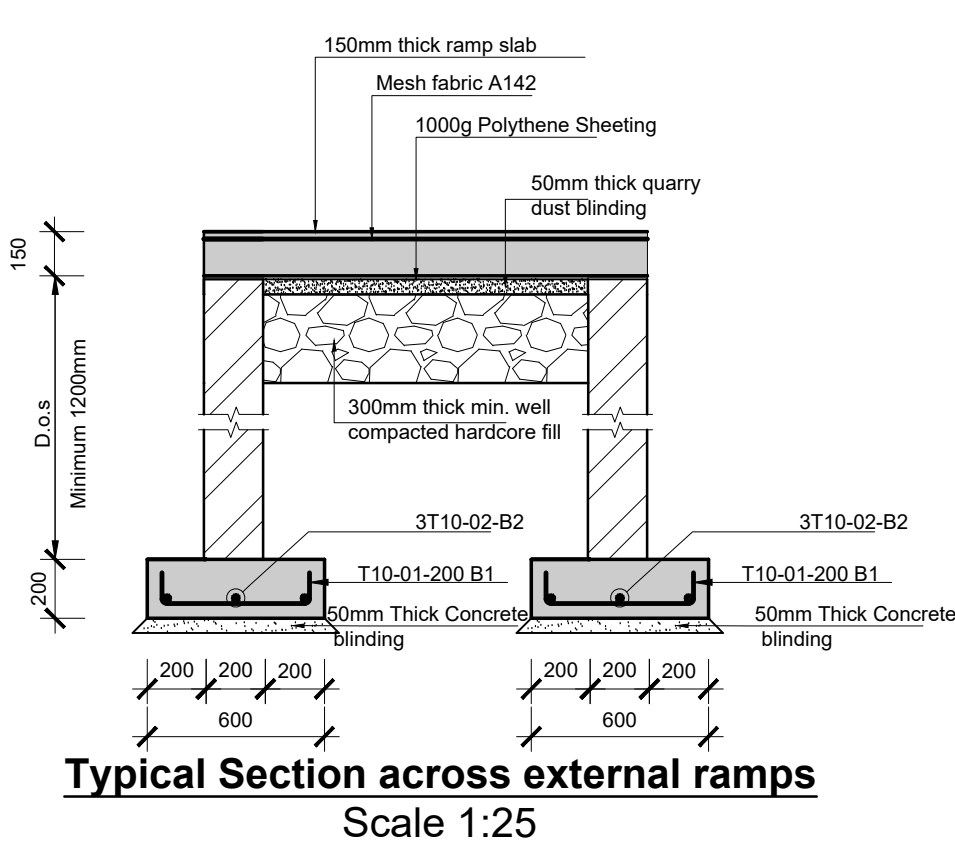
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(450x200)
SCALE 1:50



Beam 02
(450x200)
SCALE 1:50

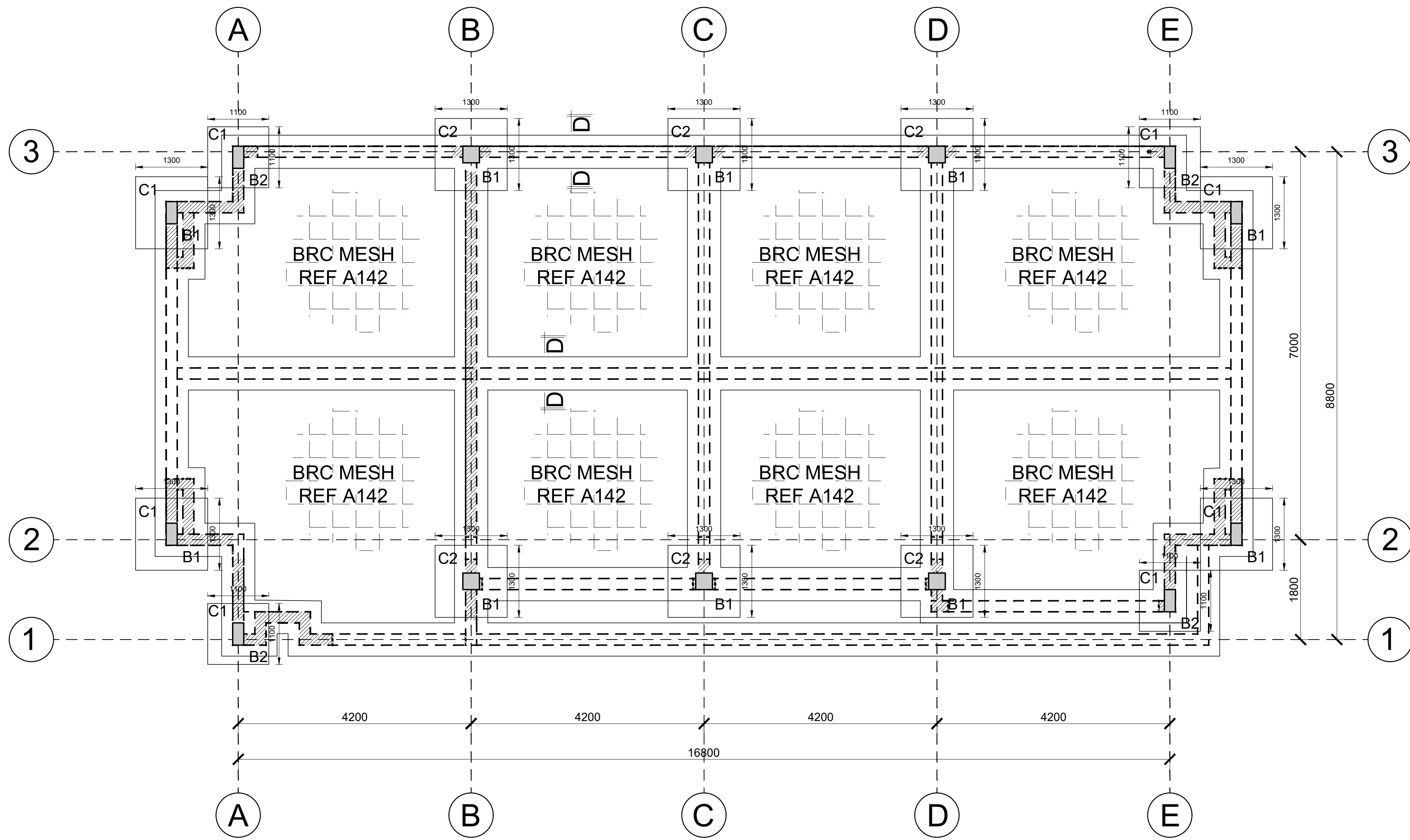


TYPICAL ROOF SLAB
W/POOFING DETAIL

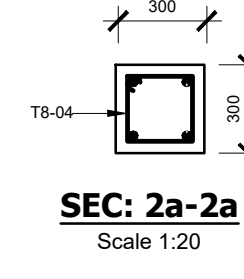
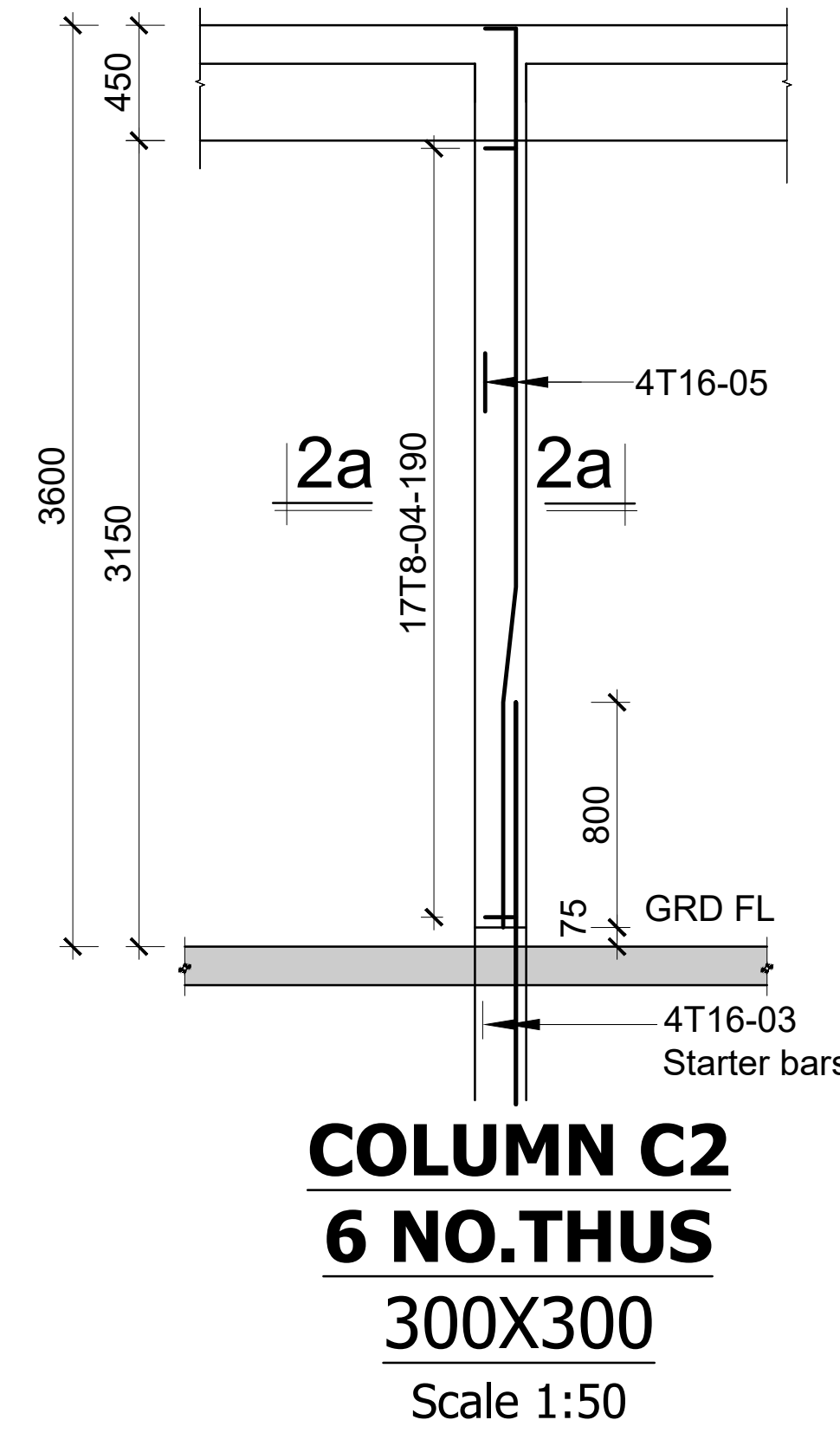
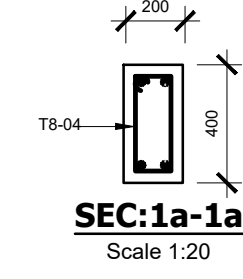
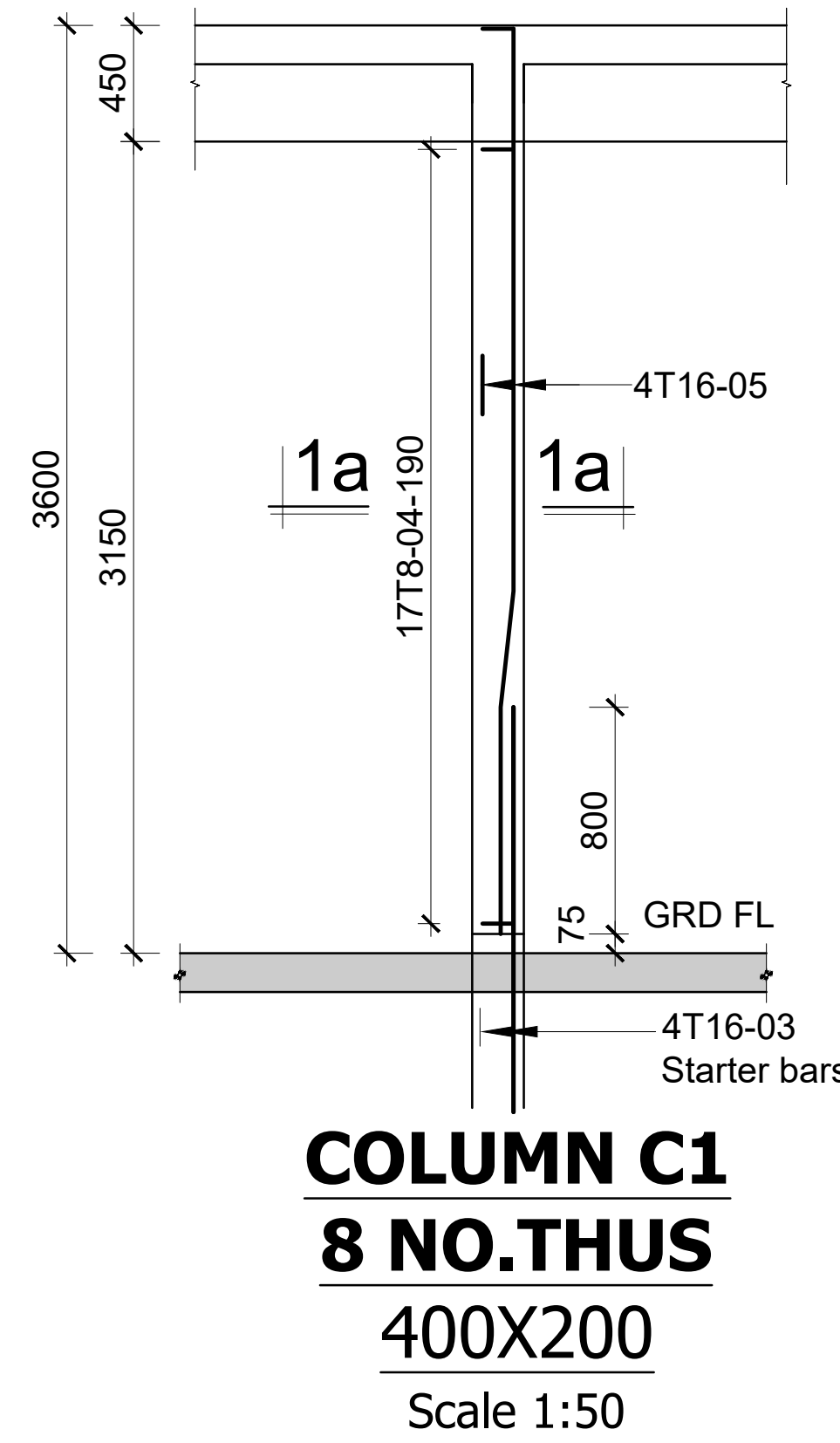
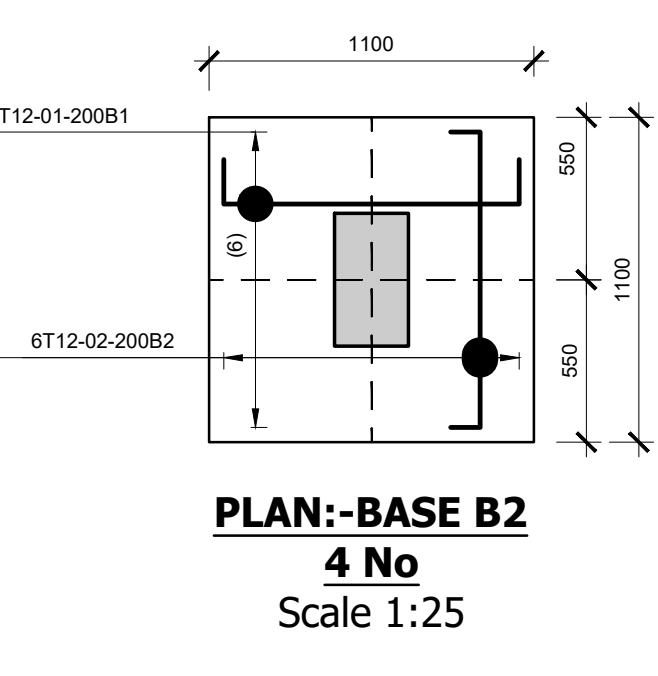
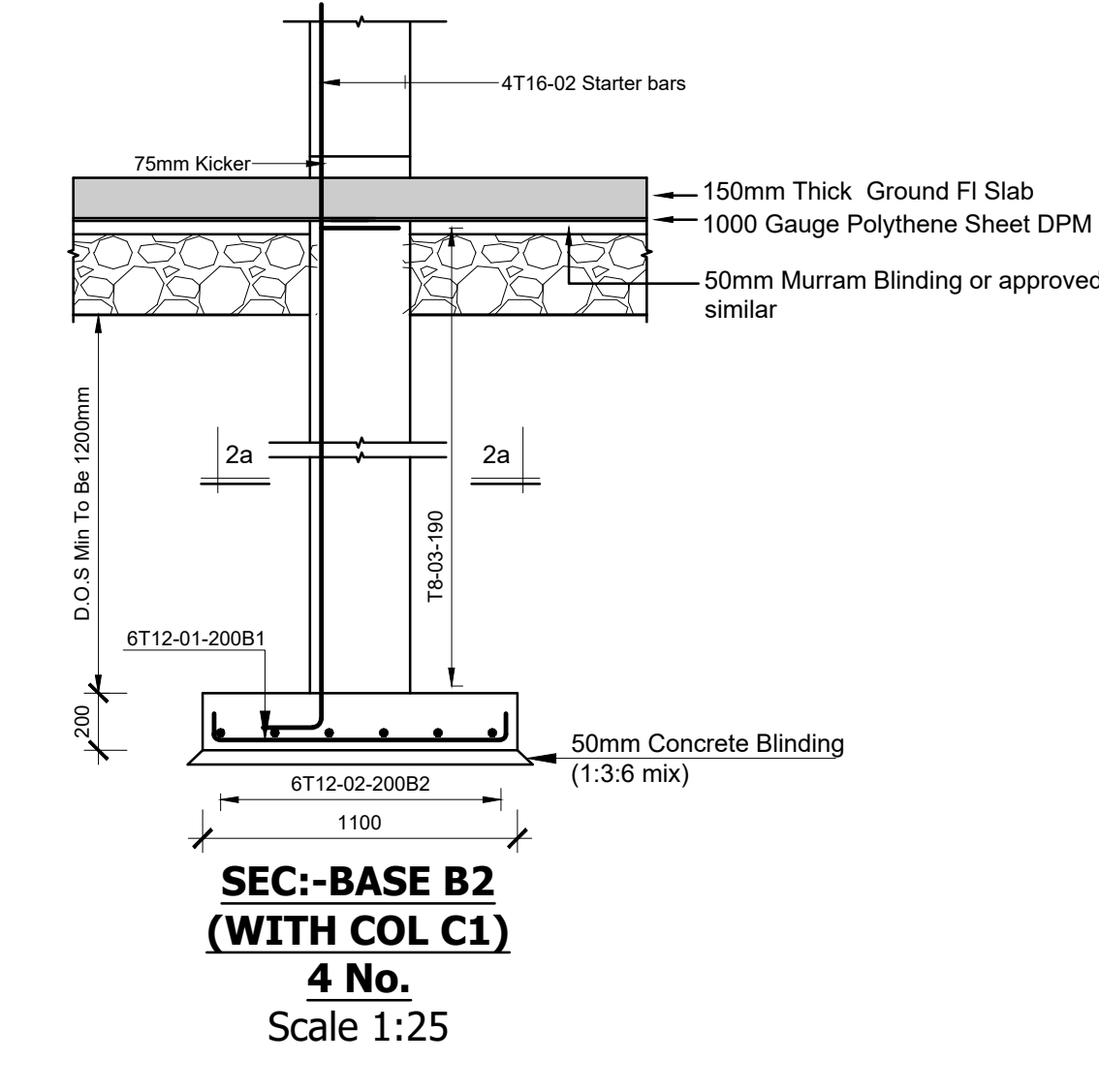
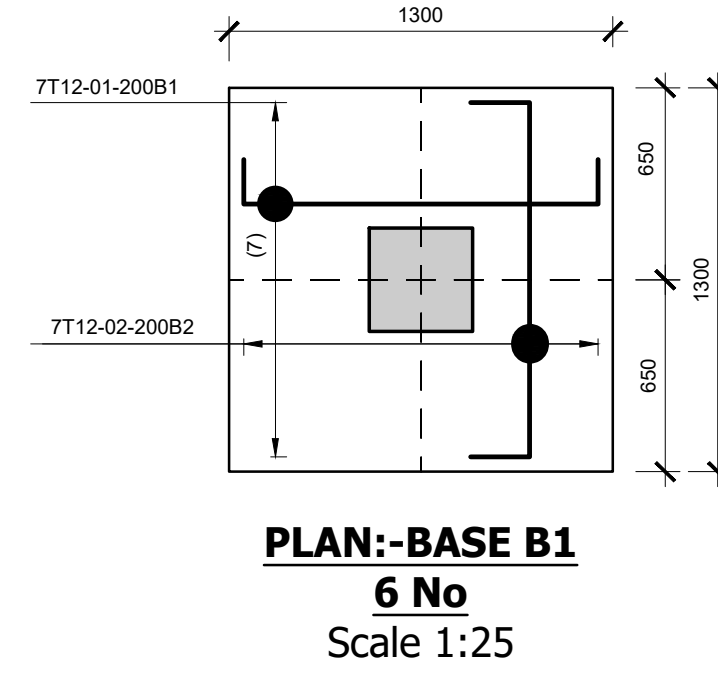
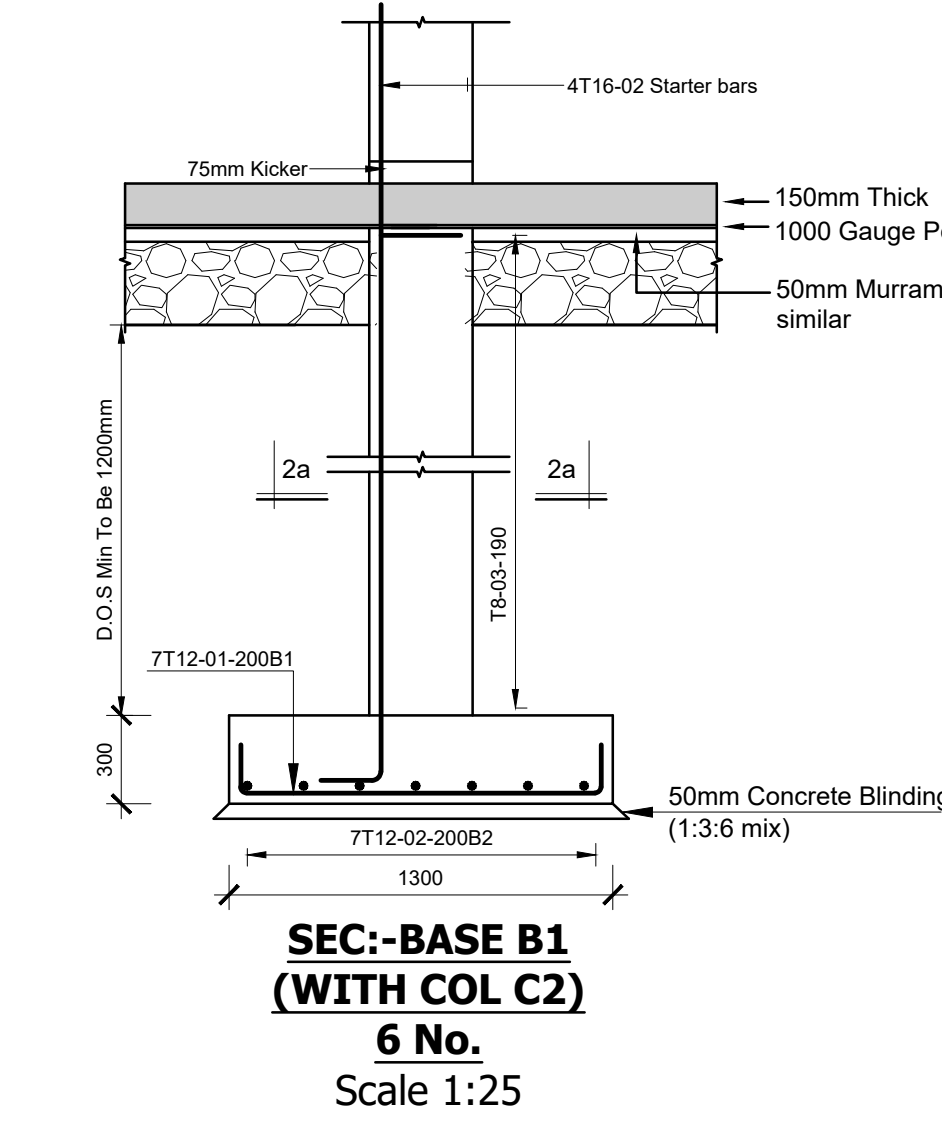
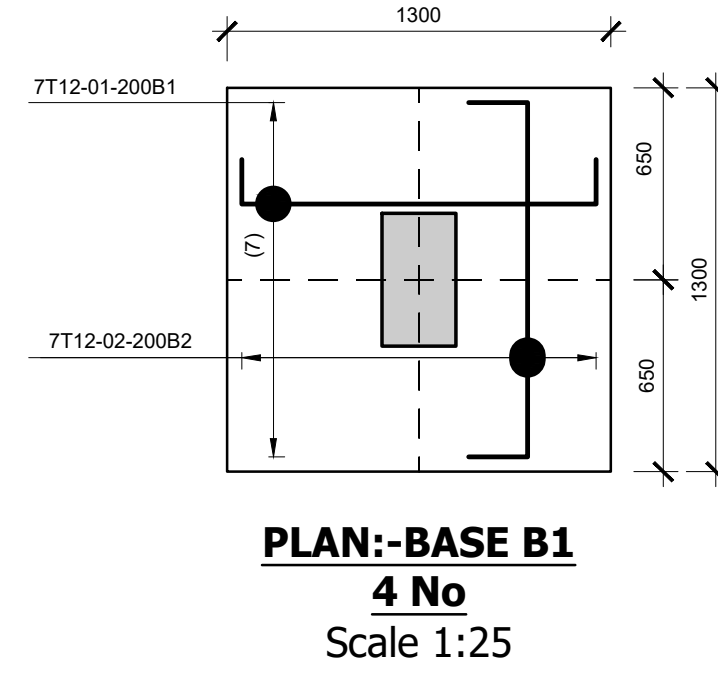
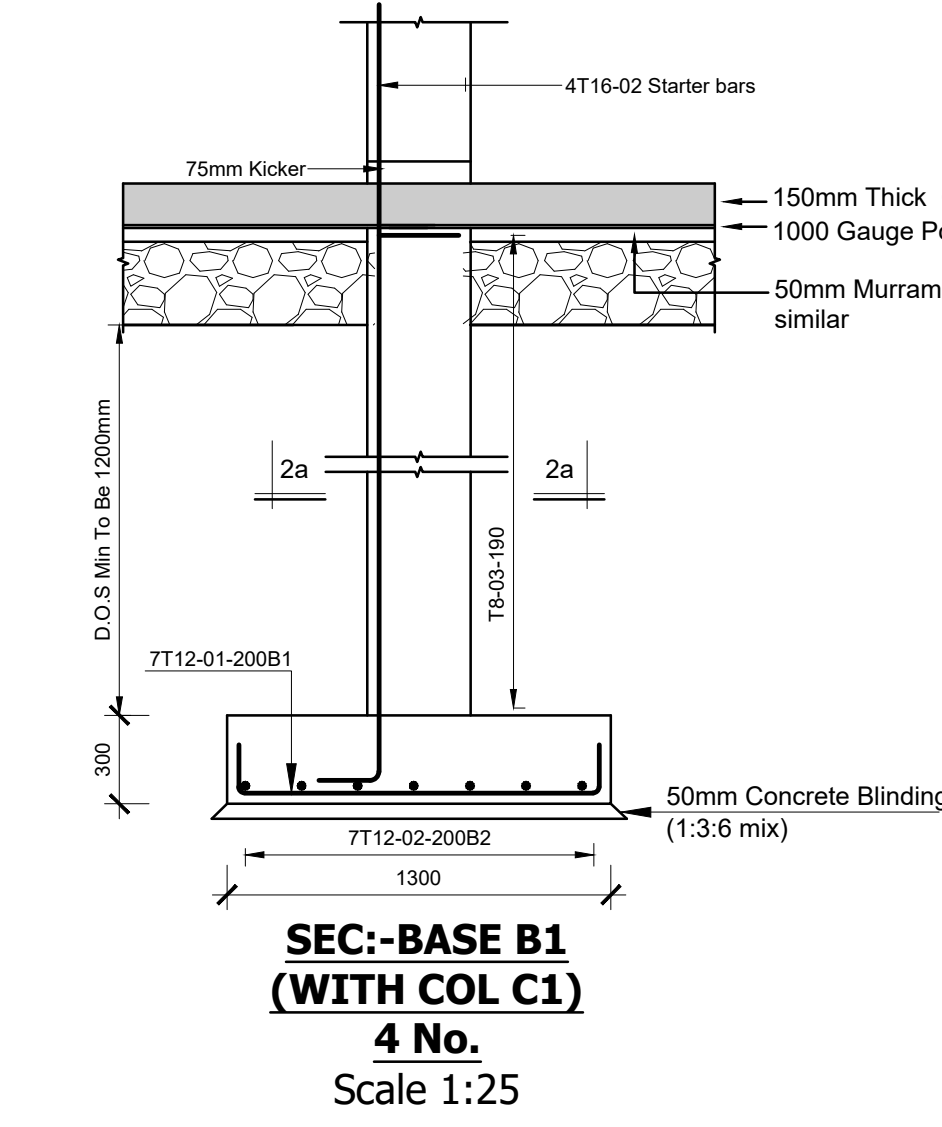
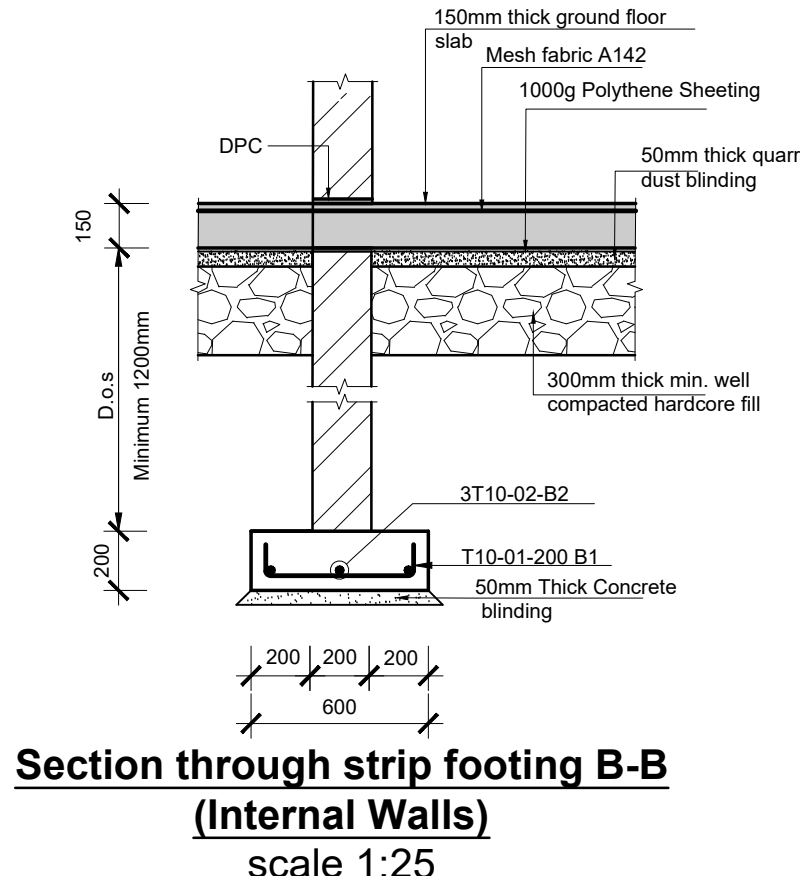
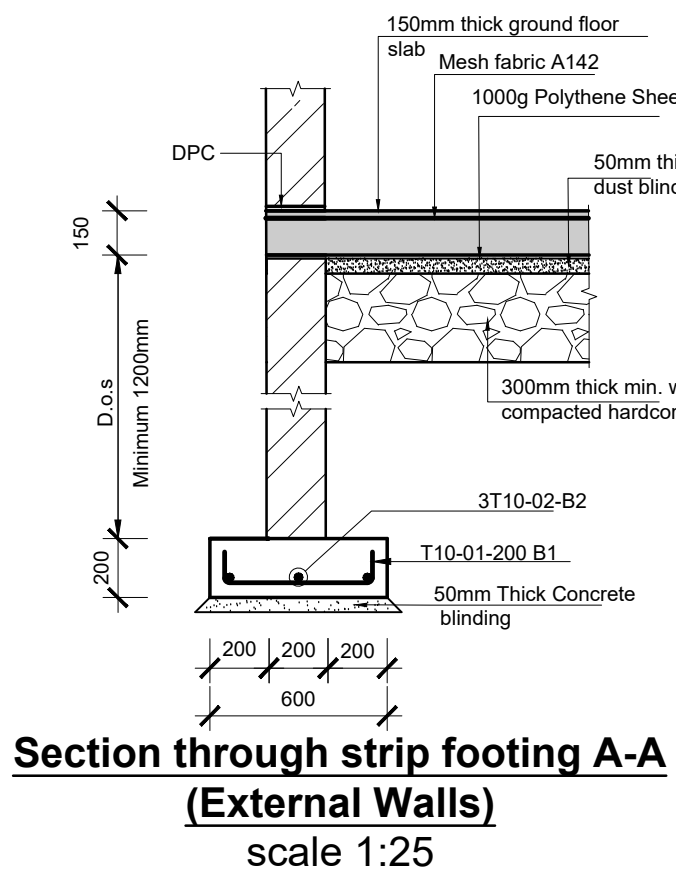


Typical Section across external ramps
Scale 1:25

PROPOSED KIPINI BOAT YARD STRUCTURAL DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	FOUNDATION AND GROUND FLOOR LAYOUT , COLUMNS AND BASES DETAILS
3	08-002S-003	ROOF SLAB LAYOUT AND REINFORCEMENT DETAILS AND BEAM DETAILS



FOUNDATION AND GROUND FLOOR LAYOUT
(SCALE 1:75)



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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 (KMFSD)
NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-
PROPOSED CONSTRUCTION OF KIPINI FISH LANDING SITE

DRAWING TITLE:-
BOAT YARD-FOUNDATION AND GROUND FLOOR LAYOUT, COLUMNS AND BASES DETAILS

NOTES

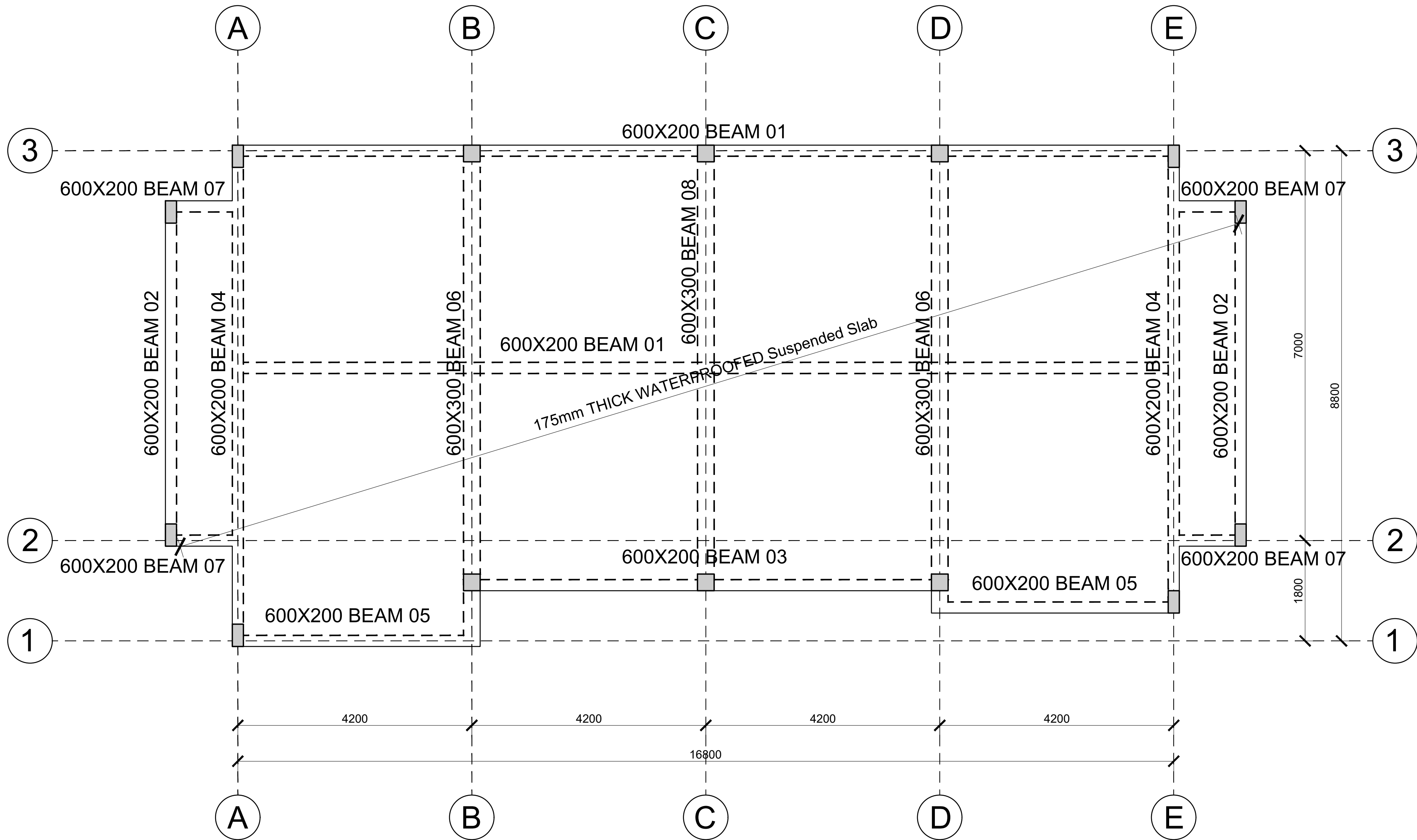
1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in mm unless specified otherwise.
4. Minimum cover to all reinforcement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

- Stairs, Slabs & Walls
Beams (main bars) = 35mm
Columns (main bars) = 40mm
Foundations = 75mm
- 5. Maximum tolerance on concrete cover (a) +/- 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 4443.
- 7. Minimum laps to all bars to be 500 unless stated otherwise.

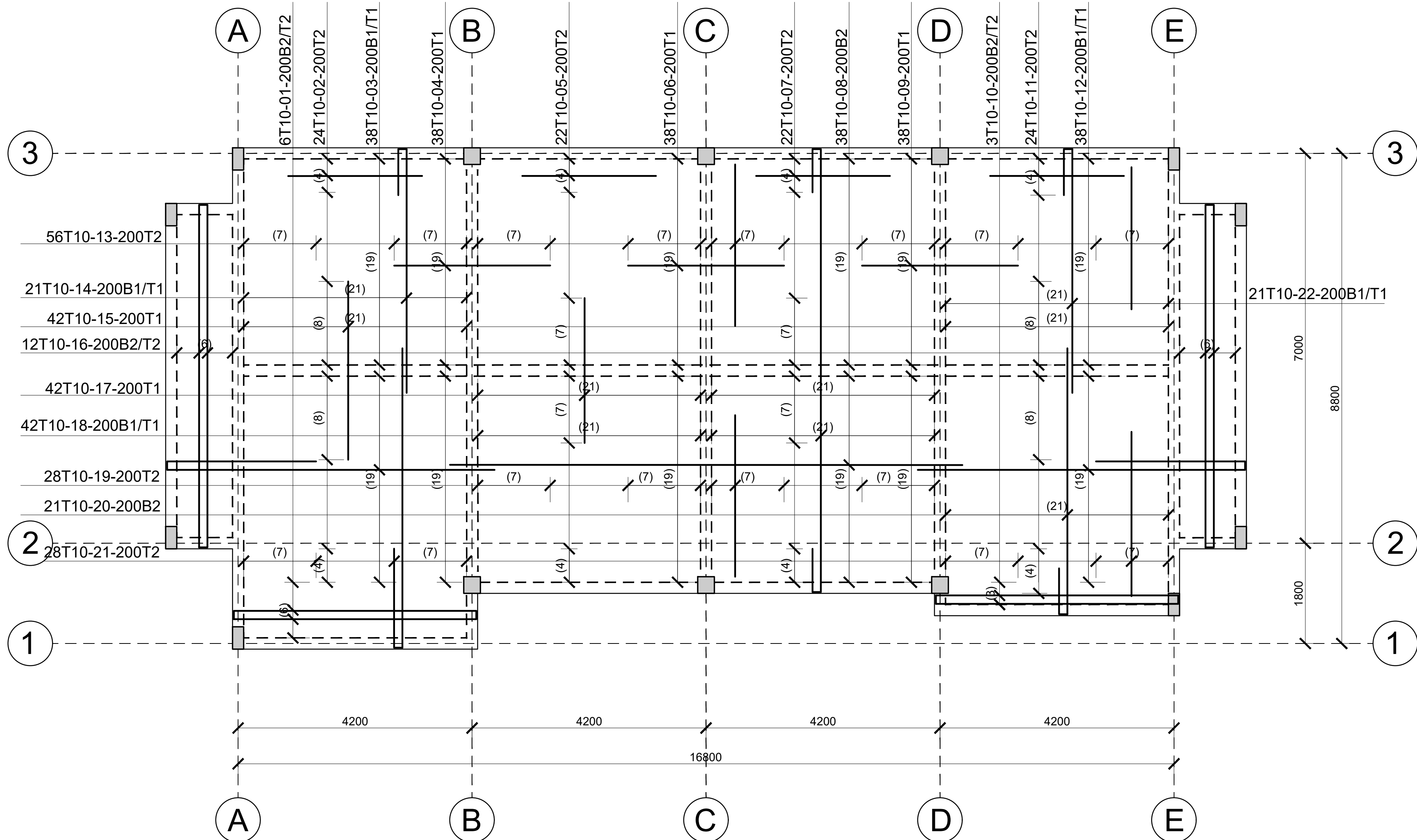
8. Safe Bearing Pressure taken to be 200 KN/m².
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Masonry Strength to be 7.0 N/mm².

Designed by	BMN	Rev	Description	By	Date
Drawn by	BMN	C			
Checked by	H.O.H.	B			
Scale	AS SHOWN	A			

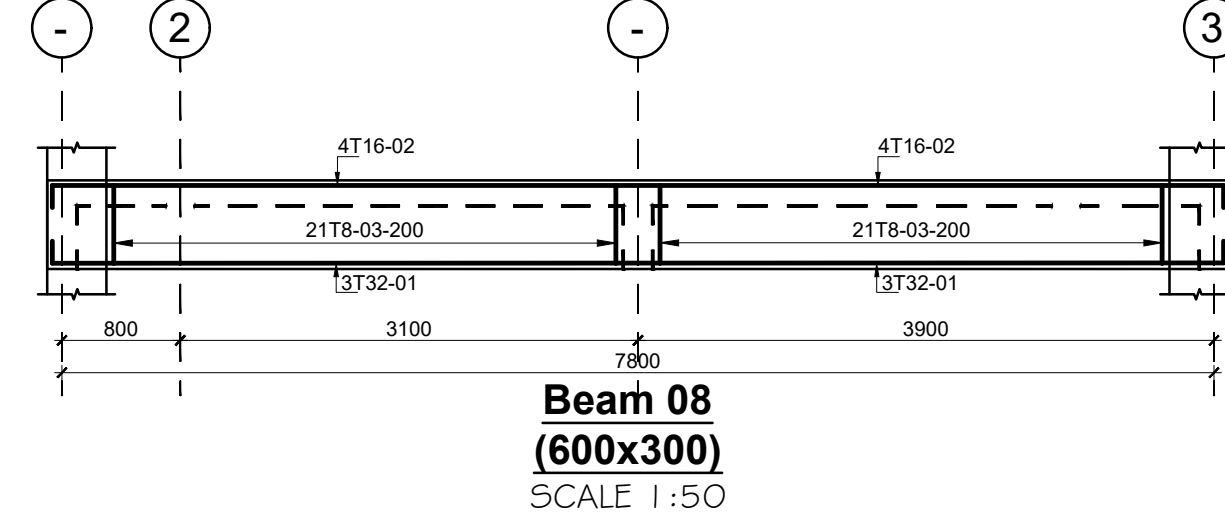
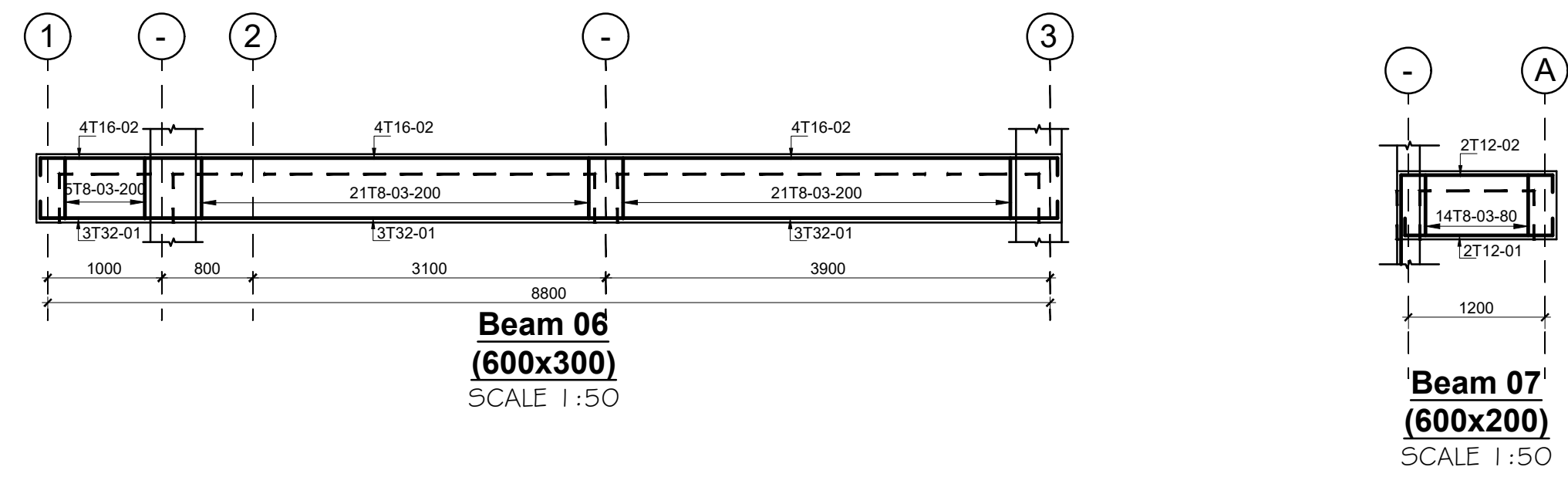
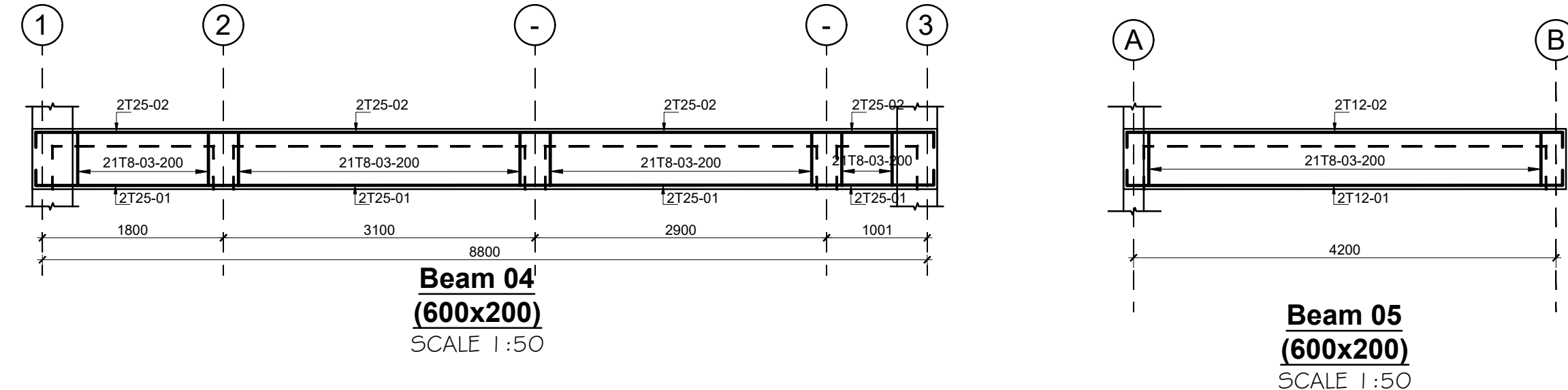
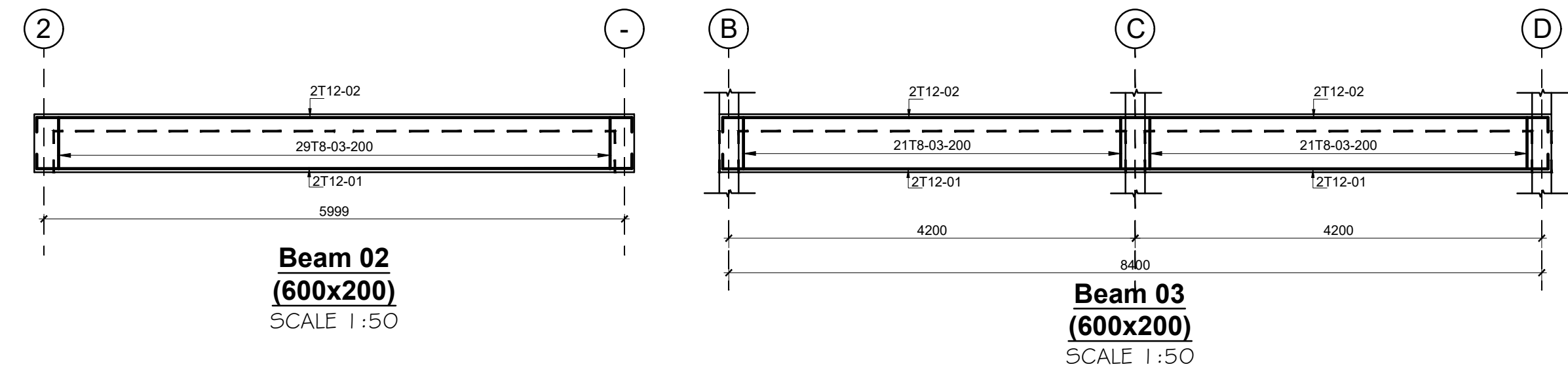
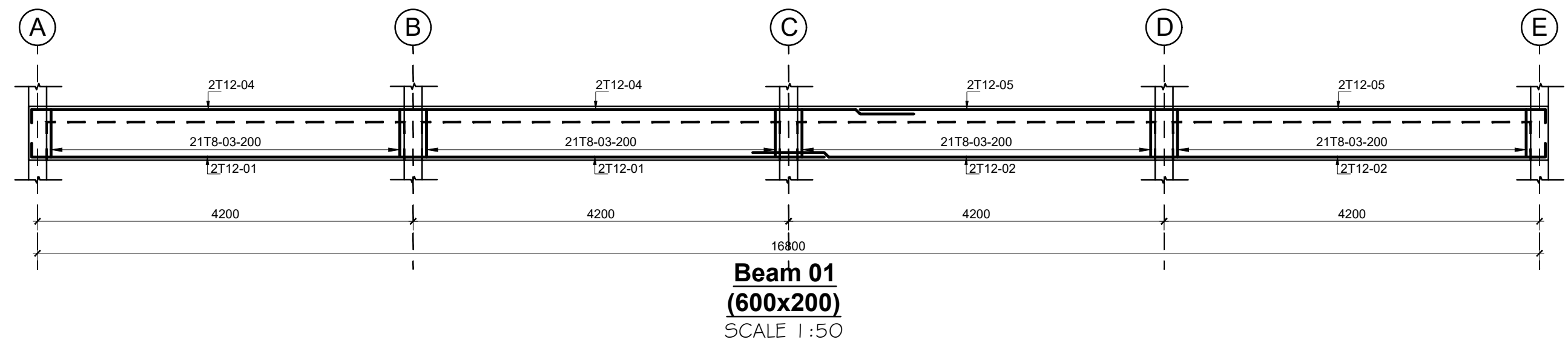
DRAWING NO: 08-002S-002



ROOF SLAB LAYOUT
(SCALE 1:75)



ROOF SLAB RC DETAILS
(SCALE 1:75)



PROPOSED KIPINI FISH LANDING SITE CIVIL WORKS DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	SITE LAYOUT
3	08-002S-003	ROAD SECTION AND DRAINAGE DETAILS
4	08-002S-004	INSPECTION CHAMBER DETAILS
5	08-002S-005	SOAKAGE TRENCH DETAILS
6	08-002S-006	BIO-DIGESTER LAYOUT
7	08-002S-007	BIO-DIGESTER REINFORCEMENT DETAILS
8	08-002S-008	GATE HOUSE
9	08-002S-009	BOUNDARY WALL DETAILS



CONSULTANT:-
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*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 CONSTRUCTION OF KIPINI FISH LANDING SITE

DRAWING TITLE:-
CIVIL WORKS-SITE LAYOUT

NOTES

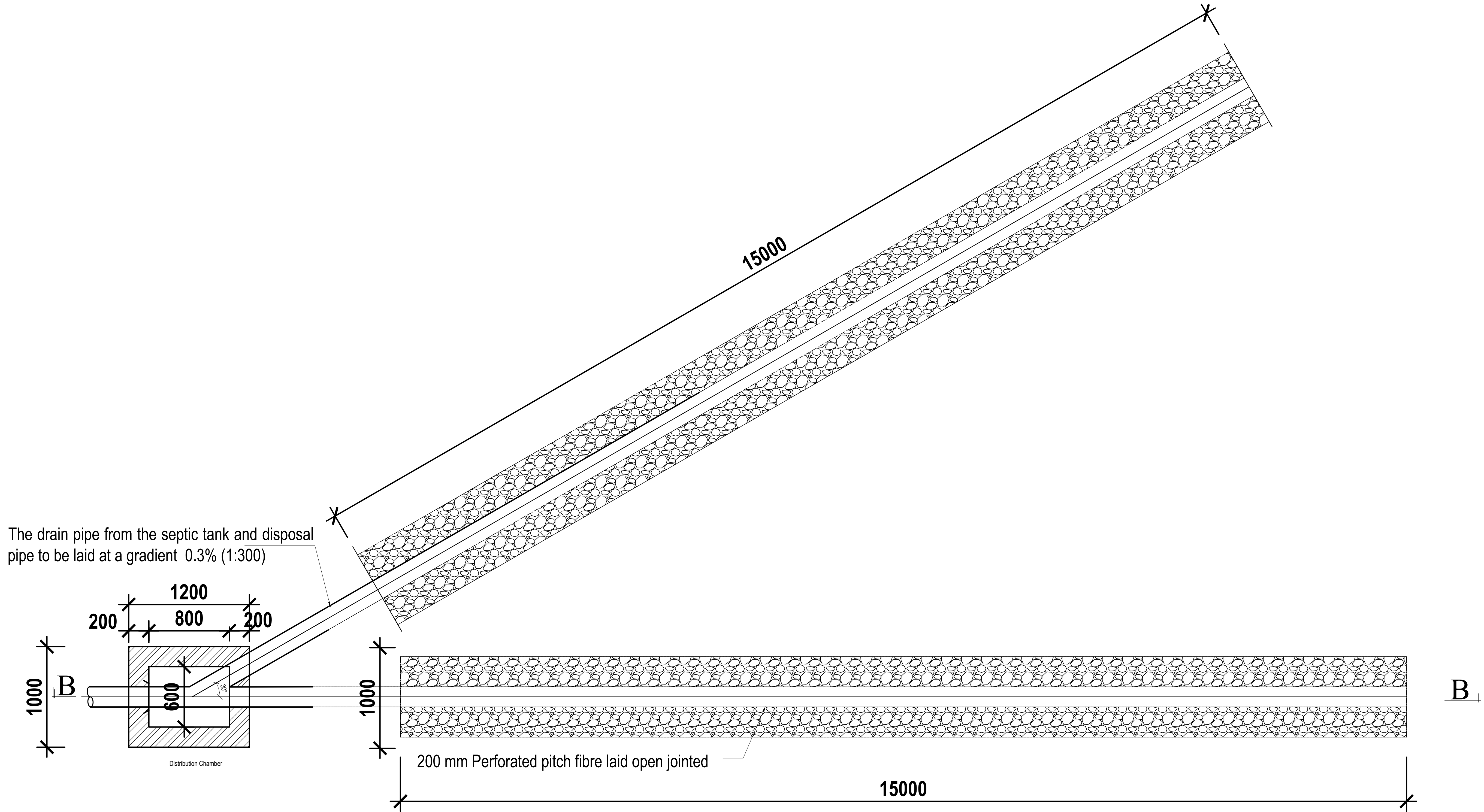
1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in mm unless specified otherwise.
4. Minimum cover to all reinforcement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

- | | |
|-----------------------|--------|
| Stairs, Slabs & Walls | = 35mm |
| Beams (main bars) | = 35mm |
| Columns (main bars) | = 40mm |
| Foundations | = 75mm |
- Maximum tolerance on concrete cover is ± 7 mm.
 - 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.

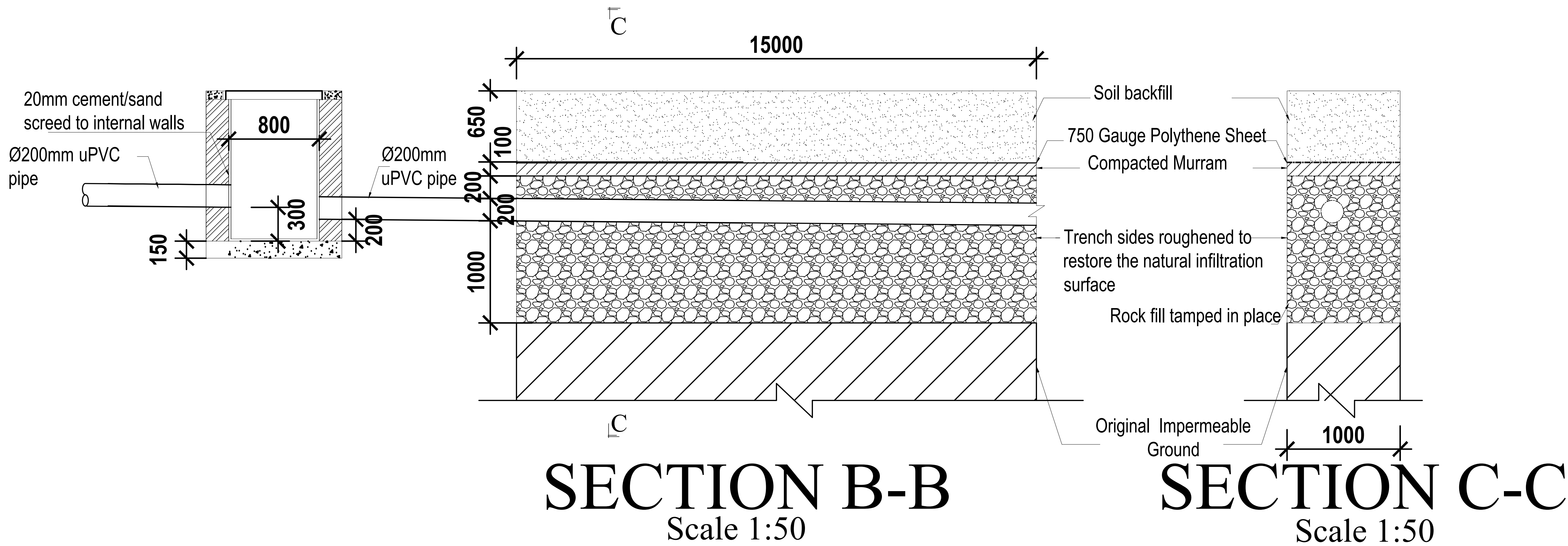
8. Safe Bearing Pressure taken to be 200 KN/m².
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Masonry Strength to be 7.0 N/mm².

Designed by	BMN	Rev	Description	By	Date
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Checked by	H.O.H.	C			
Scale	AS SHOWN	B			
		A			

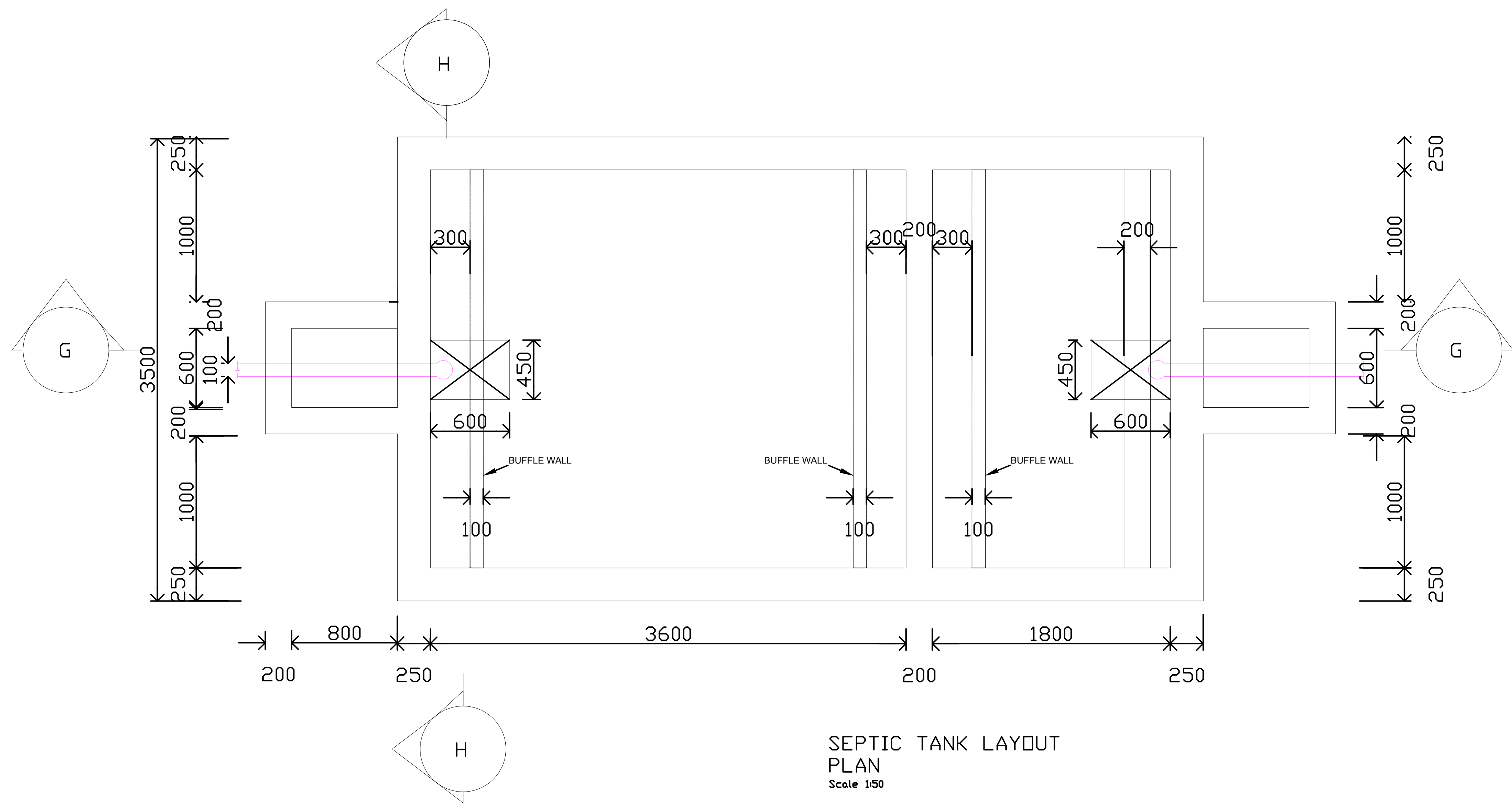
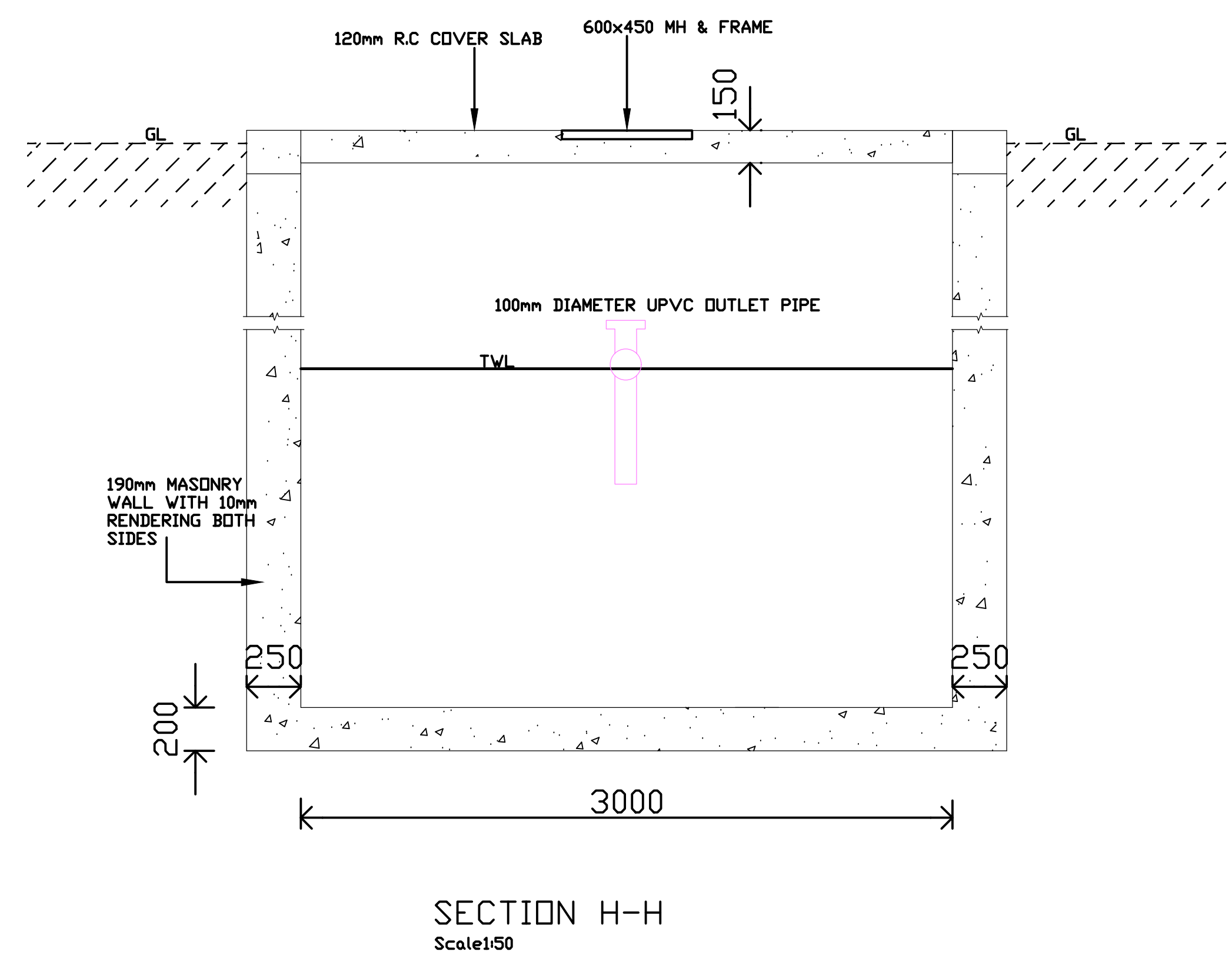
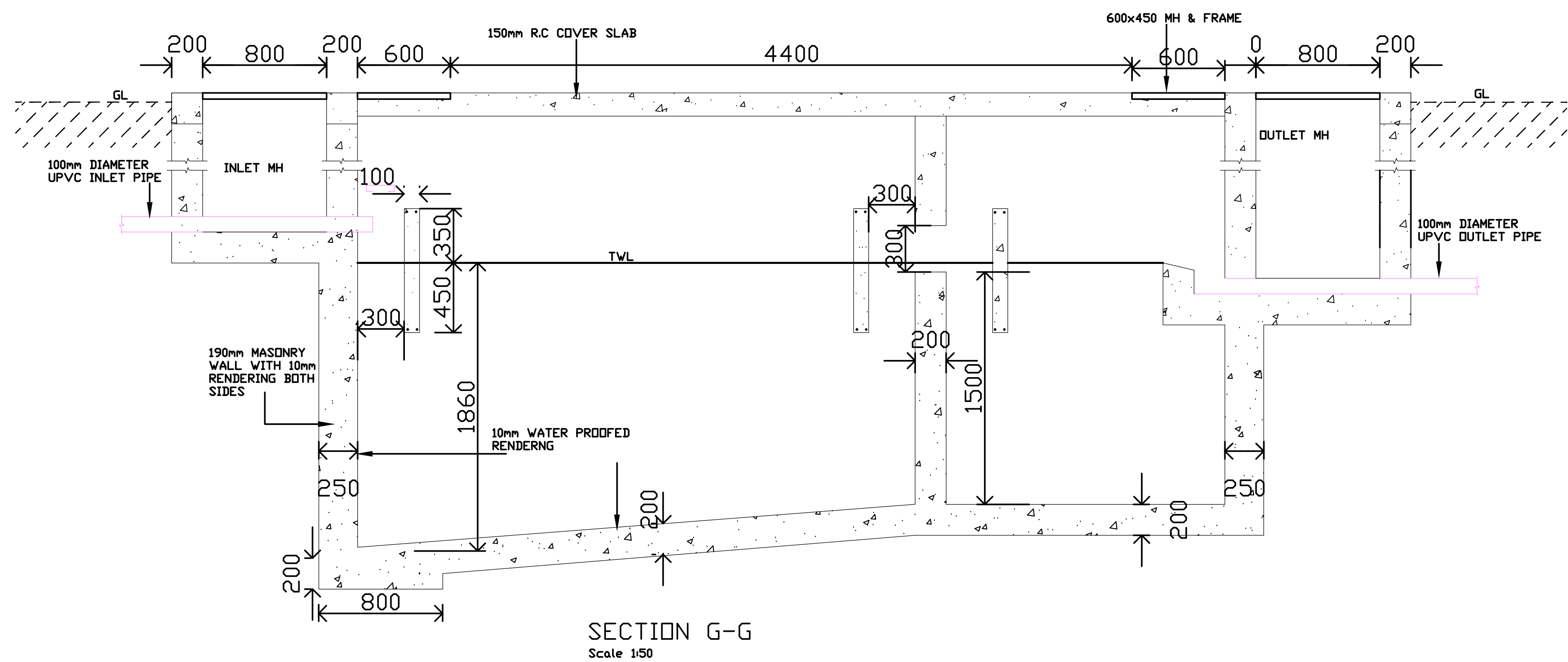
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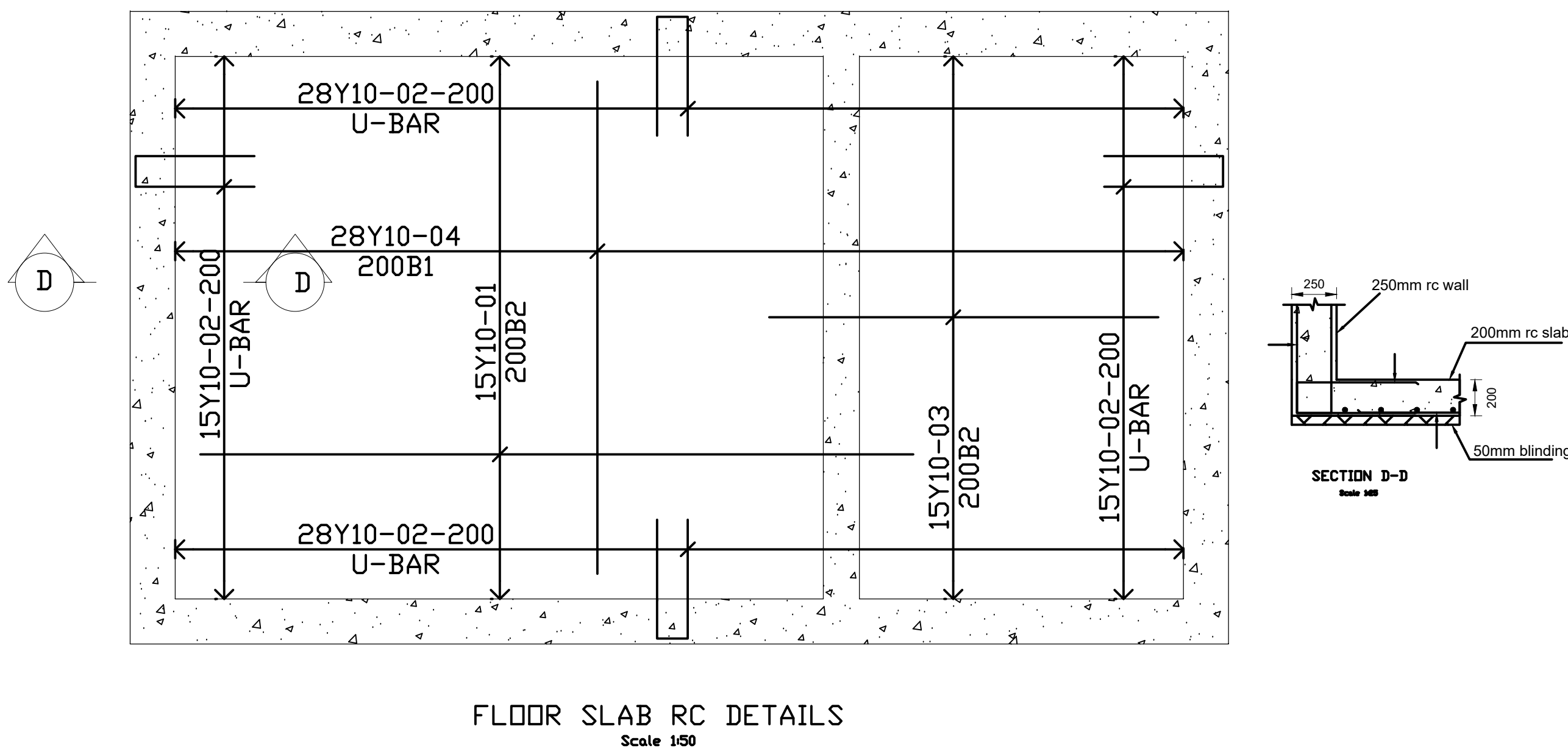
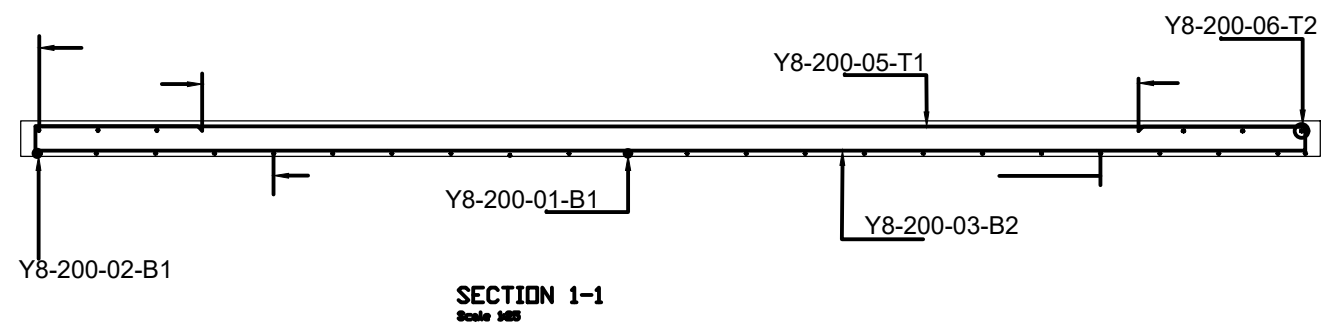
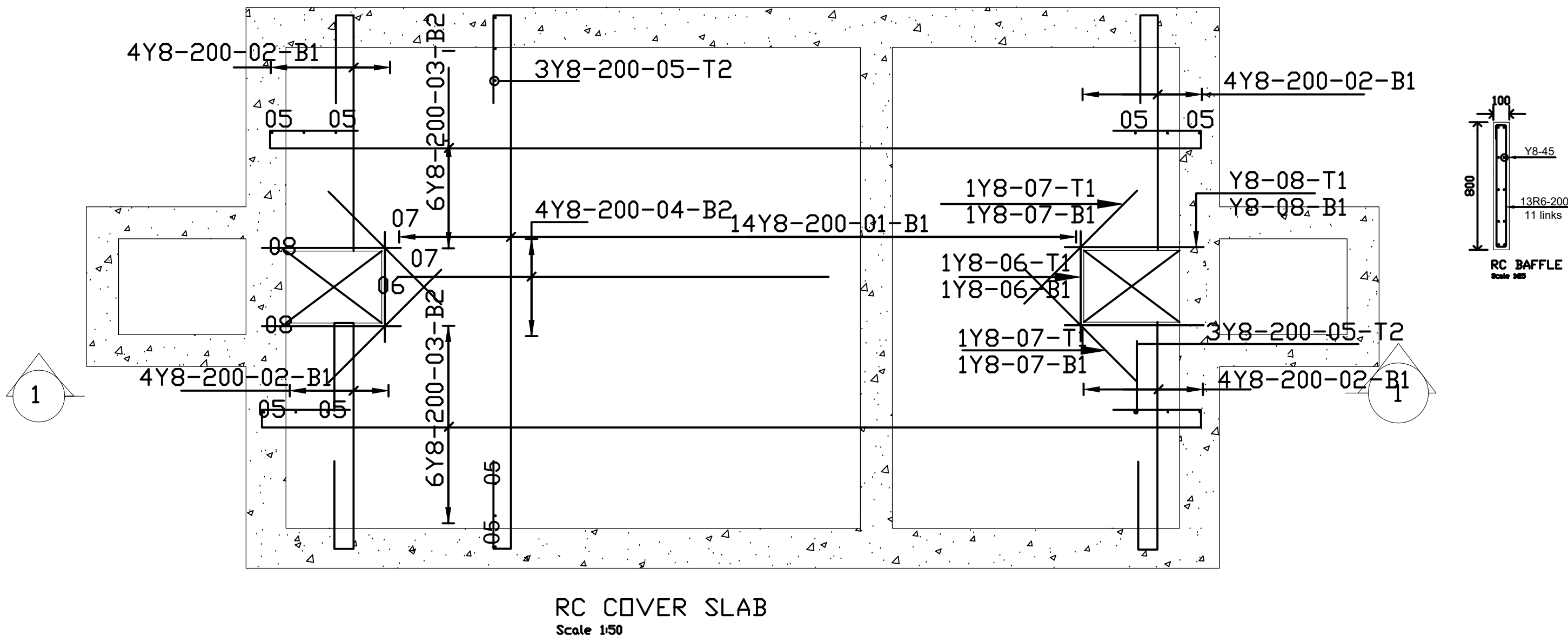
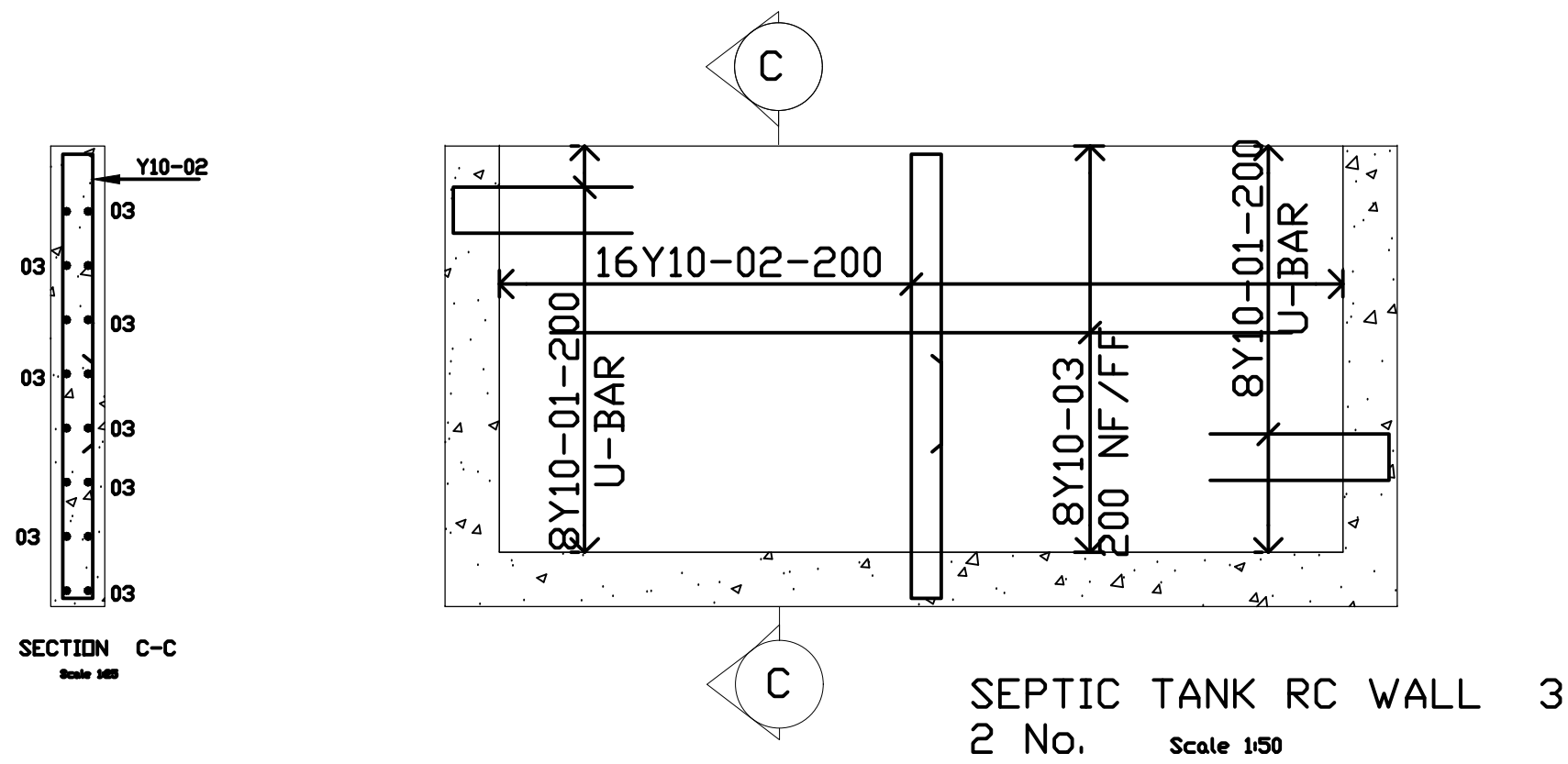
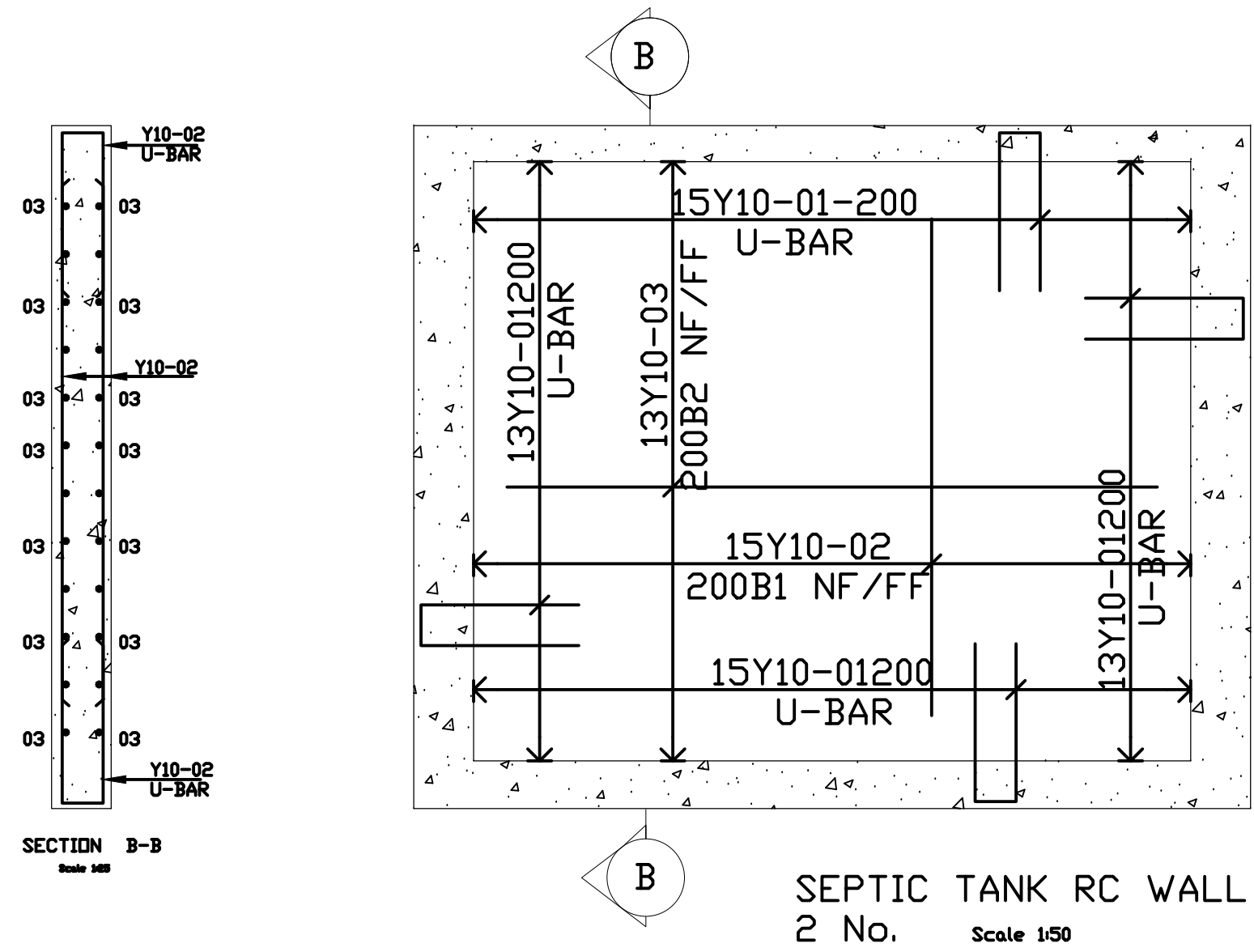
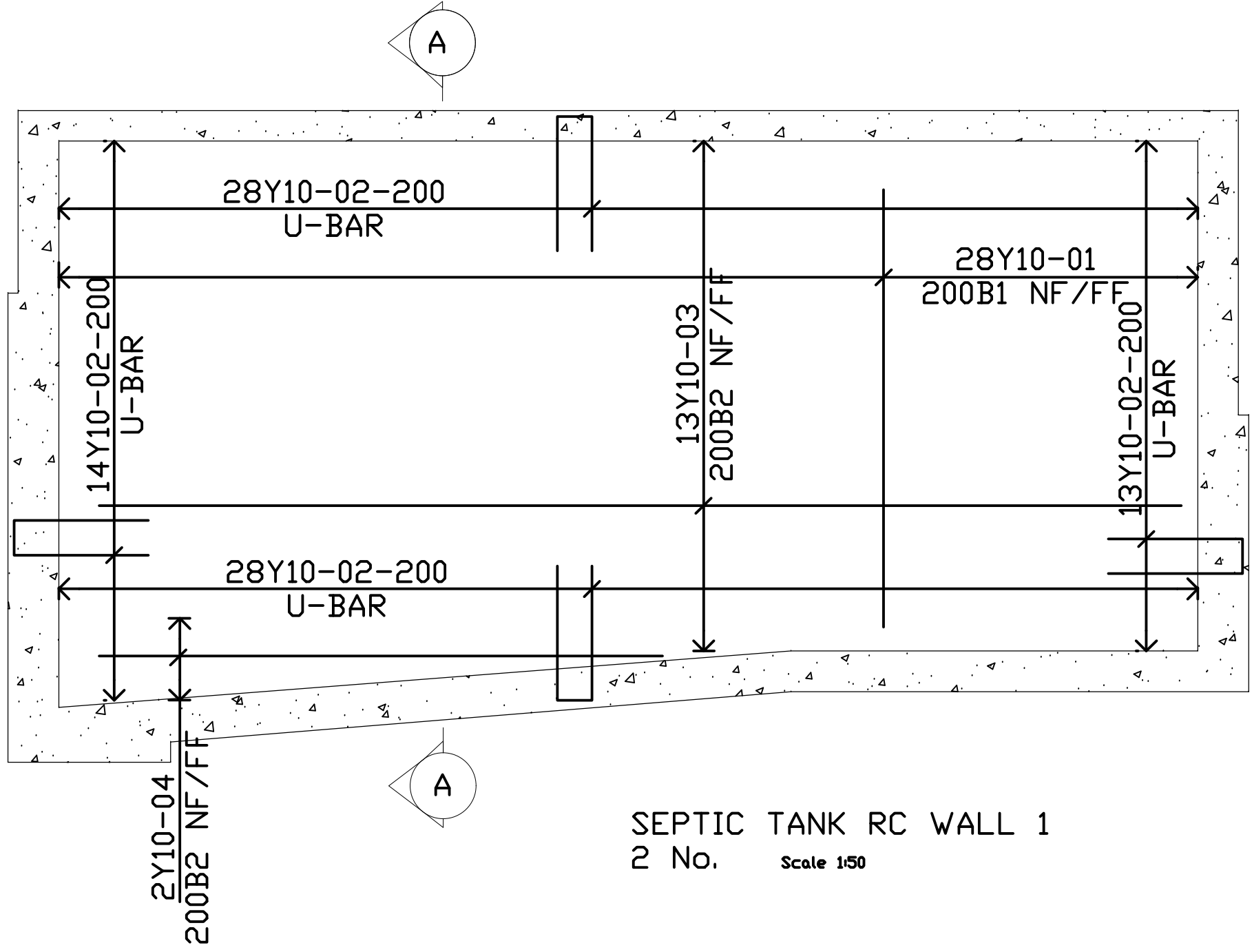
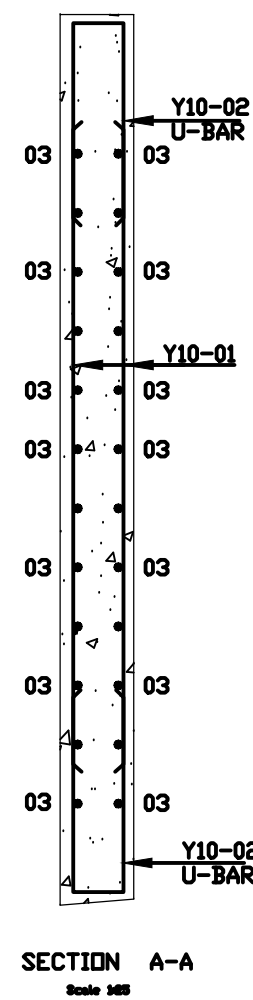


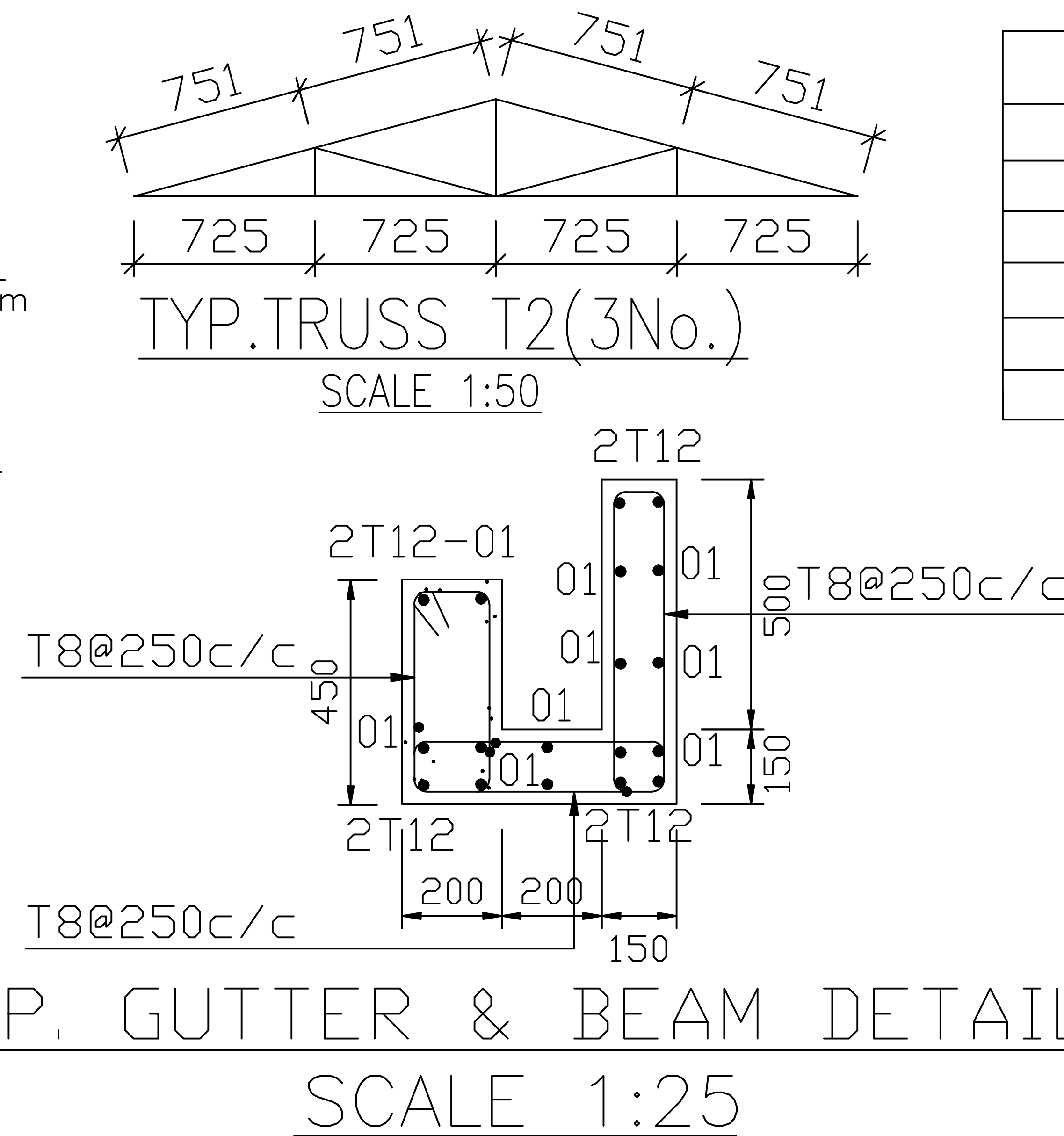
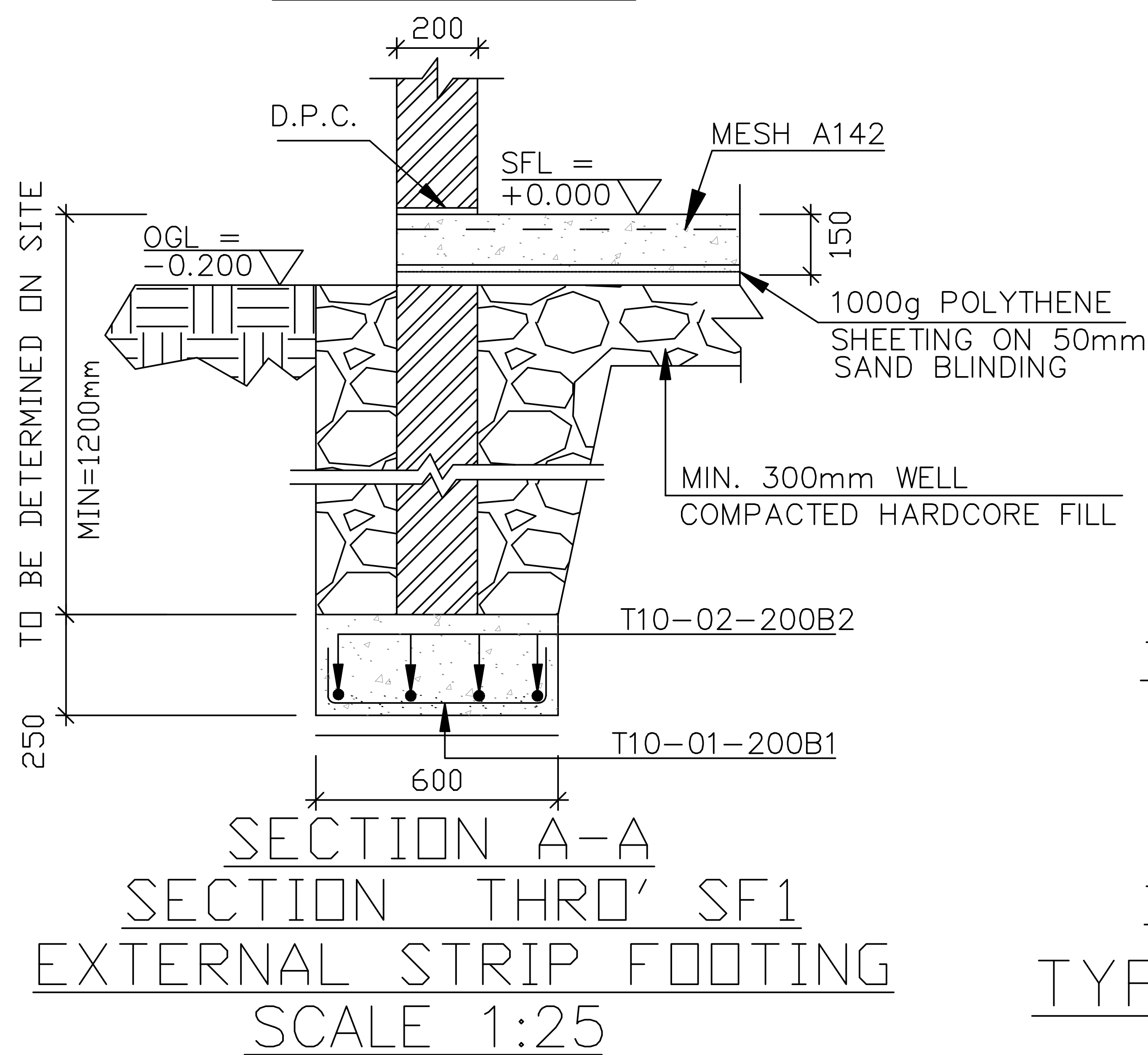
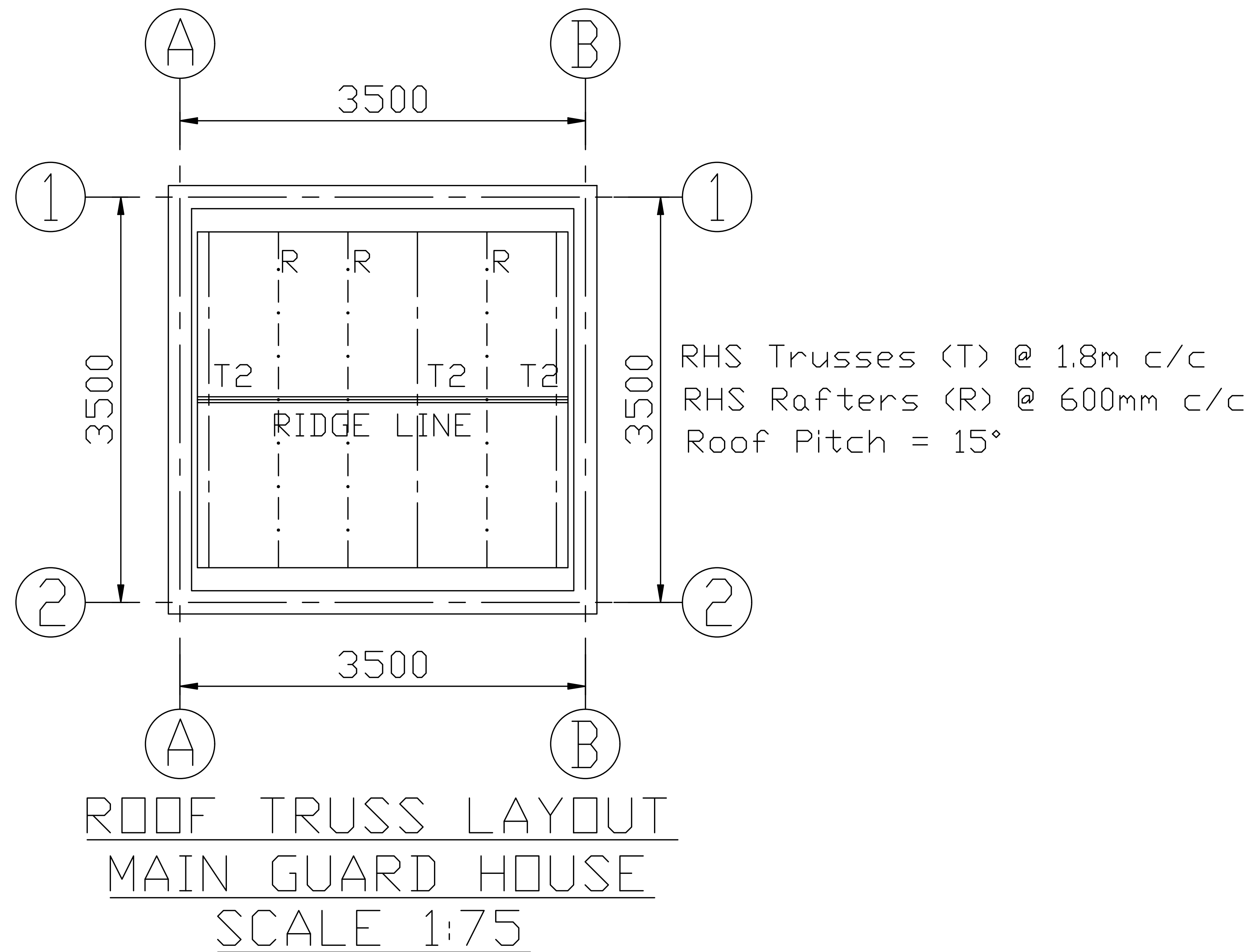
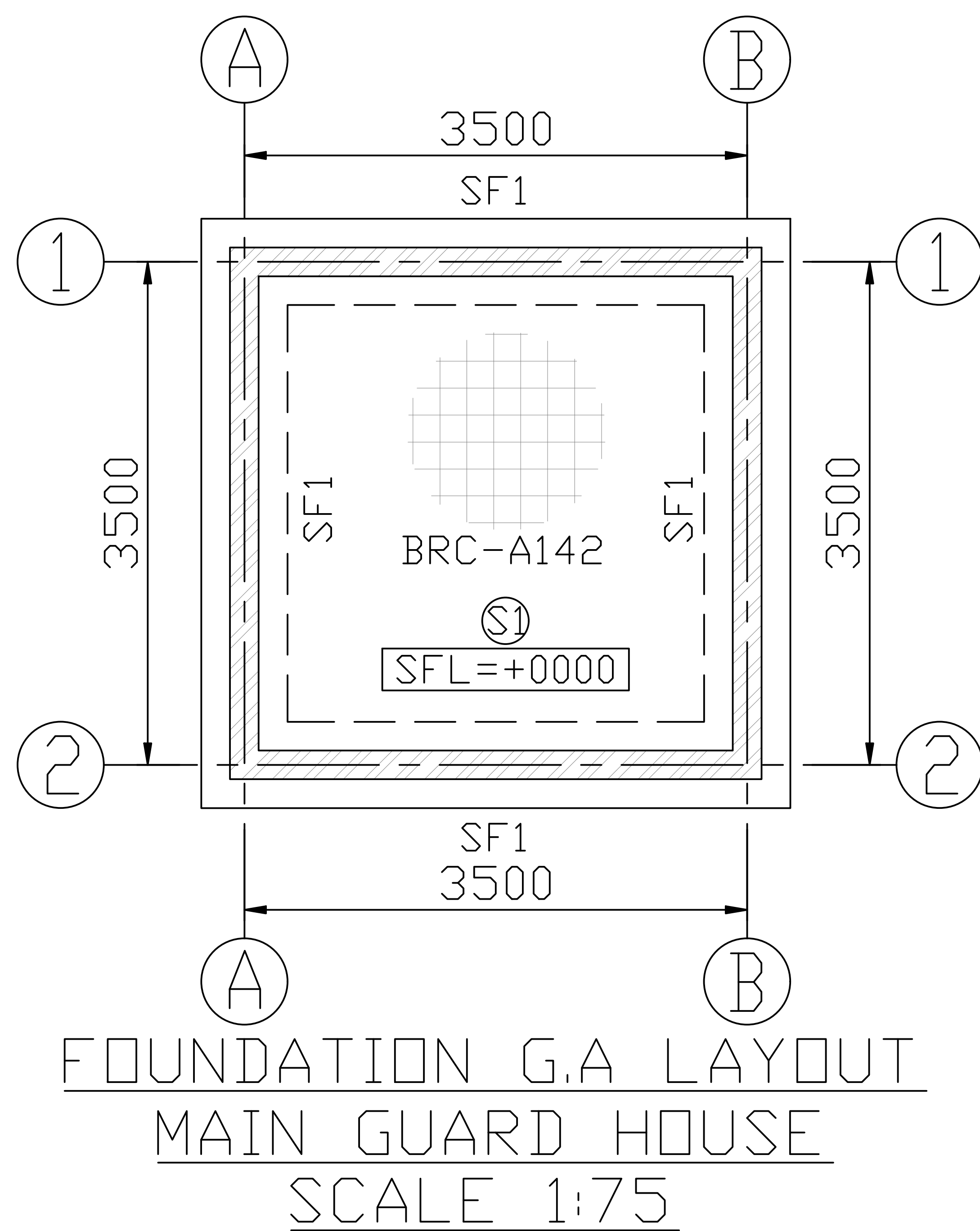
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Scale 1:25



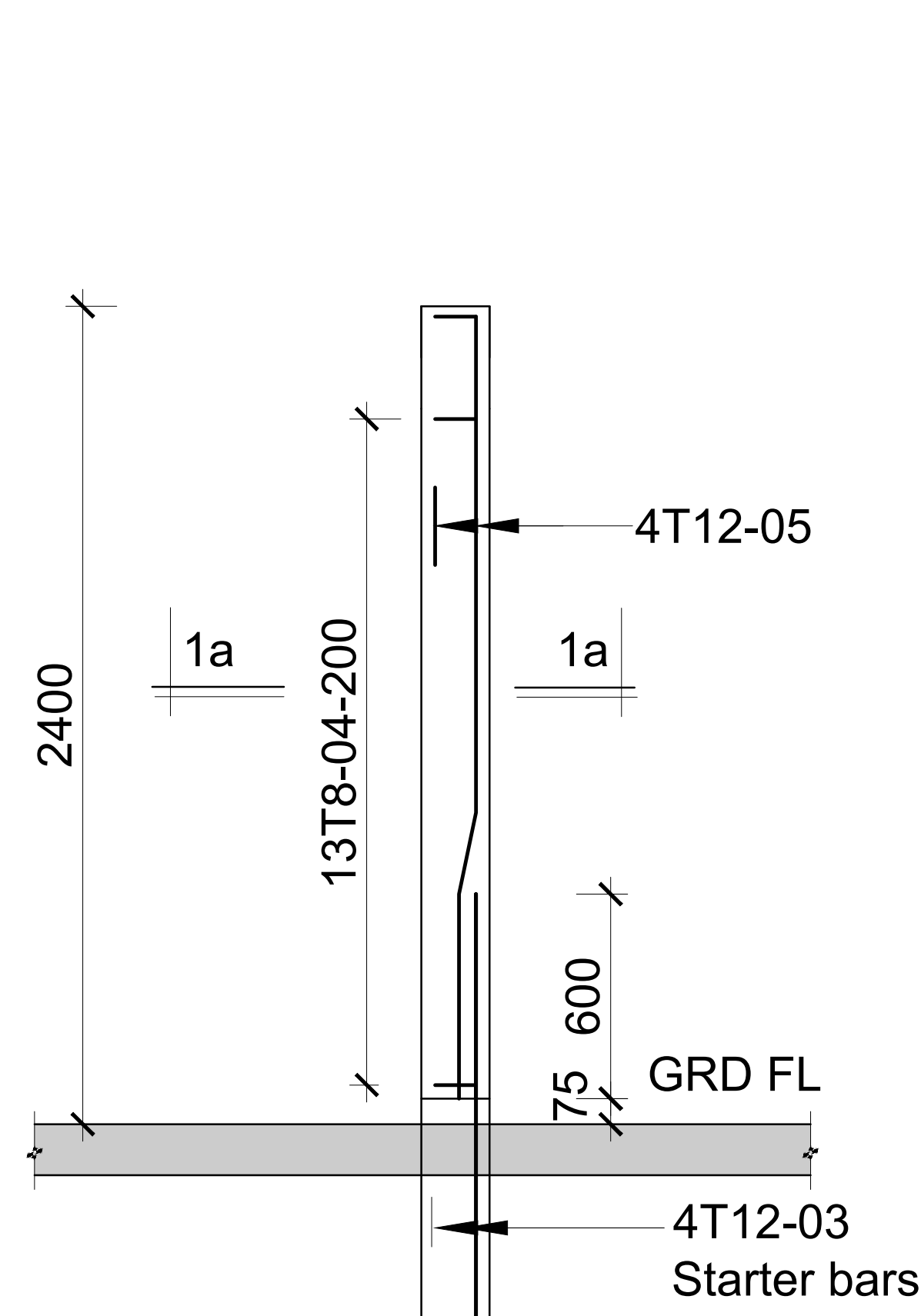
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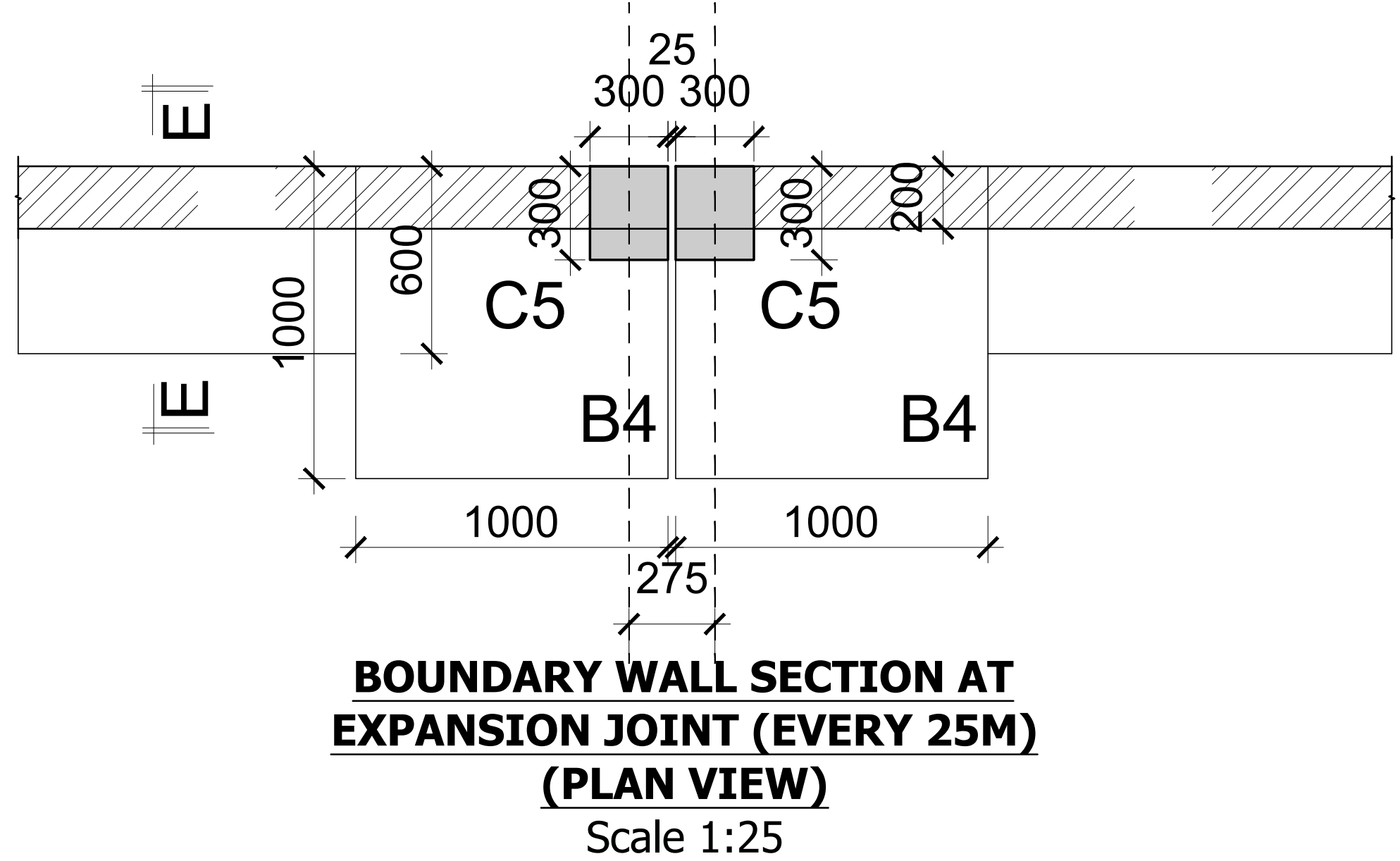
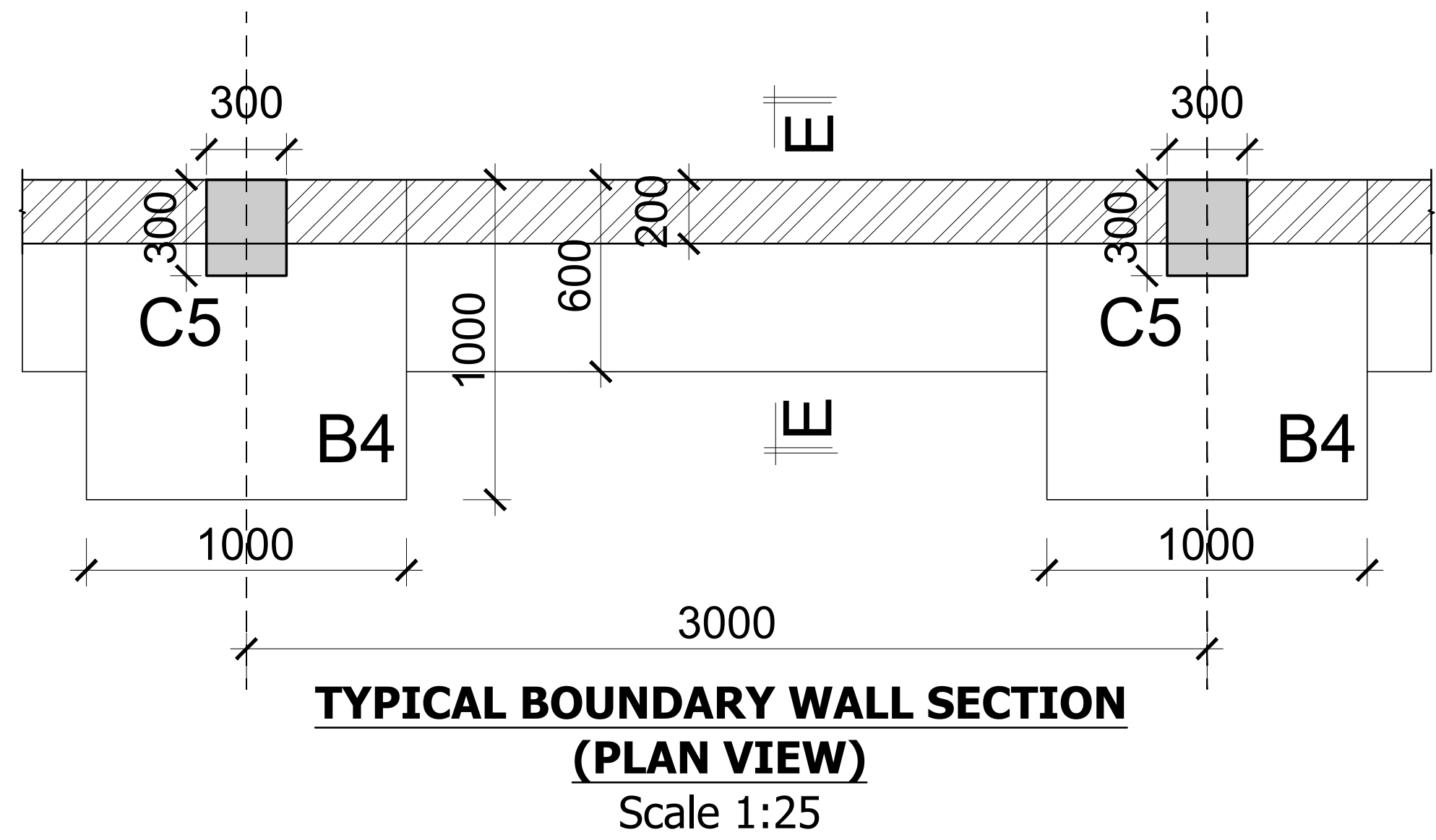
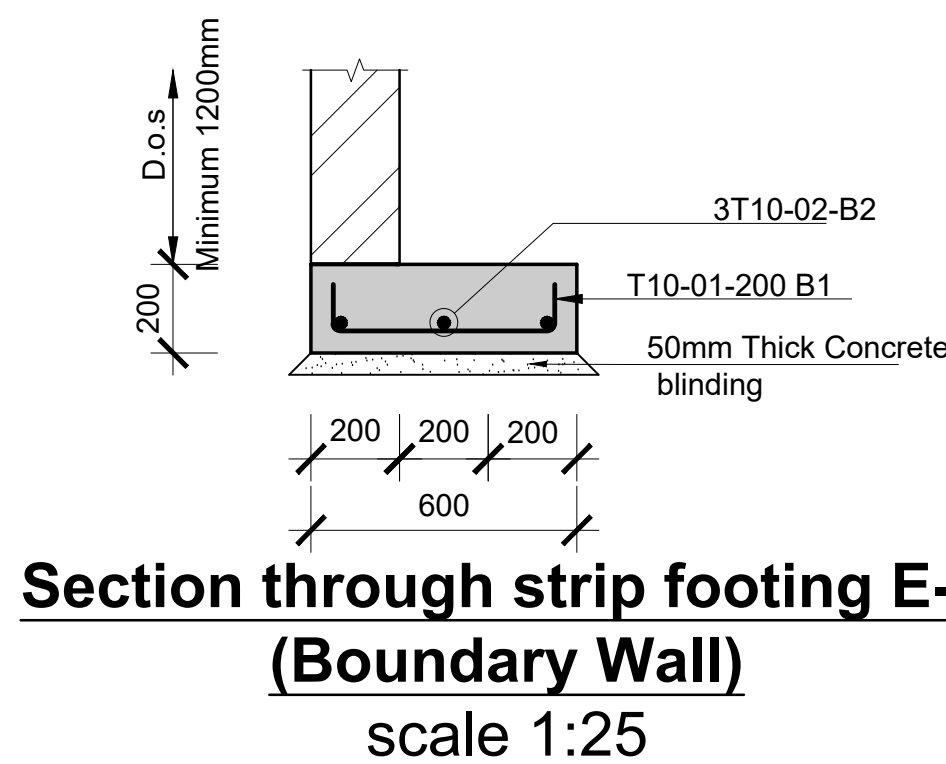
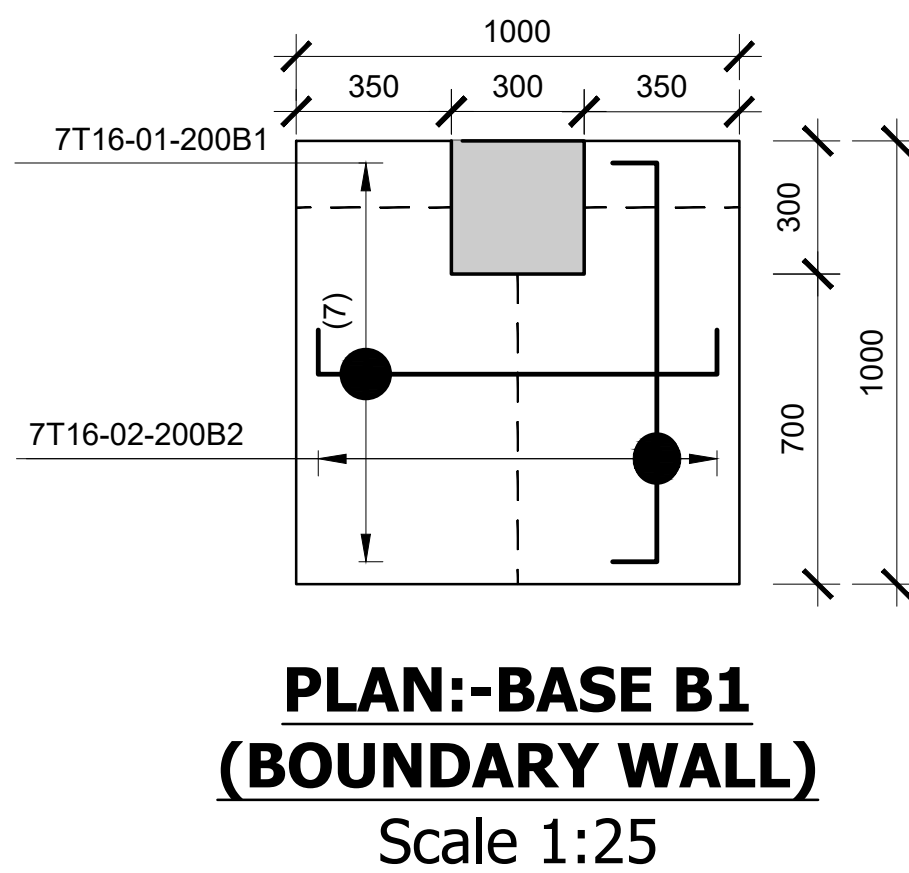
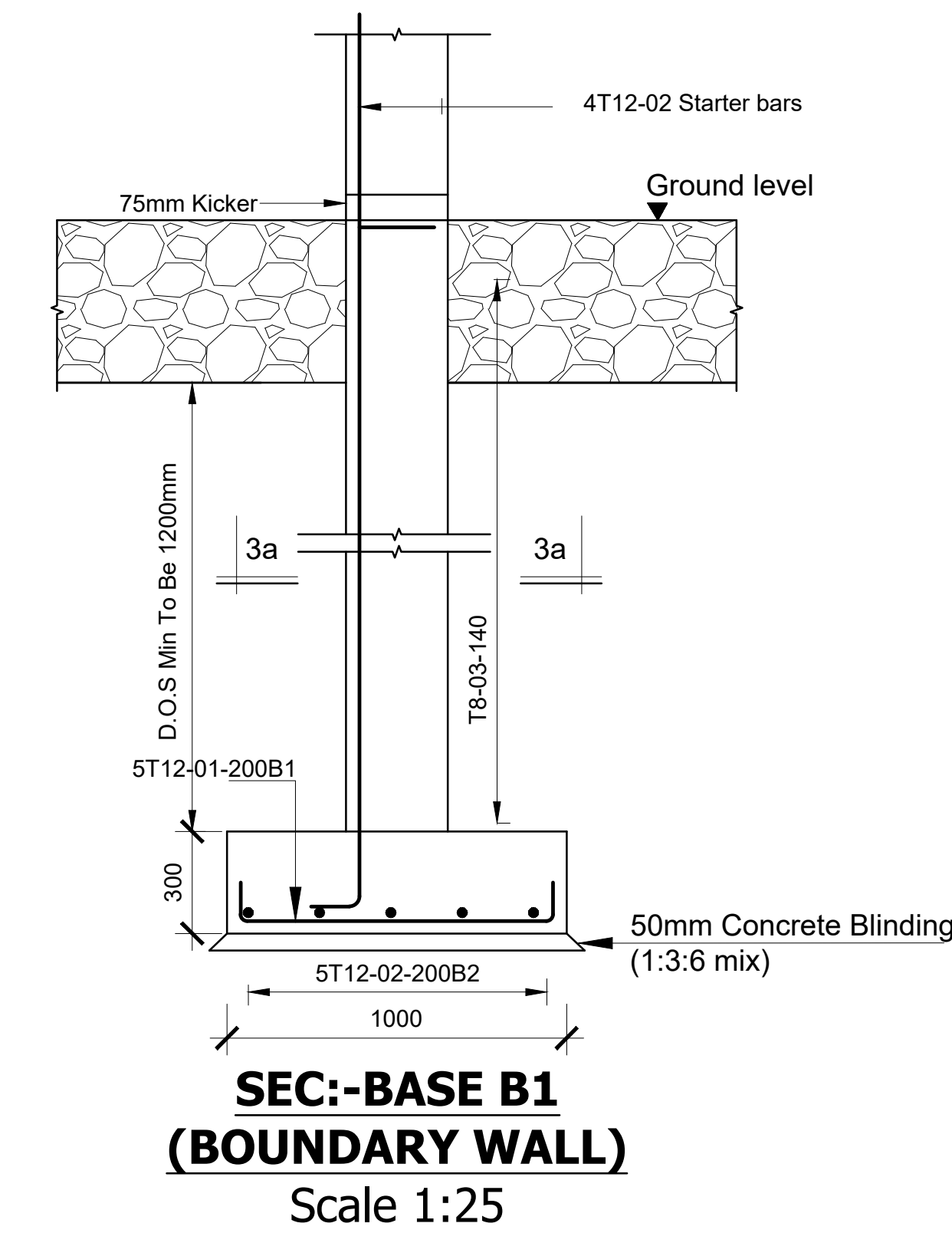
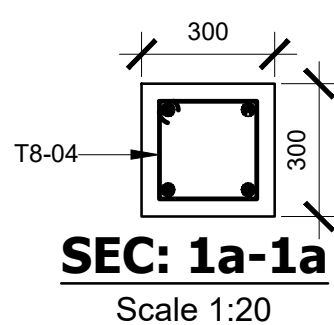




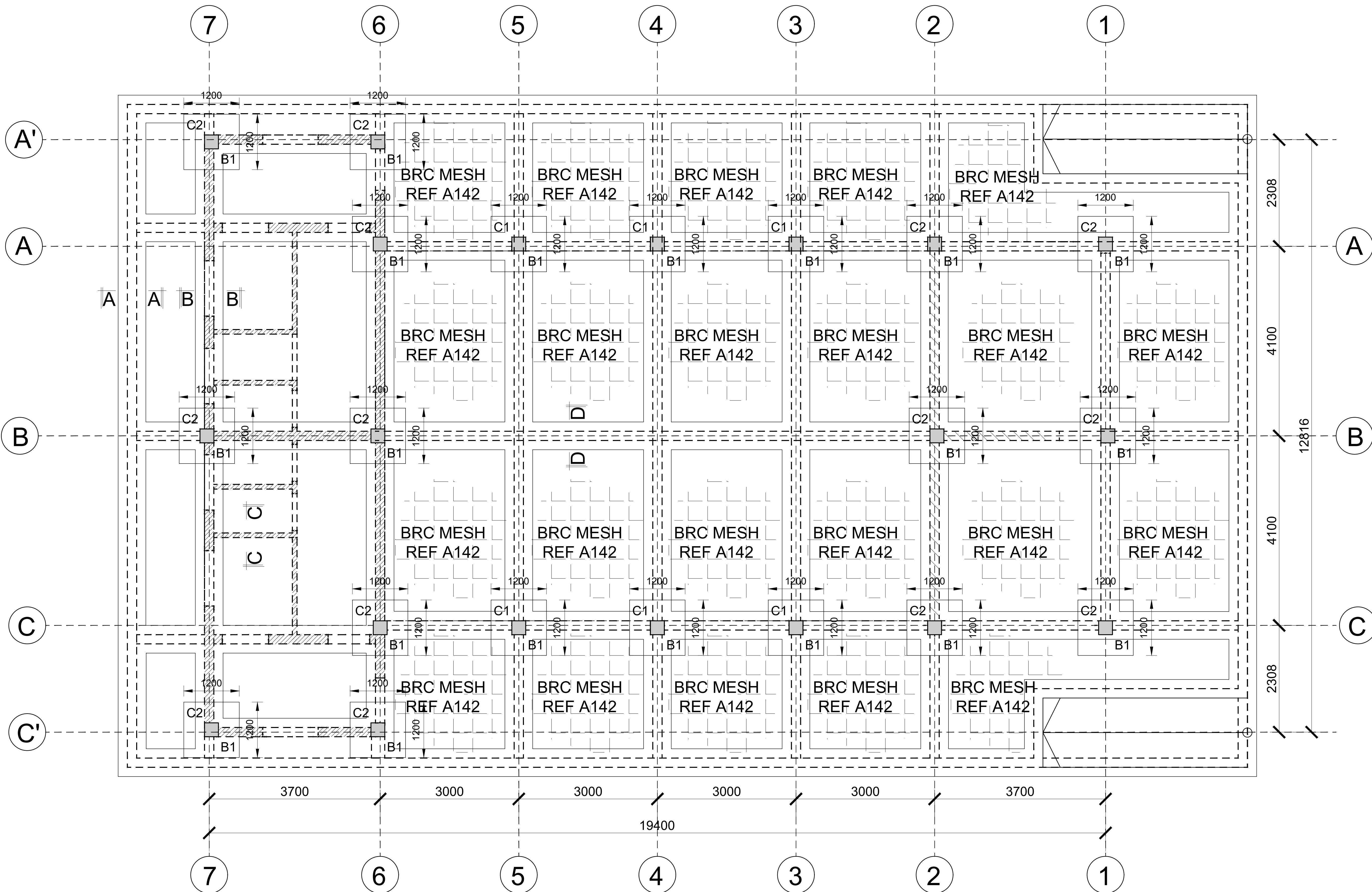
SCHEDULE OF MEMBERS	
STRIP FOOTING	
ITEM	SIZE
SF1	600mm x 200mm
SLABS	
ITEM	SIZE
S1	150mm Solid Slab With A142 BRC



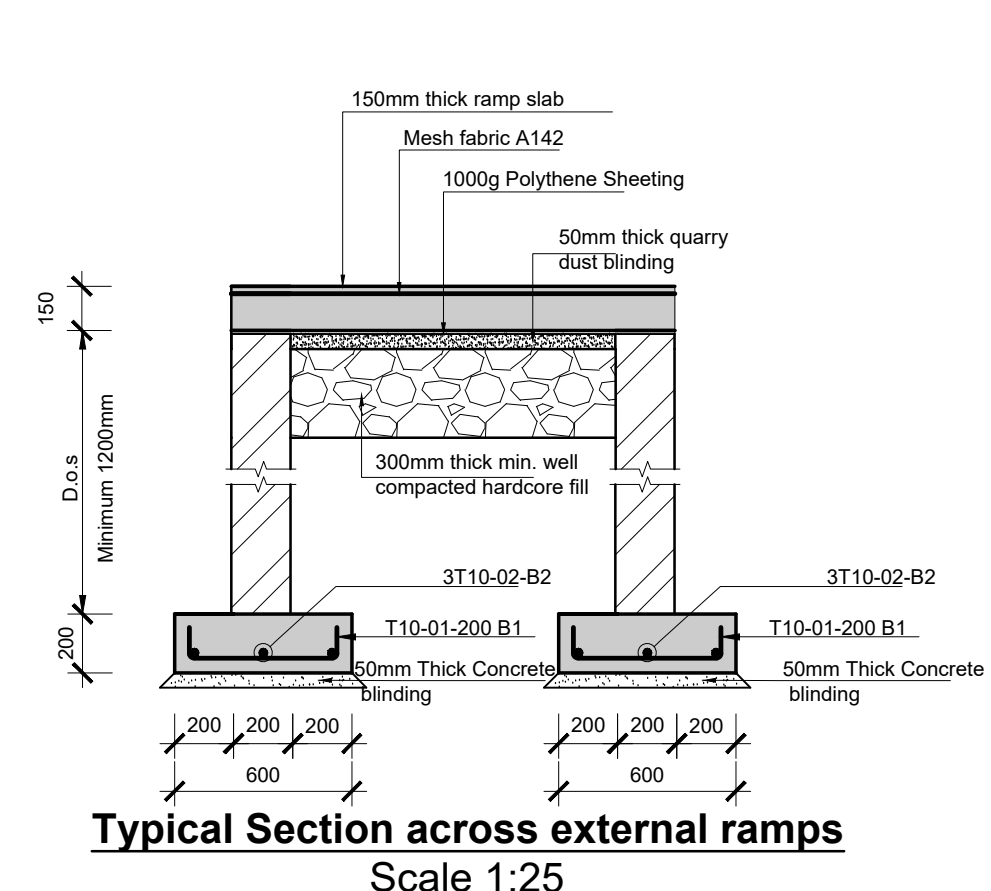
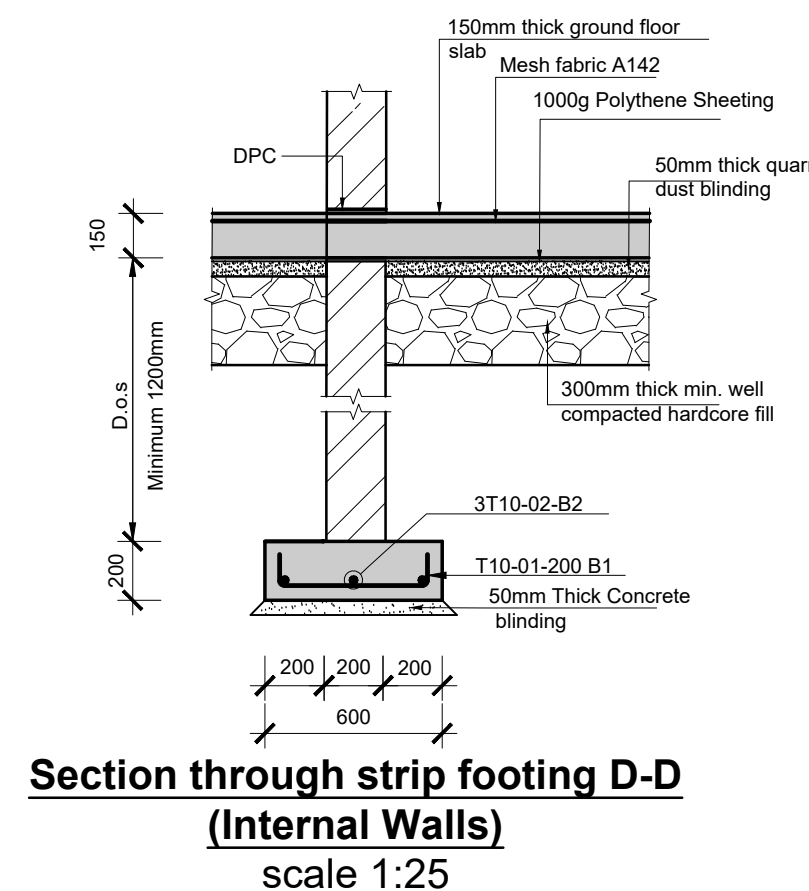
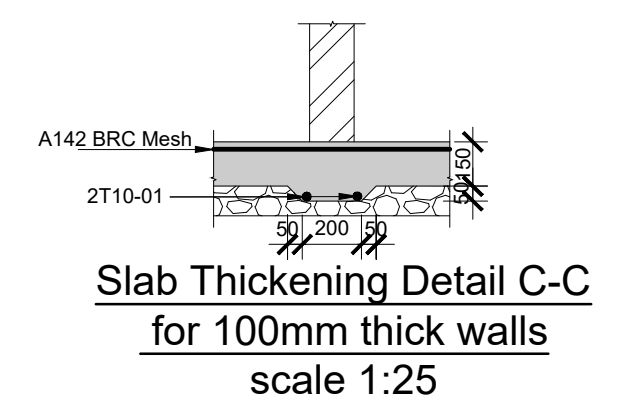
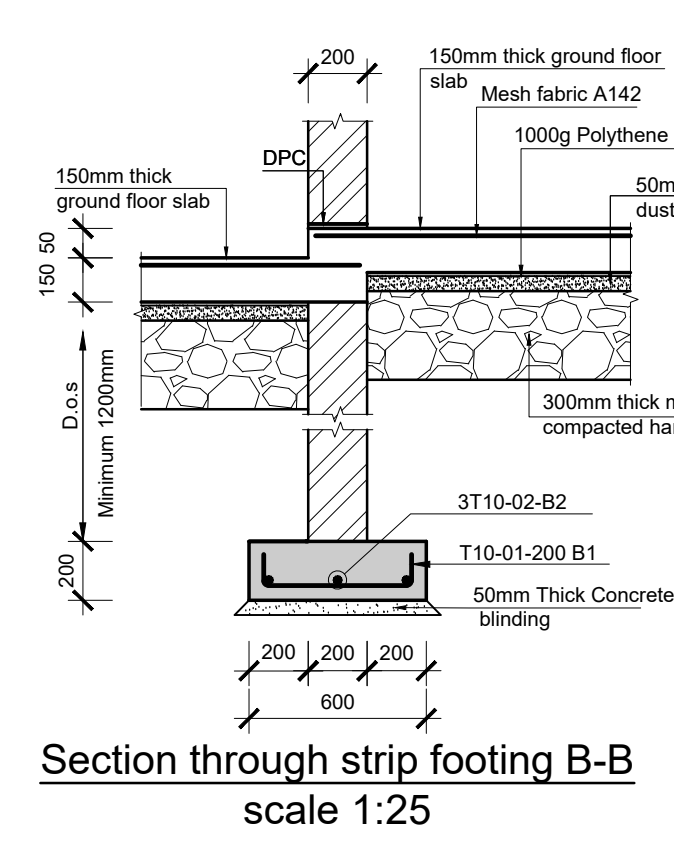
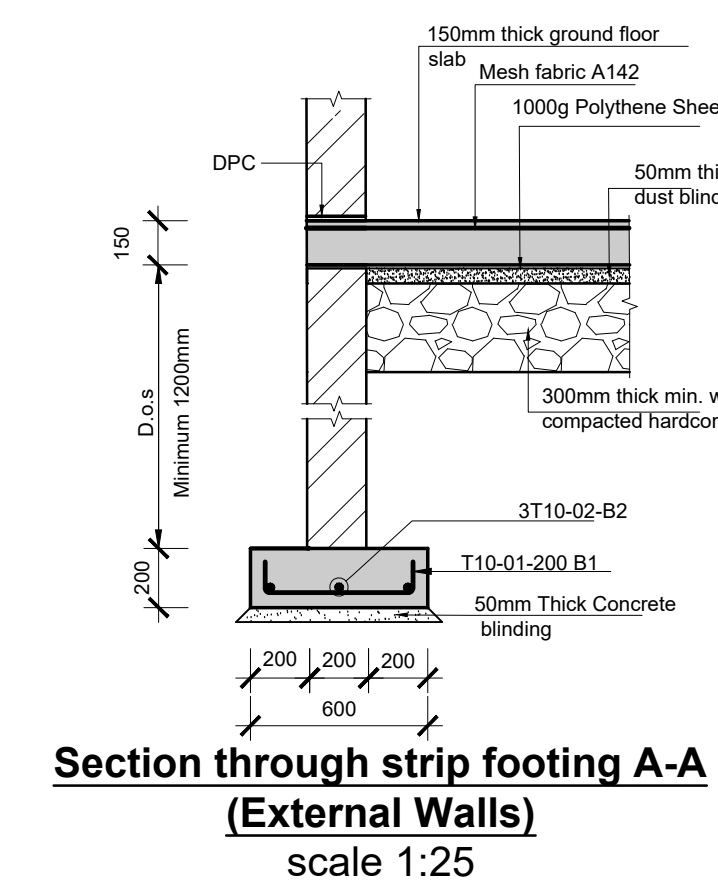
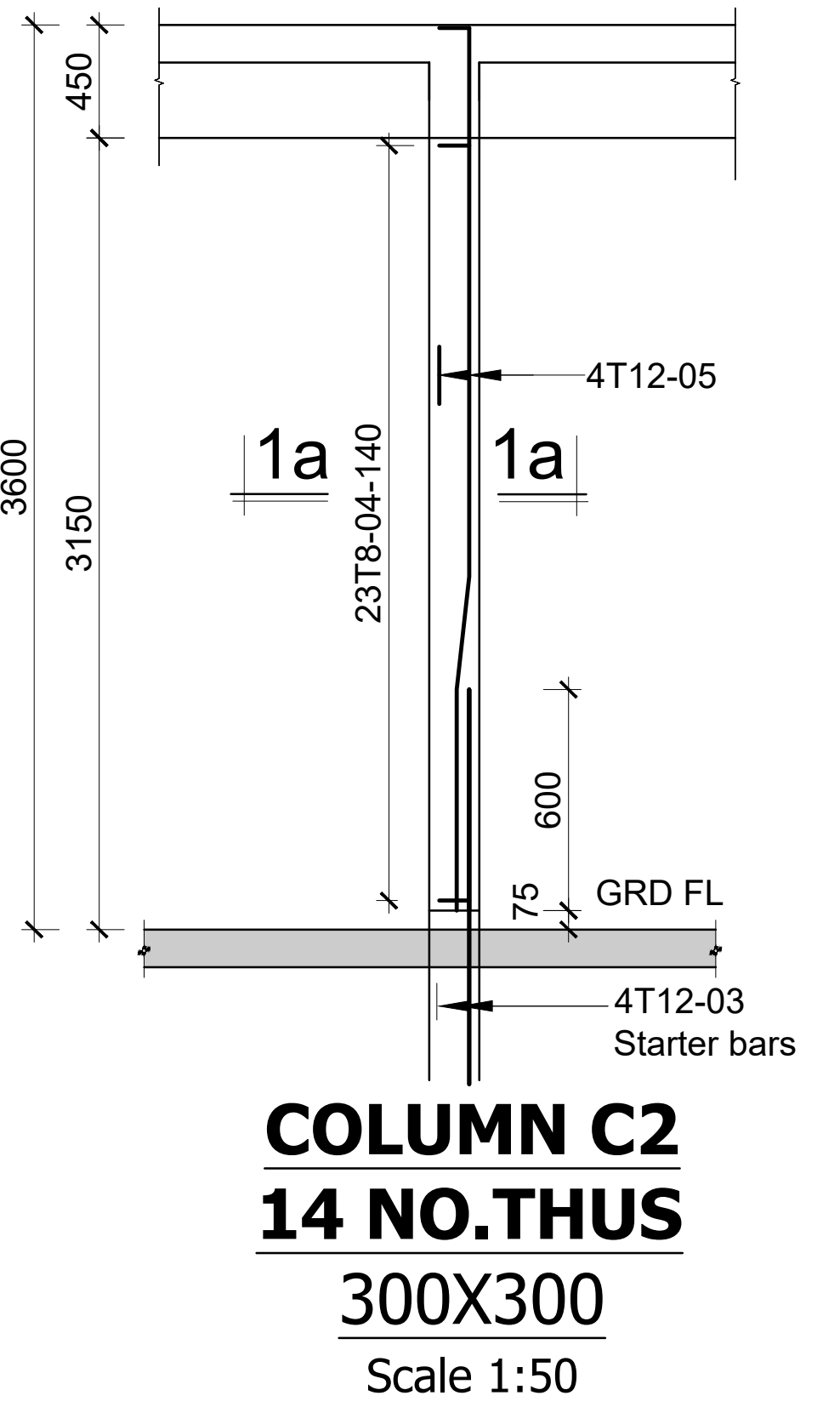
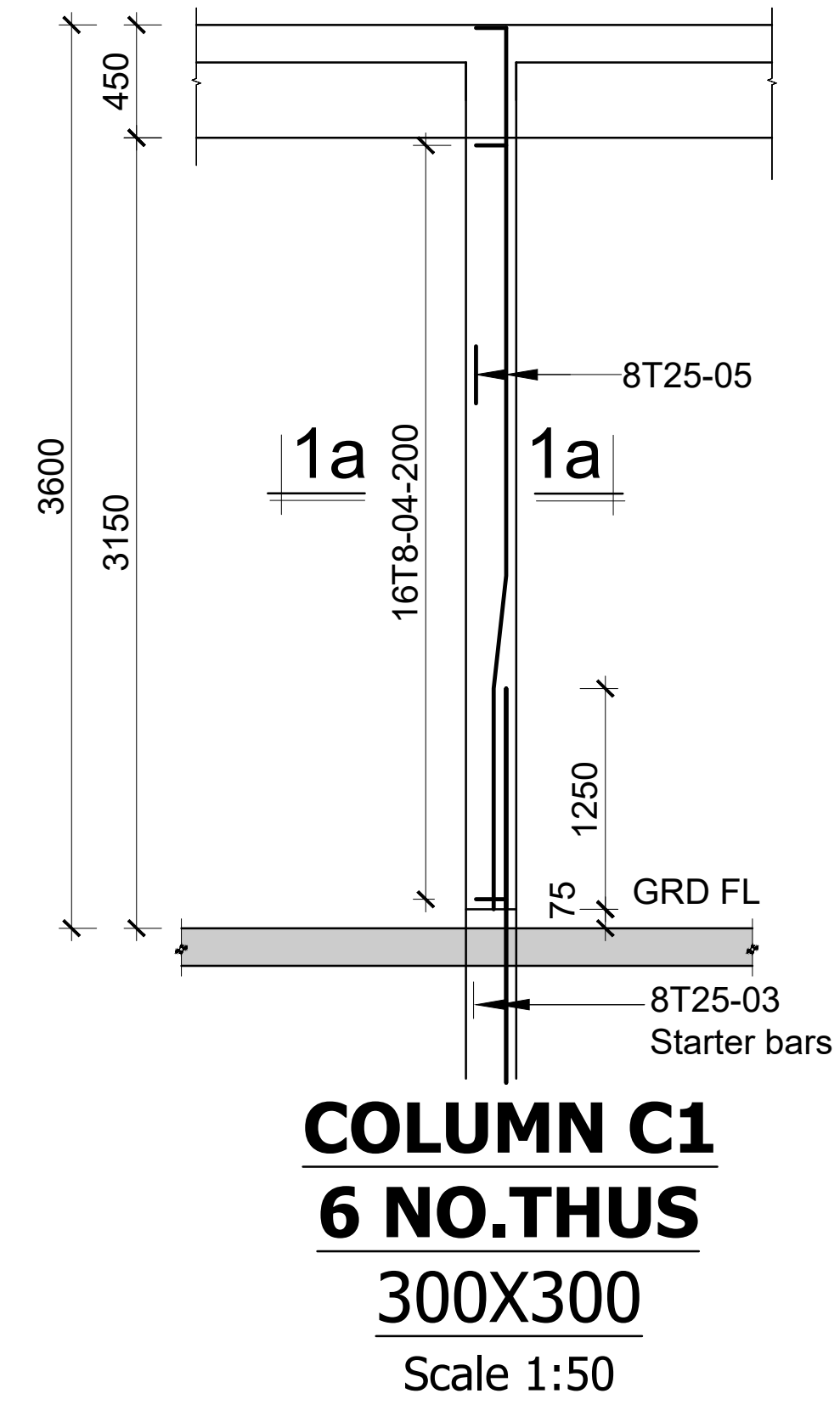
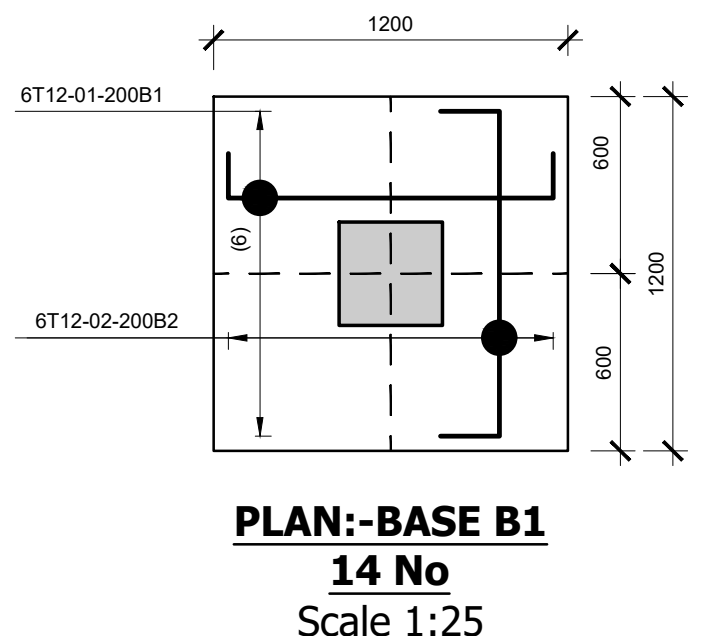
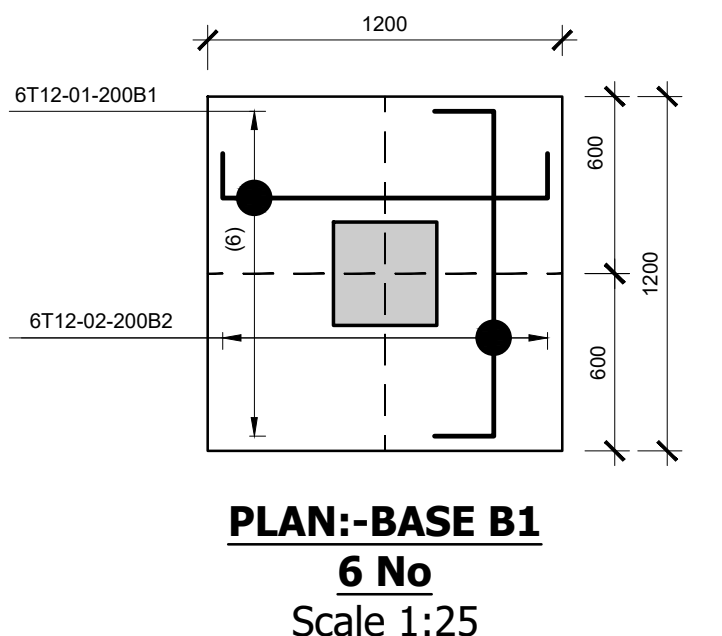
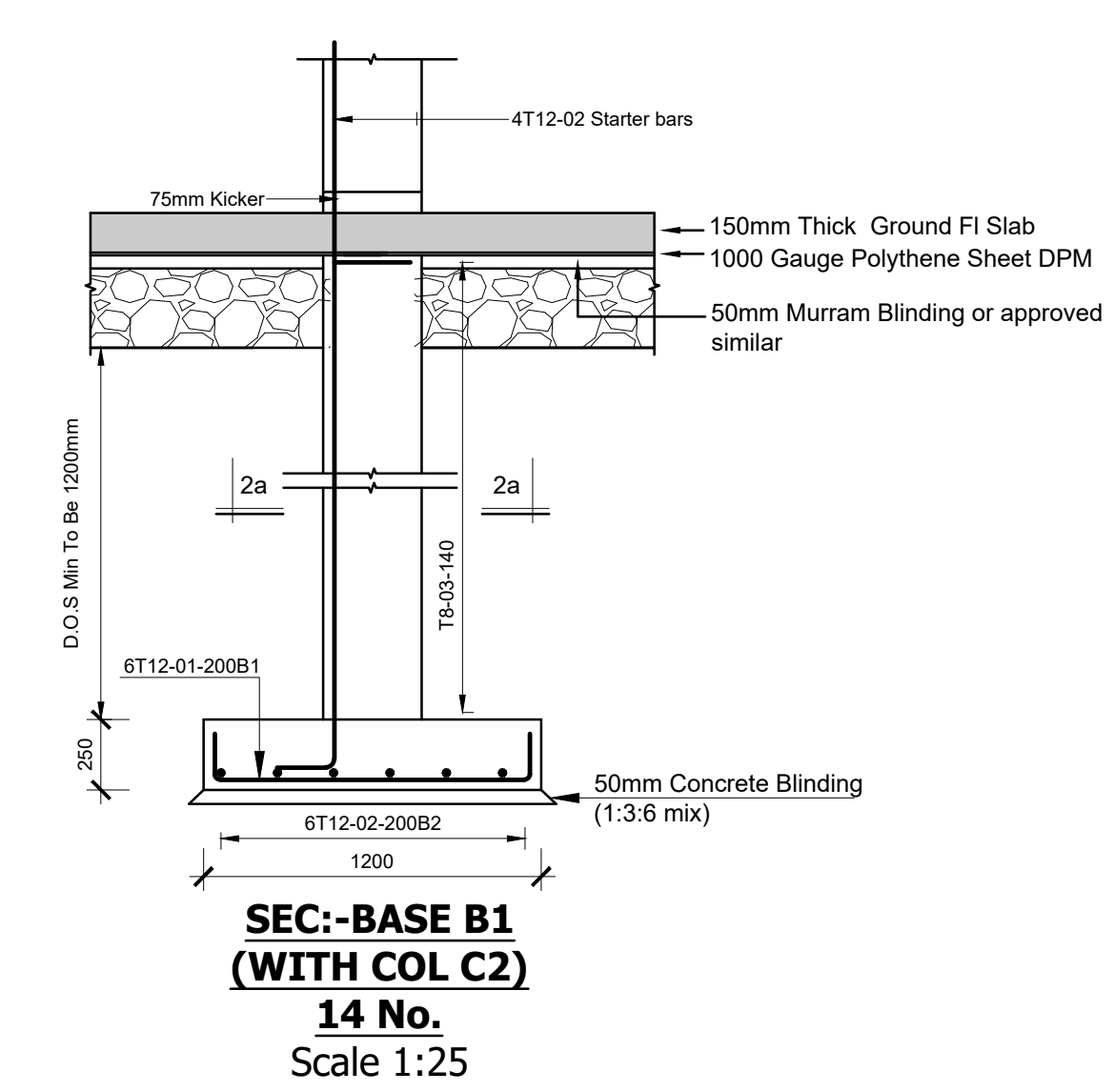
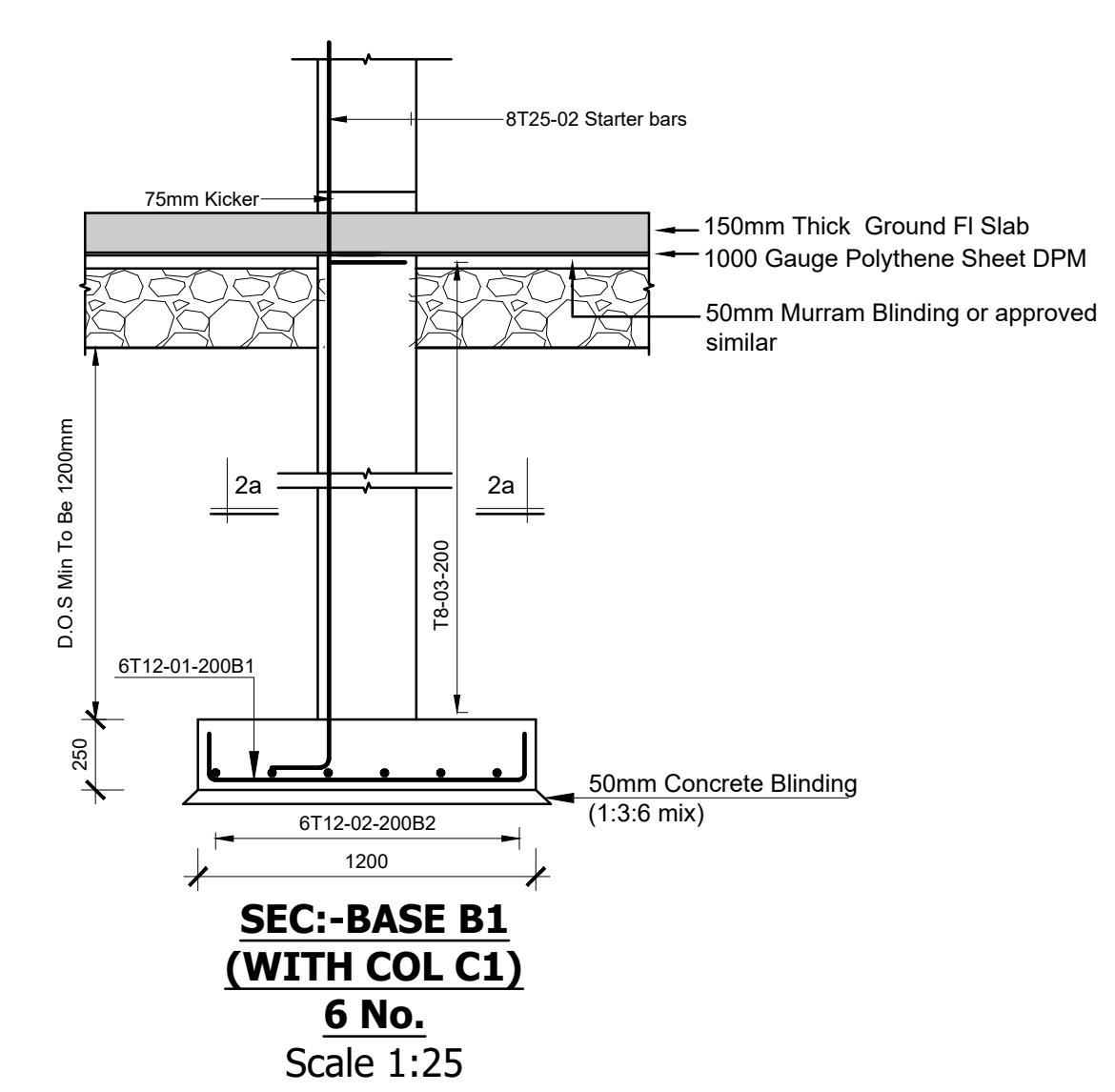
**COLUMN C1
(PERIMETER WALL)**
300X300
Scale 1:50

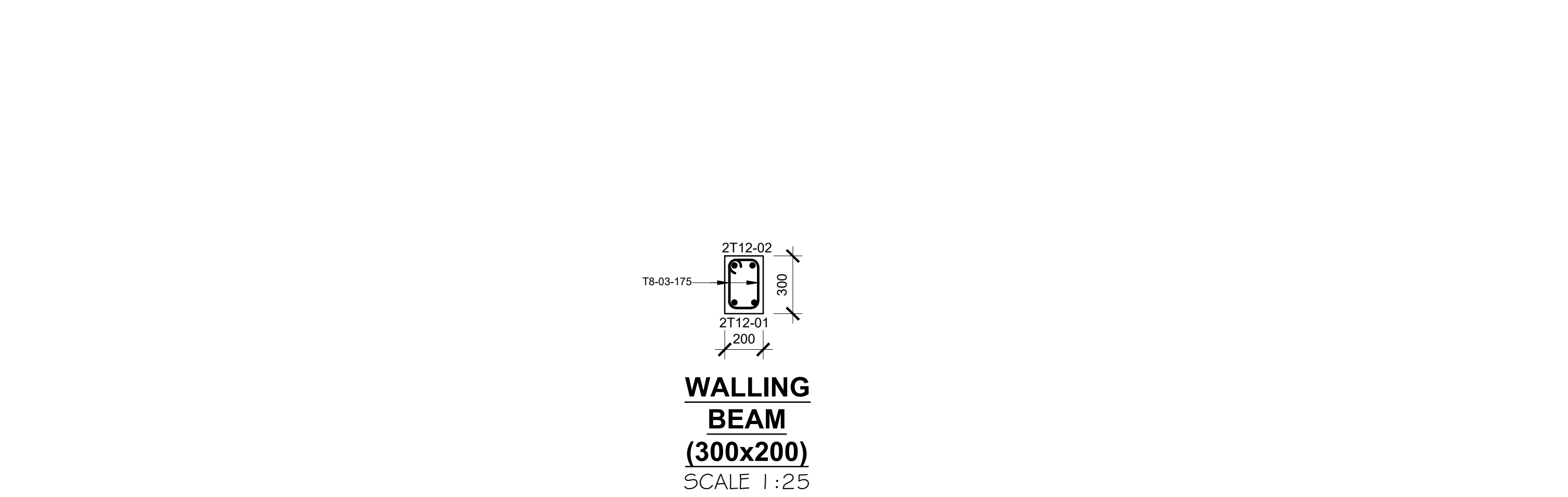
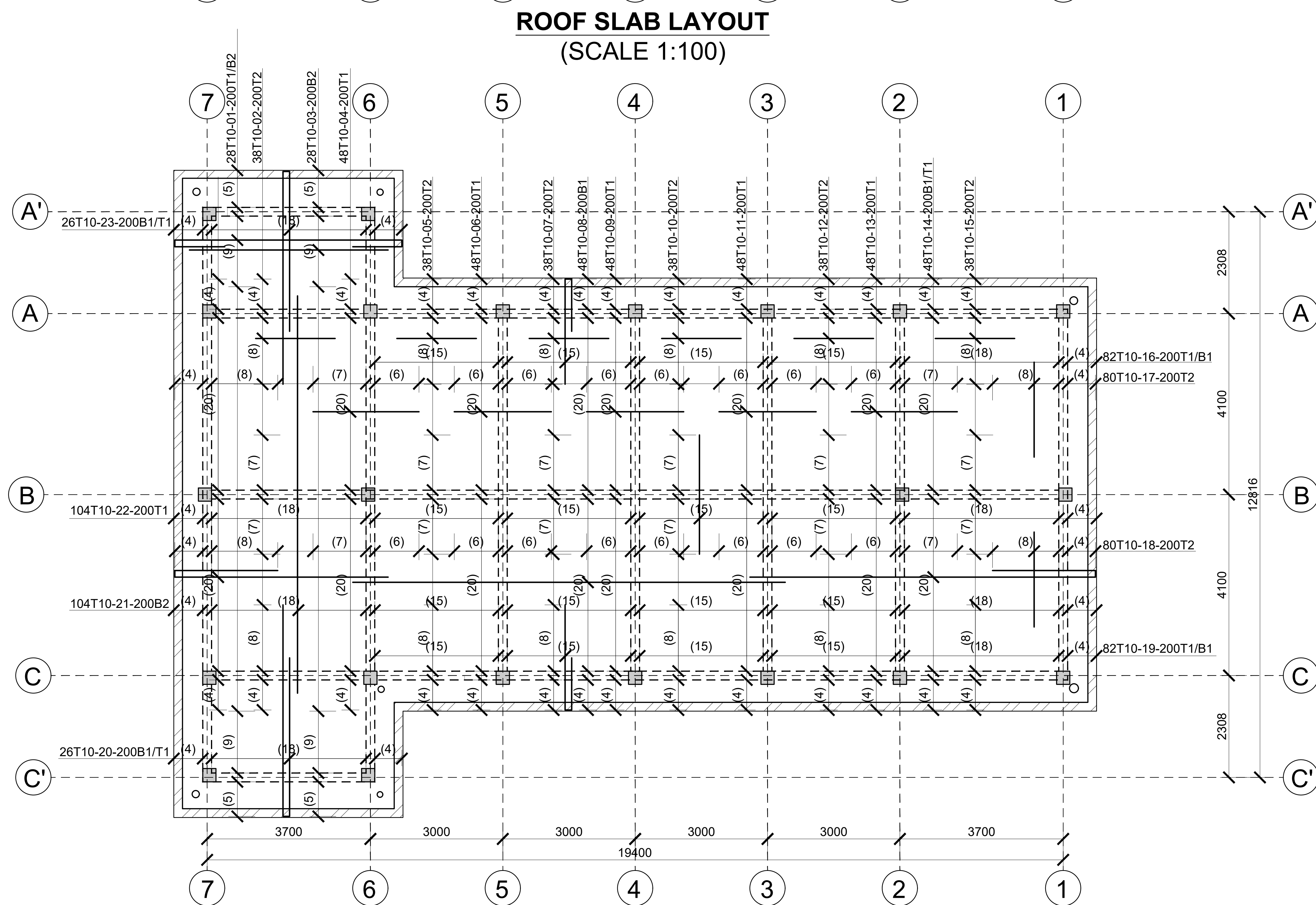


PROPOSED KIPINI MEETING HALL STRUCTURAL DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	FOUNDATION AND GROUND FLOOR LAYOUT , COLUMNS AND BASES DETAILS
3	08-002S-003	ROOF SLAB LAYOUT AND REINFORCEMENT DETAILS AND BEAM DETAILS



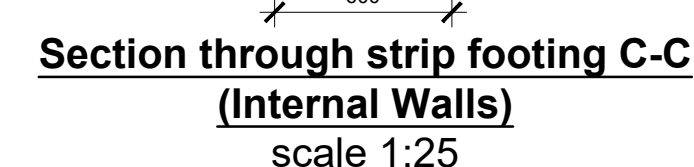
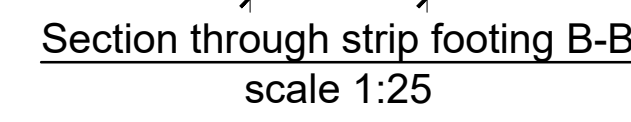
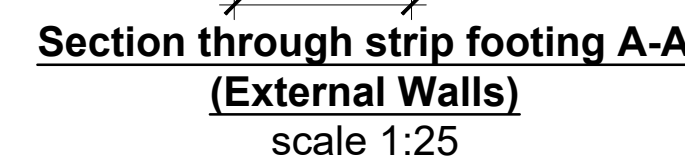
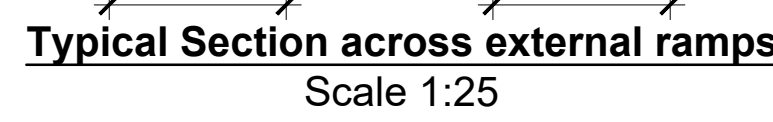
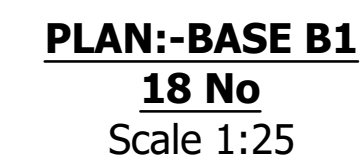
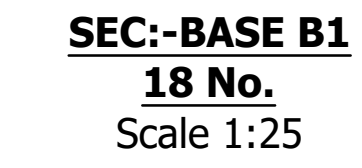
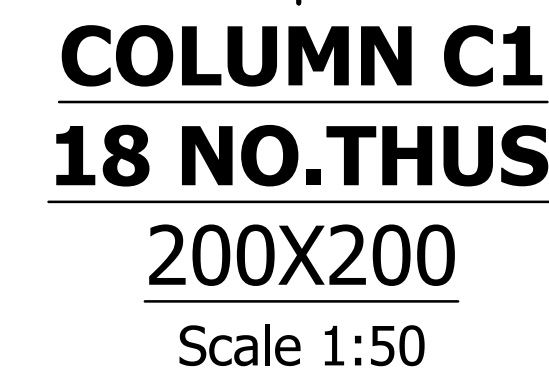
FOUNDATION AND GROUND FLOOR LAYOUT
(SCALE 1:100)



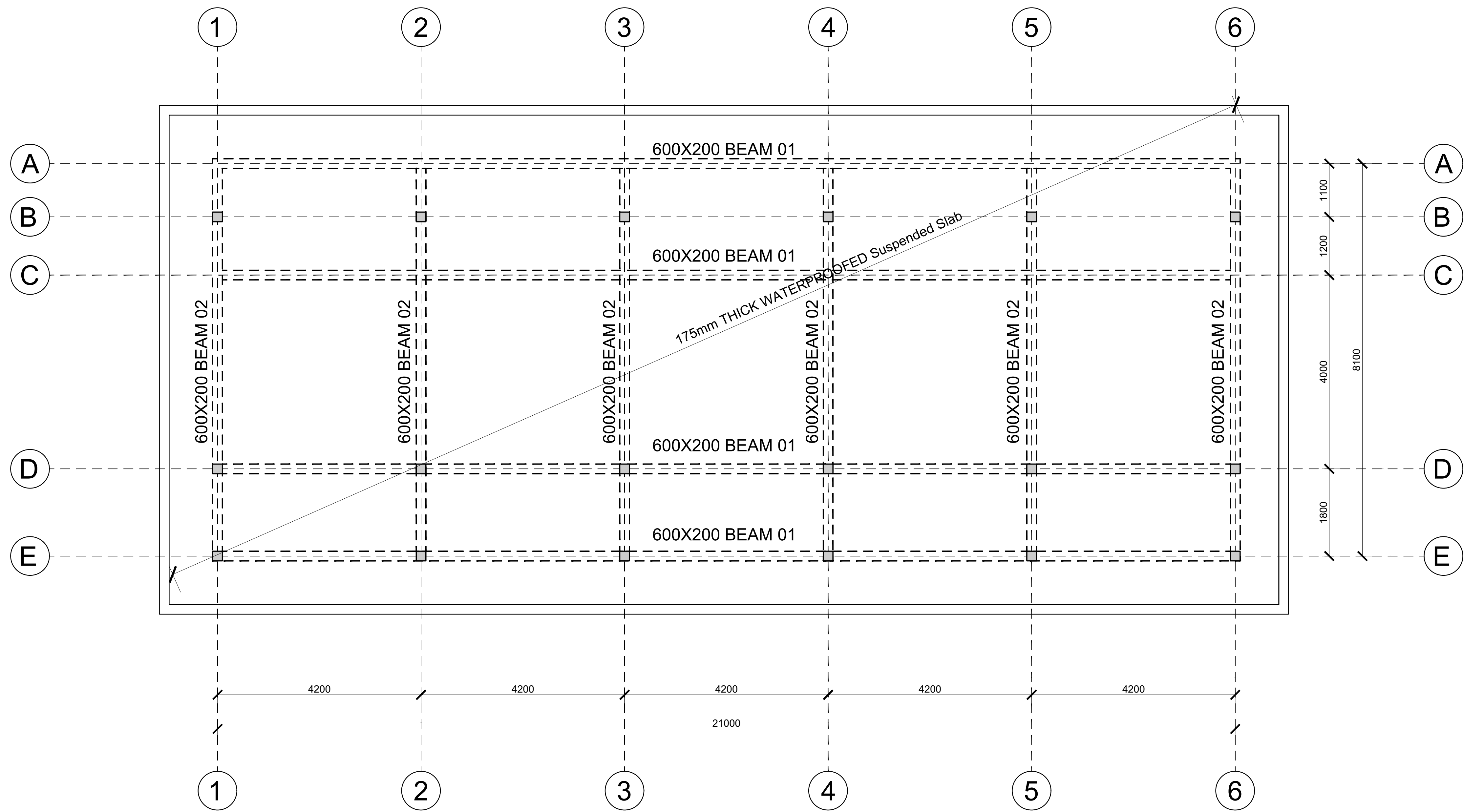


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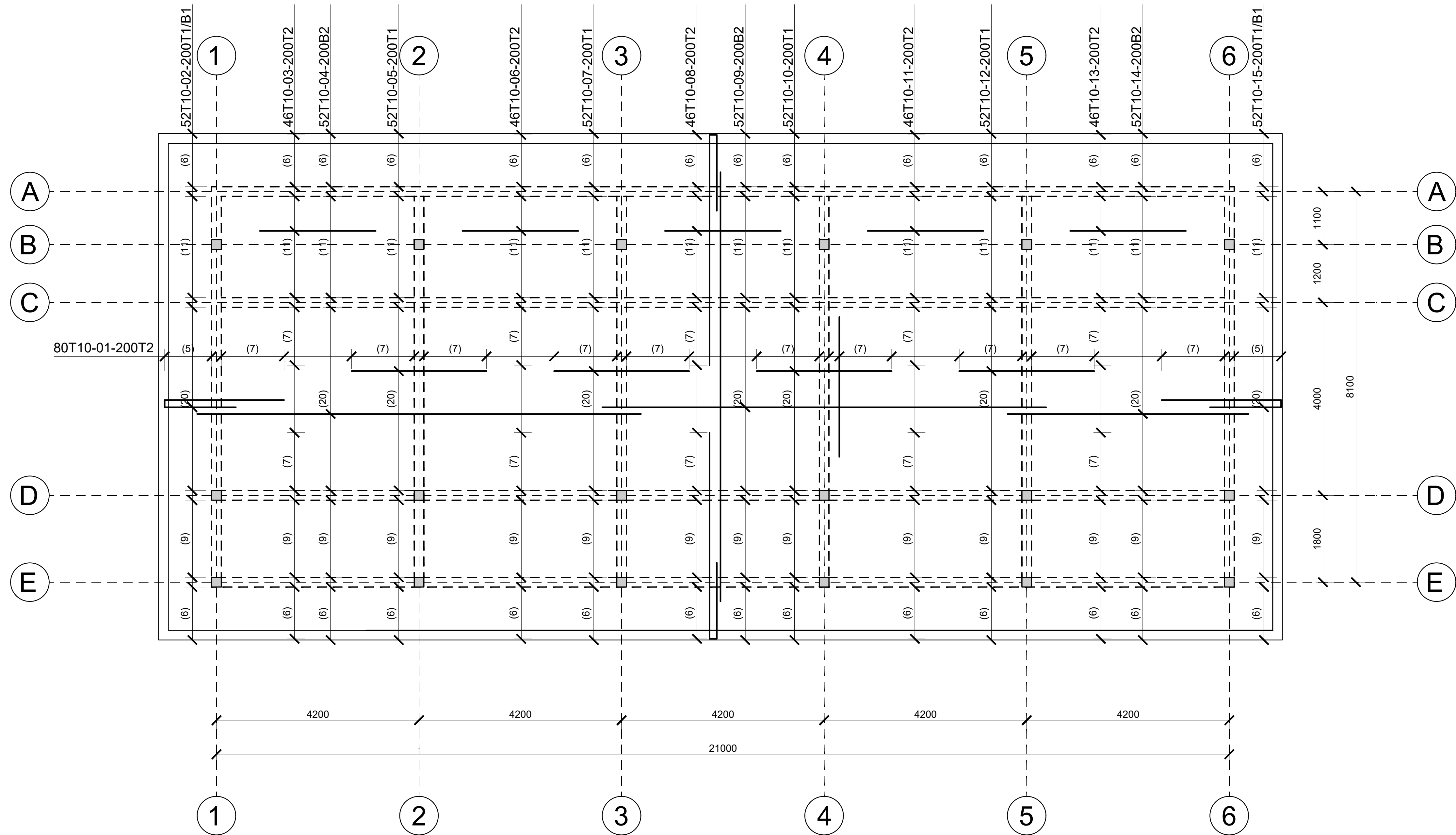
PROPOSED KIPINI STALLS STRUCTURAL DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	FOUNDATION AND GROUND FLOOR LAYOUT , COLUMNS AND BASES DETAILS
3	08-002S-003	ROOF SLAB LAYOUT AND REINFORCEMENT DETAILS AND BEAM DETAILS



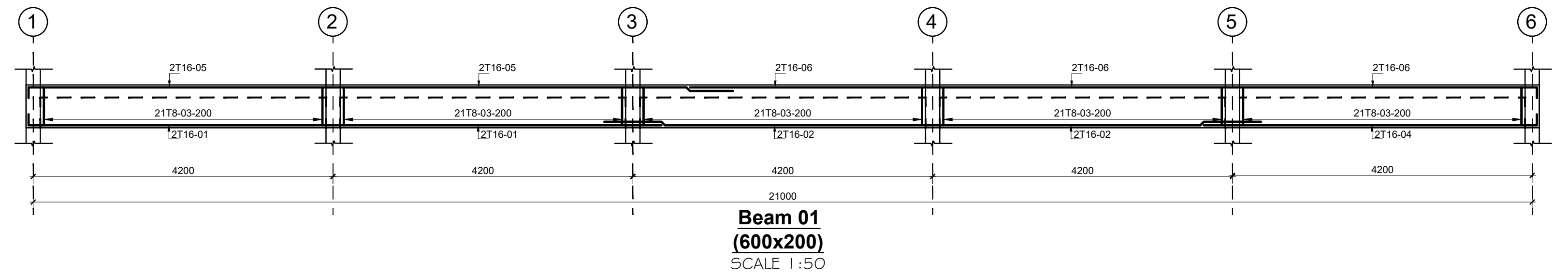
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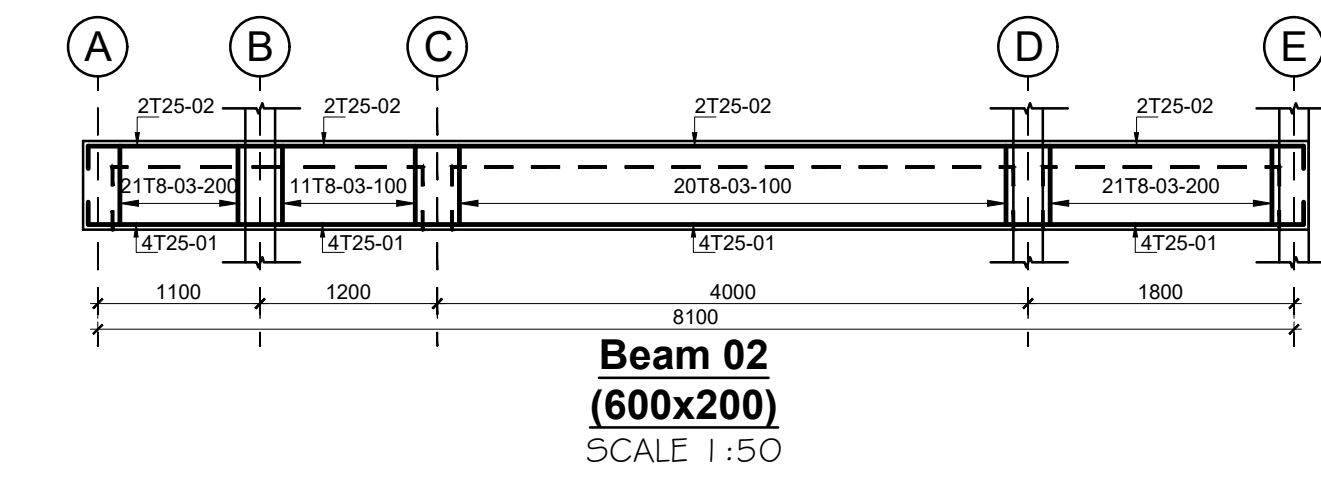
ROOF SLAB LAYOUT
(SCALE 1:75)



ROOF SLAB RC DETAILS
(SCALE 1:75)

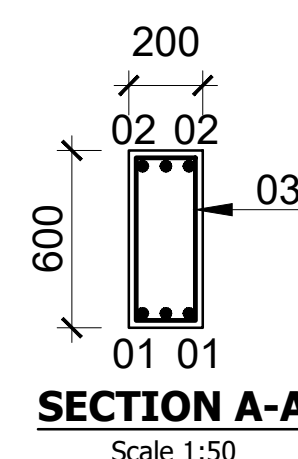
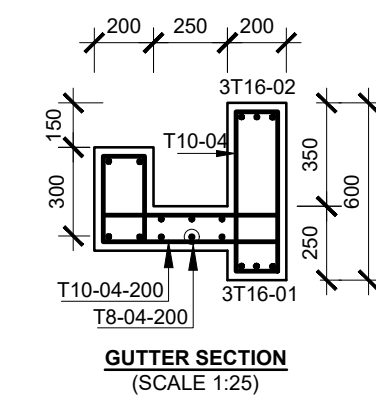


Beam 01
(600x200)
SCALE 1:50



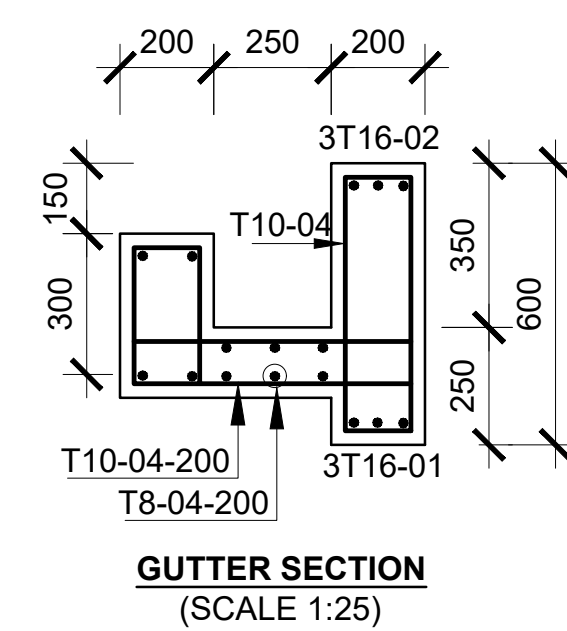
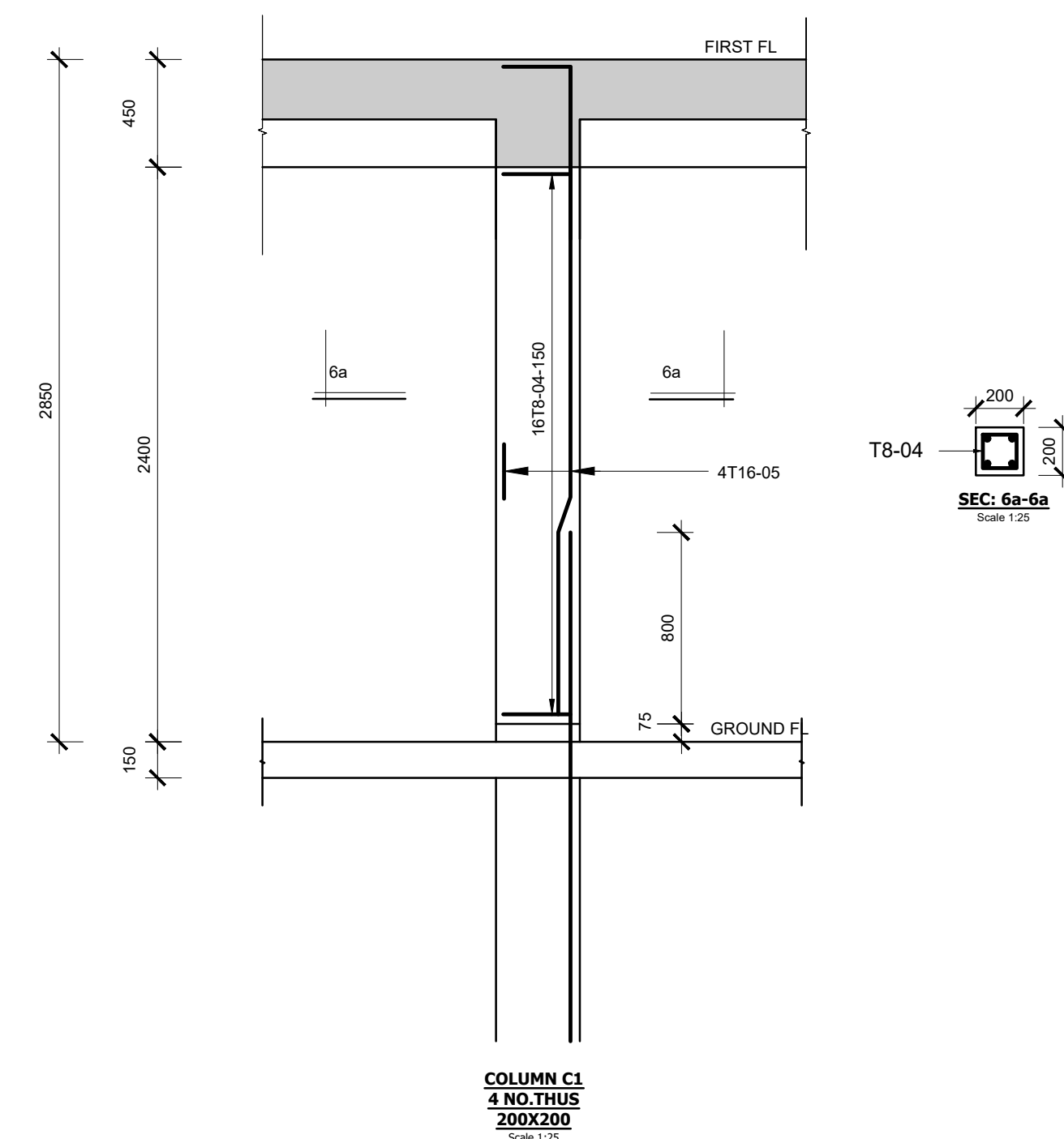
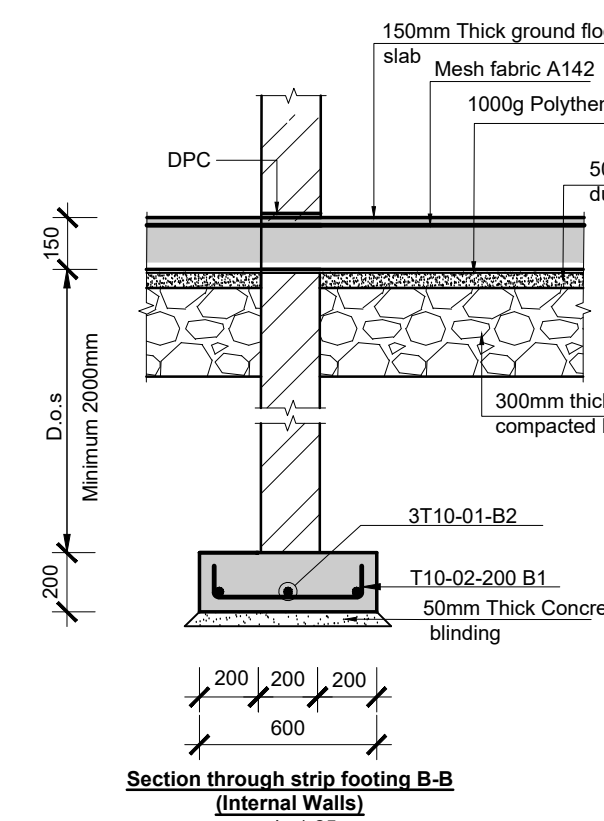
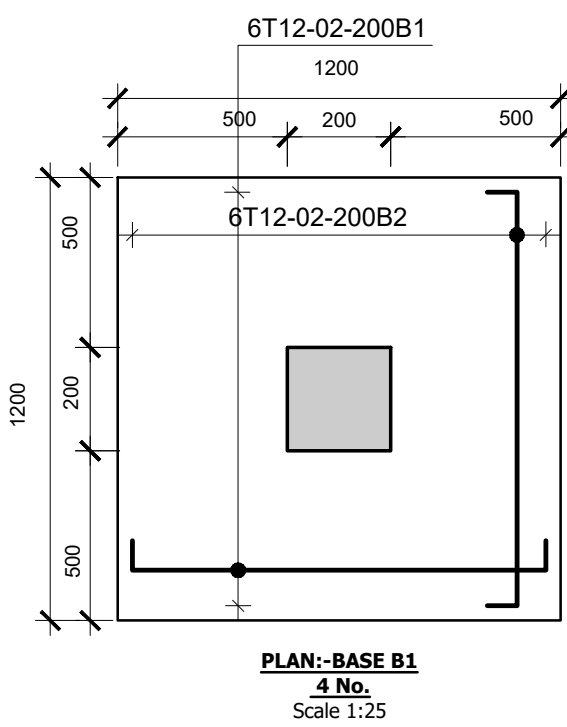
Beam 02
(600x200)
SCALE 1:50

PROPOSED KIPINI POWER HOUSE STRUCTURAL DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	STRUCTURAL DRAWINGS



<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, AQUACULTURE AND THE BLUE ECONOMY.</div>	<div>PROJECT:-</div> <div>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</div>	<div>PROJECT TITLE:-</div> <div>PROPOSED CONSTRUCTION OF KIPINI FISH LANDING SITE</div> <div><div>DRAWING TITLE:-</div><div>POWER HOUSE-STRUCTURAL DRAWINGS</div></div>	<div>NOTES</div> <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 mm unless specified otherwise.</div><div>4. Minimum cover to all reinforcement to be:</div></div> <div><div>Stairs, Slabs & Walls = 35mm</div><div>Beams (main bars) = 35mm</div><div>Columns (main bars) = 45mm</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> <div><div>8. Safe Bearing Pressure taken to be 200 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. Masonry Strength to be 7.0 N/mm².</div></div>	<table><tr><td>Designed by</td><td>BMN</td><td>Rev</td><td>Description</td><td>By</td><td>Date</td></tr><tr><td>Drawn by</td><td>BMN</td><td>D</td><td></td><td></td><td></td></tr><tr><td>Checked by</td><td>H.O.H.</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></table> <div><div>DRAWING NO: 08-002S-002</div></div>	Designed by	BMN	Rev	Description	By	Date	Drawn by	BMN	D				Checked by	H.O.H.	C				Scale	AS SHOWN	B						A			
	Designed by	BMN	Rev	Description	By	Date																													
	Drawn by	BMN	D																																
	Checked by	H.O.H.	C																																
	Scale	AS SHOWN	B																																
			A																																

PROPOSED KIPINI PUMP HOUSE STRUCTURAL DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	STRUCTURAL DRAWINGS



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 CONSTRUCTION OF KIPINI FISH LANDING SITE DRAWING TITLE:- PUMP HOUSE-STRUCTURAL DRAWINGS
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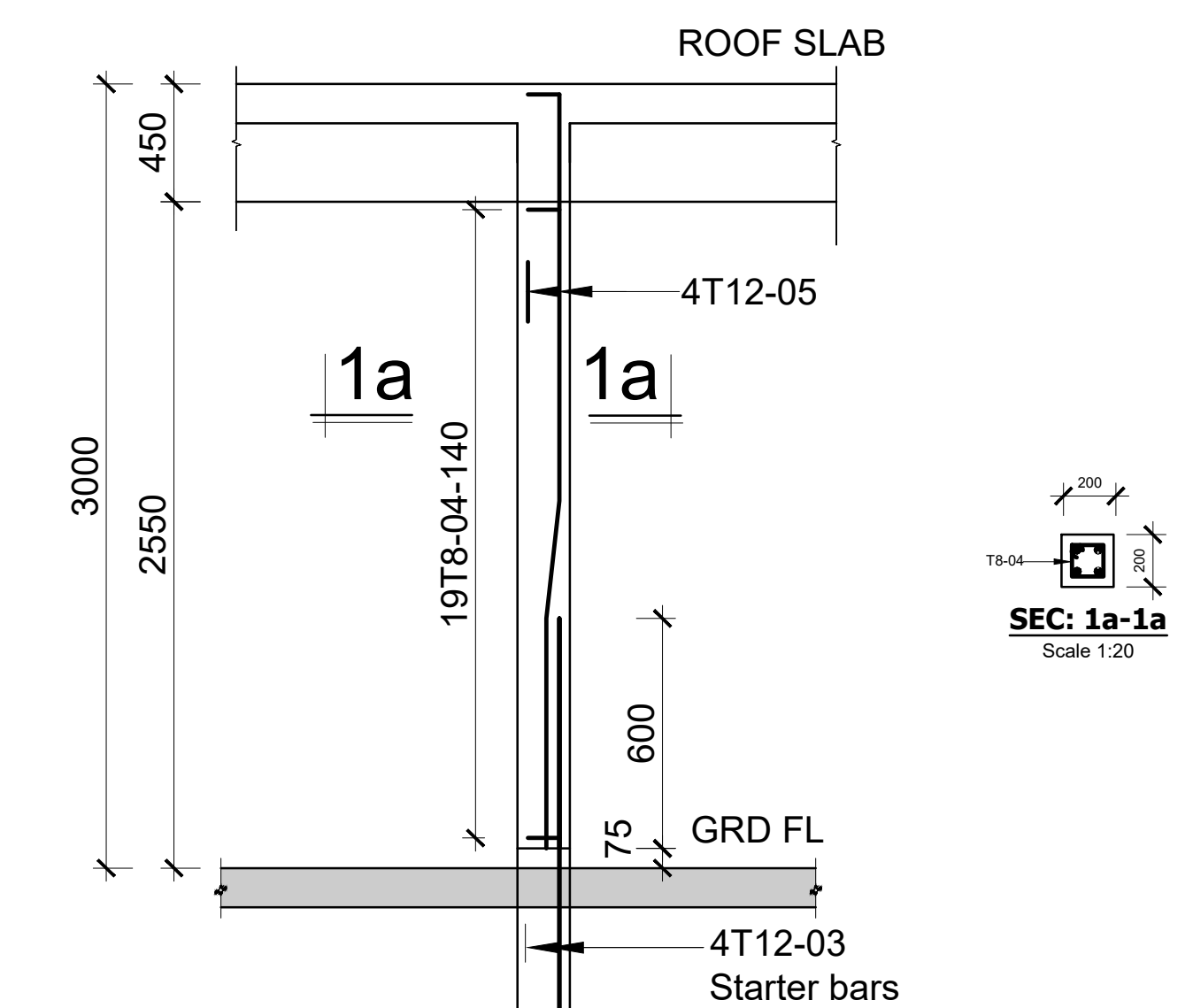
Drawn by	BMN	Rev	Description	By	Date
Drawn by	BMN	B			
Checked by	H.O.H.	C			
Scale	AS SHOWN	A			

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 mm unless specified otherwise. 4. Minimum cover to all reinforcement to be:		Stairs, Slabs & Walls = 35mm Beams (main bars) = 35mm 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.	
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8. Safe Bearing Pressure taken to be 200 KN/m ² . 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Masonry Strength to be 7.0 N/mm ² .	
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PROPOSED KIPINI FISH BANDA DRAWINGS

PAGE	DRAWING NUMBER	DRAWING TITLE
1	08-002S-001	DRAWING LIST
2	08-002S-002	FOUNDATION AND GROUND FLOOR LAYOUT AND BASES DETAILS
3	08-002S-003	ROOF SLAB LAYOUT
4	08-002S-004	ROOF SLAB AND BEAMS REINFORCEMENT DETAILS



150mm thick ramp slab

Mesh fabric A142

1000g Polythene Sheeting

50mm thick quarry dust binding

300mm thick mass well compacted hardcore fill

ST110-Q2-B2

T110-1-200-B1

50mm Thick Concrete Bedding

200 200 200 600 200 200 200

150mm

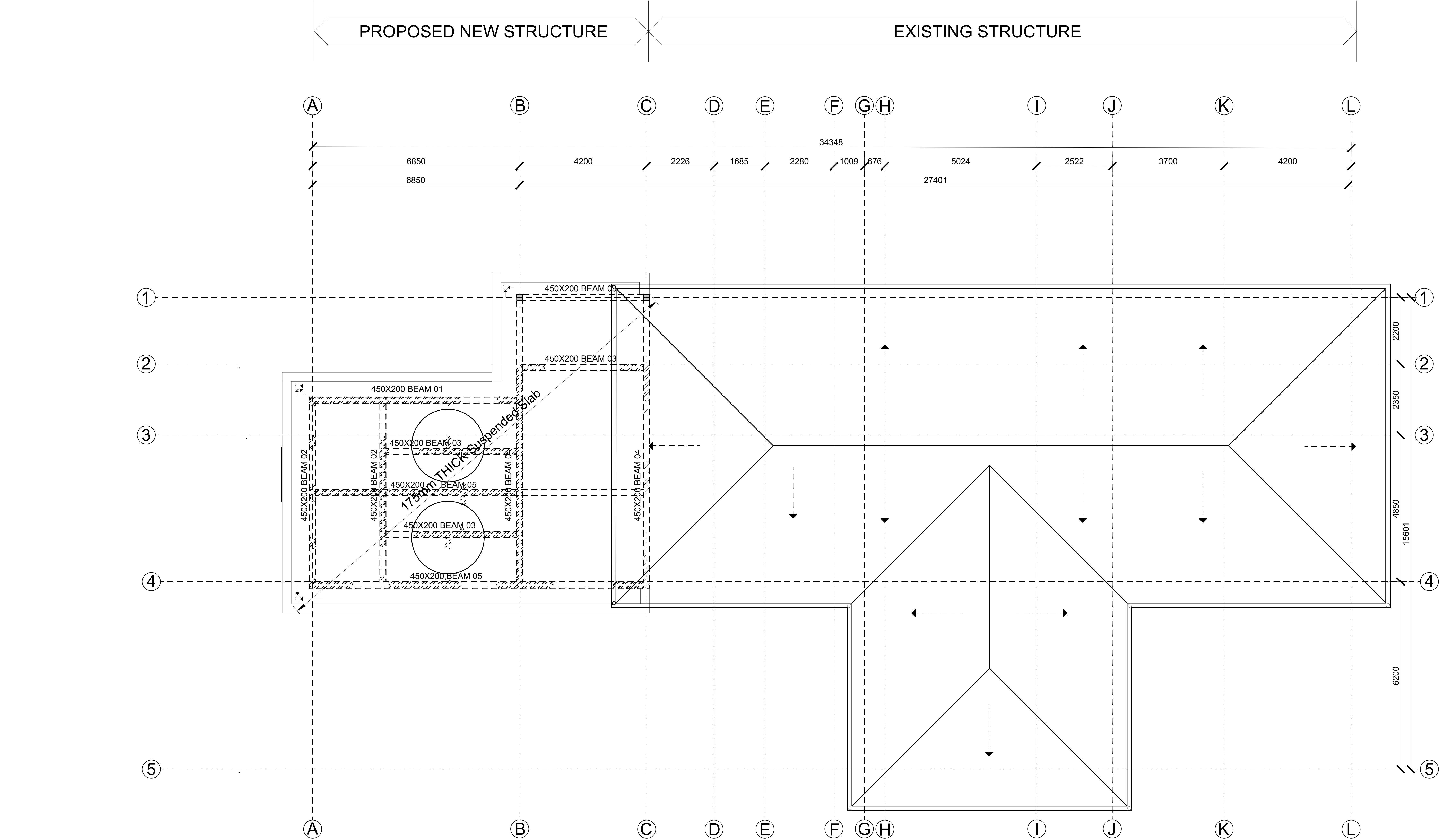
1000mm

Typical Section across external ramps

Scale 1:25

Section through strip footing B-B
(Internal Walls)
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:-	PROJECT:-	PROJECT TITLE:-	NOTES	<table border="1"> <tr> <td>Designed by</td> <td>BMN</td> <td>Rev</td> <td>Description</td> <td>By</td> <td>Date</td> </tr> <tr> <td>Drawn by</td> <td>BMN</td> <td>D</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Checked by</td> <td>H.O.H.</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> </table> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 10px;"> DRAWING NO: 08-002S-002 </div>	Designed by	BMN	Rev	Description	By	Date	Drawn by	BMN	D				Checked by	H.O.H.	C				Scale	AS SHOWN	B						A			
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STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.	PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSD) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.	PROPOSED CONSTRUCTION OF KIPINI FISH LANDING SITE	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 mm unless specified otherwise. 4. Minimum cover to all reinforcement to be:	Stairs, Slabs & Walls = 35mm Beams (main bars) = 35mm 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.																															
		DRAWING TITLE:-	FISH BANDA-FOUNDATION AND GROUND FLOOR LAYOUT AND BASE DETAILS																																



ROOF SLAB LAYOUT
(SCALE 1:100)

DRAWING TITLE: PROPOSED FISH LANDING SITES/MARKETS FISHERIES OFFICES - KIPINI

DRAWING NUMBER: 08-003E- 001

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	ELECTRICAL ENGINEERING DRAWINGS				
1	LIST OF DRAWINGS	08- 003E- 001	A3	PDF/ EXCEL	Provided
2	LIGHTING & POWER SYSTEM GENERAL NOTES	08- 003E- 002	A3	PDF/ DWG	Provided
3	ELECTRICAL SCHEDULE OF SYMBOLS	08- 003E- 003	A3	PDF/ DWG	Provided
4	FISH BANDA LIGHTING LAYOUT	08- 003E- 004	A2	PDF/ DWG	Provided
5	FISH BANDA POWER LAYOUT	08- 003E- 005	A2	PDF/ DWG	Provided
6	FISH BANDA FIRE ALARM LAYOUT	08- 003E- 006	A2	PDF/ DWG	Provided
7	FISH BANDA CCTV LAYOUT	08- 003E- 007	A2	PDF/ DWG	Provided
8	FISH BANDA AC LAYOUT	08- 003E- 008	A2	PDF/ DWG	Provided
9	FISH BANDA SCHEMATIC LAYOUT	08- 003E- 009	A2	PDF/ DWG	Provided
10	MULTI PURPOSE HALL LIGHTING LAYOUT	08- 003E- 010	A2	PDF/ DWG	Provided
11	MULTI PURPOSE HALL POWER LAYOUT	08- 003E- 011	A2	PDF/ DWG	Provided
12	MULTI PURPOSE HALL FIRE ALARM LAYOUT	08- 003E- 012	A2	PDF/ DWG	Provided
13	MULTI PURPOSE HALL CCTV LAYOUT	08- 003E- 013	A2	PDF/ DWG	Provided
14	MULTI PURPOSE HALL AC LAYOUT	08- 003E- 014	A2	PDF/ DWG	Provided
15	MULTI PURPOSE HALL SCHEMATIC LAYOUT	08- 003E- 015	A2	PDF/ DWG	Provided
16	STALLS BLOCK LIGHTING LAYOUT	08- 003E- 016	A2	PDF/ DWG	Provided
17	STALLS BLOCK POWER LAYOUT	08- 003E- 017	A2	PDF/ DWG	Provided
18	STALLS BLOCK FIRE ALARM LAYOUT	08- 003E- 018	A2	PDF/ DWG	Provided
19	STALLS BLOCK AC LAYOUT	08- 003E- 019	A2	PDF/ DWG	Provided
20	STALLS BLOCK CCTV LAYOUT	08- 003E- 020	A2	PDF/ DWG	Provided
21	STALLS BLOCK SCHEMATIC LAYOUT	08- 003E- 021	A2	PDF/ DWG	Provided
22	BOAT YARD LIGHTING LAYOUT	08- 003E- 022	A2	PDF/ DWG	Provided
23	BOAT YARD POWER LAYOUT	08- 003E- 023	A2	PDF/ DWG	Provided
24	BOAT YARD FIRE ALARM LAYOUT	08- 003E- 024	A2	PDF/ DWG	Provided
25	BOAT YARD CCTV LAYOUT	08- 003E- 025	A2	PDF/ DWG	Provided
26	BOAT YARD SCHEMATIC LAYOUT	08- 003E- 026	A2	PDF/ DWG	Provided
27	ABLUTION BLOCK LIGHTING LAYOUT	08- 003E- 027	A2	PDF/ DWG	Provided
28	ABLUTION BLOCK POWER LAYOUT	08- 003E- 028	A2	PDF/ DWG	Provided
29	ABLUTION BLOCK SCHEMATIC LAYOUT	08- 003E- 029	A2	PDF/ DWG	Provided
30	PUMP ROOM LIGHTING LAYOUT	08- 003E- 030	A2	PDF/ DWG	Provided
31	PUMP ROOM POWER LAYOUT	08- 003E- 031	A2	PDF/ DWG	Provided
32	PUMP ROOM FIRE ALARM LAYOUT	08- 003E- 032	A2	PDF/ DWG	Provided
33	PUMP ROOM SCHEMATIC LAYOUT	08- 003E- 033	A2	PDF/ DWG	Provided
34	GUARD HOUSE LIGHTING LAYOUT	08- 003E- 034	A2	PDF/ DWG	Provided
35	GUARD HOUSE POWER LAYOUT	08- 003E- 035	A2	PDF/ DWG	Provided
36	GUARD HOUSE FIRE ALARM LAYOUT	08- 003E- 036	A2	PDF/ DWG	Provided
37	GUARD HOUSE CCTV LAYOUT	08- 003E- 037	A2	PDF/ DWG	Provided
38	GUARD HOUSE SCHEMATIC LAYOUT	08- 003E- 038	A2	PDF/ DWG	Provided
39	SITE PLAN STREET LIGHTING LAYOUT	08- 003E- 039	A2	PDF/ DWG	Provided
40	SITE PLAN POWER LAYOUT	08- 003E- 040	A2	PDF/ DWG	Provided
41	SITE PLAN CCTV LAYOUT	08- 003E- 041	A2	PDF/ DWG	Provided

GENERAL NOTES

1. ALL ELECTRICAL WORKS CARRIED OUT SHALL COMPLY WITH THE LATEST EDITION OF IEEE WIRING REGULATIONS, BS 7671 AND RELEVANT LOCAL AUTHORITY REQUIREMENTS.
2. EARTHING INSTALLATION SYSTEM SHALL COMPLY WITH SECTION 5 OF WIRING REGULATION. SECTION 6 & 7 SHALL BE REFERENCED FOR ALL WIRING SYSTEMS. WIRING SHALL BE IN CONCEALED CONDUIT/TRUNKING UNLESS OTHERWISE SPECIFIED BY THE EE.
3. THE MOUNTING HEIGHT OF ALL SWITCH SOCKET OUTLET SHALL BE AT 300mm FROM FINISHED FLOOR LEVEL EXCEPT IN WET AREAS WHERE IT SHALL BE 1500mm FROM FINISHED FLOOR LEVEL OR UNLESS OTHERWISE STATED.
4. THE POSITIONING OF ALL LIGHTING LUMINAIRES, SWITCH SOCKET OUTLETS, DISTRIBUTION BOARDS ETC. AS SHOWN IN THE DRAWINGS ARE APPROXIMATE ONLY. THE EXACT POSITIONS SHALL BE DETERMINED AT SITE.
5. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL LOAD BALANCING, AND LABELING OF ALL EQUIPMENT AND SWITCHBOARDS THROUGHOUT THE INSTALLATION.
6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO LIAISE WITH KPJC AND THE LOCAL AUTHORITIES FOR ALL CLEARANCES, CABLE JOINTING, TESTING AND ELECTRICITY METERING FOR THE INSTALLATION.
7. THE OVERALL RESISTANCE FOR THE EARTHING SYSTEM (ELECTRICAL) SHALL BE LESS THAN 1 OHM AND IN ANY CASE SHALL COMPLY WITH KPJC REQUIREMENTS.
8. ALL DISCHARGE LIGHTING LUMINAIRES, IF ANY, SHALL BE COMPLETE WITH BUILT-IN CONTROL GEAR, LAMP, LOW-LOSS BALLAST, AND AUXILIARY QUARTZ LAMP FOR DISCHARGE LAMP RE-STRIKING.
9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING OF ALL CABLE PENETRATION OPENINGS BETWEEN FLOOR SLAB AND WALLS ETC. WITH APPROVED FIRE RATING MATERIAL/SEALANT TO CONSULTANTS' APPROVAL.
10. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING OF ALL CABLE PENETRATION OPENINGS THROUGH ROOF FLOOR SLABS, WALLS WITH APPROVED WATERPROOF MATERIALS AFTER THE INSTALLATION OF CABLES.
11. ALL FLUORESCENT LIGHTING LUMINAIRES SHALL BE COMPLETE WITH LOW LOSS BALLAST, TUBE LAMPS, ETC. COLOR OF LIGHT OUTPUT SHALL BE AS SPECIFIED BY THE CONSULTANT OR INTERIOR DECORATOR.
12. THE ELECTRICAL SUB-CONTRACTOR SHALL BACKFILL WITH SANDBAG THE MANHOLES AND DRAW PITS TO COMPLY TO TECHNICAL SPECIFICATIONS.
13. ALL CABLES TO BE LAID IN HD UPVC PIPES SHALL BE ENCASED IN CONCRETE WHEN LAID ACROSS THE DRIVEWAY.
14. ALL UNDERGROUND WIRING SHALL BE OF XLPE/SWA/PVC CABLE (IN HD UPVC PIPE FOR HARD GROUND / PAVEMENT).
15. IT IS THE ELECTRICAL SUB-CONTRACTOR'S RESPONSIBILITY TO PROVIDE EARTH FAULT AND OVERCURRENT TRIPPING DISCRIMINATION BETWEEN THE SWITCHBOARD AND THE INCOMING FEEDER TO COMPLY WITH THE LOCAL POWER UTILITY COMPANY AND THE CONSULTANT'S REQUIREMENTS.
16. THE ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPOTENTIAL EARTHING BONDING TO ALL METAL PARTS COMPLETED BY THE OTHER TRADES TO THE NEAREST ELECTRICAL PANEL / EARTH BAR.
17. ALL WIRING TO LIGHTING LUMINAIRES SHALL COMPRISE OF APPROVED CEILING ROSE FOR INDOOR INSTALLATION AND WEATHERPROOF JUNCTION BOX FOR OUTDOOR INSTALLATION. CONNECTION TO LIGHT FIXTURE SHALL BE BY MEANS OF PVC SHEATHED FLEXIBLE CABLE FOR NORMAL SUPPLY, FR CABLE FOR EMERGENCY SUPPLY AND ARMoured CABLE FOR OUTDOOR INSTALLATION.
18. ALL LIGHTING POLE SPECIFIED SHALL COMPRISE OF RAIL MOUNTED 10A MCB IN THE COMPARTMENT. ALL POLE SHALL HAVE ITS OWN LIGHTNING ELECTRODES. OUTDOOR INSTALLATION SHALL BE IN HEAVY DUTY UPVC PIPES OF 100mm DIAMETER (MINIMUM).
19. MCB's RATED < 100A PROTECTING CABLES SUPPLYING LOADS WITH HIGH SWITCH-ON CURRENT (E.G. MOTORS, HID LAMPS, ETC.) SHALL HAVE TYPE '1' MAGNETIC CURVE RATING UNLESS OTHERWISE INDICATED IN THE PLANS. UNLESS OTHERWISE STATED, ALL BUSBAR ARE OF HD COPPER AND SHALL BE RATED AT A CURRENT DENSITY OF NO MORE THAN 1.55A/sq. mm.
20. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL NECESSARY LABOUR, MATERIALS AND EQUIPMENT FOR SATISFACTORY COMPLETION OF THE ENTIRE ELECTRICAL INSTALLATION AS GENERALLY DESCRIBED IN THE SPECIFICATION AND/OR SHOWN ON DRAWINGS.
21. ALL LOCATIONS OF EQUIPMENT AND CABLE ROUTES SHOWN ON THE DRAWING ARE APPROXIMATE. THE EXACT LOCATIONS MUST BE CO-ORDINATED ON SITE BEFORE INSTALLATION. FULLY CO-ORDINATED SHOP DRAWINGS MUST BE SUBMITTED TO THE CONSULTANT FOR APPROVAL BEFORE COMMENCEMENT OF WORK.
22. ALL SWITCHBOARDS AND DISTRIBUTION BOARDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST DEWA REGULATIONS AND THE APPROVAL OF POWER UTILITY COMPANY. THEY SHALL BE PAINTED WITH A COAT OF ANTI-RUST PAINT AND TWO COATS OF SEMI-GLOSS TEAK PAINT OF BEST QUALITY TO THE APPROVAL OF THE CONSULTANT.
23. ALL POWER CONDUITS AND TRUNKING WHICH ARE EXPOSED SHALL BE PAINTED WITH A COAT OF RUST-RESISTING PRIMER AND TWO COATS OF ELECTRIC ORANGE.
24. ALL CONDUITS SHALL BE G.I., G.I. CONDUITS SHALL COMPLY WITH THE LATEST DEWA REGULATIONS ON ELECTRICAL INSTALLATIONS. MINIMUM SIZE SHALL NOT BE LESS THAN 20mm (INSIDE DIAMETER). ALL THREADS IN CONDUITS SHALL BE TREATED WITH ALUMINUM PAINT OR SIMILAR ANTI RUST PAINT TO PREVENT CORROSION AT JOINTS AND TERMINATION. CONNECTIONS SHALL BE BY MEANS OF COUPLER, SHALL BE USED FOR DIFFERENT CIRCUITS.
25. PHASE SEGREGATION SHALL COMPLY WITH THE LATEST REQUIREMENTS OF THE IEE WIRING REGULATIONS. SEPARATE CONDUITS SHALL BE USED FOR CABLES OF DIFFERENT CIRCUIT CATEGORIES. FOR 3 PHASE FINAL CIRCUITS, SEPARATE CONDUITS SHALL BE USED FOR DIFFERENT CIRCUITS.
26. ALL LIGHTING POINTS SHALL BE PROVIDED WITH CIRCUIT PROTECTIVE CONDUCTORS AND ALL METAL PARTS SHALL BE CONTINUOUSLY EARTHED THROUGHOUT.
27. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL LIGHT LUMINAIRES AS SHOWN ON THE DRAWINGS. EACH FITTING SHALL HAVE ITS OWN INDEPENDENT SUPPORT REGARDLESS OF SURFACE, RECESSED OR SUSPENDED MOUNTING.
28. EACH CIRCUIT SHALL BE TESTED FOR GROUNDS AND SHORTS BY MEANS OF A MEGGER INSULATION RESISTANCE TESTING INSTRUMENT APPLYING A VOLTAGE OF NOT LESS THAN 500V D.C. UPON CIRCUIT UNDER TEST.
29. CABLES FOR ESSENTIAL CIRCUITS SUCH AS EMERGENCY LIGHTING CIRCUITS AND FIRE FIGHTING EQUIPMENT CIRCUITS ETC SHALL NOT BE DRAWN INTO THE SAME CONDUIT, DUCT OR TRUNKING INTENDED FOR NORMAL CIRCUITS AS PER IEE 364 WIRING REGULATION. ALL CABLES AND WIRES FOR LIFE SAFETY AND ESSENTIAL CIRCUIT SHALL BE OF 2HRS FIRE RATED.
30. FOR SINGLE PHASE SUPPLY, CIRCUITS OF DIFFERENT PHASES SHALL NOT SHARE THE SAME CONDUIT.
31. ALL SHUNT TRIP RELEASES OF ACB'S IN THE MAIN ELECTRICAL SWITCHBOARD SHALL BE RATED AT 30V DC. A BATTERY SUPPLY OF SUFFICIENT CAPACITY SHALL BE PROVIDED FOR THE TRIPPING OF ACBs. CAPACITY OF BATTERY SHALL BE SUBMITTED FOR THE CONSULTANT'S APPROVAL PRIOR TO INSTALLATION.
32. ALL EARTH TESTS SHALL BE CARRIED OUT WITH A 1000V MEGGER TEST INSTRUMENT AND IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF DEWA WIRING REGULATIONS.
33. THE LIGHTNING PROTECTION SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST DEWA REGULATIONS PRACTICE AND BS-EN 62305 AND INSTALLED TO THE SATISFACTION OF THE CONSULTANT.
34. THE ELECTRICAL CONTRACTOR SHALL LIASE WITH ELV SYSTEMS CONTRACTOR VIA THE MAIN CONTRACTOR TO ENSURE THAT POWER SUPPLIES FOR ALL EQUIPMENT ARE ADEQUATELY PROVIDED TO SUIT THE SYSTEM REQUIREMENTS.
35. EQUIPOTENTIAL BONDING SHALL BE PROVIDED FOR ALL TOILETS.
36. ALL POWER OUTLET, LIGHTING, ETC., LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE ELECTRICAL SUB-CONTRACTOR MUST CO-ORDINATE WITH LINX AND OR THE INTERIOR DESIGNER, AS WELL AS EQUIPMENT SUPPLIERS.

37. THE DISTRIBUTION AND SIZE OF THE TRUNKING/CABLE TRAY SHOWN ON THE DRAWINGS ARE MEANT TO FACILITATE THE CONTRACTOR THE PROPOSED ROUTING OF THE MAIN AND SUB-MAIN. THE CONTRACTOR SHALL SIZE THE TRUNKING/CABLE TRAY BASED ON THE EXACT CABLE SPACE AND CODE REQUIREMENTS. THE CONTRACTOR SHALL ALLOW 20% SPARE SPACE FOR FUTURE CABLE LAYING.
38. ALL ISOLATORS INSIDE MECHANICAL PLANTROOMS AND OTHER POTENTIALLY WET LOCATIONS SHALL BE PROVIDED WITH WEATHERPROOF ENCLOSURE (IP65).
39. CONTRACTOR TO CROSS REFER TO FIRE ALARM CAUSE AND EFFECT MATRIX. ALL DEVICES, INTERFACE, TERMINAL BLOCKS, WIRING, ETC. NECESSARY FOR SATISFACTORY OPERATION OF FIRE ALARM AND FIRE STRATEGY SHALL BE DEEM INCLUDED IN THIS CONTRACT.

ELECTRICAL BOARD AND COMPONENTS

1. ALL MCCB's INSTALLED SHALL COMPLETE WITH ADJUSTABLE THERMAL AND MAGNETIC SETTING OF APPROPRIATE RANGE.
2. ALL MCBs USED FOR PROTECTION OF LIGHTING AND SMALL POWER SHALL OF TYPE C CHARACTERISTIC. ALL MCCBs/MPCBs USED FOR PROTECTION OF MOTOR LOADS SHALL BE OF TYPE D CHARACTERISTIC. HOWEVER, MOTOR PROTECTION COORDINATION STUDY SHALL BE SUBMITTED BY THE CONTRACTOR FOR ENGINEER'S/CONSULTANT'S REVIEW AND APPROVAL.
3. MCCBs/MCBs IN THE MAIN SWITCHBOARDS, SUB-SWITCHBOARDS, DISTRIBUTION BOARDS SHOWN HEREIN AND OTHER DRAWINGS PROTECTING MOTOR CIRCUITS FOR PUMPS, FANS, AHU's, ETC. SHALL BE OF THE TYPE SUITABLE FOR MOTOR PROTECTION INCORPORATING OVERLOAD AND SHORT CIRCUIT PROTECTIVE DEVICES (ALSO EARTH FAULT PROTECTION WHERE SHOWN IN THE DRAWINGS) AND THEY SHALL BE SO SELECTED THAT THEY ARE ABLE TO COORDINATE WITH BOTH THE UPSTREAM AND DOWNSTREAM PROTECTION DEVICES.
4. ALL PROTECTION CTs SHALL BE OF CLASS COMPLYING TO DEWA REQUIREMENT OR BETTER.
5. ALL METERING CTs SHALL BE OF CLASS COMPLYING TO DEWA REQUIREMENT OR BETTER.
6. BUSBAR MARKINGS, ARRANGEMENTS, CONNECTIONS AND GRADE OF COPPER SHALL COMPLY AS APPROPRIATE WITH BS.159, 1433 AND 1977.
7. ALL ELECTRICAL BOARDS BUSBARS SHALL BE OF HARD DRAWN TINNED COPPER AND SHALL HAVE A CURRENT DENSITY OF NOT LESS THAN 1.55A/SQ.MM. WHEN MORE THAN ONE SET OF BUSBARS ARE USED PER PHASE, APPROPRIATE DERATING FACTOR SHALL APPLY.
8. ALL NON-CURRENT CARRYING METALLIC PARTS OF THE DISTRIBUTION BOARDS SHALL BE BONDED TO SYSTEM EARTH.
9. THERE SHALL BE A COMMON EARTH BAR IN EACH ELECTRICAL BOARD.
10. THE NEUTRAL LINKS AND EARTH BARS IN THE ELECTRICAL BOARDS SHALL BE LOCATED AT AN EASILY ACCESSIBLE POSITION AND SHALL BE KEPT CLEAR OF ANY OBSTRUCTIONS.
11. NEUTRAL AND EARTH BARS SHALL HAVE SUFFICIENT NUMBER OF WAYS TO MATCH THE NUMBER OF SUB-CIRCUITS WITH SPARES.
12. THE MINIMUM CLEARANCE AROUND THE NEUTRAL LINKS SHALL BE 50mm.
13. THE ELECTRICAL SUB-CONTRACTOR IS REQUIRED TO CARRY OUT HIS OWN FAULT LEVEL CALCULATIONS BASING ON THE CHARACTERISTICS OF THE EQUIPMENT OFFERED AND THE ACTUAL/AGREED ROUTING (SUBJECT TO THE SUPERVISING CONSULTANT APPROVAL) OF THE ACTUAL/AGREED ROUTING (SUBJECT TO THE SUPERVISING CONSULTANT APPROVAL) OF THE CABLES AND THEREAFTER SELECT THE MOST APPROPRIATE RUPTURING CAPACITY OF SUB-SWITCHBOARDS, BUSBAR TRUNKING AND DISTRIBUTION BOARDS TO MEET THE PROSPECTIVE FAULT LEVELS. ALL COSTS IN CONNECTION THEREWITH SHALL BE DEEMED TO BE INCLUDED IN THE SUB-CONTRACT SUM. THE ELECTRICAL SUB-CONTRACTOR SHALL SUBMIT DETAILED CALCULATION & SELECTION FOR ELECTRICAL CONSULTANT'S APPROVAL.
14. ALL ELECTRICAL EQUIPMENT AND ACCESSORIES THAT ARE EXPOSED TO WEATHER SHALL BE OF WEATHERPROOF TYPE TO IP65, UNLESS OTHERWISE STATED.
15. IDMTL OVERCURRENT AND EARTH FAULT RELAYS SPECIFIED SHALL BE COMPLETE WITH HIGH SET ELEMENT.
16. ALL OVERCURRENT, EARTH FAULT RELAYS AND EARTH LEAKAGE RELAYS SHALL BE TESTED ON SITE BY ELECTRICAL LICENSED TESTER AND ALL COSTS CONNECTED THEREWITH SHALL BE DEEM TO BE INCLUDED IN THE SUB-CONTRACT SUM.
17. THE ELECTRICAL SUB-CONTRACTOR IS REQUIRED TO SUBMIT DETAILS OF FINAL ARRANGEMENT AND DIMENSIONAL LAYOUT OF ALL THE ITEMS OF EQUIPMENT IN RESPECTIVE ROOMS TO SUIT SITE CONDITIONS, ETC FOR REVIEW BY THE CONSULTANT BEFORE COMMENCEMENT OF INSTALLATION.
18. ALL MOTOR SHALL BE PROVIDED WITH EMERGENCY STOP BUTTON RIGHT NEXT TO THE EQUIPMENT.
19. UNLESS OTHERWISE INDICATED, THE MCCBs/MCBs INSTALLED FOR ANY MAIN SWITCHBOARDS, SUB-BOARDS AND DISTRIBUTION BOARDS SHALL HAVE THE FOLLOWING MINIMUM BREAKING CAPACITY :

MAIN SWITCHBOARD : 50KA RMS. 1 SEC.
SUB BOARDS : 35KA RMS. 1 SEC.
DISTRIBUTION BOARDS : 10KA RMS. 1 SEC.

CO-ORDINATION AND INSTALLATION

1. THE ELECTRICAL CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEERS FOR PENETRATION THROUGH R.C. BEAMS AND FLOOR SLABS PRIOR TO CONSTRUCTION.
2. ALL CONDUITS LAYOUT AND INSTALLATION METHODS SHALL BE IDENTICAL IN ALL ROOMS AS MUCH AS POSSIBLE.
3. ALL MATERIALS/ CABLES TO BE USED AND INSTALLATION METHOD SHALL COMPLY WITH THE TECHNICAL SPECIFICATION, STANDARDS, CODE OF PRACTICE AND AUTHORITY REQUIREMENT.
4. THE ELECTRICAL CONTRACTOR IS REQUIRED TO SUBMIT DETAILS OF FINAL ARRANGEMENT AND DIMENSIONAL LAYOUT OF ALL ITEMS OF EQUIPMENT IN RESPECTIVE ROOMS TO SUIT SITE CONDITIONS, ETC. FOR REVIEW BY THE SUPERVISING CONSULTANT BEFORE COMMENCEMENT OF INSTALLATION.
5. ALL ELECTRICAL AND ELV DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE LATEST ARCHITECTURAL DRAWINGS, INTERIOR DESIGN DRAWINGS, OTHER SERVICES DRAWINGS AND SPECIFICATIONS.

LIGHTNING PROTECTION SYSTEM

1. LIGHTNING PROTECTION SYSTEM SHALL COMPLY WITH IEC CODE OF BS EN 62305.
2. THE POSITIONS OF THE ELECTRODES FOR LIGHTNING PROTECTION SYSTEM ARE APPROXIMATE ONLY. THE EXACT LOCATIONS ON SITE SHALL BE DETERMINED SUCH THAT THE SPECIFIED REQUIREMENTS OF EARTHING SYSTEM ARE COMPLIED.
3. ELECTRICAL CONTRACTOR SHALL LIAISE WITH MAIN CONTRACTOR FOR INSTALLATION OF EARTH ELECTRODE PITS. WATER PROOFING FOR ELECTRODES THROUGH R.C SLAB SHALL BE PROVIDED UNDER THIS CONTRACT.
4. ALL PENETRATIONS THROUGH ROOF TO BE MADE WATER TIGHT AFTER INSTALLATION OF DOWN CONDUCTOR CABLES, ETC.

EARTHING SYSTEM

1. EARTH RESISTANCE WILL BE TESTED UPON COMPLETION OF EACH EARTHING POINT INSTALLATION BEFORE INTERCONNECTION OF THE EARTH POINT.
2. EARTH RESISTMITY TEST SHALL BE CARRIED AT EACH EARTHING POINT.
3. ALL TAPE/CABLES/CLAMP CONTACT SURFACE SHALL BE HEAVILY TINNED PRIOR TO CONNECTION.
4. PRECAUTIONARY MEASURES SHALL BE TAKEN SO AS NOT TO OVER EXCAVATE THE EARTHING PIT.
5. PROPRIETARY CAD WELD CONNECTION SHALL BE EMPLOYED FOR CONNECTING EARTH CABLE TO EARTHING POINT STRICTLY IN ACCORDANCE TO THE INSTRUCTION OF THE SUPPLIER.
6. IMMEDIATELY UPON COMPLETION OF EACH GROUP OF EARTH POINT INSTALLATION, TEST SHALL BE CARRIED OUT TO ESTABLISH THE EARTH RESISTANCE. THE TEST RESULTS SHALL BE SUBMITTED TO CONSULTANT FOR APPROVAL.
7. AFTER COMPLETION OF THE EARTHING INSTALLATION AND SATISFACTORY TESTING, EACH OF THE EARTHING PIT SHALL BE SUITABLY GROUTED TO SUPERVISING CONSULTANT REQUIREMENT TO PREVENT INGRESS OF GROUND WATER. GROUTING MATERIALS USED SHALL BE SUBJECT TO CONSULTANT'S APPROVAL.

CABLES AND ANCILLARY PRODUCTS

1. ALL CABLES / WIRES FOR FINAL SUB-CIRCUIT WIRINGS SHALL BE PVC, MULTI-STRAND COPPER CONDUCTORS.
2. NO PVC CONDUIT/TRUNKING SHALL BE ALLOWED FOR THE WHOLE ELECTRICAL INSTALLATION UNLESS OTHERWISE STATED. IN GENERAL, ALL WIRING SHALL BE DONE WITHIN CONDUIT EMBEDDED IN SLAB FOR ALL SEVICES.
3. SEPARATE CONDUIT/MULTI-GANG SWITCH BOX SHALL BE PROVIDED FOR FINAL SUB-CIRCUIT OF DIFFERENT PHASES. ALSO A SIGN SHALL BE PROVIDED TO INDICATE THE VOLTAGE BETWEEN THEM IN ACCORDANCE WITH DEWA REGULATION FOR THE INSTALLATIONS.
4. ALL EXTERNAL/LANDSCAPE LIGHTING POINTS SHALL BE PROVIDED WITH CABLES WITH ADDITIONAL LENGTH OF 5m.
5. SPACE FACTOR OF CONDUIT & TRUNKING SHALL COMPLY WITH DEWA REGULATION OF PRACTICE FOR WIRING OF ELECTRICAL EQUIPMENT OF BUILDINGS.
6. ALL SUB-MAINS CIRCUITS TO BE COMPLETE WITH CIRCUIT PROTECTIVE CONDUCTOR (CPC) COMPLYING TO DEWA REGULATION FOR THE INSTALLATIONS.
7. NEUTRAL & EARTH CABLES FOR EACH DIFFERENT CIRCUIT SHALL BE BROUGHT BACK TO THE SOURCE PANEL AND SHALL NOT BE LOOPED TOGETHER OUTSIDE THE PANEL.
8. ALL ELECTRICAL CONDUITS AND CONDUIT BOXES TO CAST WITHIN R.C. SLAB AT WET AREAS MUST HAVE TIGHTLY SEALED AND WATERPROOF JOINTS.
9. ALL UNDERGROUND JUNCTION BOXES SHALL BE OF G.I., TYPE. KNOCK OUT BOXES SHALL NOT BE USED AS UNDERFLOOR JUNCTION BOXES.
10. THE SIZES OF CABLE TRAY/TRUNKING/CONDUIT AS SHOWN IN DRAWINGS ARE APPROXIMATE ONLY. ELECTRICAL SUB-CONTRACTOR IS DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY ADJUSTMENT TO ACCOMMODATE THE CABLES AND SHALL SUBMIT ALL DETAILED CO-ORDINATED CABLE CONDUIT/TRUNKING/TRAY/ LADDER ROUTE PLANS AND SECTION DRAWINGS TO THE SUPERVISION CONSULTANT FOR CLEARANCE PRIOR TO STARTING WORK ON SITE.
11. ALL UNDERGROUND CABLES CROSSING DRIVEWAYS OR HARDCORE AREAS ARE TO BE PROVIDED WITH HEAVY DUTY PVC PIPES, ENCASED IN CONCRETE WITH FULL HAUNCHING.
12. ALL STRAIGHT CONDUIT RUNS EXCEEDING 8 METERS SHALL BE PROVIDED WITH JUNCTION BOX TO FACILITATE EASY WIRE / CABLE PULLING.
14. ALL FEEDER CABLES SHALL BE XLPE / SWA / LSOH FOR NORMAL CRUIT AND XLPE / SWA / FR FOR EMERGENCY CIRCUITS.

LUMINAIRES

1. ALL LIGHTING SWITCHES SHALL COMPLY WITH CIBSE STANDARD, KENYA GREEN BUILDING REGULATION AND SHALL BE OF THE APPROVED TYPE.
2. FLUORESCENT LAMP TUBES USED AT PUBLIC AREAS SHALL BE OF COLOUR 83 WARM WHITE AND INSTANT START UNLESS OTHERWISE STATED AND OF LOW LOSS ENERGY SAVING TYPE.
3. ELECTRICAL CONTRACTOR SHALL REFER TO LIGHTING CONSULTANT – FOR FURTHER NOTES AND LEGENDS.
4. ALL EXIT LIGHTINGS SHALL BE POSITIONED NOT MORE THAN 2.4m ABOVE FFL. TO CENTRE OF FITTING.

POWER OUTLETS

1. SWITCH SOCKET OUTLETS AND SWITCHES MOUNTED SURFACE AT PLANTROOMS, STORES AND SIMILAR AREAS SHALL BE OF WEATHER PROOF TYPE UNLESS OTHERWISE STATED.
2. ALL ELECTRICAL EQUIPMENT & ACCESSORIES THAT ARE EXPOSED OR LESS THAN 2.0M AWAY FROM WET AREA SHALL BE OF WATERPROOF TYPE.
3. COLOUR FOR ALL SWITCHES, SWITCH SOCKET OUTLETS SHALL BE AS PER SUPERVISING CONSULTANT'S / ARCHITECT'S / INTERIOR DESIGNER'S SELECTION.
4. UNLESS OTHERWISE INDICATED, THE MOUNTING HEIGHTS FROM FINISHED FLOOR LEVELS FOR VARIOUS ITEMS OF ELECTRICAL WIRING ACCESSORIES/ EQUIPMENT SHALL BE AS FOLLOWS:
- LIGHTING SWITCHES

SWITCH SOCKET OUTLETS

DISTRIBUTION BOARDS

WALL/COLUMN LIGHTS

-

-

-

-

1400mm TO CENTRELINE

300mm TO CENTRELINE

GENERALLY 1800mm TO TOP OF BOARD

2500mm TO CENTRELINE
5. THE ELECTRICAL CONTRACTOR SHALL NOTE THAT THE POSITIONS OF ELECTRICAL POINTS, LUMINAIRES, LIGHTING SWITCHES, SWITCH SOCKET OUTLETS ETC. ARE INDICATIVE AND APPROXIMATE AS SHOWN ON DRAWINGS. THE ACTUAL POSITIONS SHALL BE BASED ON THE CONSULTANT'S OR INTERIOR DESIGNER'S DRAWING. THE ELECTRICAL SUB-CONTRACTOR IS DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY SITE ADJUSTMENT TO SUIT THE FINAL POSITIONS.
6. LOCATIONS FOR ELECTRICAL DISTRIBUTION BOARDS SHOWN IN THE PLANS ARE INDICATIVE ONLY. ELECTRICAL SUB-CONTRACTOR SHALL VERIFY ON SITE AND PROPOSE THEIR ACTUAL LOCATIONS ON THE SHOP DRAWING FOR CLEARANCE.
7. ELECTRICAL DISTRIBUTION BOARD SHALL NOT BE MOUNTED MORE THAN 1800mm ABOVE FFL. (MEASURED FROM FFL TO TOP OF DISTRIBUTION BOARD).
8. ALL ISOLATOR SHALL BE IP-65, IN METAL CABINET AND PAD-LOCKABLE.
9. FINAL LOCATION AND MOUNTING HEIGHT OF WIRING DEVICES SHALL BE COORDINATED WITH ARCHITECT AND ID CONSULTANT.
10. MOTORIZED DAMPER AND MOTORIZED VALVE WHERE REQUIRED BY MECHANICAL SHALL BE PROVIDED WITH RESPECTIVE FUSE CONNECTION UNIT TO BE CONNECTED TO RELATED EQUIPMENT LMCP OR AS OTHERWISE SHOWN ON PLAN.

TENDER ISSUE

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

























Sign:	
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DRAWING TITLE:

ELECTRICAL DRAWINGS
NOTES

Dwg. No.	05- 003E- 002		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
05	24.11.2023		

SCHEDULE OF SYMBOLS AND LIGHTING LUMINAIRES

	10A 1 GANG 1 WAY white moulded switch plates
	10 2 GANG 1 WAY white moulded switch plates
	10A 3 GANG 1 WAY white moulded switch plates
	10A 3 GANG 1 WAY white moulded switch plates
	10A 1 GANG 2 WAY white moulded switch plates
	10A 2 GANG 2 WAY white moulded switch plates
	Outlet for 13A twin switched socket outlet complete with concealed conduit, box wiring in 3 x 2.5 mm² SC-PVC-CU cables and 13A twin switched socket outlet plate for raw power
	Outlet for 13A twin switched socket outlet complete with concealed conduit, box wiring in 3 x 2.5 mm² SC-PVC-CU cables and 13A twin switched socket outlet plate for clean power
	TPN Distribution Board Complete with 100A TP integral isolator and all accessories including lockable cover with the the required MCB's and Blanking plates
	SPN Consumer Unit complete with 100A SPN integral isolator and all accessories including lockable cover with the the required MCB's and Blanking plates
	Outlet for RJ45 face plate, complete with concealed HG PVC conduit, square PVC box, draw wire and blanking plate
	Outlet for Television coaxial cable outlet point, complete with concealed HG PVC conduit, square PVC box, draw wire and TV outlet point
	Outlet for cooker control unit comprising wiring in 3x6.0mm2 SC-PVC CU cables, twin box Dia. 25mm socket with neon lamp
	Outlet for 15A round pin socket outlet complete with concealed conduit, box wiring in 3 x 4 mm² SC-PVC-CU cables and all accessories including 15A round pin socket outlet plate
	Extra Low Voltage manhole HG PVC conduit link, and all accessories including 45A DP cooker control unit with neon lamp, and 13A integral
	Power manhole
	Outlet point for instant water heaters, AC, Fans and under- sink water heater comprising 20mm diameter conduit, wiring in 3 x 4.0 mm² SC-PVC-CU cables and all accessories including 20A DP switch with neon light
	400mm Wide Cable Ladder
	400mm Wide Cable Tray for Power
	400mm Wide Cable Tray for Data
	Addressable Heat Detector
	Addressable Fire Alarm Control Panel
	Addressable Smoke Detector
	Addressable Push Button, Electric Sounder & Beacon

	1200mm 12W LED Mirror Front Light, surface mounted, 4000K Bathroom Mirror Light
	High Quality Ultra Thin 12W Led Panel 300X300Mm Square Panel Light Indoor Lighting For Bathroom Type 2
	Type 'N' 12W LED 2D fixture for installation in stairwells and corridors
	Type Maintained LED fixture for Emergency installation with 3 - hour autonomy
	Type '4C' 34W 1200mm High performance LED IP65, dust and moisture resistant luminaire
	Type '4' 40W 1200mmX300mm High performance dust and moisture resistant luminarie
	Type 'C' 12W super efficient LED downlighter
	Type 'M' 50W Solar Floodlight for security lighting, mounted on building's walls
	600x600mm, 36W, super efficient Surface LED modular luminaries with curved diffuser
	Type 'X' Bulkhead wall mounted light for the lift shaft
	8W maintained LED Exit Emergency Light. Minimum 3-hour autonomy.
	PIR Motion Sensor
	25mm x 3mm tinned annealed copper tape for both roof & down conductors
	15mm multiple point copper air terminal complete with base
	Type 'F2' 1500W High Volume Low Speed (HVLS) 5 blade ceiling fan for auditorium. Blade size: 12 feet; Fan Speed: 50RPM; Noise Level: 50DB
	Type 'F1' 49W 3 Blade Basic Ceiling Sweep Fan . Sweep: 1200mm; Fan Speed: 350RPM
	IP 67- Water & Dust Resistant, 4MP, Excellent low- light performance, 24 colourful imaging, Efficient Compression Technology Bullet CCTV Camera
	IP 67- Water & Dust Resistant, 4MP, Excellent low- light performance, 24 colourful imaging, Efficient Compression Technology DOME CCTV Camera



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

SCHEDULE OF SYMBOLS
AND LIGHTING
LUMINAIRES

Dwg. No.	05- 003E- 003		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
01	24.11.2023		



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

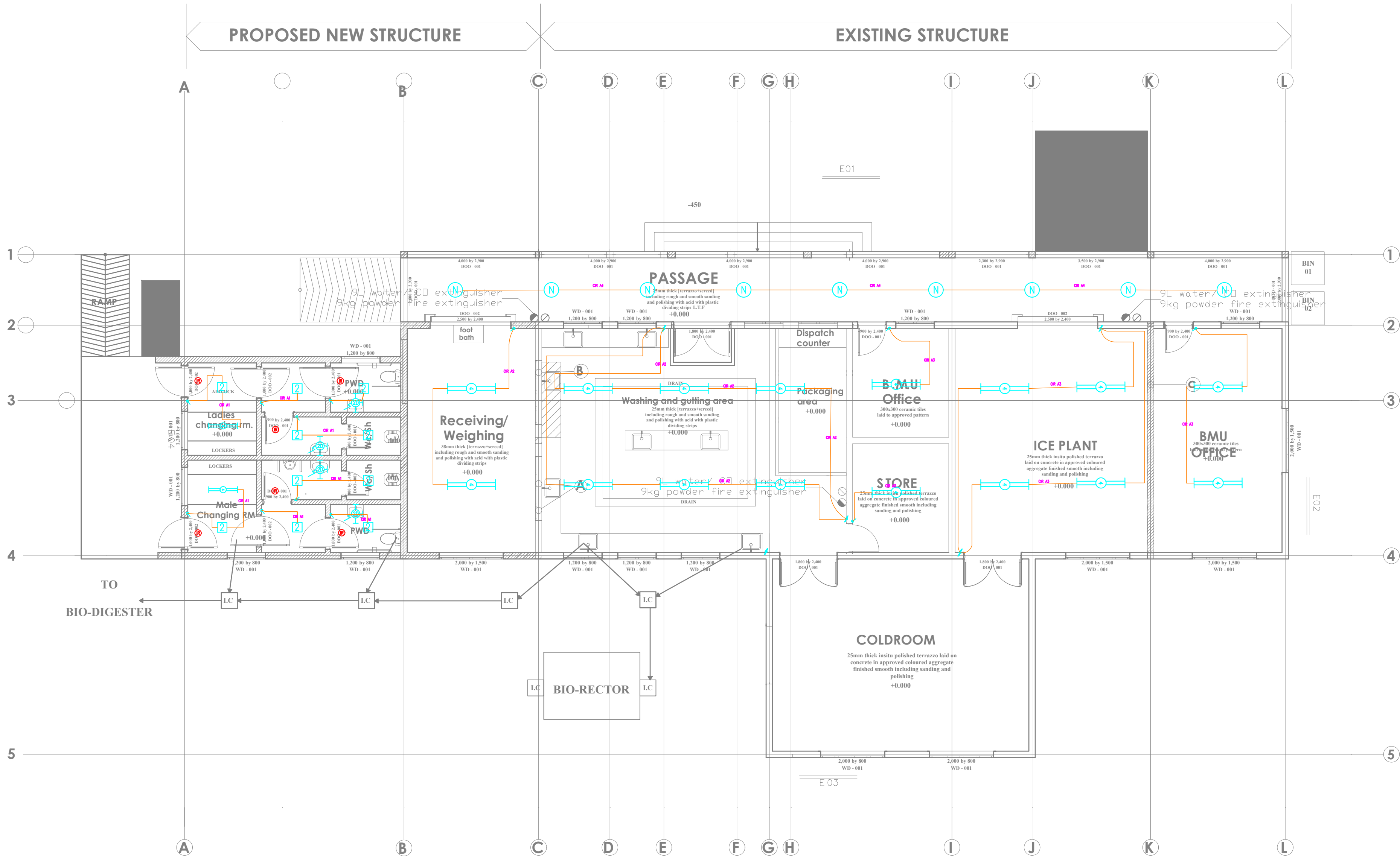
STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
FISH BANDA BLOCK
LIGHTING LAYOUT

Dwg. No.	08- 003E- 004
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
08	14.01.2024



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REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

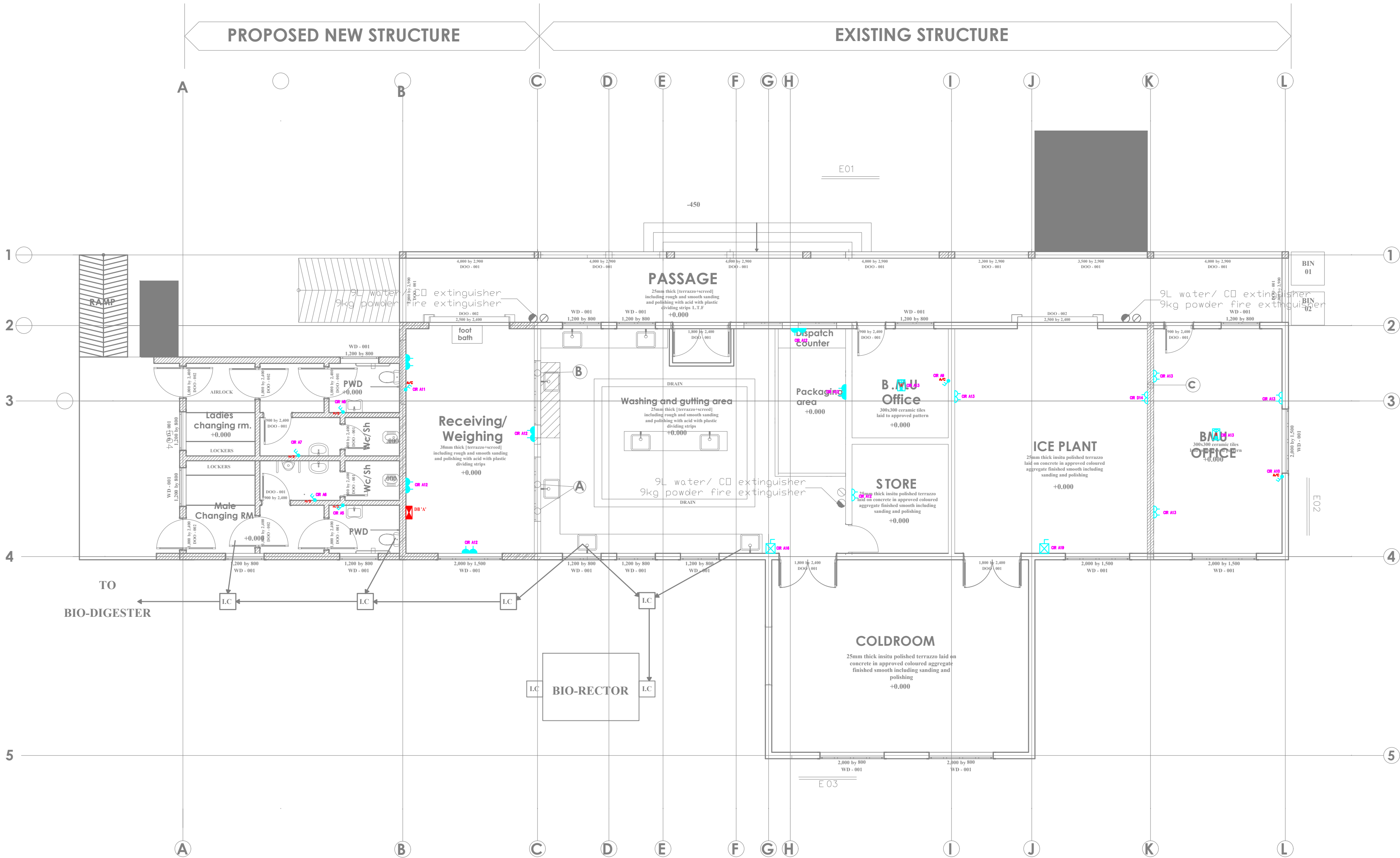
FISH BANDA BLOCK POWER
LAYOUT

Dwg. No. 08- 003E- 005

Scale: NTS

Drawn by _____ Check'd By _____

Project no.: 08 Date: 14.01.2024



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REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
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OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

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DRAWING TITLE:

FISH BANDA BLOCK FIRE
ALARM LAYOUT

Dwg. No. 08- 003E- 006

Scale: NTS

Drawn by Chek'd By

Project no.:

08

Date:

14.01.2024



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OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

FISH BANDA BLOCK CCTV
LAYOUT

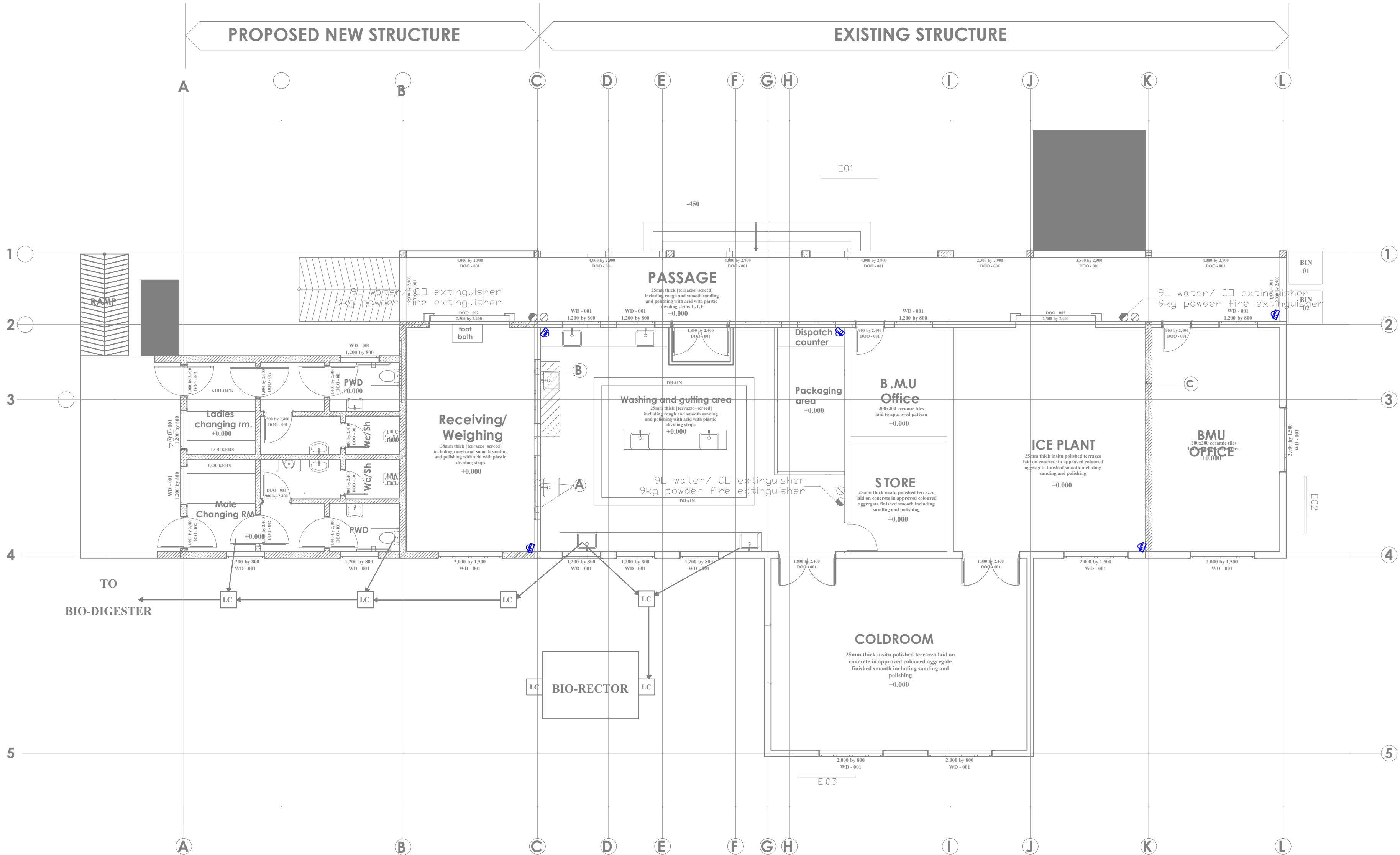
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH LANDING SITES/MARKETS FISHERIES OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
FISH BANDA BLOCK AC
LAYOUT

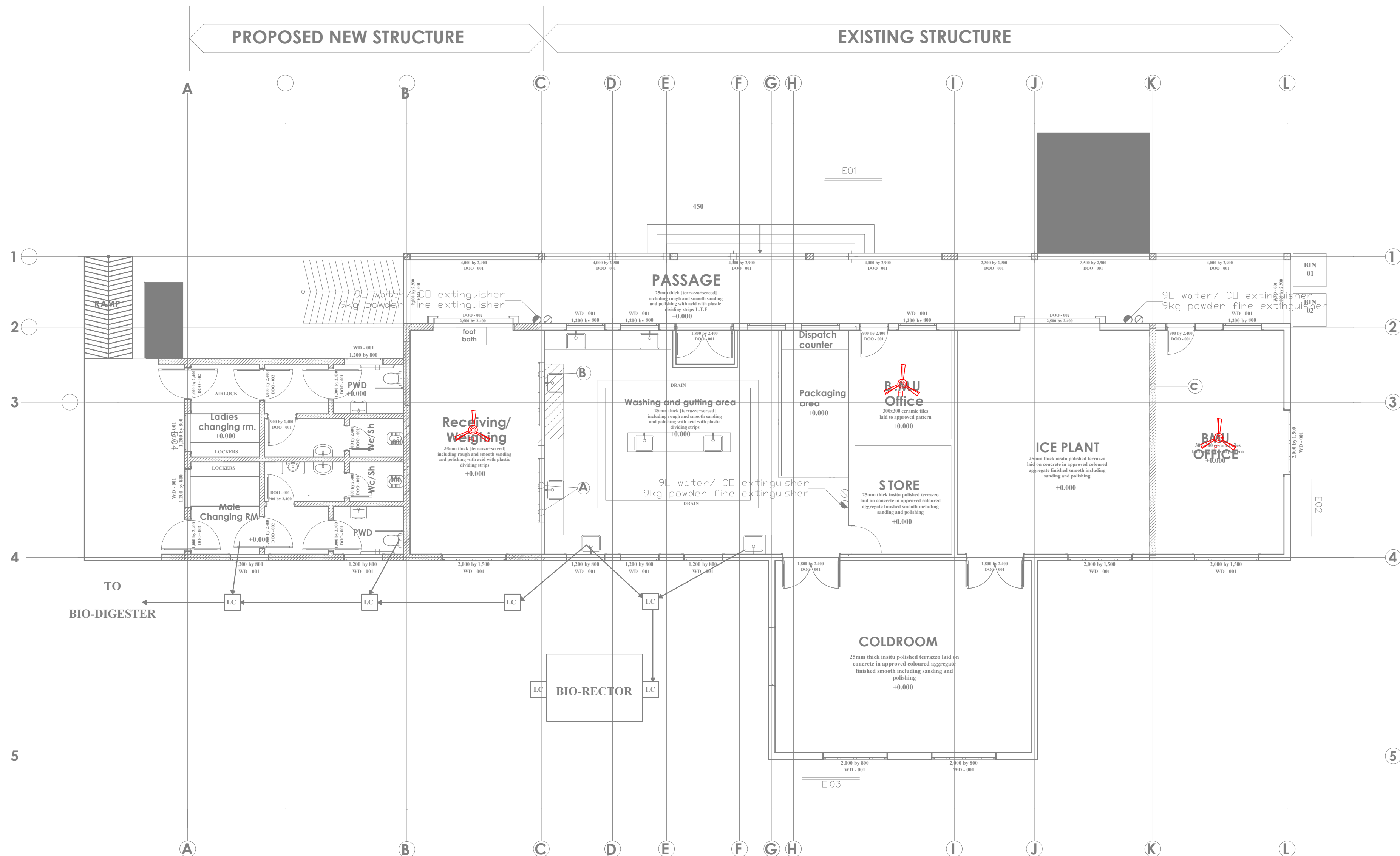
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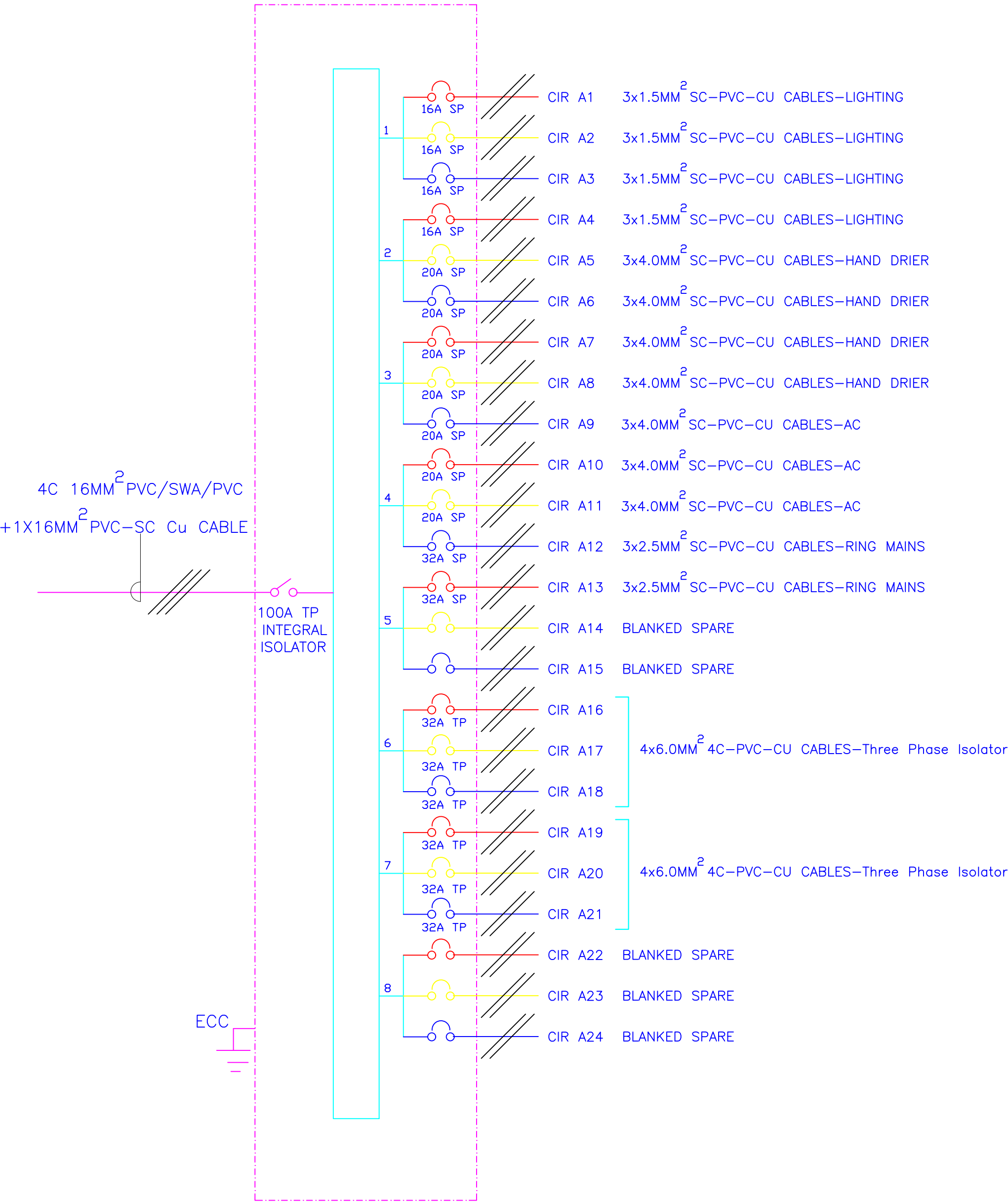
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Drawn by	Chek'd By
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Project no.:	Date:
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08 | 14.01.2024





8- WAY 100A TPN DISTRIBUTION BOARD 'A' FOR
RAW POWER DISTRIBUTION IN FISH BANDA



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

FISH BANDA BLOCK
SCHEMATIC LAYOUT

Dwg. No.	08- 003E- 009	
Scale:	NTS	
Drawn by	Chek'd By	
Project no.:		Date:
08		14.01.2024

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PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

MULTI PURPOSE BLOCK
LIGHTING LAYOUT

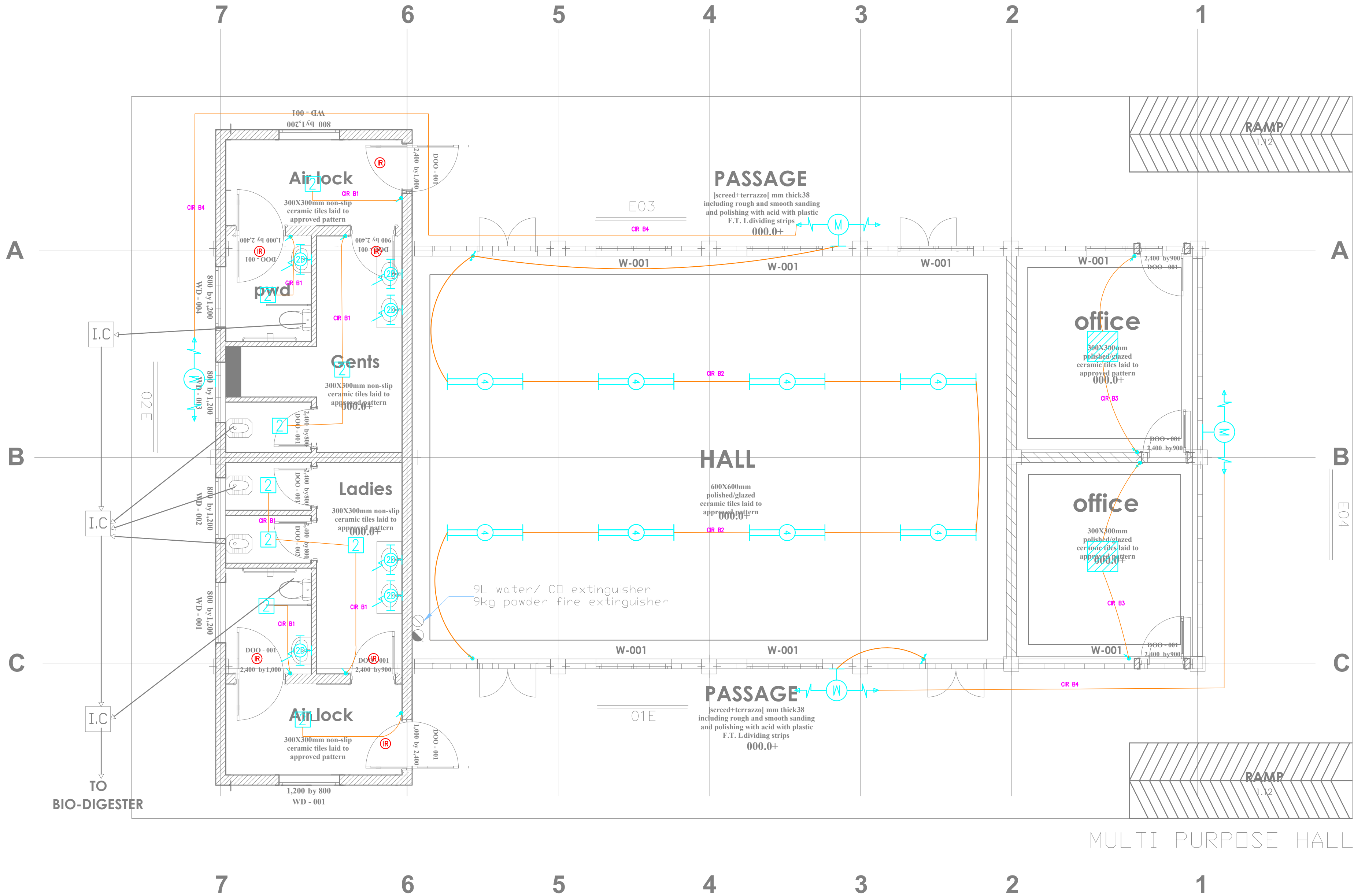
Dwg. No. 08- 003E- 0010

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Project no.: Date:

08 14.01.2024



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PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH LANDING SITES/MARKETS FISHERIES OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

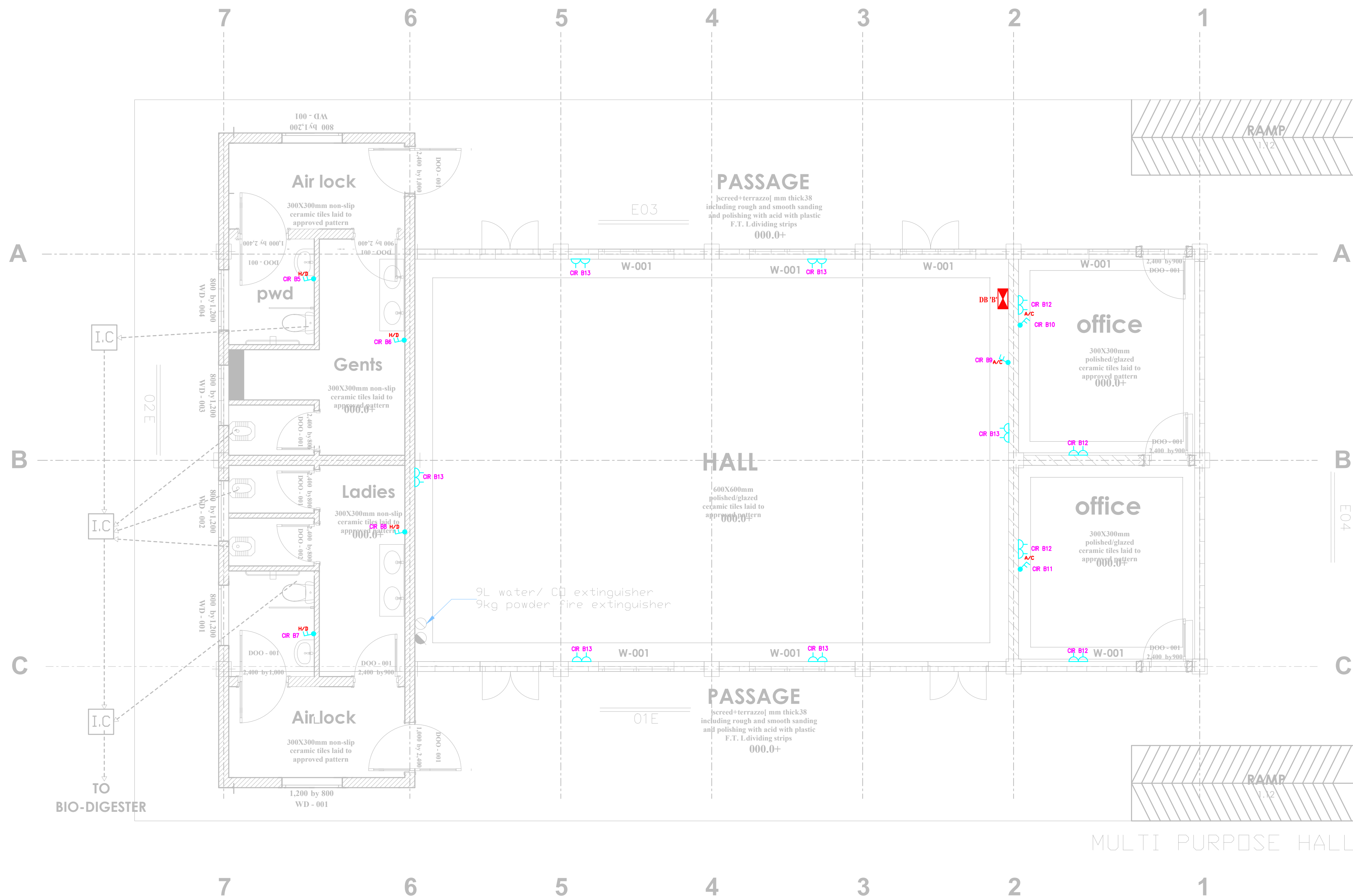
CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

MULTI PURPOSE BLOCK POWER LAYOUT

Dwg. No.	08-003E-011		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

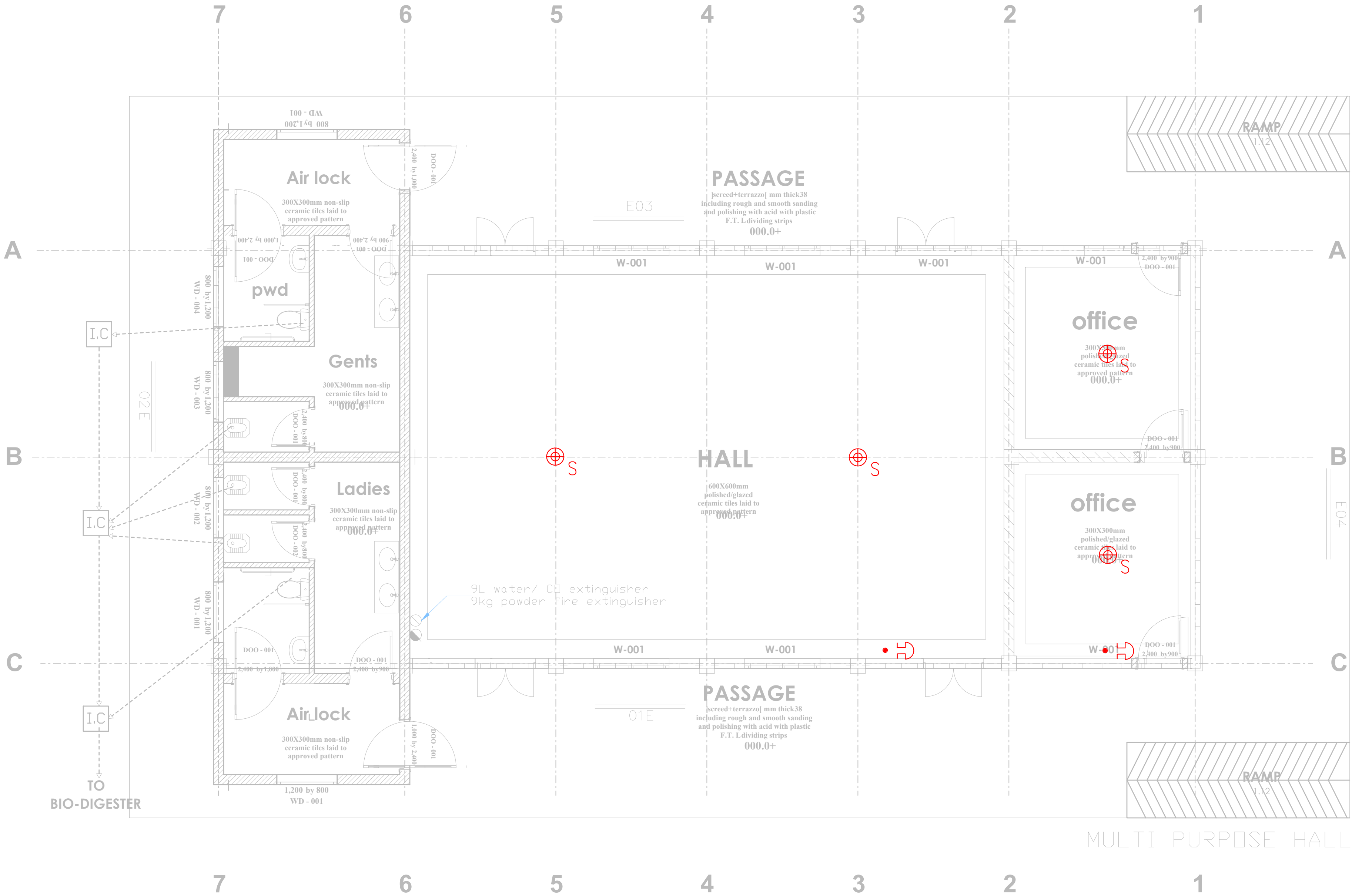
CLIENT'S SIGNATURE:

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DRAWING TITLE:

MULTI PURPOSE BLOCK
FIRE ALARM LAYOUT

Dwg. No.	08- 003E- 012
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
08	14.01.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

MULTI PURPOSE BLOCK
CCTV LAYOUT

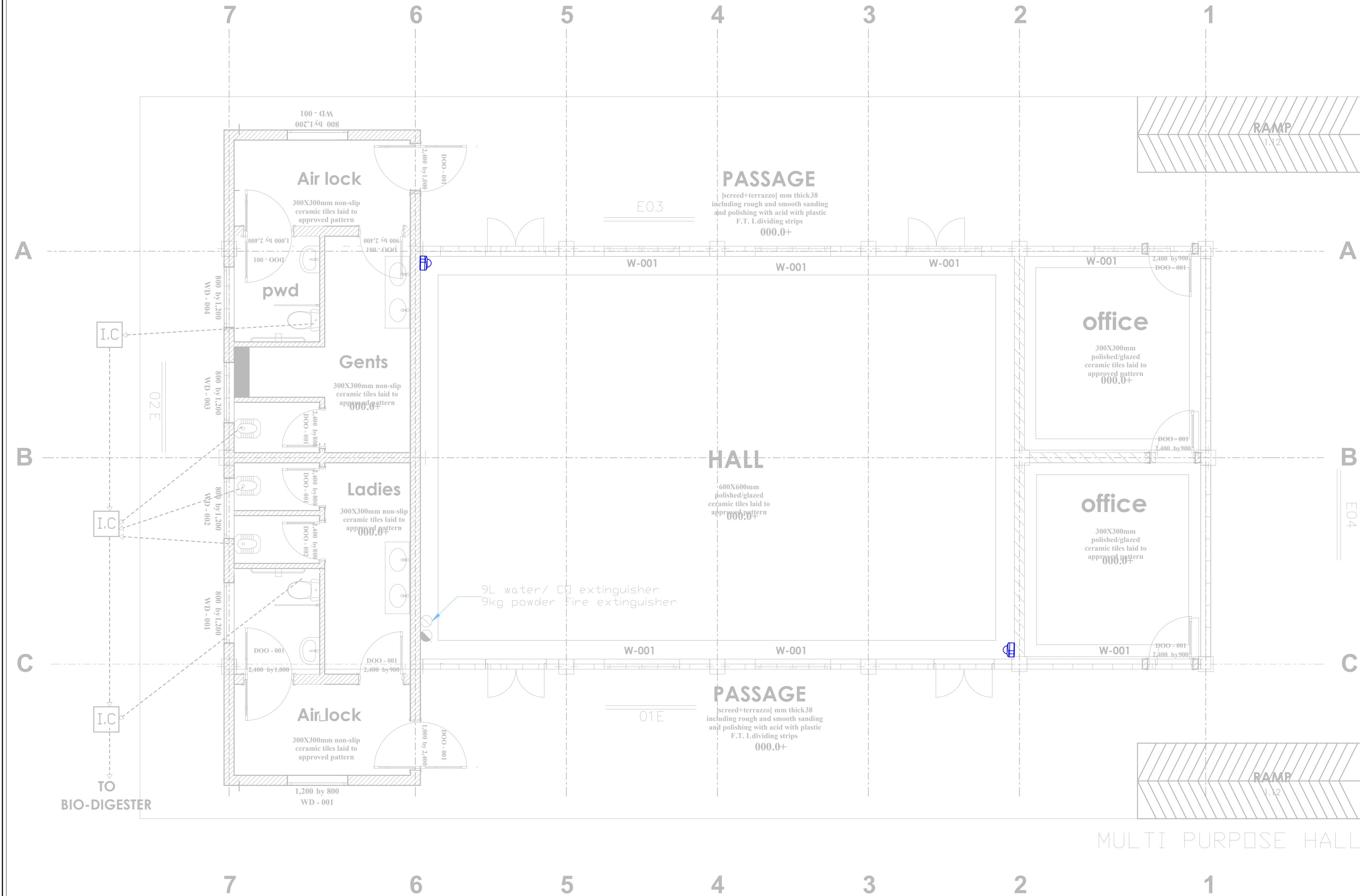
Dwg. No. 08- 003E- 013

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Project no.: Date:

08 14.01.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

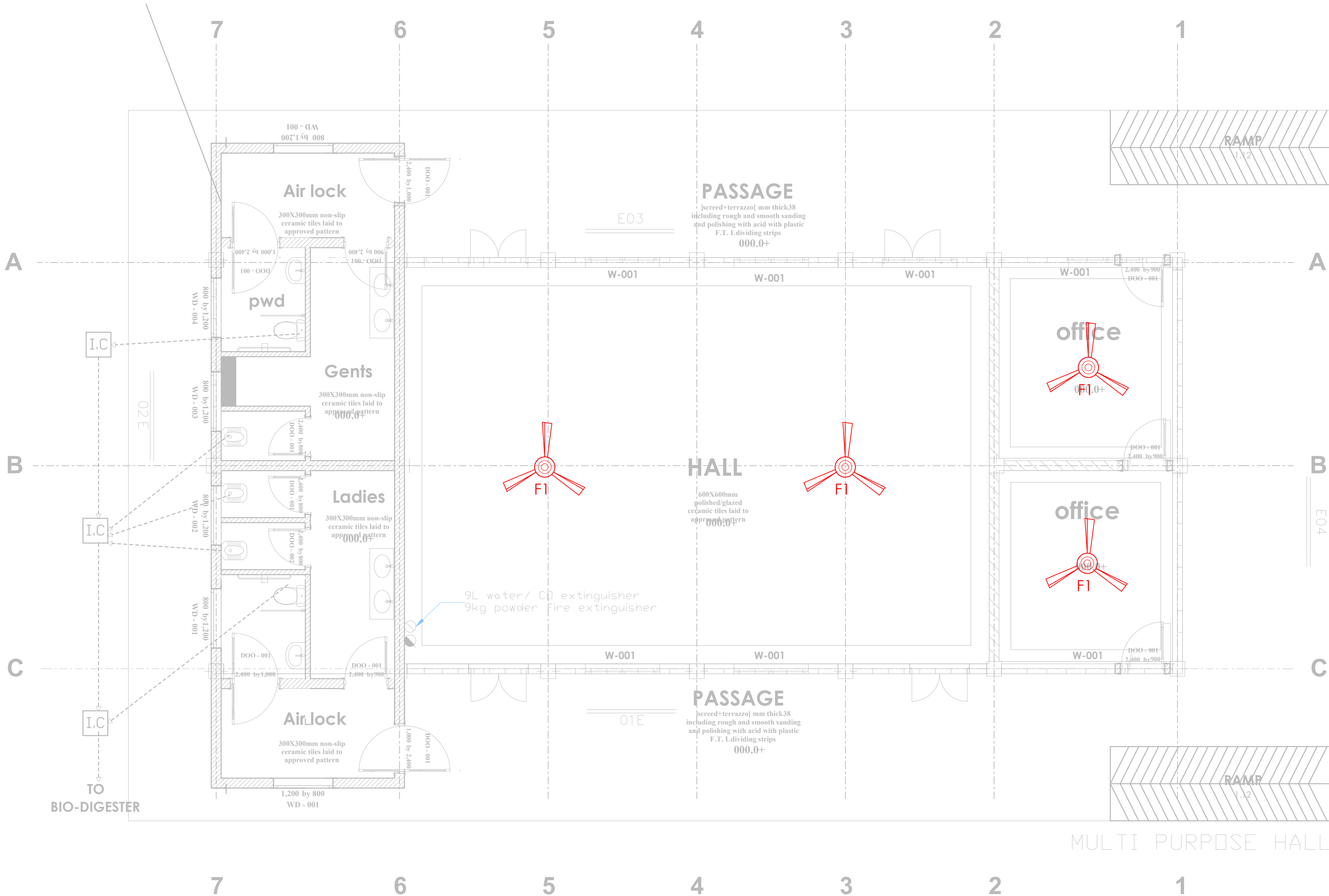
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LAYOUT

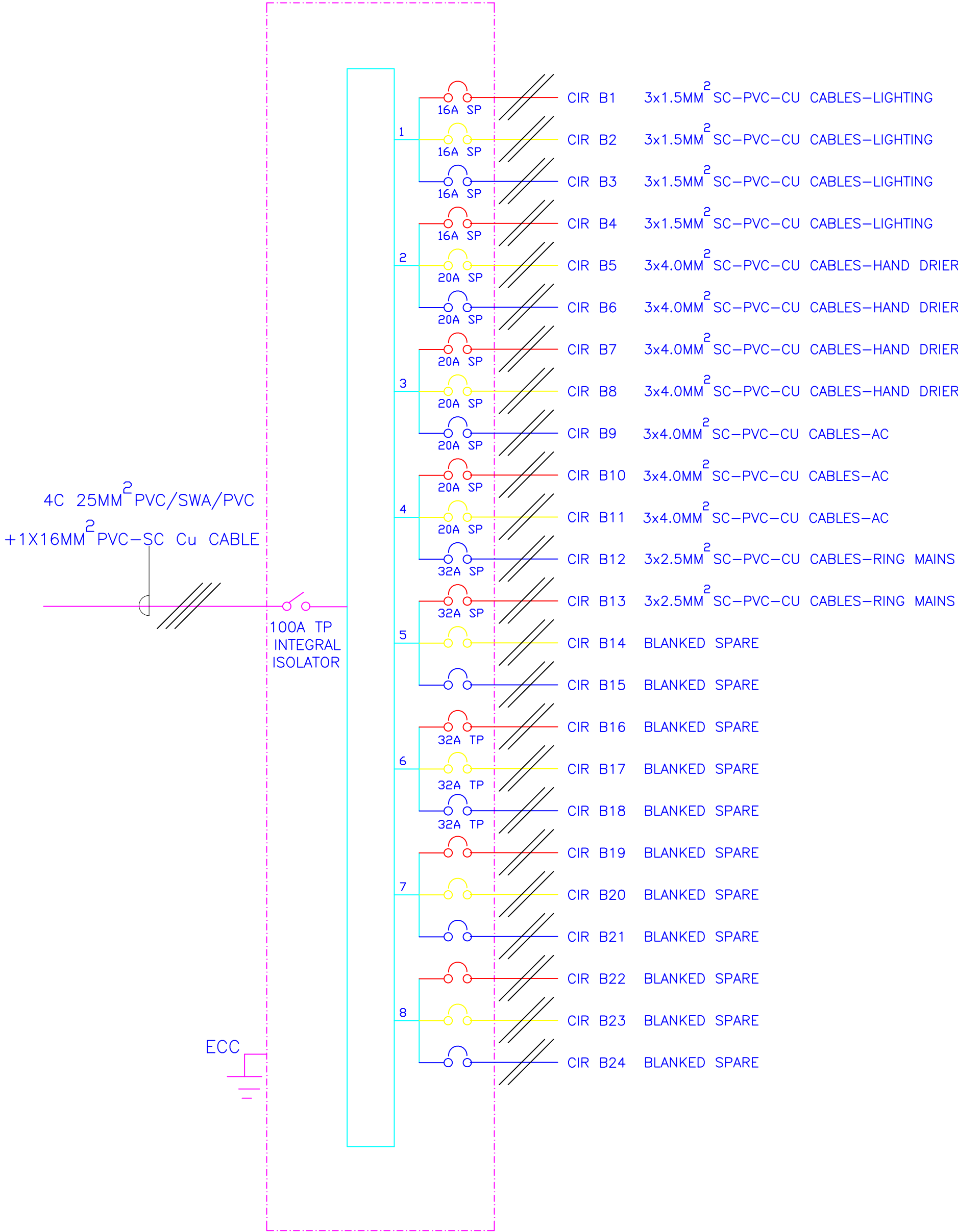
Dwg. No. 08- 003E- 014

Scale: NTS

Drawn by Chek'd By

Project no.: 08 Date: 14.01.2024





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RAW POWER DISTRIBUTION IN MEETING HALL



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

MULTI PURPOSE BLOCK
SCHEMATIC LAYOUT

Dwg. No.	08- 003E- 015		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	08		Date:
		14.01.2024	



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REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

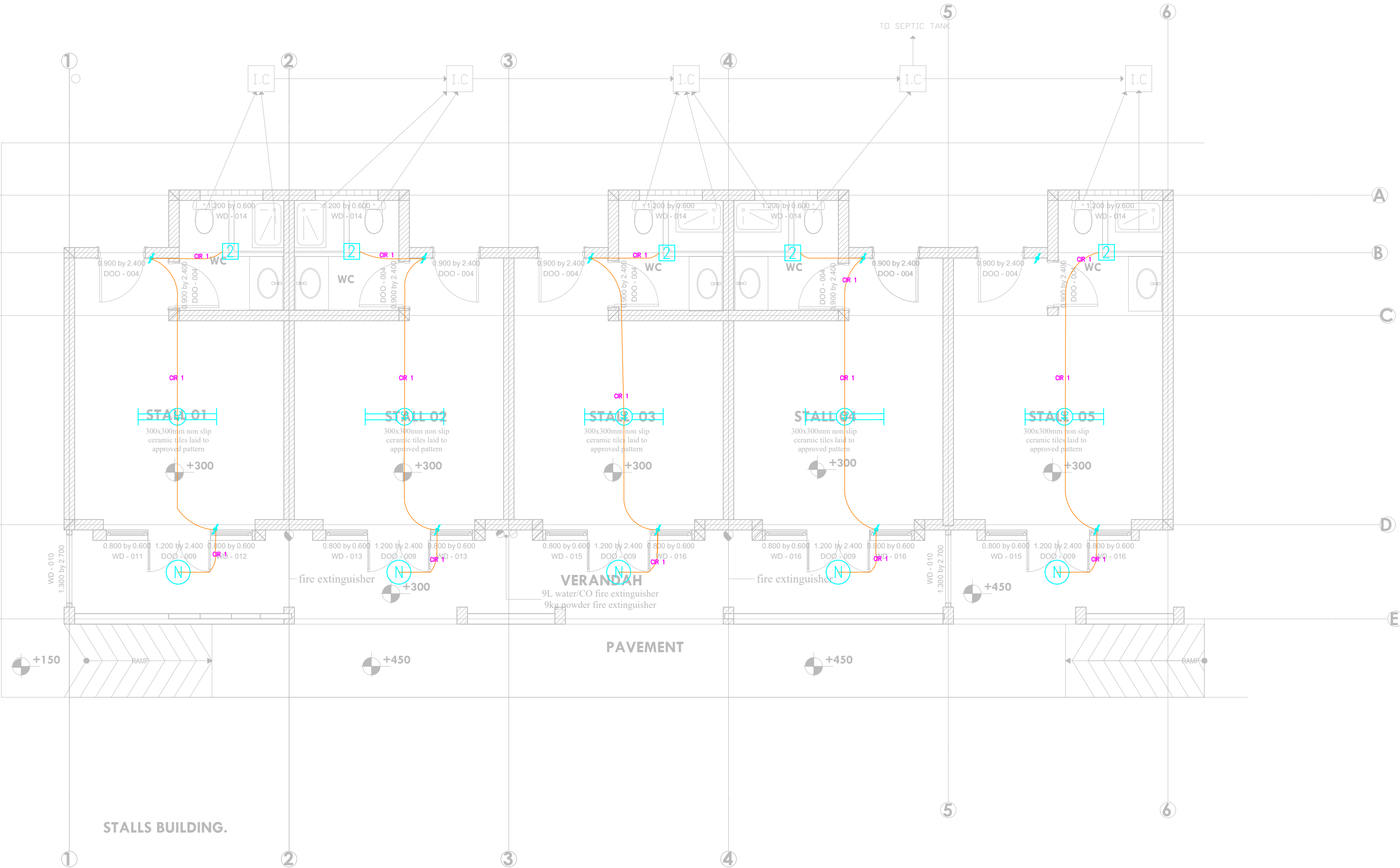
**STALLS BLOCK LIGHTING
LAYOUT**

Dwg. No. **08- 003E- 016**

Scale: NTS

Drawn by Chek'd By

Project no.: 08 Date: 14.01.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

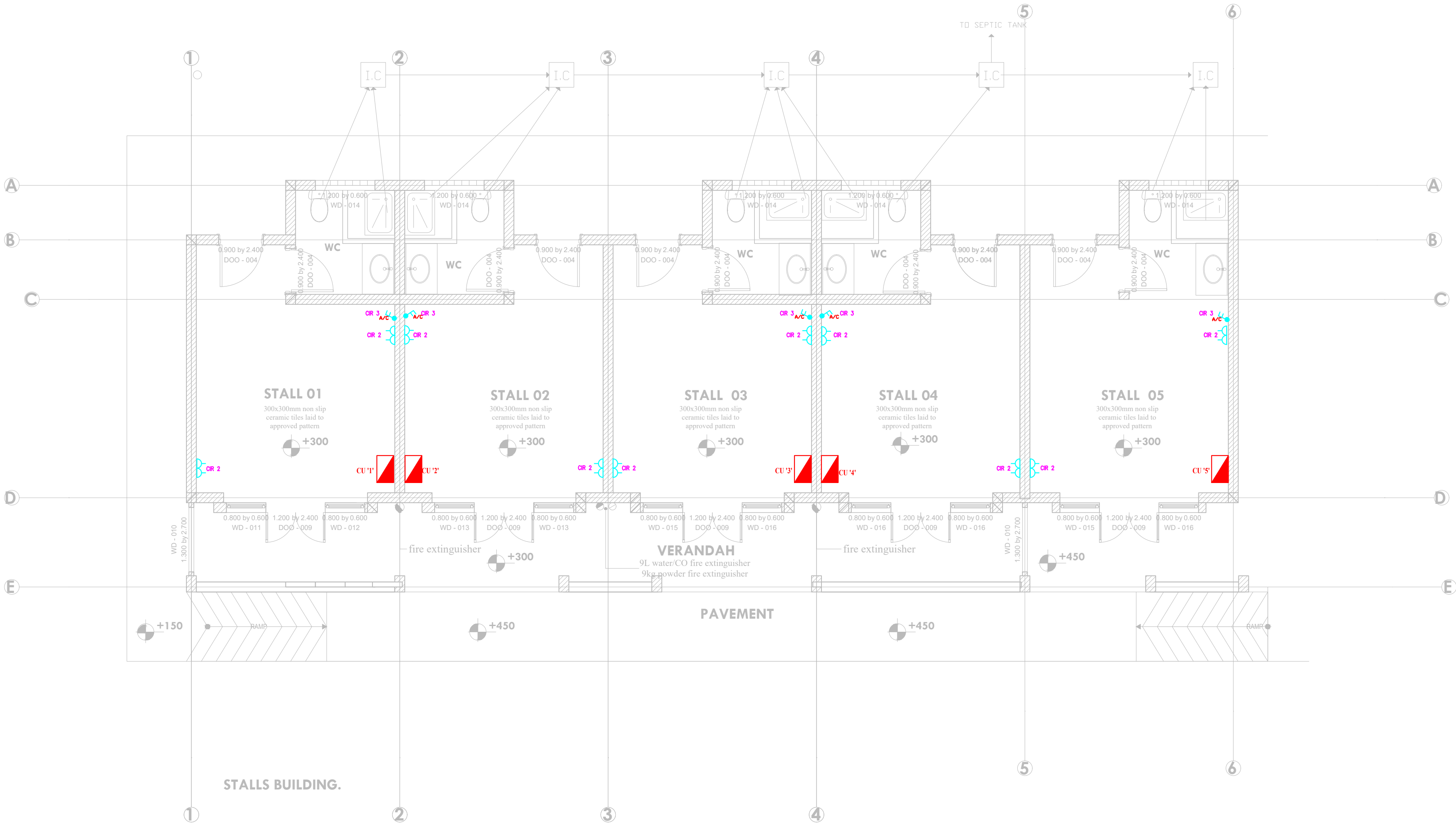
STALLS BLOCK POWER
LAYOUT

Dwg. No. 08- 003E- 017

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Project no.:	Date:
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

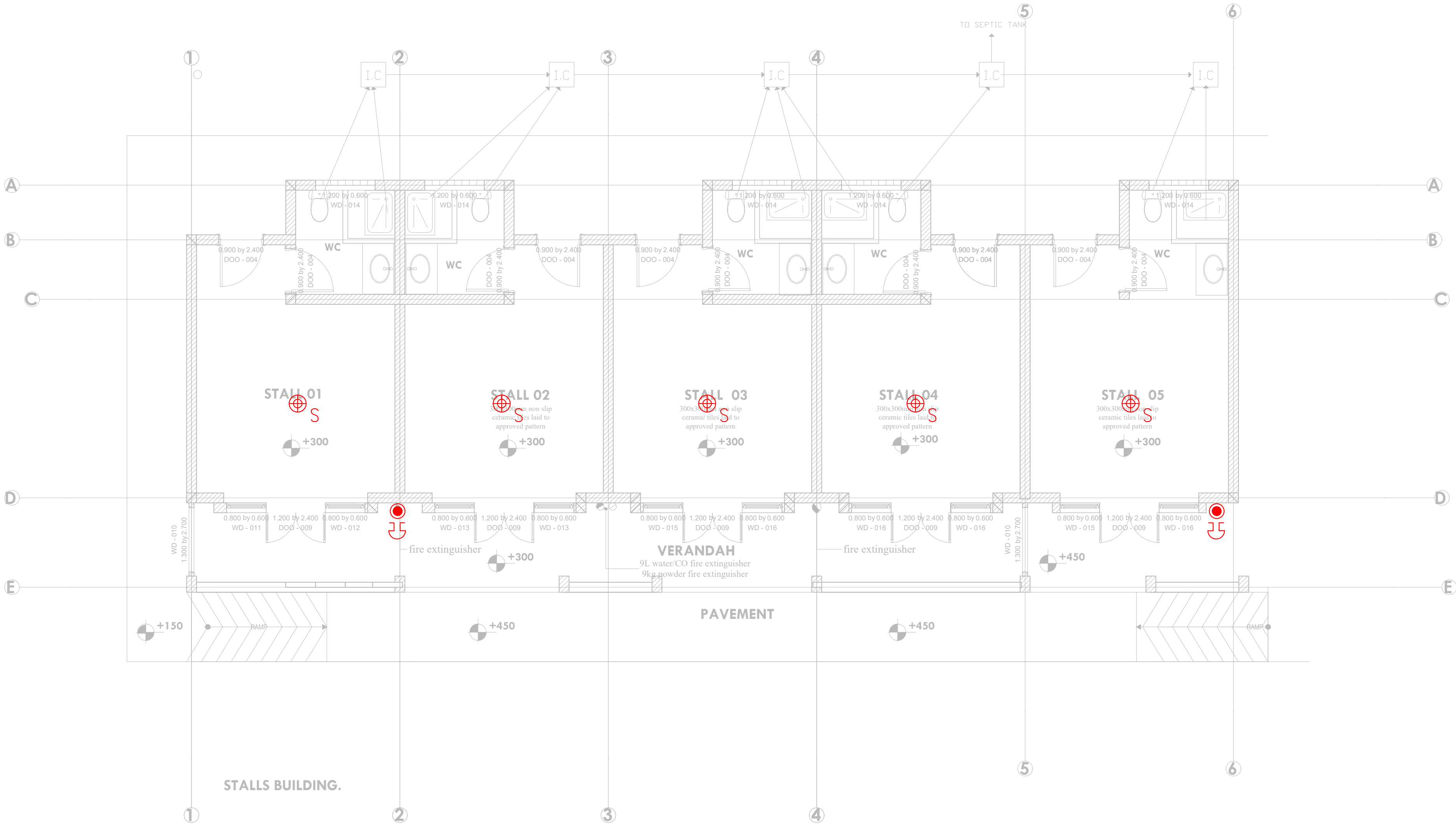
**STALLS BLOCK FIRE ALARM
LAYOUT**

Dwg. No. **08- 003E- 018**

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Project no.:	Date:
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

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DRAWING TITLE:

STALLS BLOCK AC LAYOUT

Dwg. No. 08- 003E- 019

Scale: NTS

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Project no.:	Date:
08	14.01.2024





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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

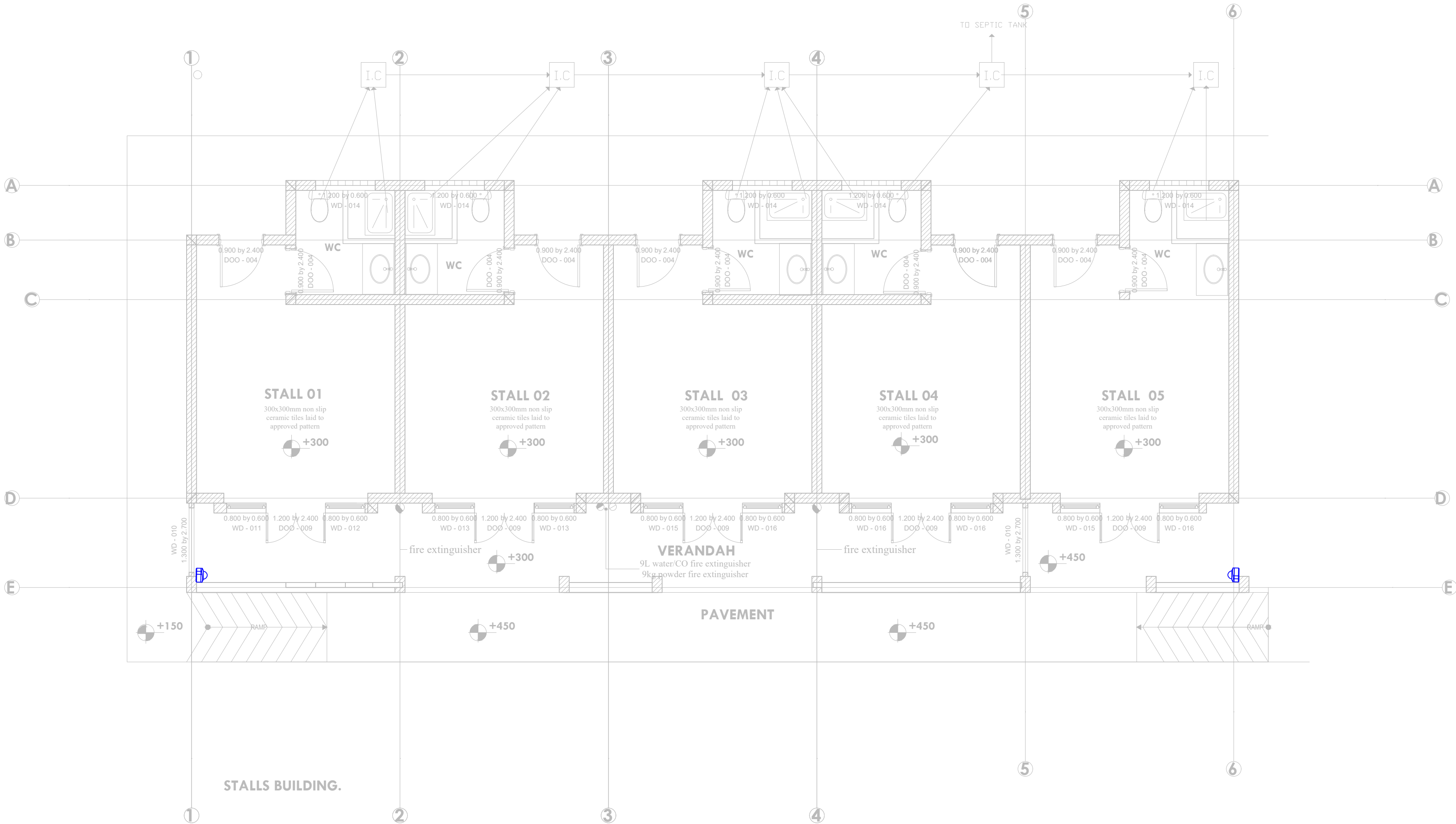
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LAYOUT

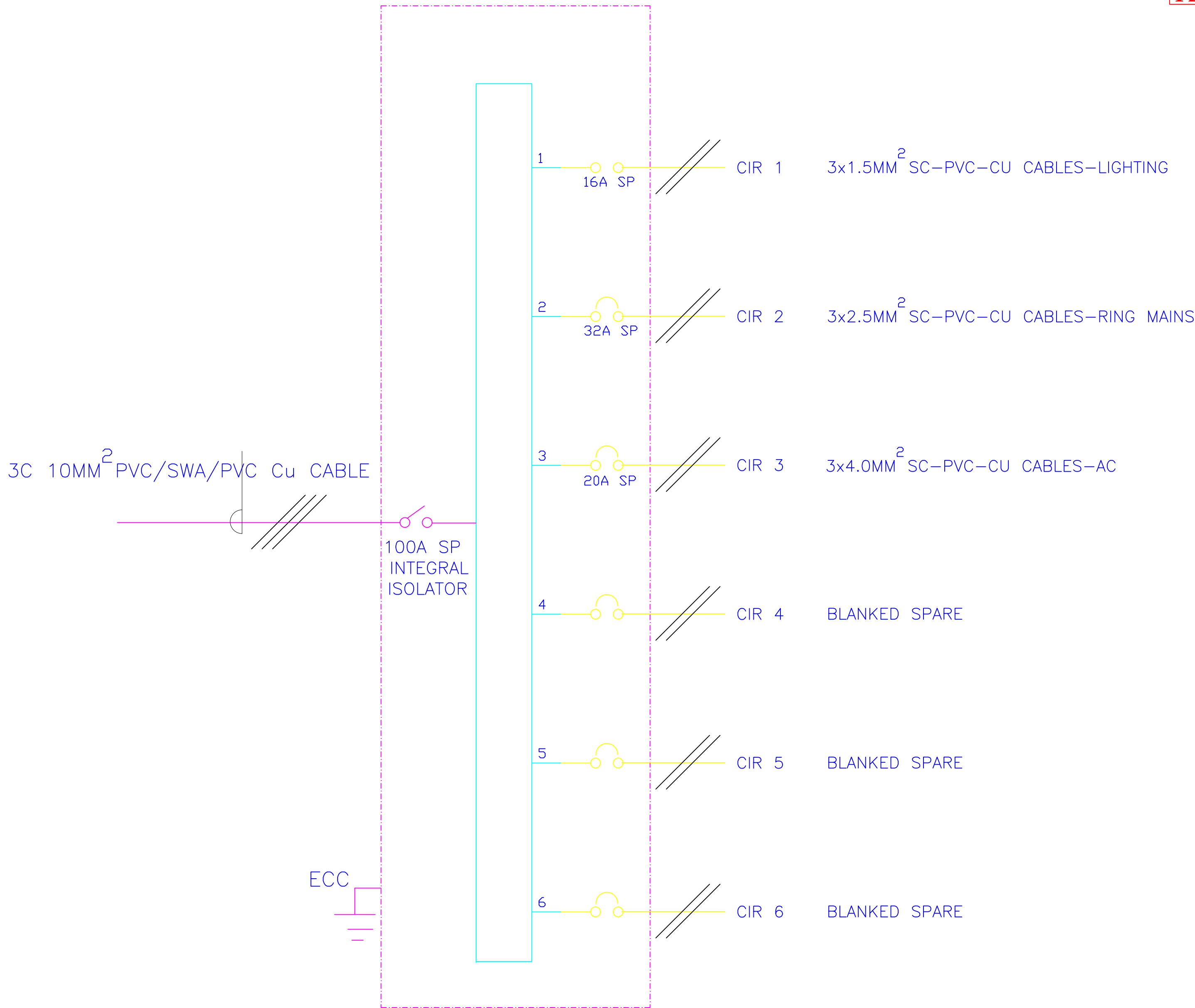
Dwg. No. 08- 003E- 020

Scale: NTS

Drawn by Chek'd By

Project no.:	Date:
08	14.01.2024





6- WAY 100A SPN CONSUMER UNIT FOR
RAW POWER DISTRIBUTION IN STALLS



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NAIROBI. KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

STALLS BLOCK SCHEMATIC
LAYOUT

Dwg. No.	08- 003E- 021
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
08	14.01.2024

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PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

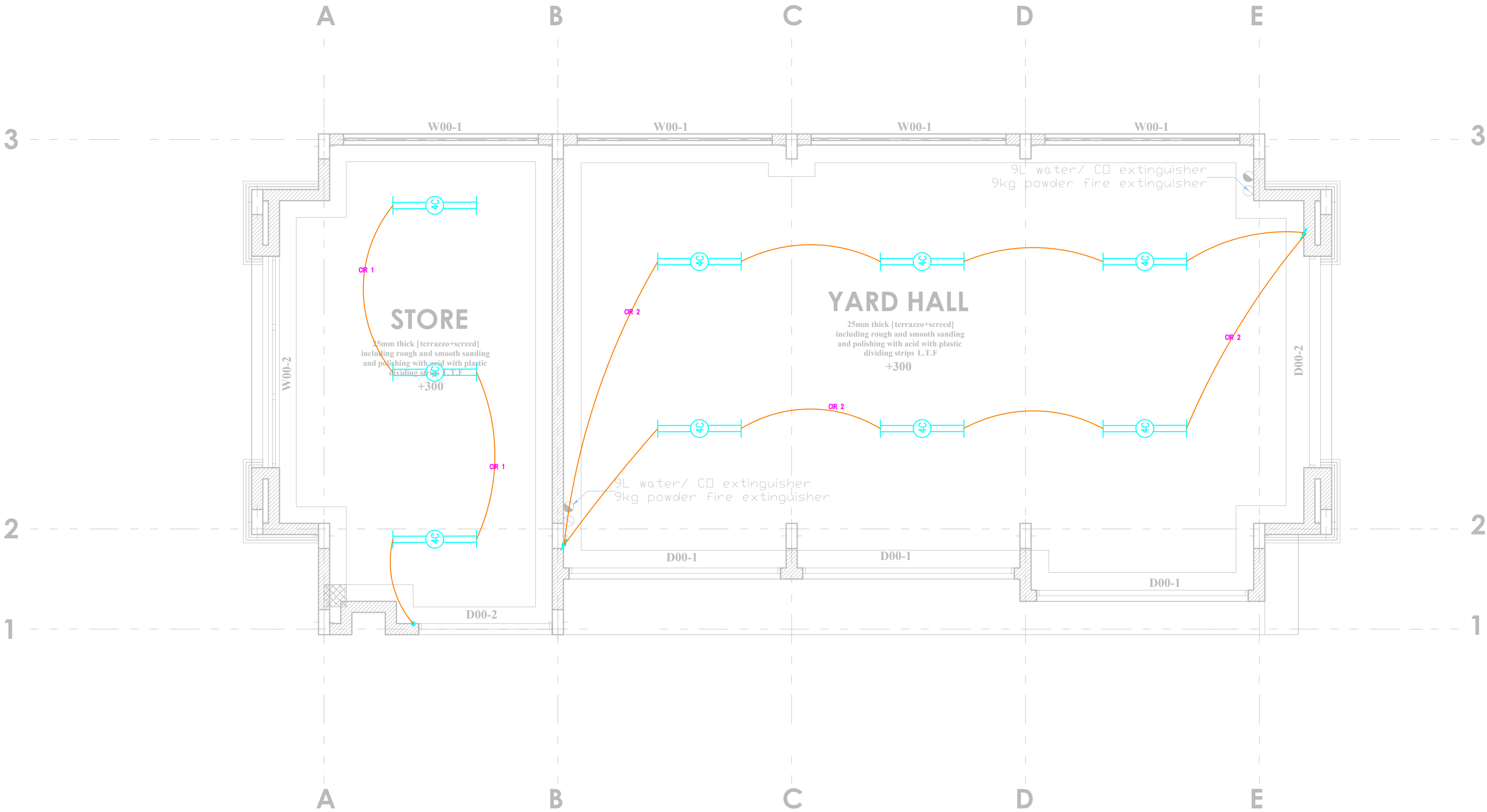
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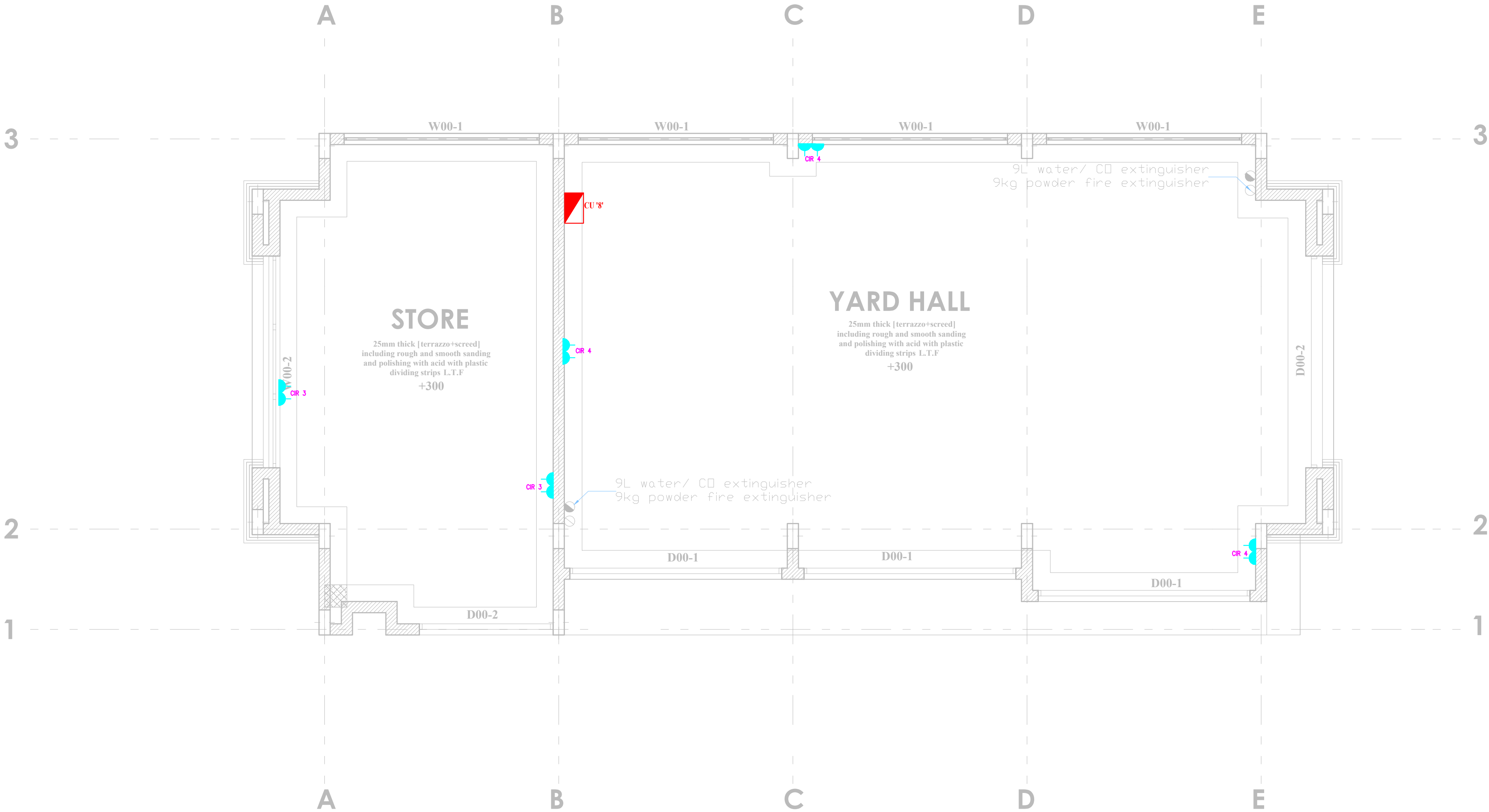
DRAWING TITLE:

BOAT YARD BLOCK
LIGHTING LAYOUT

Dwg. No.	08- 003E- 022		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		



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OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

BOAT YARD BLOCK POWER
LAYOUT

Dwg. No.	08- 003E- 023		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		

TENDER ISSUE

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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 FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

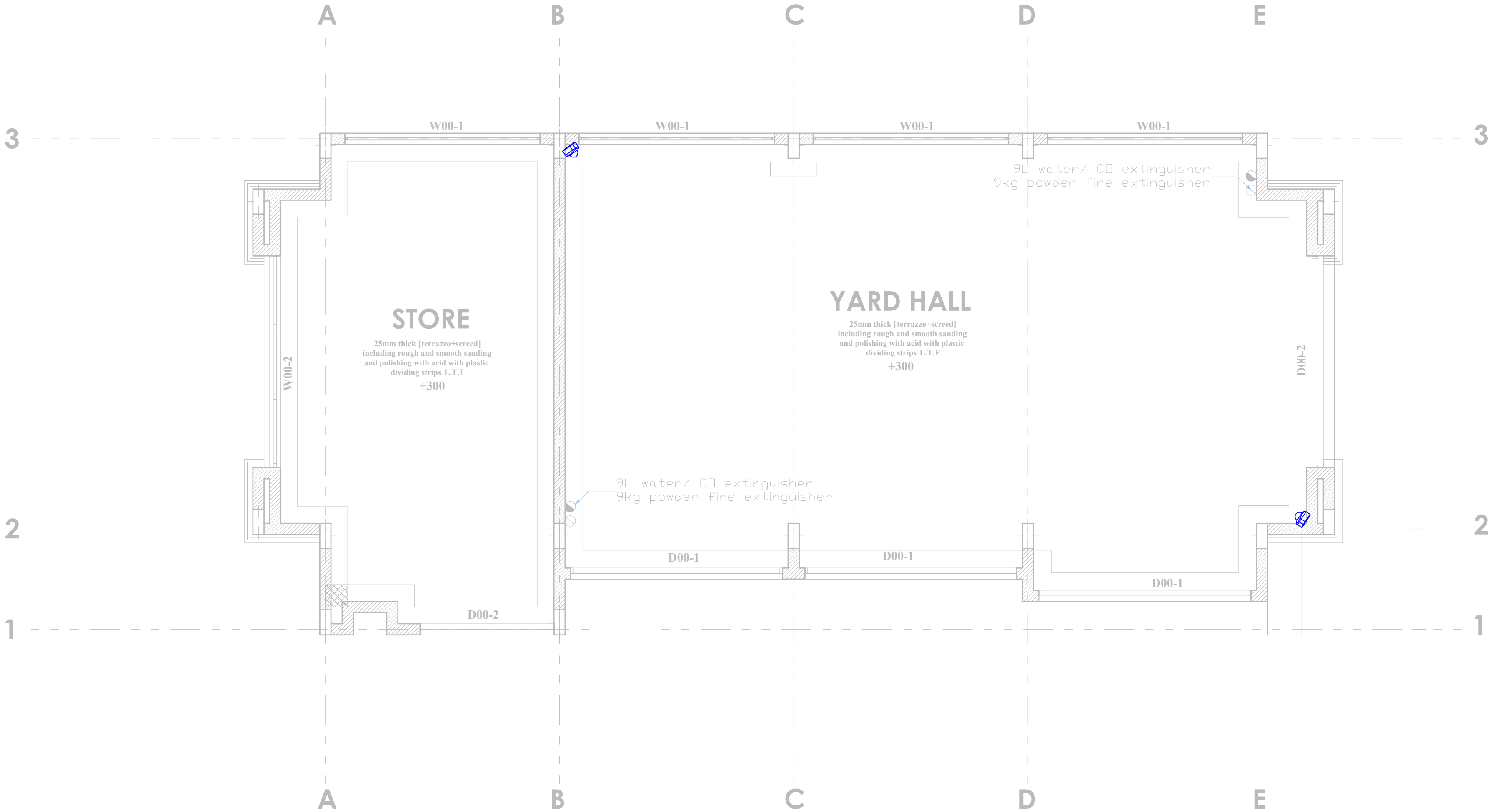
DRAWING TITLE:

BOAT YARD BLOCK FIRE
ALARM LAYOUT

Dwg. No.	08- 003E- 024		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

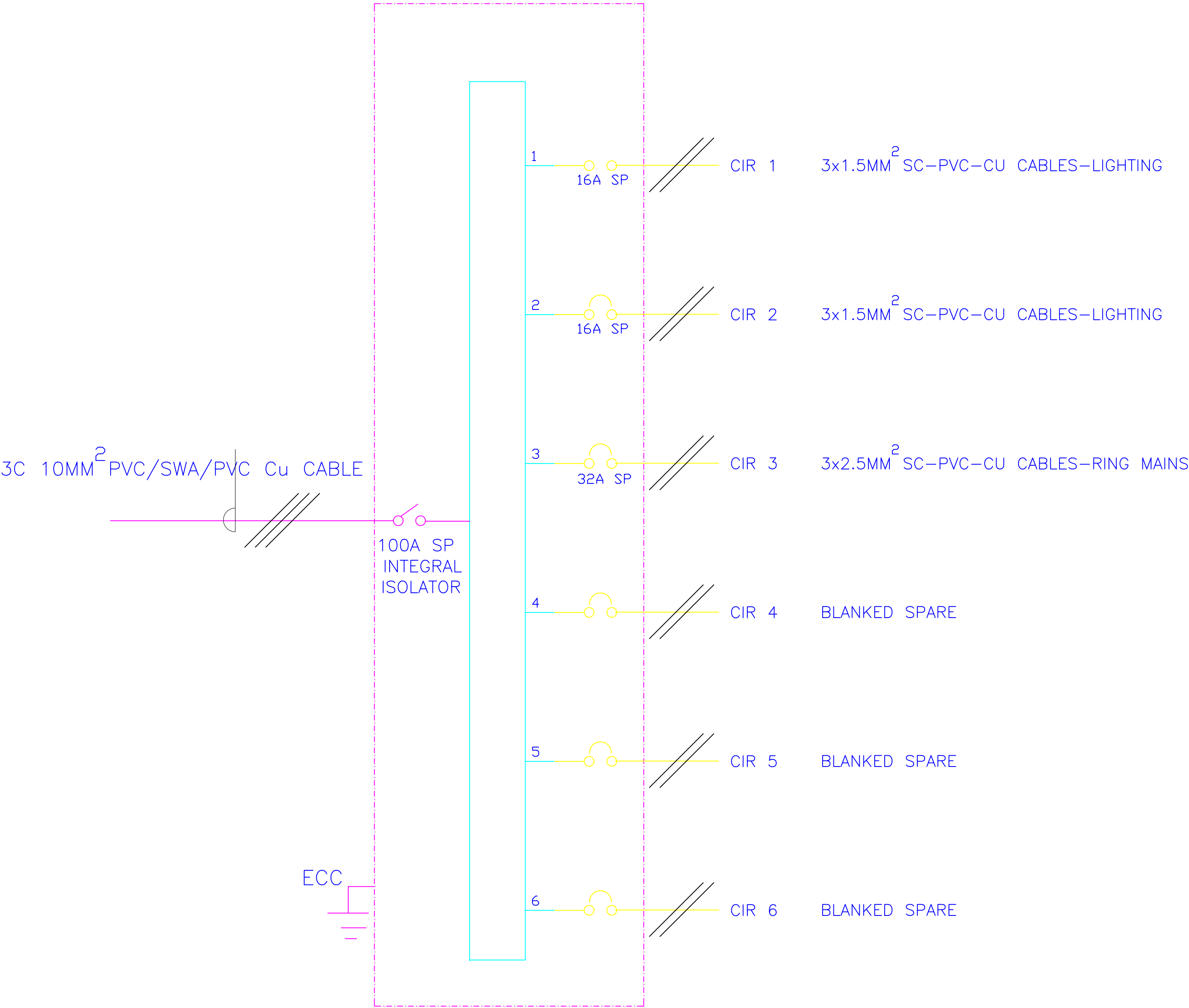
CLIENT'S SIGNATURE:

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DRAWING TITLE:

BOAT YARD BLOCK CCTV
LAYOUT

Dwg. No.	08- 003E- 025		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:		Date:	
08		14.01.2024	



6– WAY 100A SPN CONSUMER UNIT FOR
RAW POWER DISTRIBUTION IN BOAT YARD



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

BOAT YARD BLOCK
SCHEMATIC LAYOUT

Dwg. No.	08- 003E- 026		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

ABLUTION BLOCK
LIGHTING LAYOUT

Dwg. No. 08- 003E- 027

Scale: NTS

Drawn by

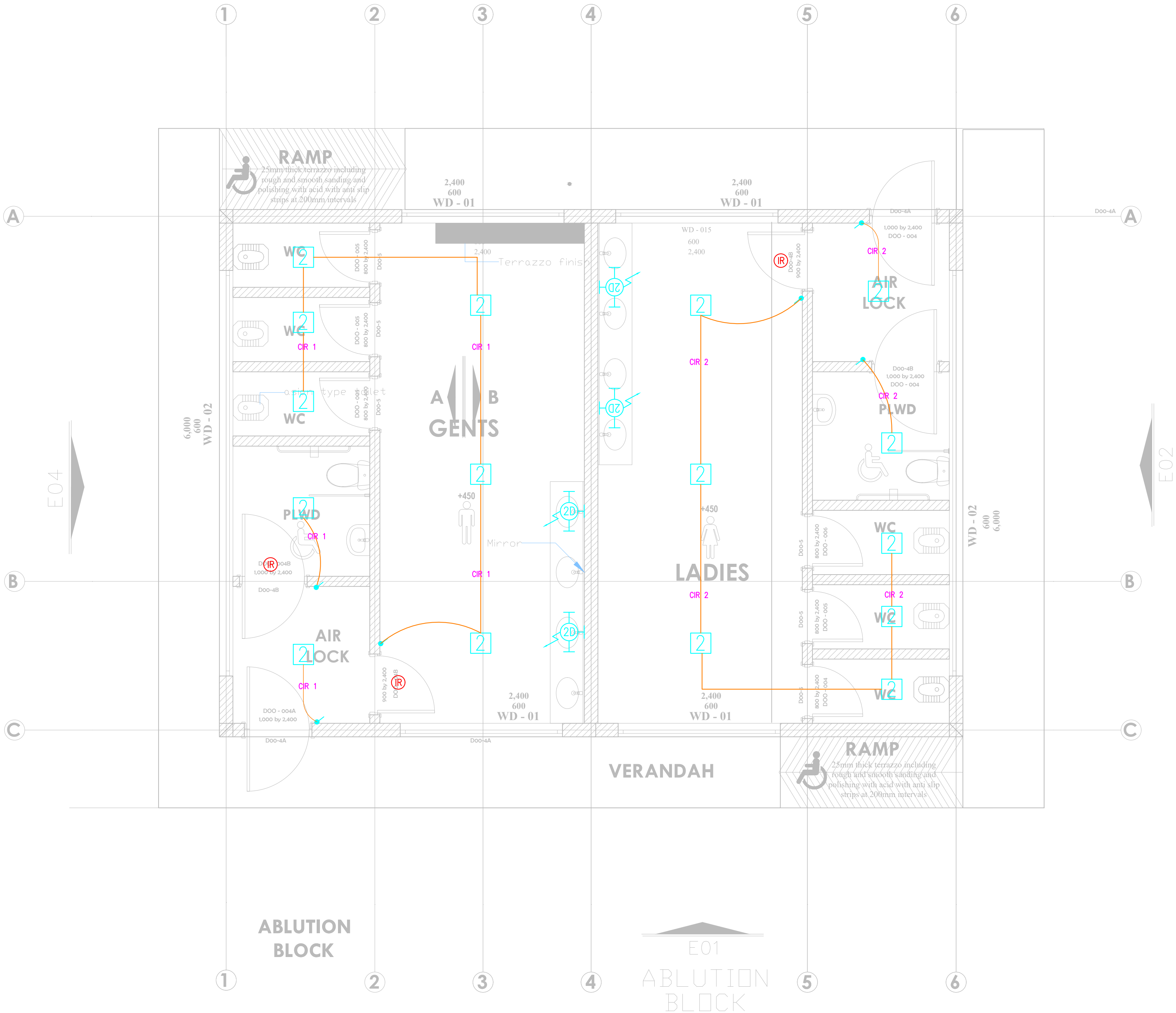
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Project no.:

Date:

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

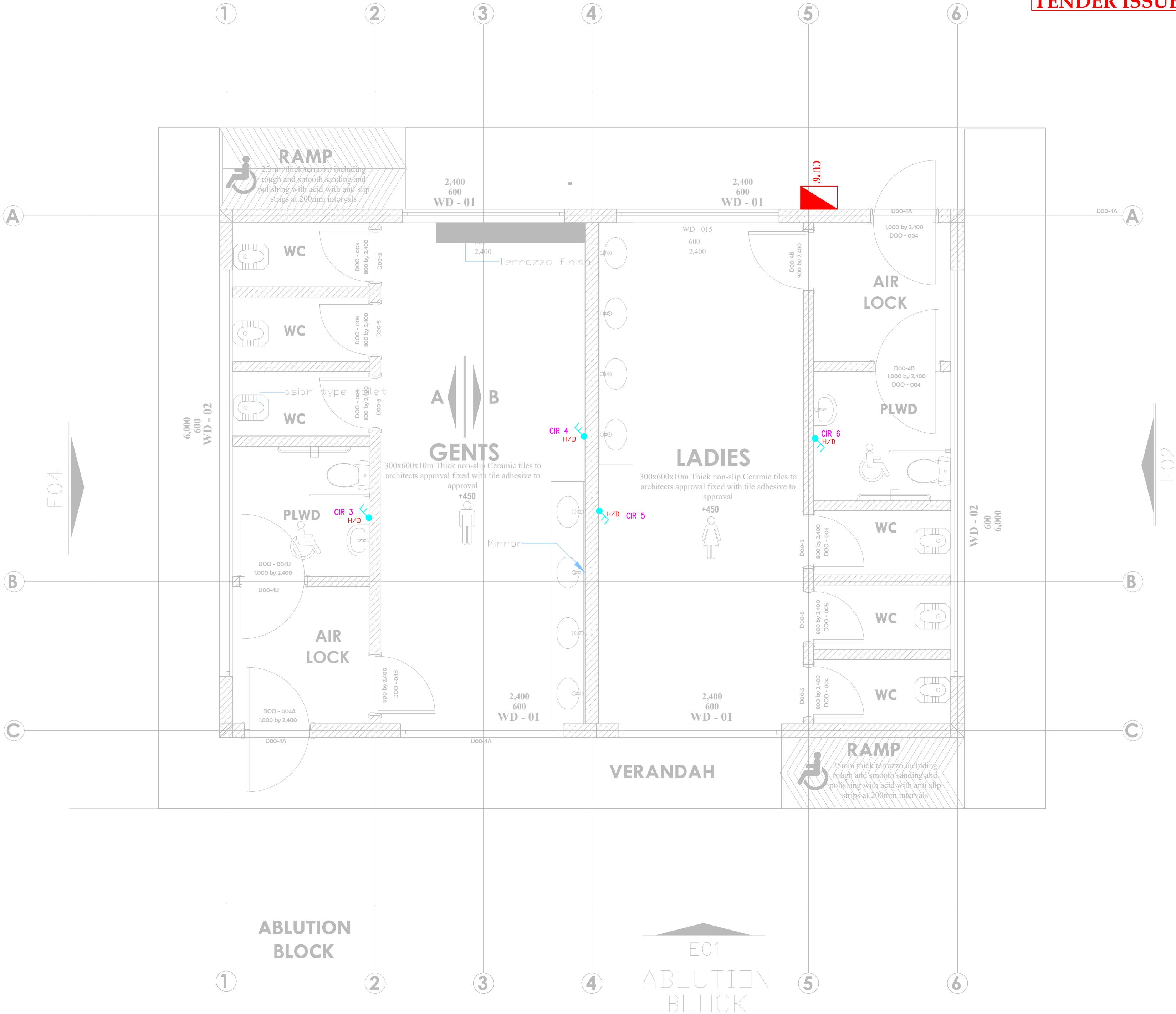
ABLUTION BLOCK POWER
LAYOUT

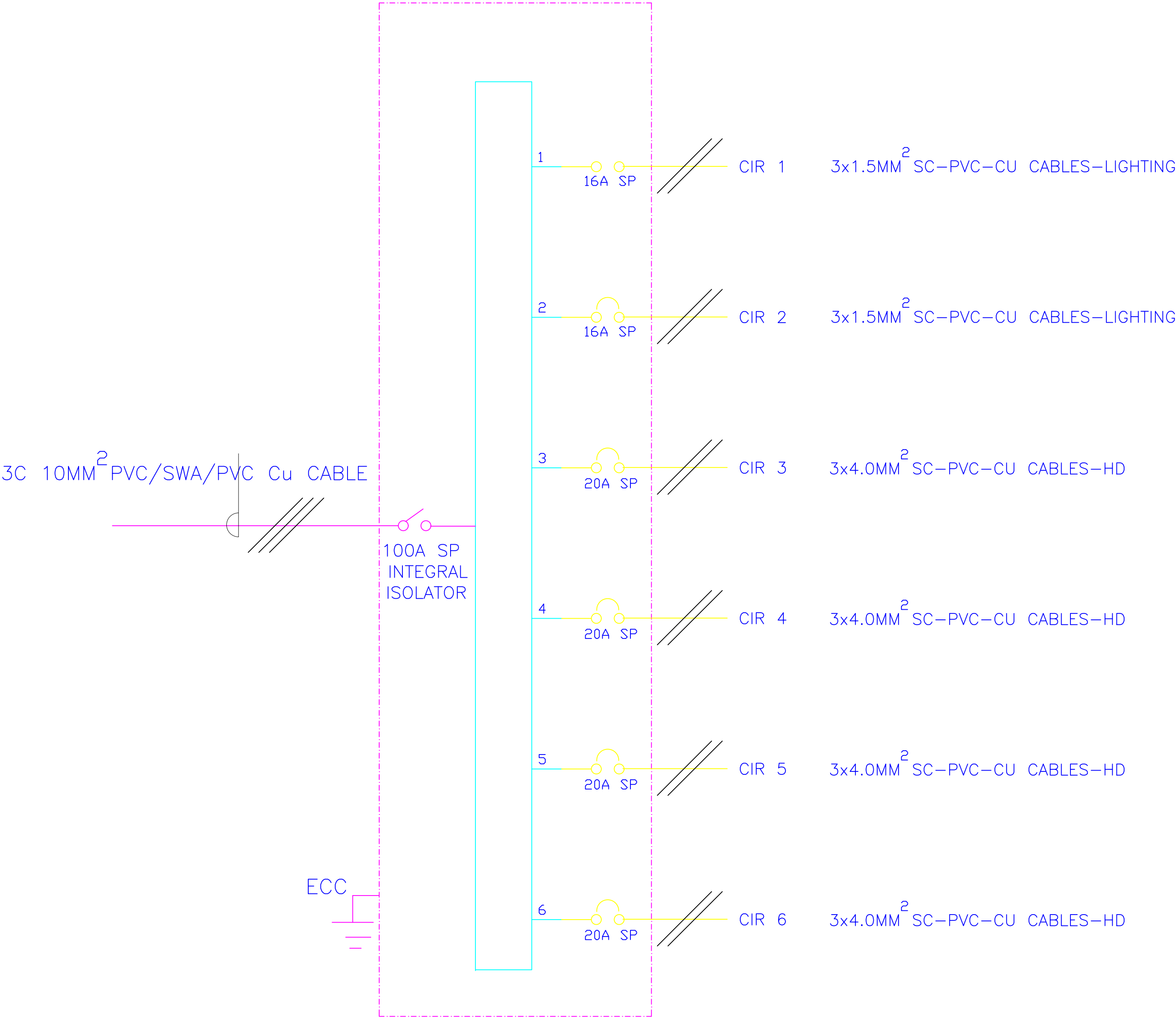
Dwg. No. 08- 003E- 028

Scale: NTS

Drawn by Chek'd By

Project no.: 08 Date: 14.01.2024





6- WAY 100A SPN CONSUMER UNIT FOR
RAW POWER DISTRIBUTION IN ABLUTION BLOCK



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

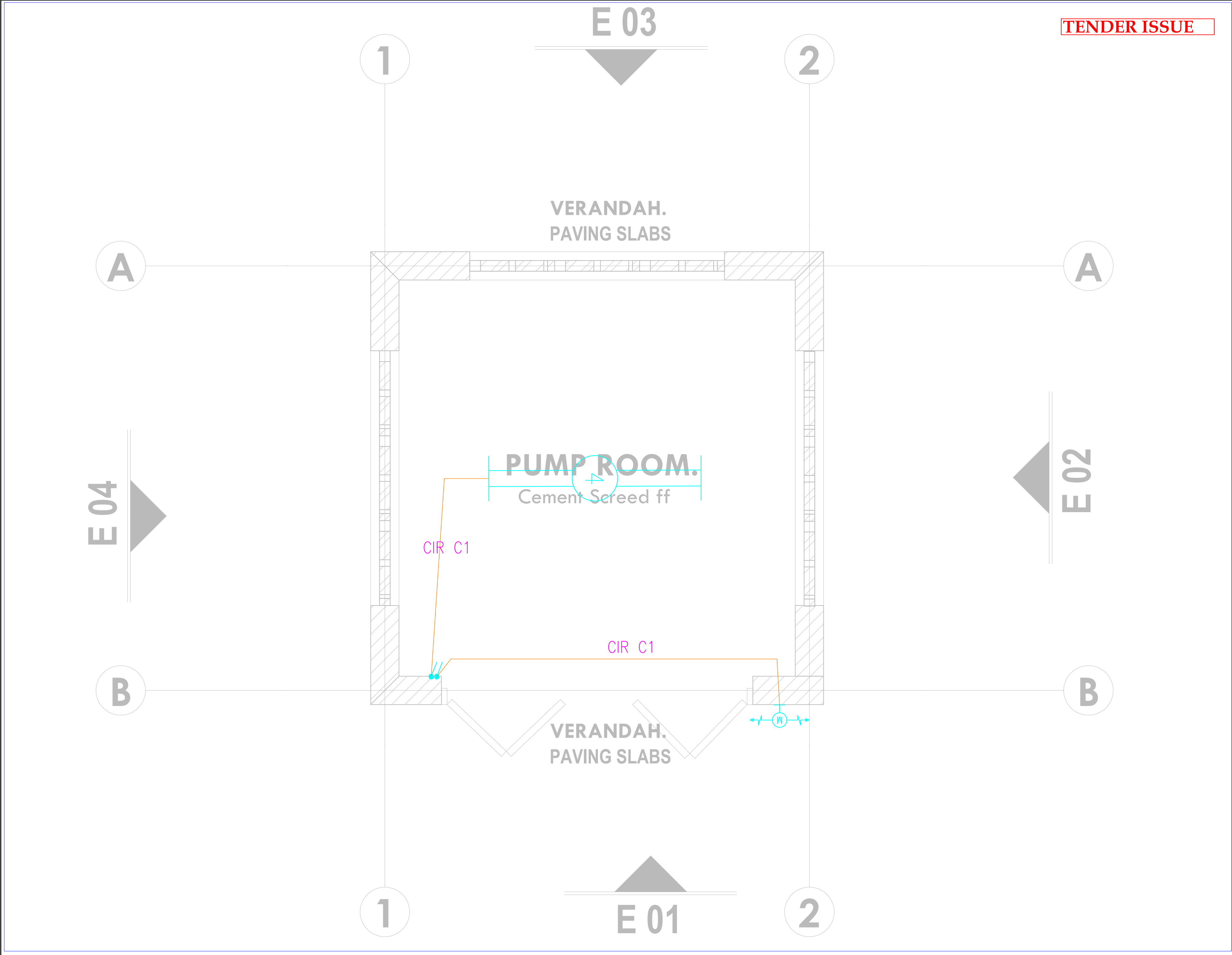
CLIENT'S SIGNATURE:

Sign:


DRAWING TITLE:

ABLUTION BLOCK
SCHEMATIC LAYOUT

Dwg. No.	08- 003E- 029		
Scale:	NTS		
Drawn by	<input type="text"/>	Chek'd By	<input type="text"/>
Project no.:	Date:		
08	14.01.2024		



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH LANDING SITES/MARKETS FISHERIES OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES, AQUACULTURE & THE BLUE ECONOMY

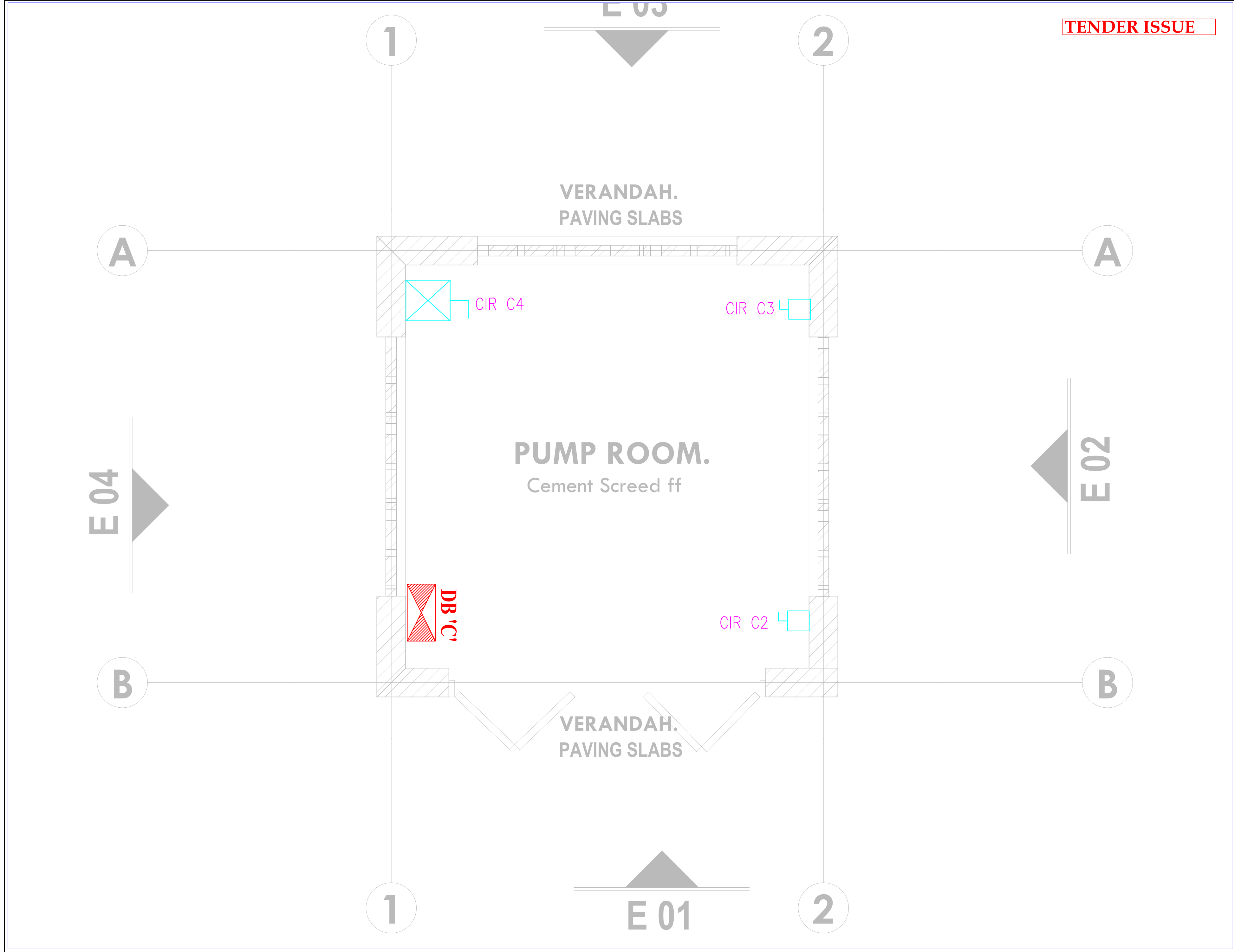
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DRAWING TITLE:

PUMP ROOM BLOCK
LIGHTING LAYOUT

Dwg. No.	08- 003E- 030		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	08	Date:	14.01.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

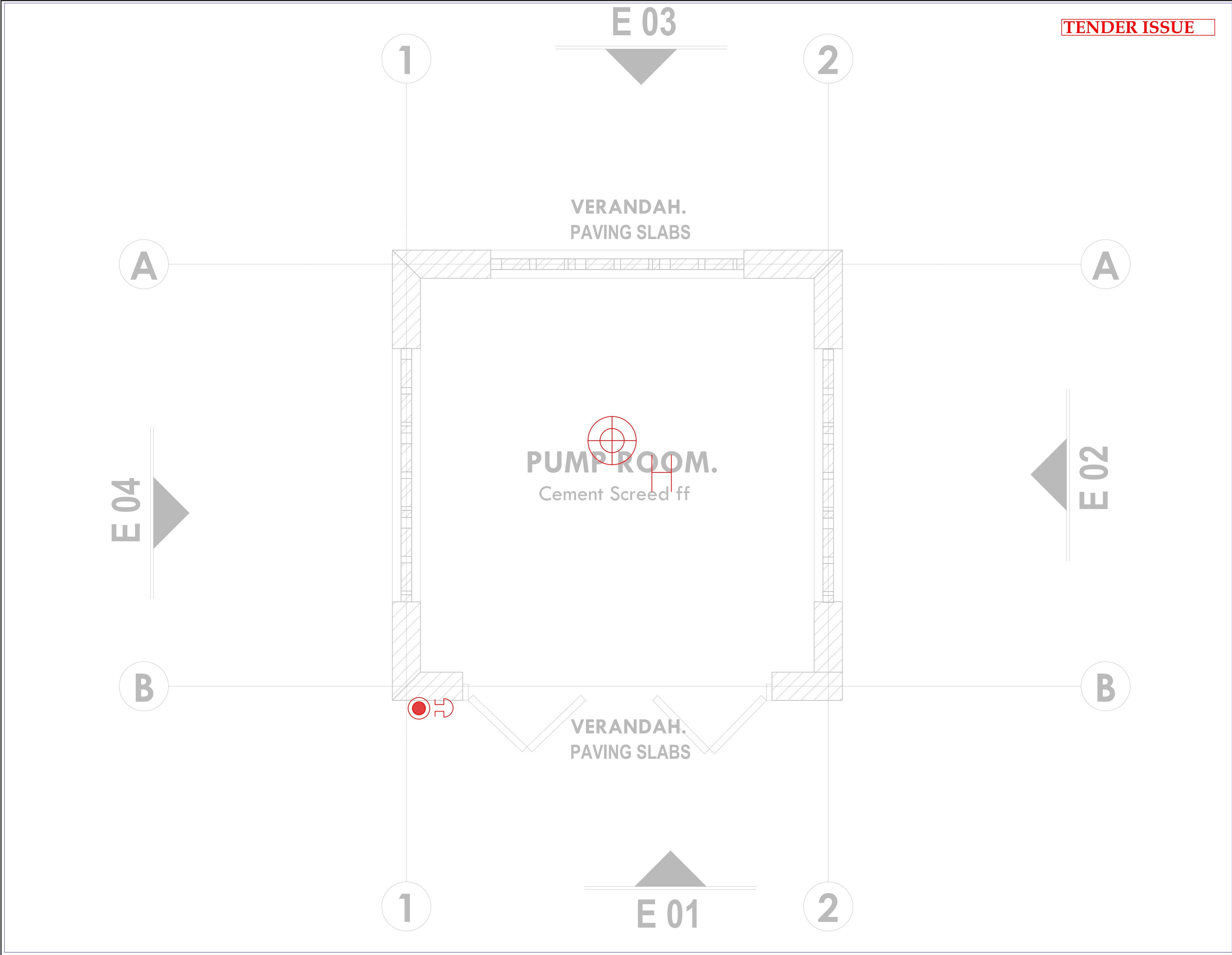
CLIENT'S SIGNATURE:

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DRAWING TITLE:

PUMP ROOM BLOCK
POWER LAYOUT

Dwg. No.	08- 003E- 031		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:		Date:	
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH LANDING SITES/MARKETS FISHERIES OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES, AQUACULTURE & THE BLUE ECONOMY

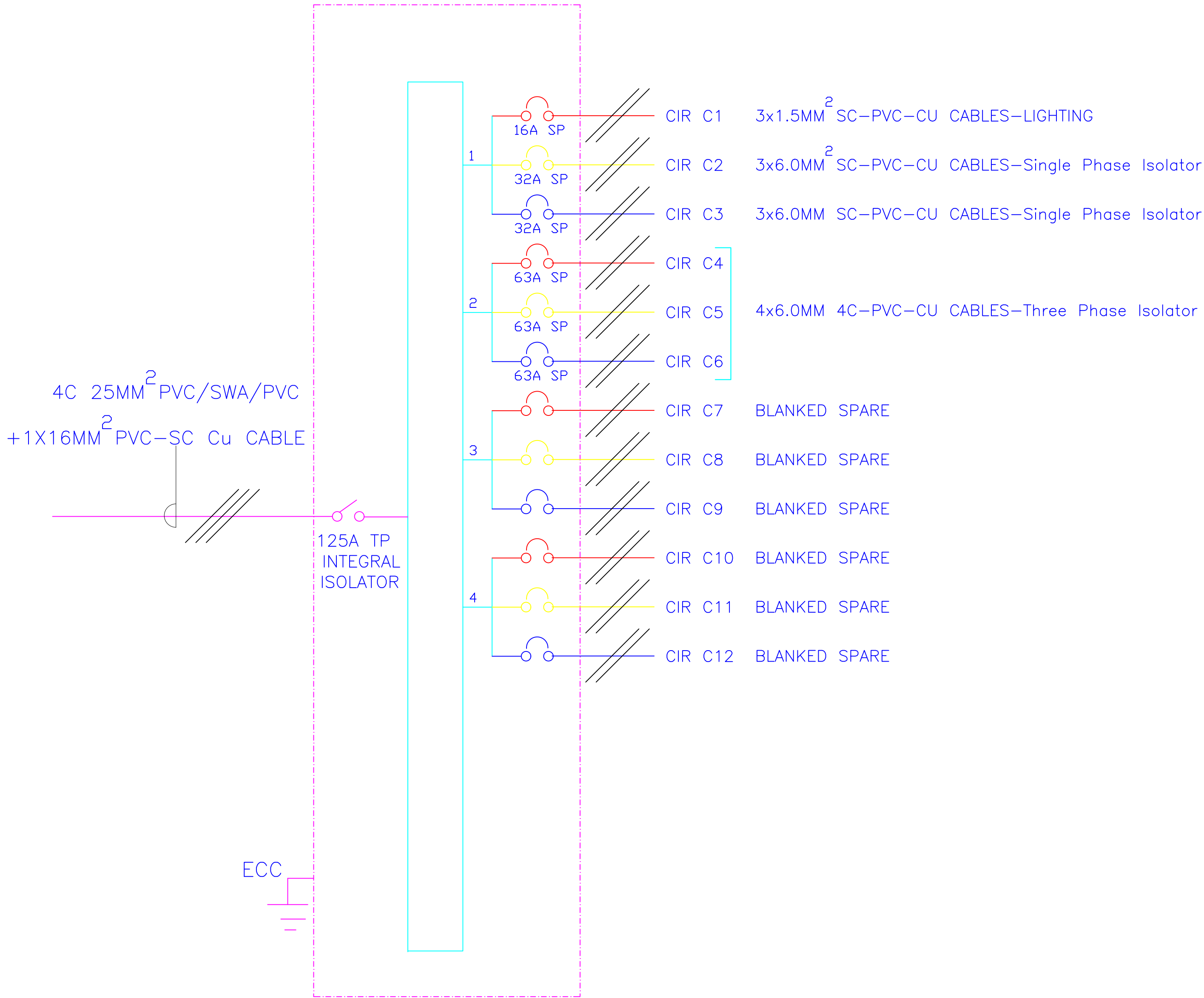
CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

PUMP ROOM BLOCK FIRE ALARM LAYOUT

Dwg. No.	08- 003E- 032	
Scale:	NTS	
Drawn by	Chek'd By	
Project no.:	Date:	
08	14.01.2024	



4- WAY 125A TPN DISTRIBUTION BOARD 'C' FOR
RAW POWER DISTRIBUTION IN PUMP ROOM



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NAIROBI. KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
PUMP ROOM BLOCK
SCHEMATIC LAYOUT

Dwg. No.	08- 003E- 033
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
08	14.01.2024

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REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

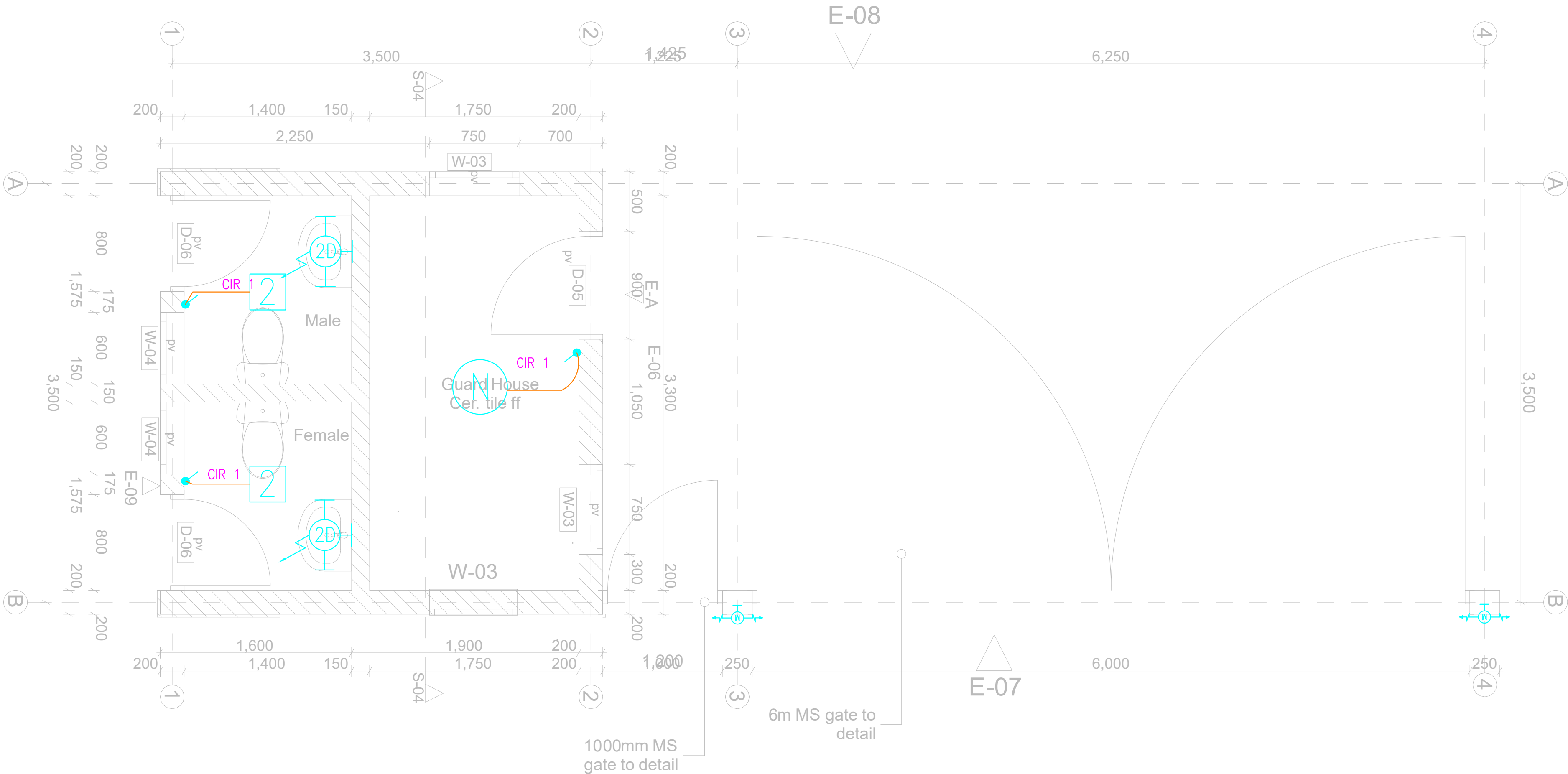
**GUARD HOUSE LIGHTING
LAYOUT**

Dwg. No. **08- 003E- 034**

Scale: NTS

Drawn by Chek'd By

Project no.:	Date:
08	14.01.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH LANDING SITES/MARKETS FISHERIES OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:
GUARD HOUSE POWER
LAYOUT

Dwg. No.	08- 003E- 035		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		

TENDER ISSUE

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

**GUARD HOUSE FIRE ALARM
LAYOUT**

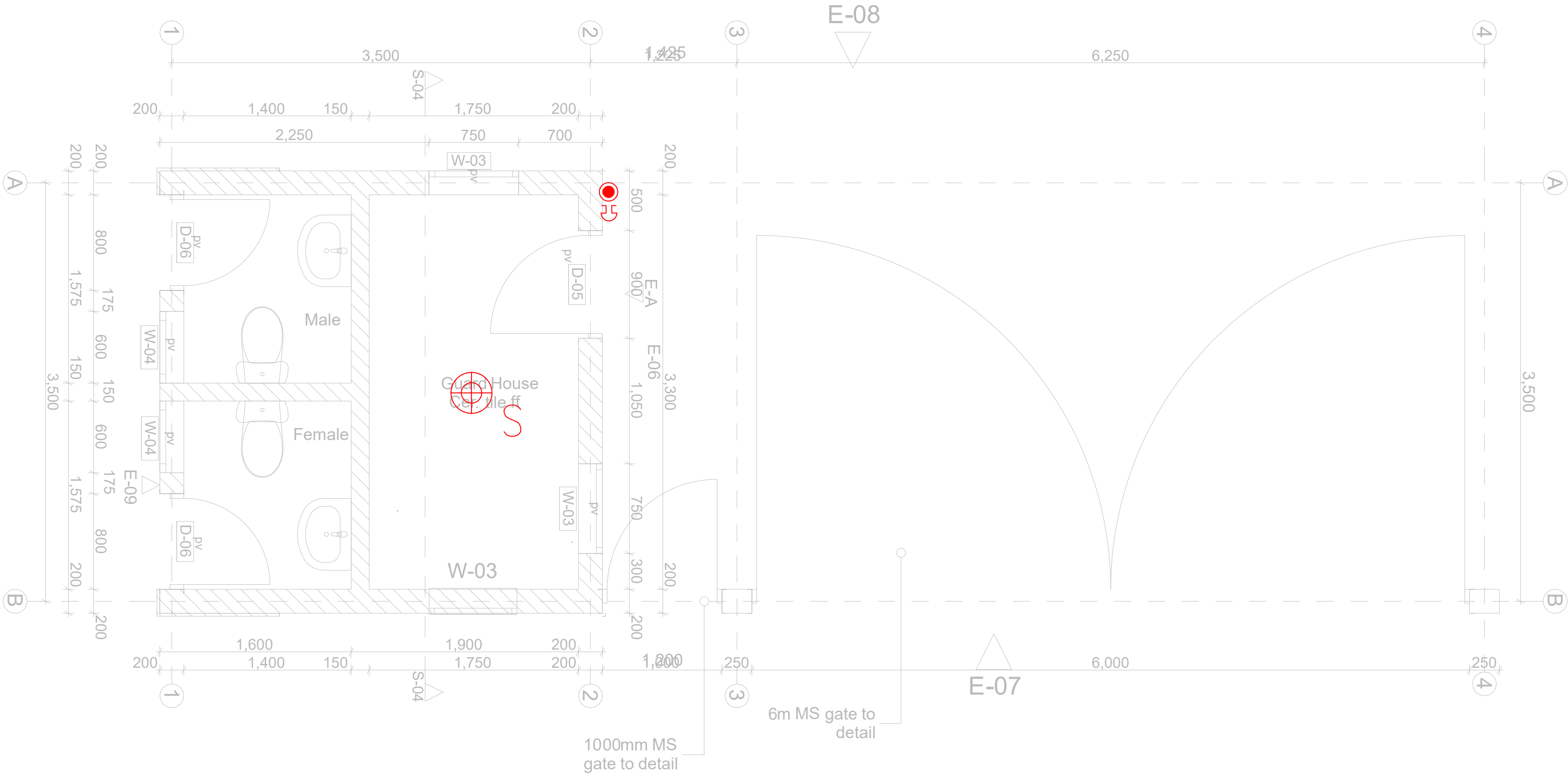
Dwg. No. **08- 003E- 036**

Scale: NTS

Drawn by Chek'd By

Project no.: Date:

08 14.01.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GUARD HOUSE CCTV
LAYOUT

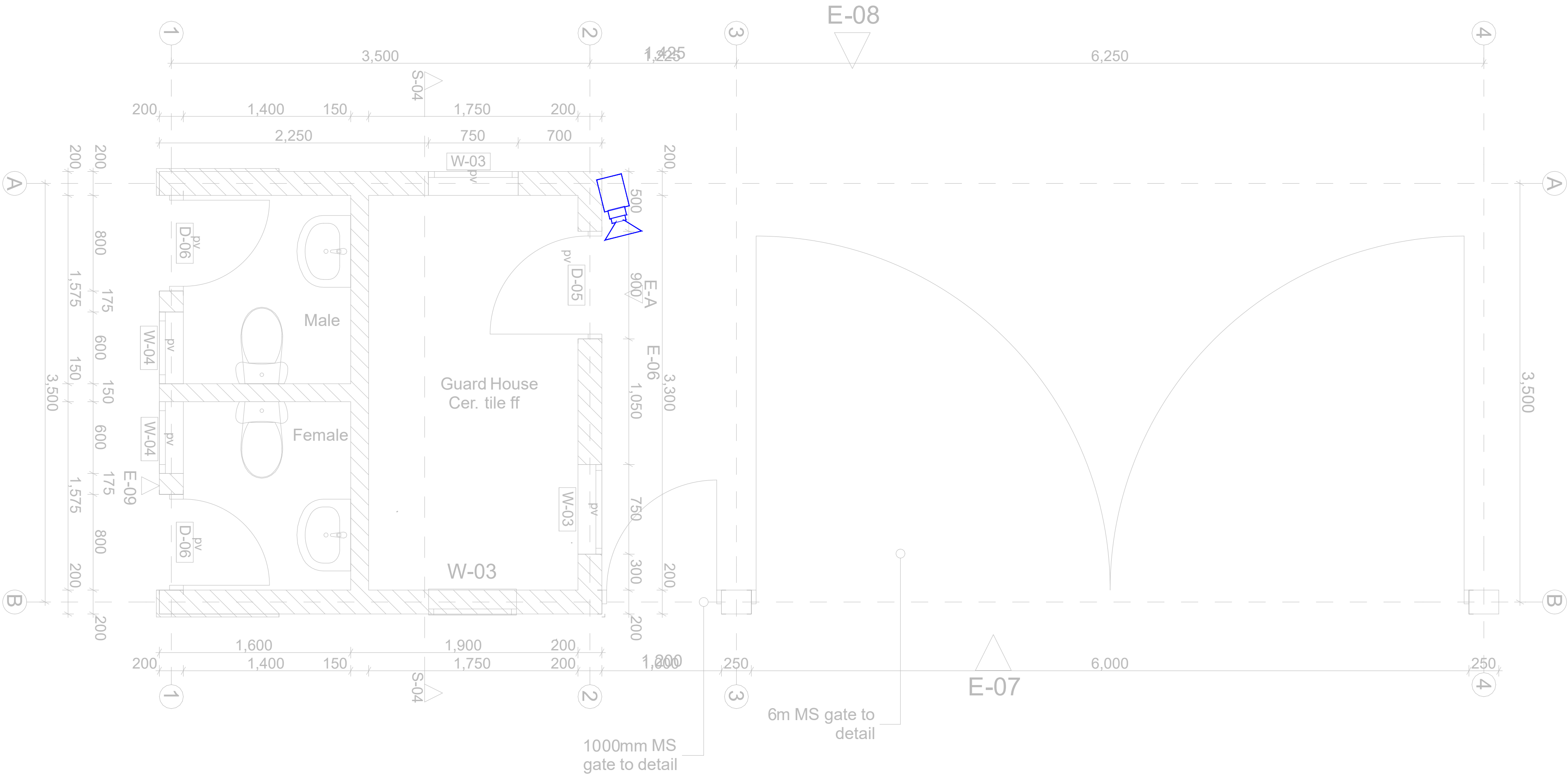
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Scale: NTS

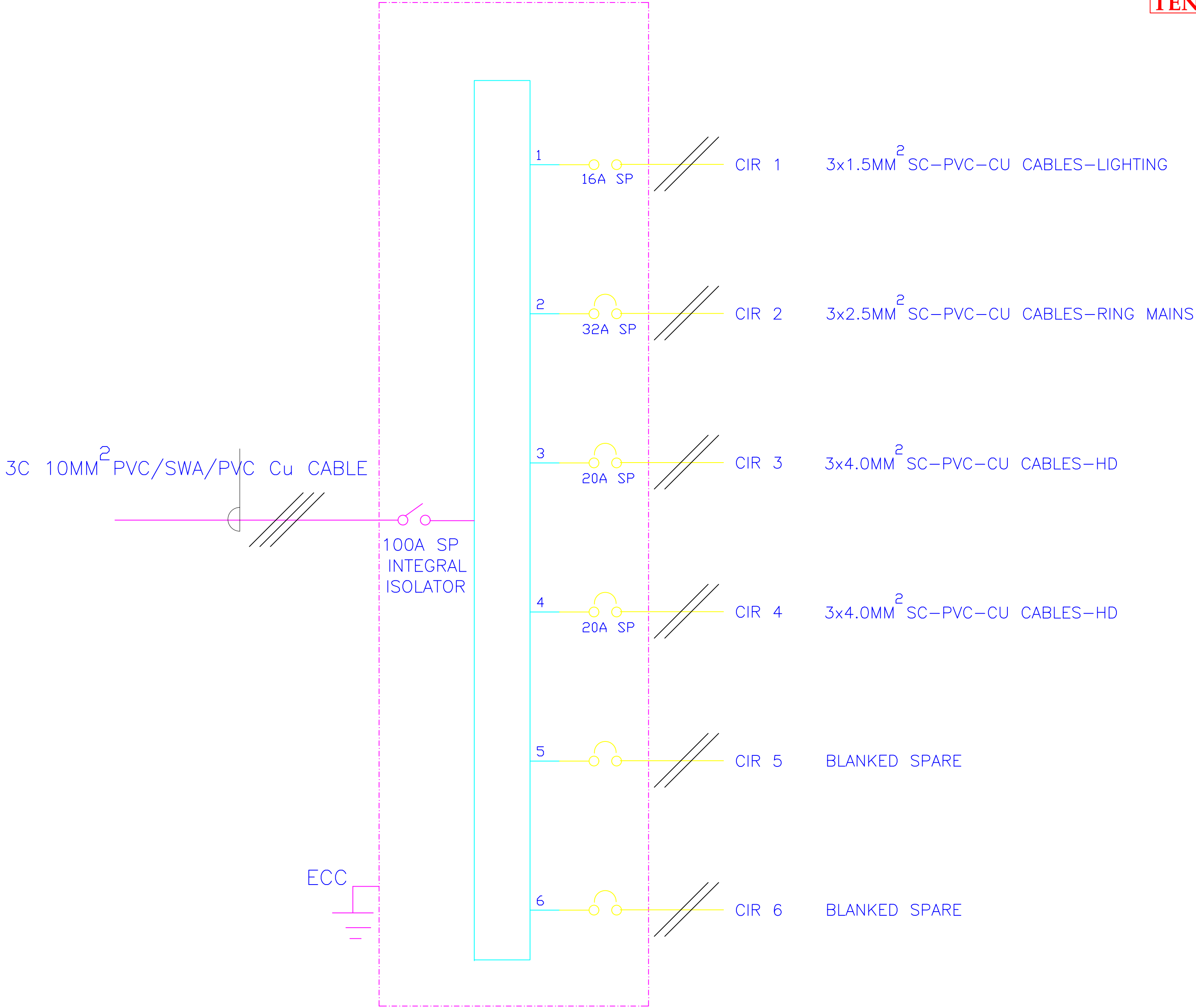
Drawn by Chek'd By

Project no.: Date:

08 14.01.2024



TENDER ISSUE



6- WAY 100A SPN CONSUMER UNIT FOR
RAW POWER DISTRIBUTION IN GATE HOUSE

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GUARD HOUSE SCHEMATIC
LAYOUT

Dwg. No.	08- 003E- 038
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
08	14.01.2024

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
SITE PLAN STREET
LIGHTING LAYOUT

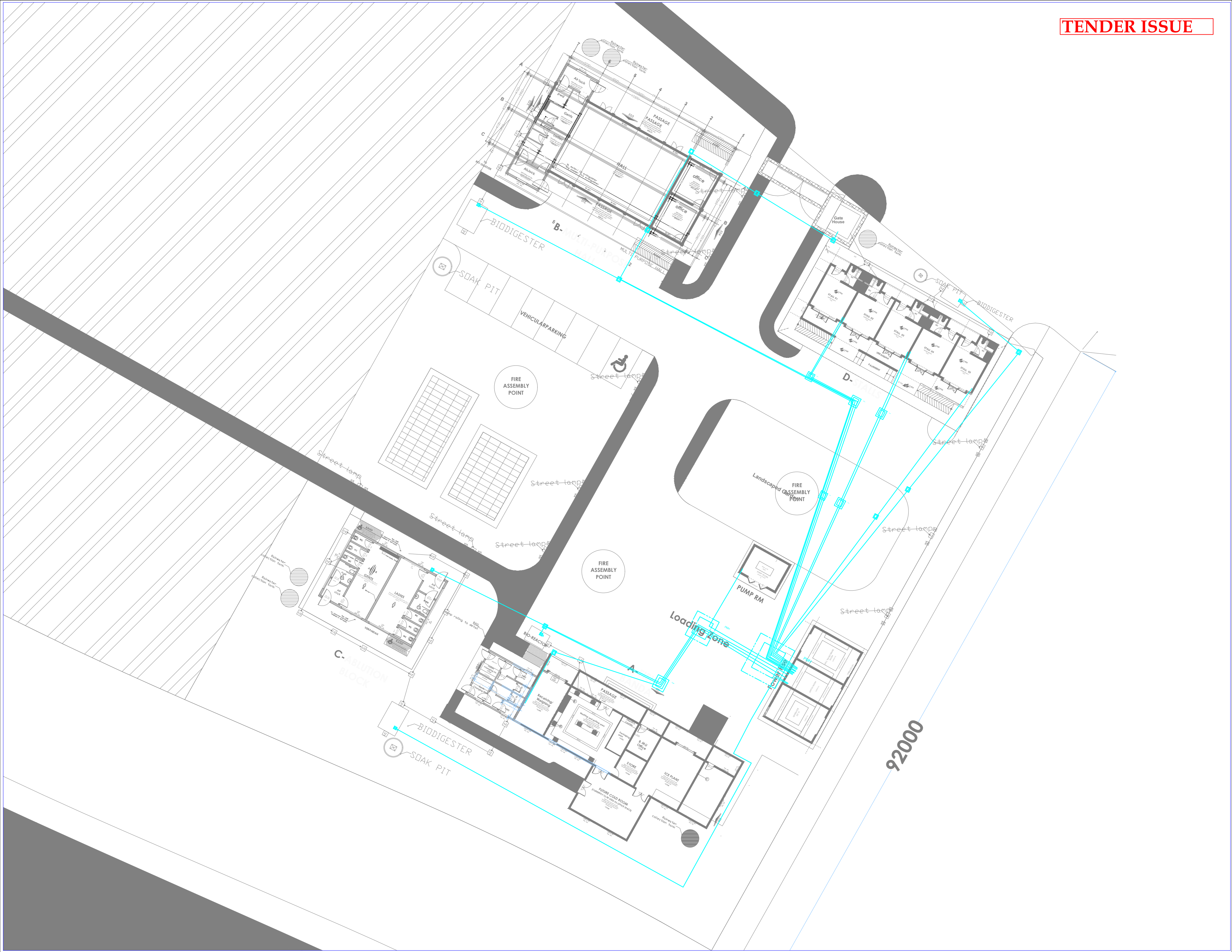
Dwg. No. 08- 003E- 039

Scale: NTS

Drawn by Chek'd By

Project no.: 08 Date: 14.01.2024





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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

SITE PLAN POWER LAYOUT

Dwg. No.:	08- 003E- 040		
Scale:	NTS		
Drawn by		Chek'd By	
Project no.:	Date:		
08	14.01.2024		

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF FISH
LANDING SITES/MARKETS FISHERIES
OFFICES

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

SITE PLAN CCTV LAYOUT

Dwg. No.	08- 003E- 041
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
08	14.01.2024



DRAWING TITLE: PROPOSED KENYA MARINEFISHERIES AND SOCIO-ECONOMIC DEVELOPMENT KIPINI FISHLANDING SITE
DRAWING NUMBER: 08-003M-001

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	MECHANICAL INSTALLATIONS DRAWINGS				
1	LIST OF DRAWINGS	08-003M-001	A3	PDF/ EXCEL	Provided
2	FISH BANDA GROUND FLOOR DRAINAGE	08-003M-002	A2	PDF/ DWG	Provided
3	FISH BANDA ROOF DRAINAGE	08-003M-003	A3	PDF/ DWG	Provided
4	FISH BANDA ROOF WATER SUPPLY	08-003M-004	A2	PDF/ DWG	Provided
5	FISH BANDA GROUND FLOOR WATER SUPPLY	08-003M-005	A2	PDF/ DWG	Provided
6	MEETING HALL GROUND FLOOR DRAINAGE	08-003M-006	A2	PDF/ DWG	Provided
7	MEETING HALL ROOF DRAINAGE	08-003M-007	A2	PDF/ DWG	Provided
8	MEETING HALL GROUND FLOOR WATER SUPPLY	08-003M-008	A2	PDF/ DWG	Provided
9	MEETING HALL ROOF WATER SUPPLY	08-003M-009	A2	PDF/ DWG	Provided
10	ABLUTION GROUND FLOOR DRAINAGE	08-003M-010	A2	PDF/ DWG	Provided
11	ABLUTION ROOF DRAINAGE	08-003M-011	A2	PDF/ DWG	Provided
12	ABLUTION ROOF WATER SUPPLY	08-003M-012	A2	PDF/ DWG	Provided
13	ABLUTION GROUND FLOOR WATER SUPPLY	08-003M-013	A2	PDF/ DWG	Provided
14	STALL BUILDING GROUND FLOOR WATER SUPPLY	08-003M-014	A2	PDF/ DWG	Provided
15	STALL BUILDING ROOF WATER SUPPLY	08-003M-015	A2	PDF/ DWG	Provided
16	STALL BUILDING GROUND FLOOR DRAINAGE	08-003M-016	A2	PDF/ DWG	Provided
17	STALL BUILDING ROOF FLOOR DRAINAGE	08-003M-017	A2	PDF/ DWG	Provided
18	GUARD HOUSE GROUND FLOOR DRAINAGE	08-003M-018	A2	PDF/ DWG	Provided
19	GUARD HOUSE ROOF FLOOR DRAINAGE	08-003M-019	A2	PDF/ DWG	Provided
20	GUARD HOUSE WATER SUPPLY	08-003M-020	A2	PDF/ DWG	Provided
21	BOAT YARD ROOF FLOOR DRAINAGE	08-003M-021	A2	PDF/ DWG	Provided

22	BOAT YARD WATER SUPPLY & FIREFIGHTING	08-003M-022	A2	PDF/ DWG	Provided
23	PUMP HOUSE DETAILS	08-003M-023	A2	PDF/ DWG	Provided
24	SITE PLAN WATER RETICULATION	08-003M-024	A2	PDF/ DWG	Provided



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

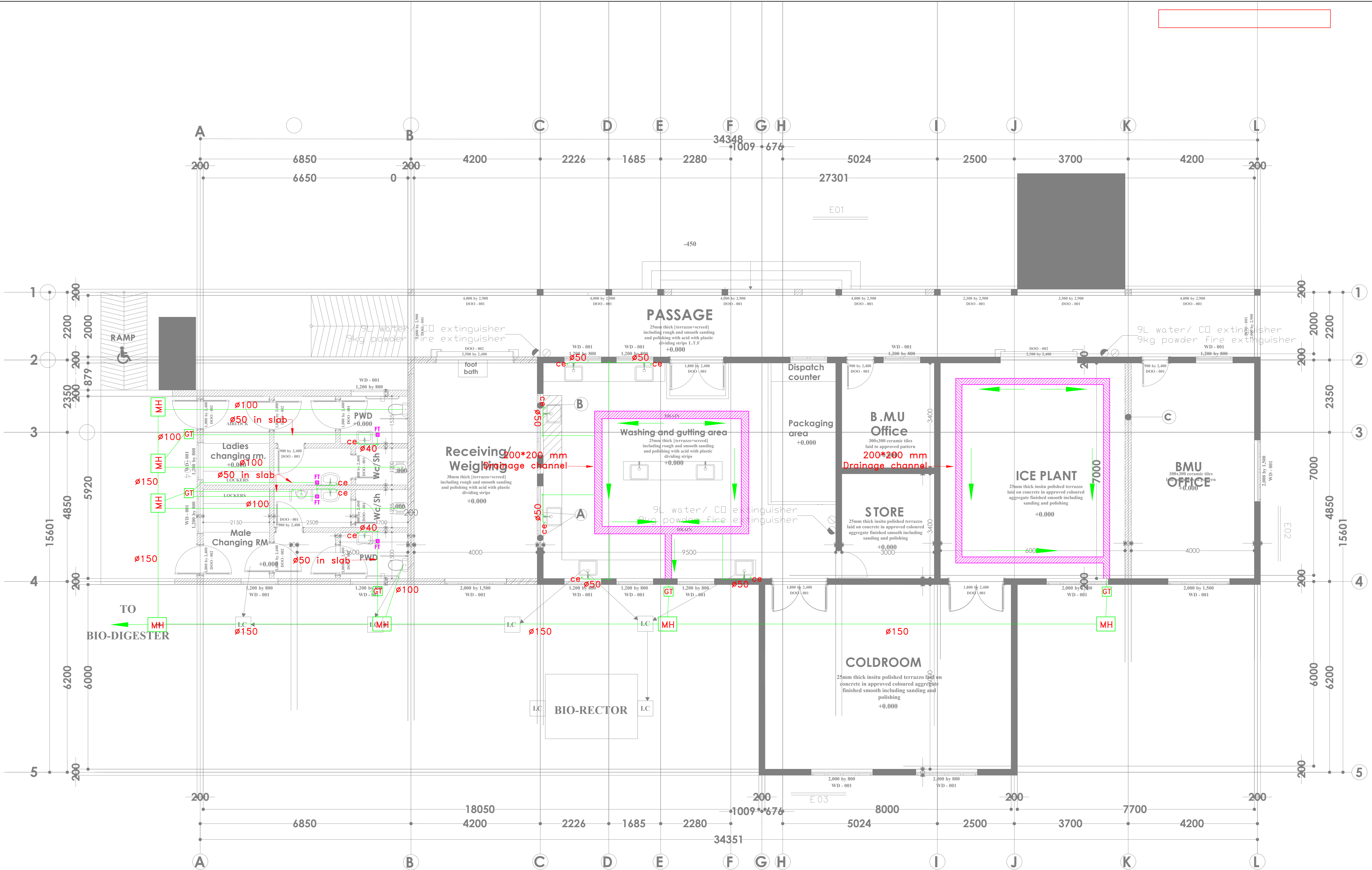
FISH BANDA GROUND
FLOOR DRAINAGE

Dwg. No. **08-003M-002**

Scale: NTS

Drawn by **W.M.** Chek'd By **G.O.**

Project no.: P.2103 Date: 05.05.2024



PROPOSED WORKS SHOWN THUS

EXISTING WORKS SHOWN THUS

DWARF WALL SHOWN THUS

A B Remove the louverd windows and burglar proof reinforcement bars and replace with an opening for receiving fish as approved by the engineer

NOTES

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REV. No.	Details of Revision

PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT KIPINI FISH LANDING SITE

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

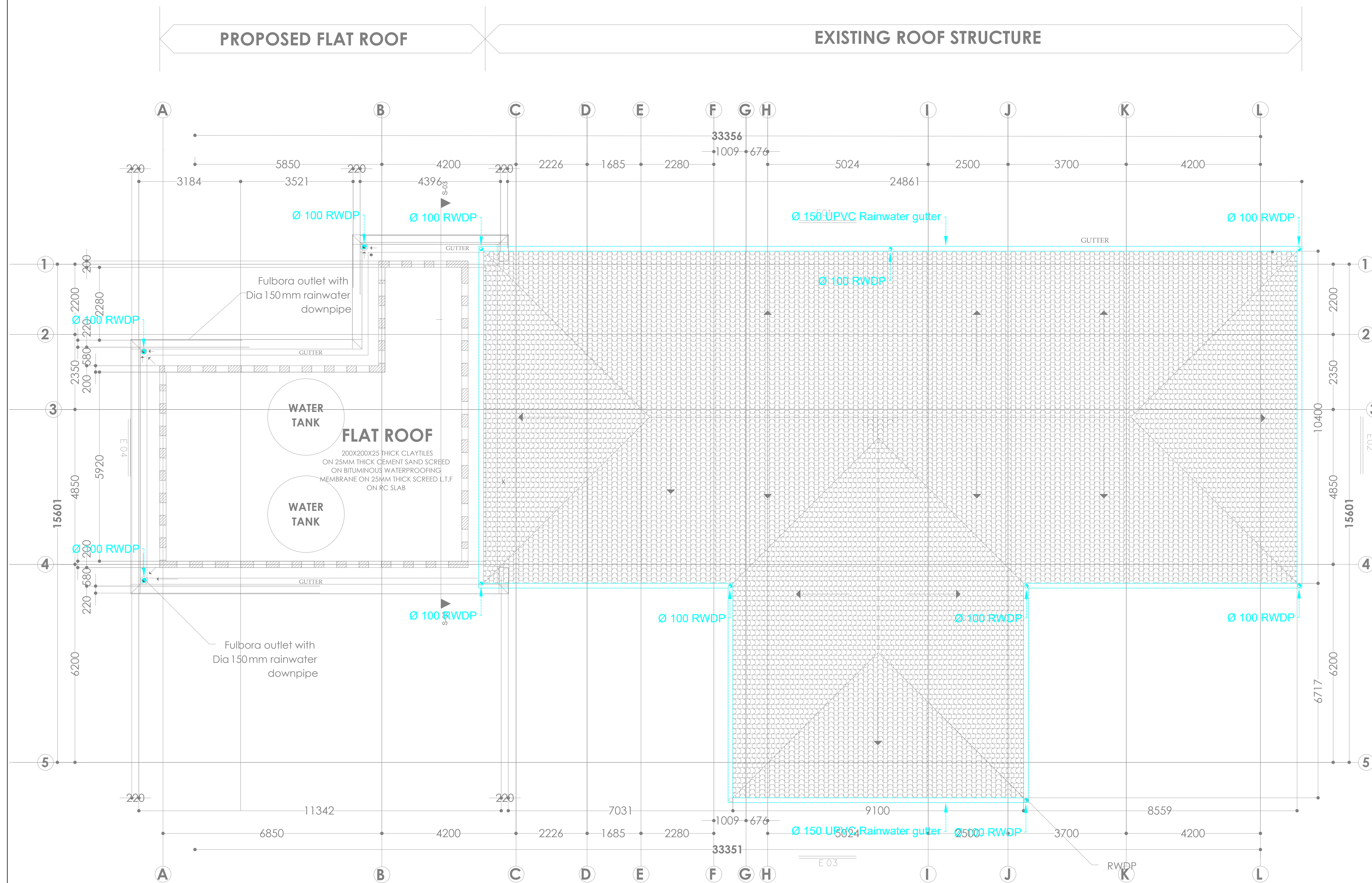
Sign:	
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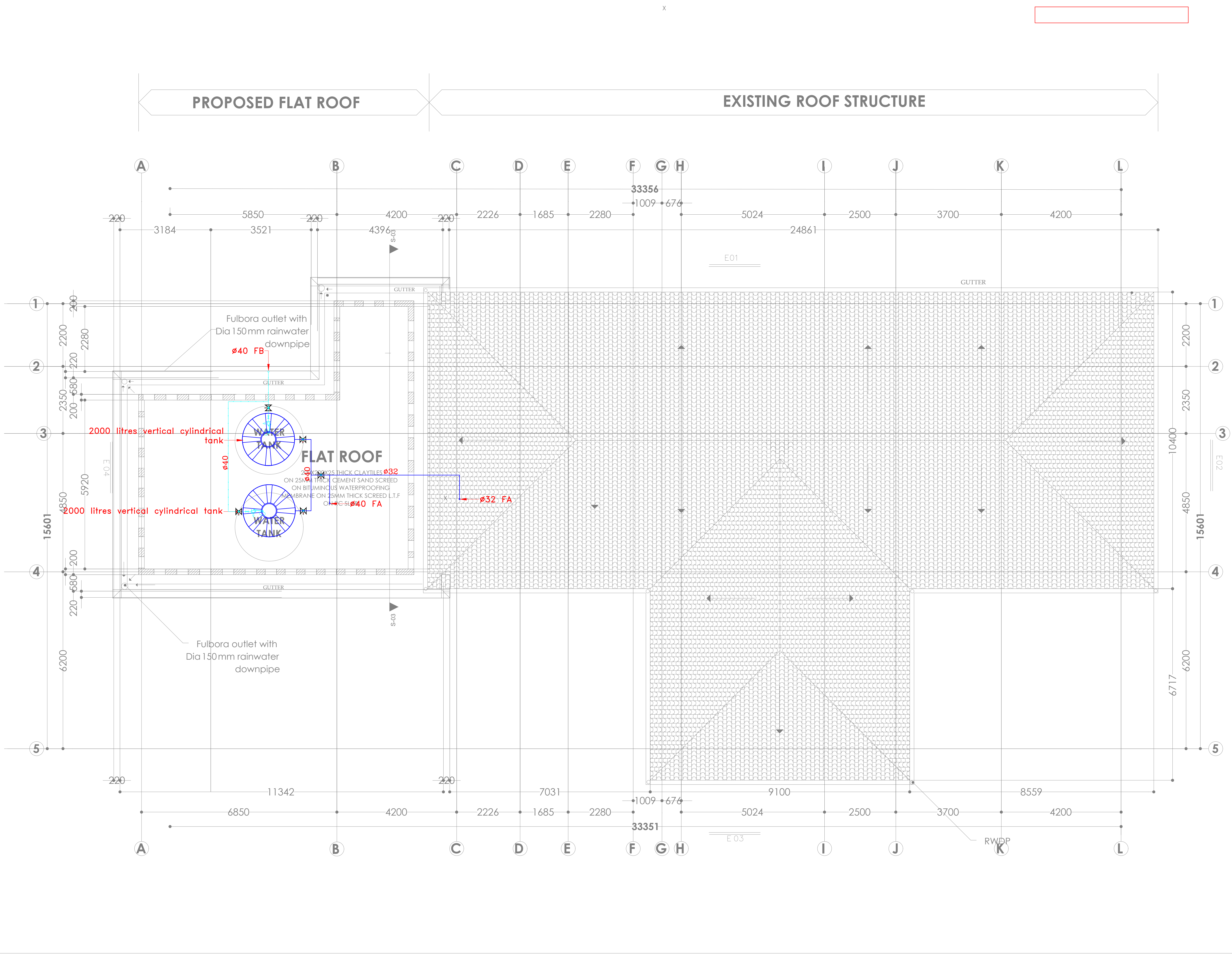
FISH BANDA ROOF DRAINAGE

Scale:	NTS
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Project no.:	Date:
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P.2103	05.05.2024
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT KIPINI FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES, AQUACULTURE & THE BLUE ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FISH BANDA ROOF WATER SUPPLY

Dwg. No.	08-003M-004		
Scale:	NTS		
Drawn by	W.M.	Chek'd By	G.O.
Project no.:		Date:	
P.2103		05.05.2024	



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NAIROBI, KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

FISH BANDA GROUND
FLOOR WATER SUPPLY

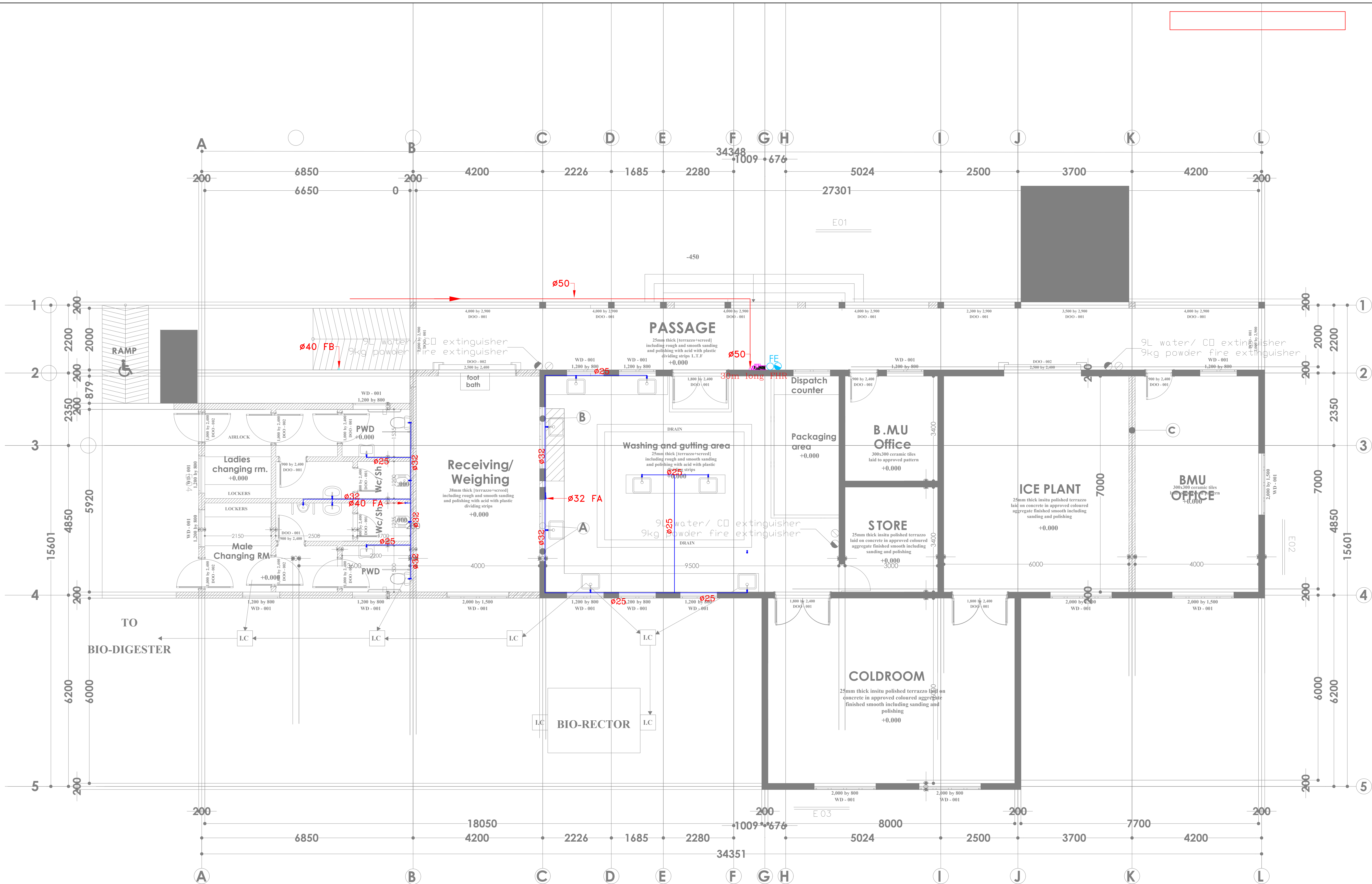
Dwg. No. **08-003M-005**

Scale: NTS

Drawn by **W.M.** Chk'd By **G.O.**

Project no.: _____ Date: _____

P.2103 05.05.2024



PROPOSED WORKS SHOWN THUS

EXISTING WORKS SHOWN THUS

DWAF WALL SHOWN THUS

- A B** Remove the louverd windows and burglar proof reinforcement bars and replace with an opening for receiving fish as approved by the engineer

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REV. No.	Details of Revision

PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT KIPINI FISH LANDING SITE

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

Sign:	
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DRAWING TITLE:
MEETING HALL GROUND
FLOOR DRAINAGE

Dwg. No.	08-003M-006
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Scale:	NTS
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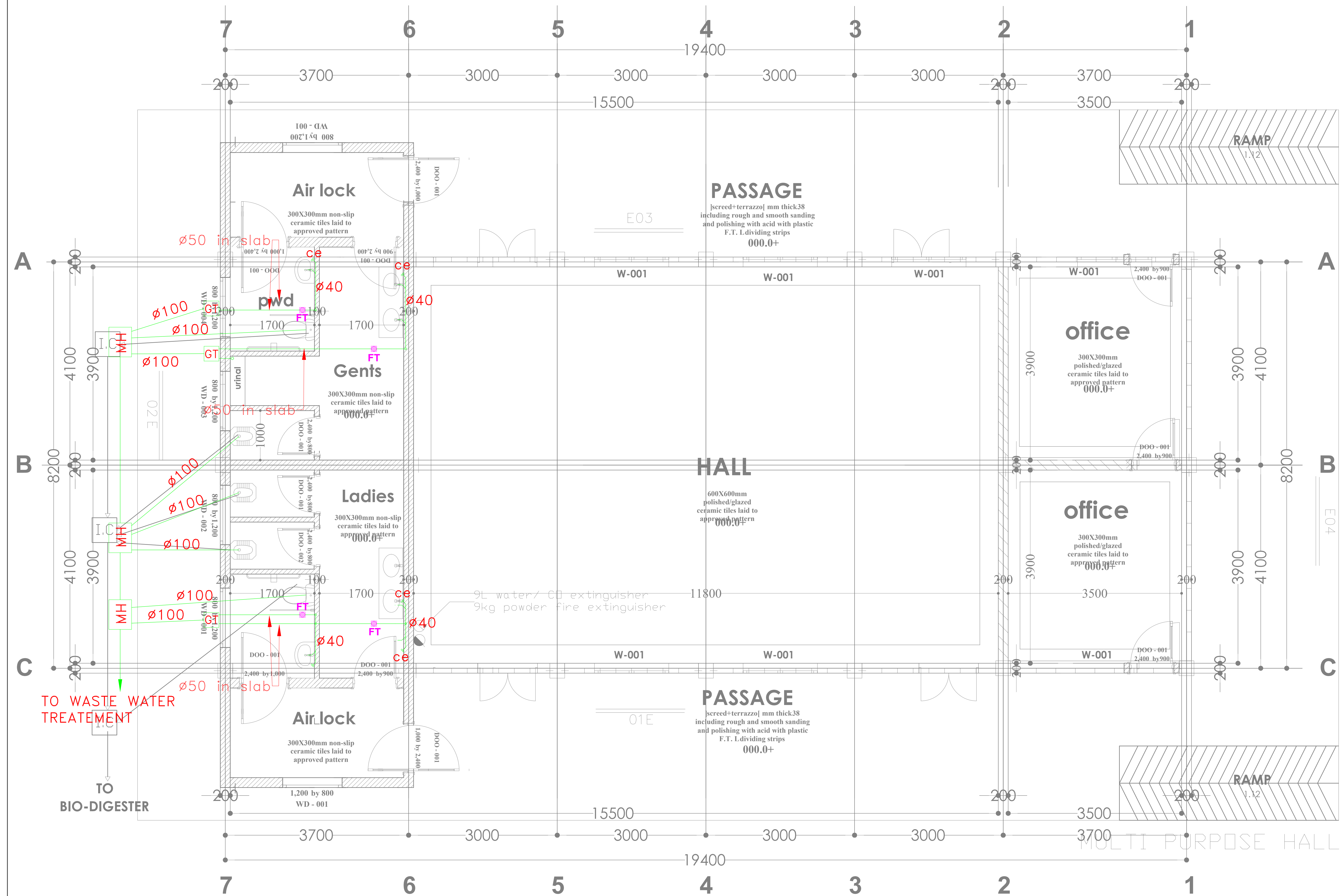
Drawn by	W.M.	Chek'd By	G.O.
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Project no.:

Date:

P.2103

05.05.2024





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

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

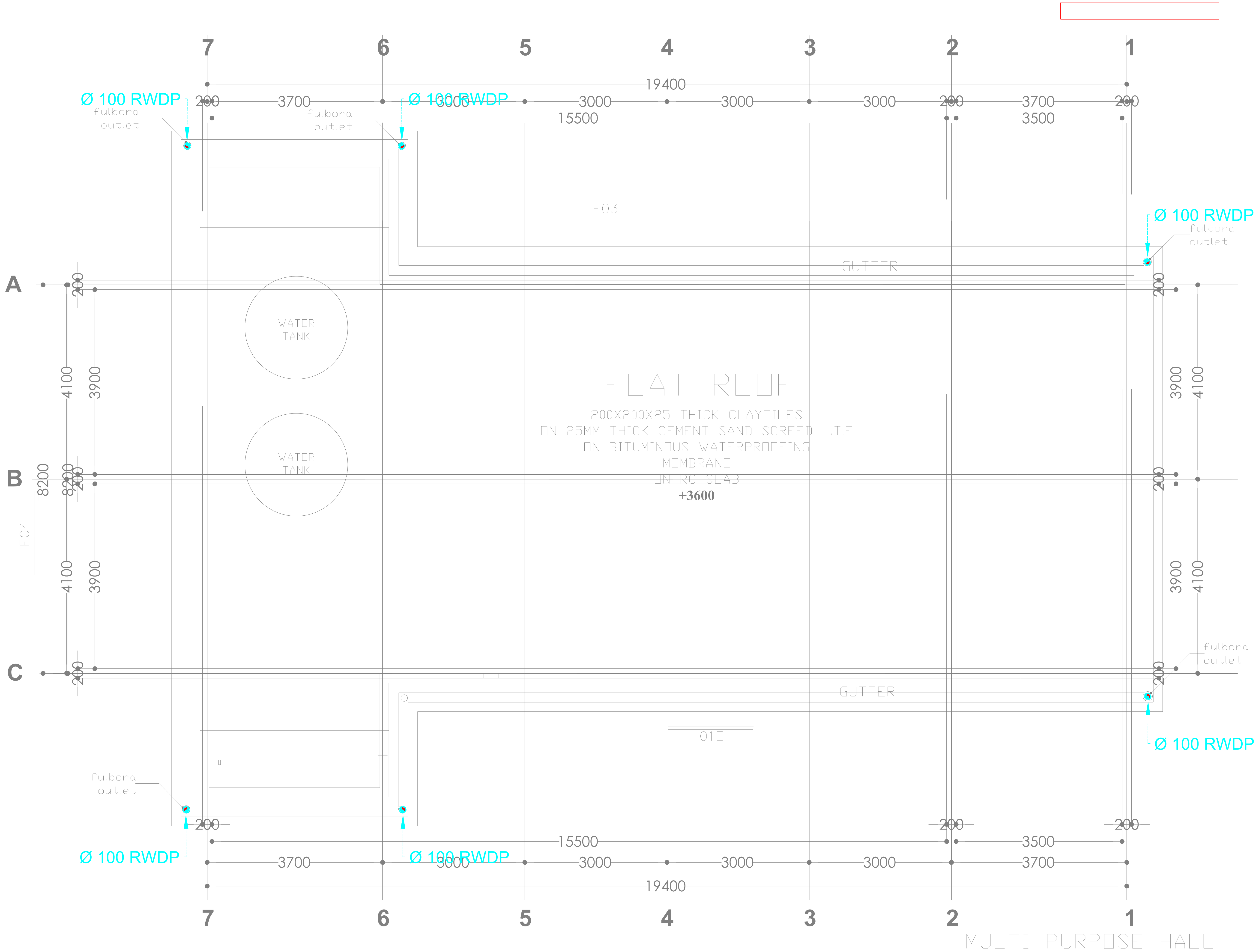
CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

MEETING HALL ROOF
DRAINAGE

Dwg. No.	08-003M-007		
Scale:	NTS		
Drawn by	W.M.	Chek'd By	G.O.
Project no.:	Date:		
P.2103	05.05.2024		



MULTI PURPOSE HALL



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NAIROBI. KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

MEETING HALL GROUND
FLOOR WATER SUPPLY

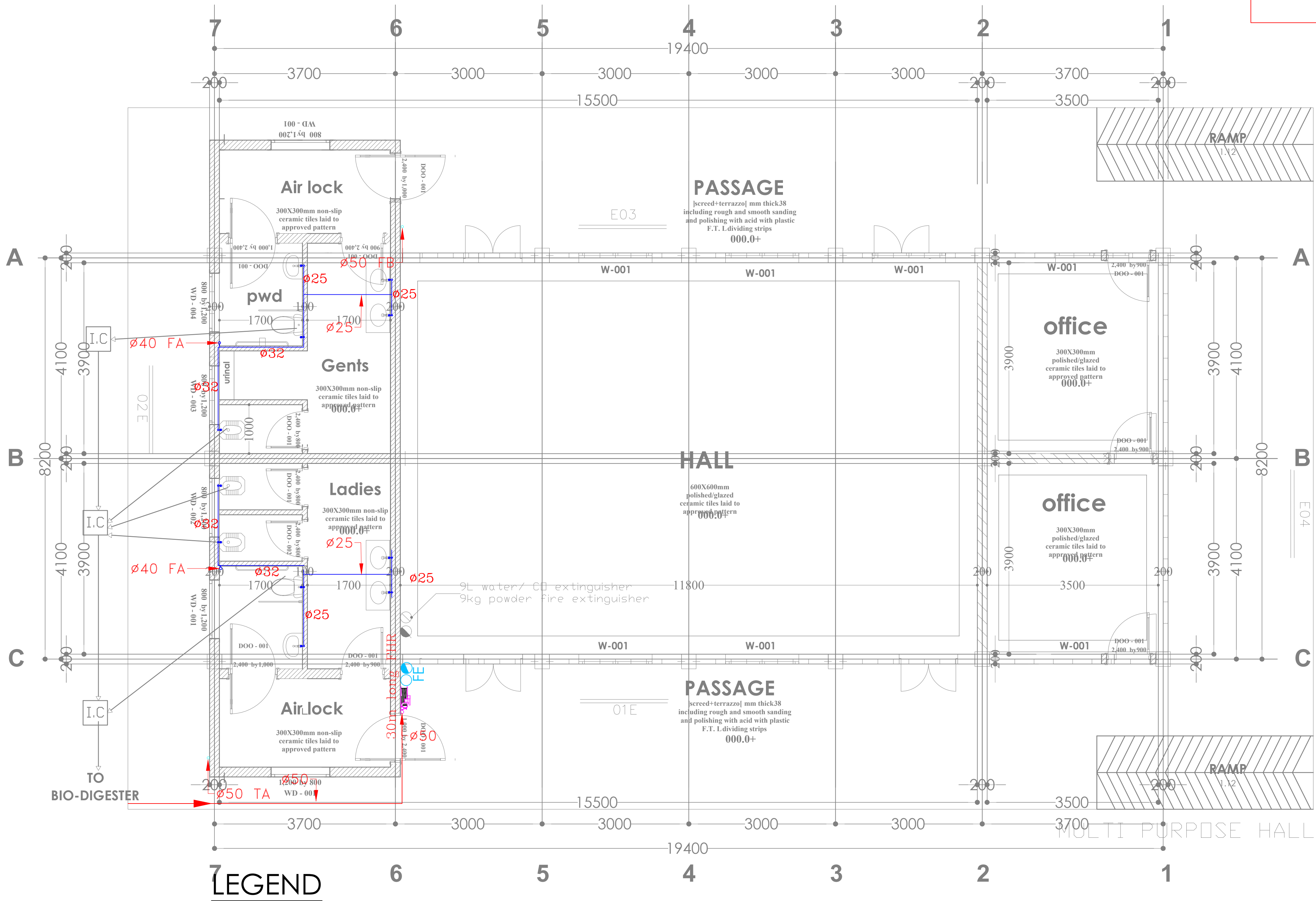
Dwg. No. **08-003M-008**

Scale: NTS

Drawn by **W.M.** Chk'd By **G.O.**

Project no.: _____ Date: _____

P.2103 05.05.2024



CWS — COLD WATER SUPPLY

TB — TO BELOW

FA — FROM ABOVE

TA — TO ABOVE

FE — 9L WATER CO₂ FIRE EXTINGUISHER

FE — 9KG DRY POWDER FIRE EXTINGUISHER

HR — 30m HOSEREEL

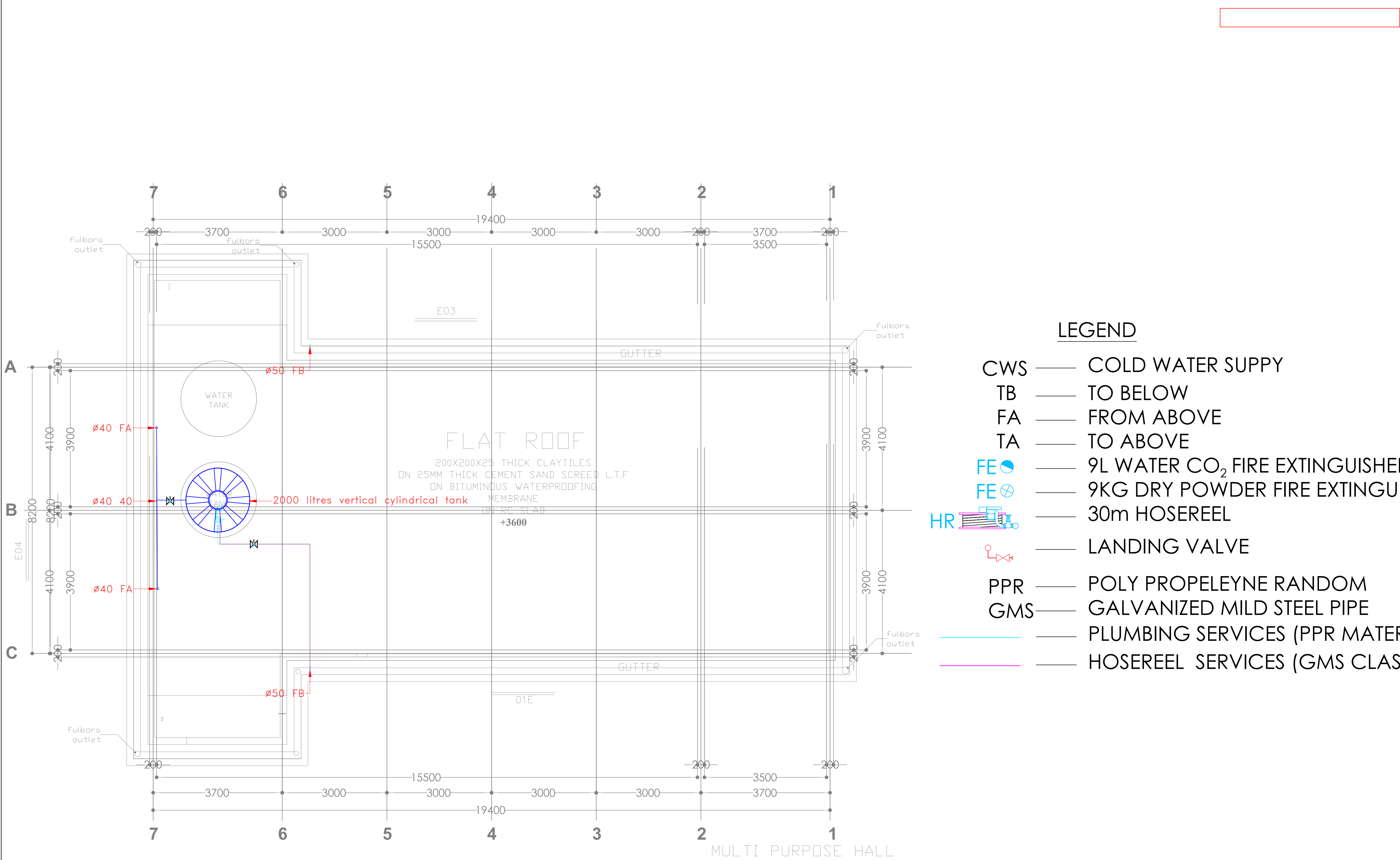
— LANDING VALVE

PPR — POLY PROPELEYNE RANDOM

GMS — GALVANIZED MILD STEEL PIPE

— PLUMBING SERVICES (PPR MATERIAL)

— HOSEREEL SERVICES (GMS CLASS 'B')



LEGEND

- CWS

—

COLD WATER SUPPLY
- TB

—

TO BELOW
- FA

—

FROM ABOVE
- TA

—

TO ABOVE
- FE

—

9L WATER CO₂ FIRE EXTINGUISHER
- FE

—

9KG DRY POWDER FIRE EXTINGUISHER
- HR

—

30m HOSEREEL
- LANDING VALVE
- PPR

—

POLY PROPELEYNE RANDOM
- GMS

—

GALVANIZED MILD STEEL PIPE
- PLUMBING SERVICES (PPR MATERIAL)
- HOSEREEL SERVICES (GMS CLASS 'B')

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

MEETING HALL FOOF
WATER SUPPLY

Dwg. No.	08-003M-009
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Scale:	NTS
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Drawn by	W.M.	Chek'd By	G.O.
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Project no.:	Date:
P.2103	05.05.2024



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PO. BOX 12969-0040,
NAIROBI, KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

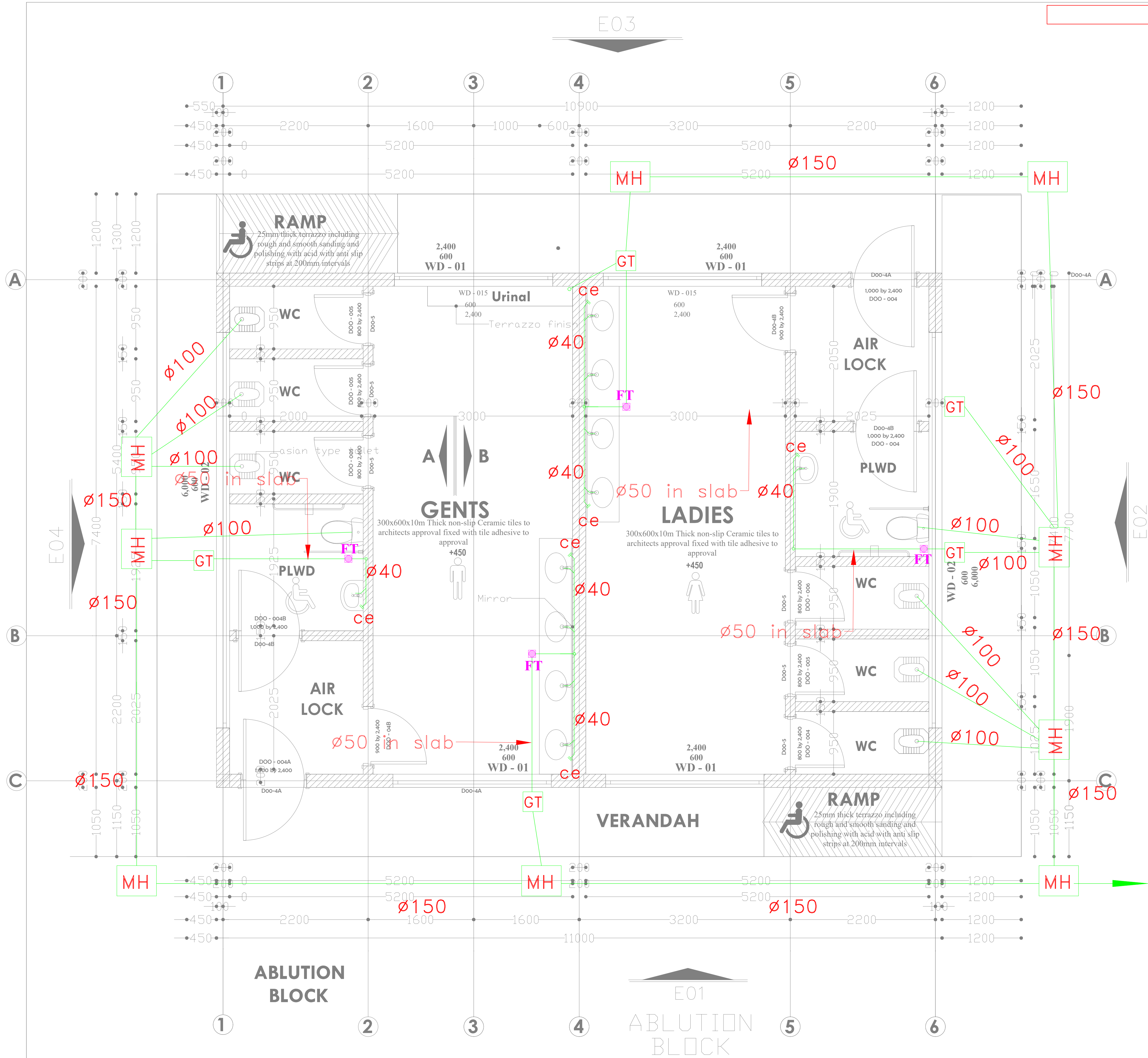
ABLUTION GROUND FLOOR
DRAINAGE

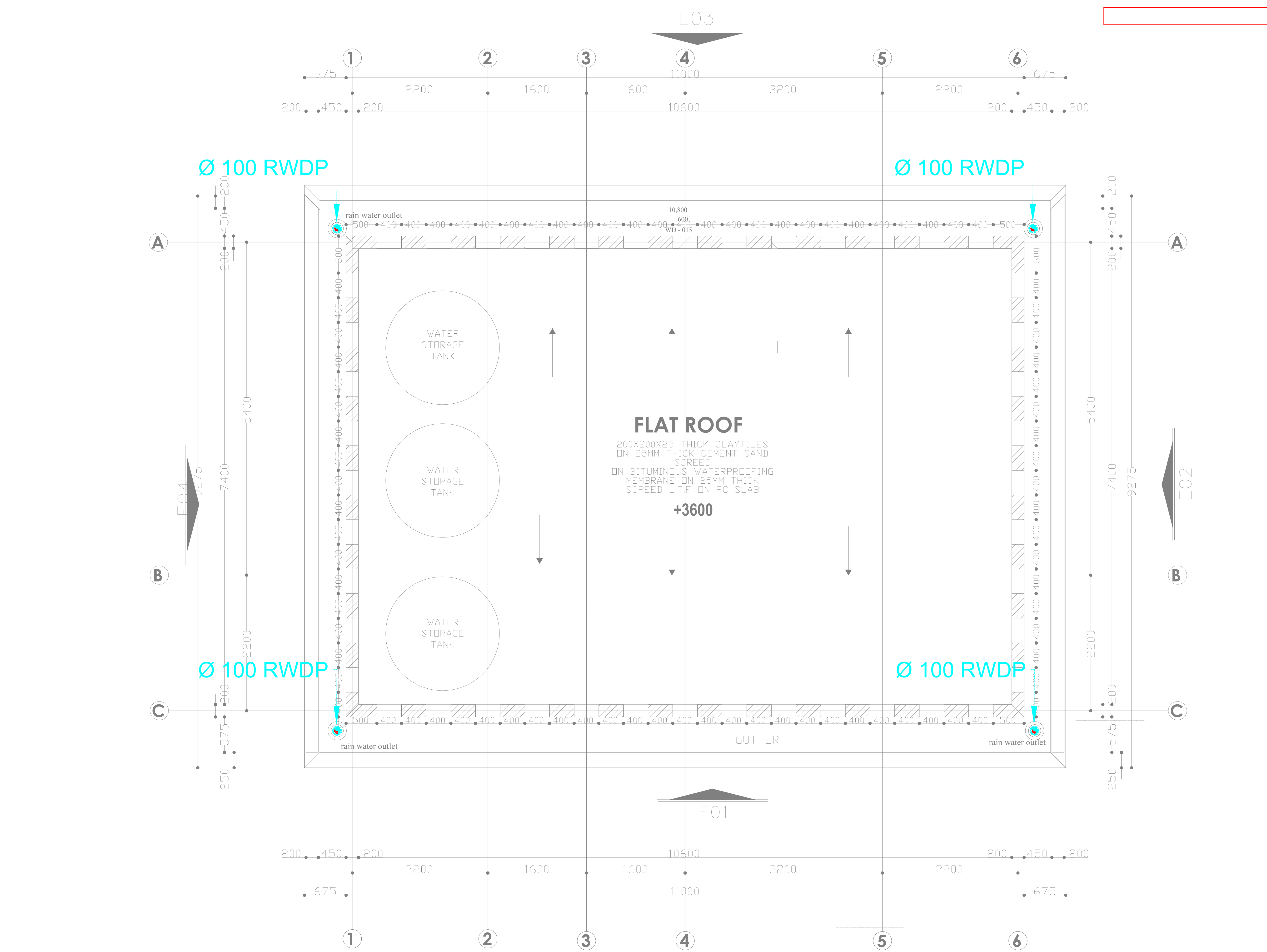
Dwg. No. **08-003M-010**

Scale: NTS


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Project no.:
P.2103 Date:
05.05.2024





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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT
KIPINI FISH LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES, AQUACULTURE & THE BLUE ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

ABLUTION ROOF DRAINAGE

Dwg. No.

08-003M-011

Scale:

NTS

Drawn by

W.M.

Chek'd By

G.O.

Project no.:

Date:

P.2103

05.05.2024



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NAIROBI, KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

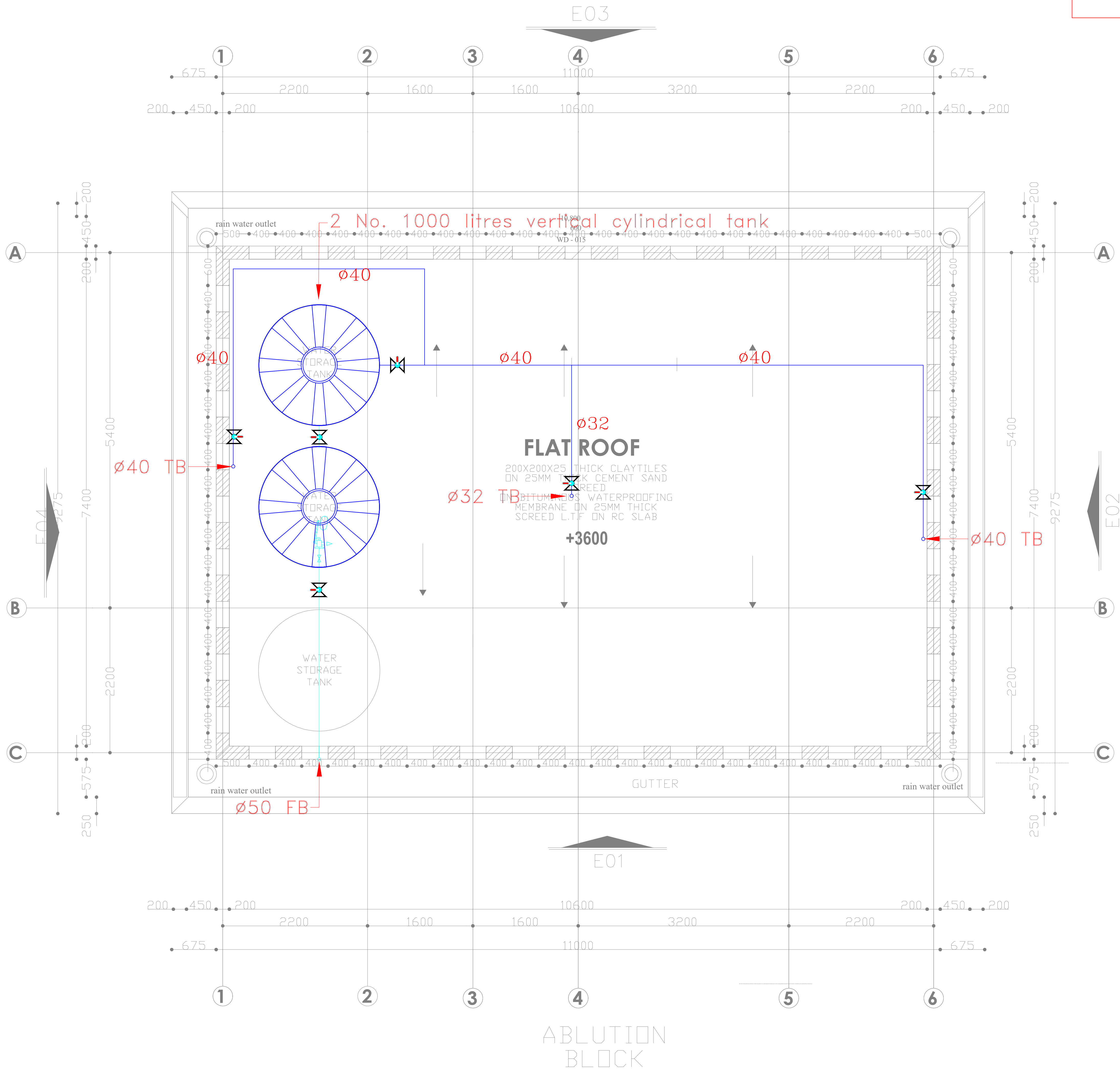
**ABLUTION ROOF WATER
SUPPLY**

Dwg. No. **08-003M-012**

Scale: NTS

Drawn by **W.M.** Chk'd By **G.O.**

Project no.: P.2103
Date: 05.05.2024





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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINTI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

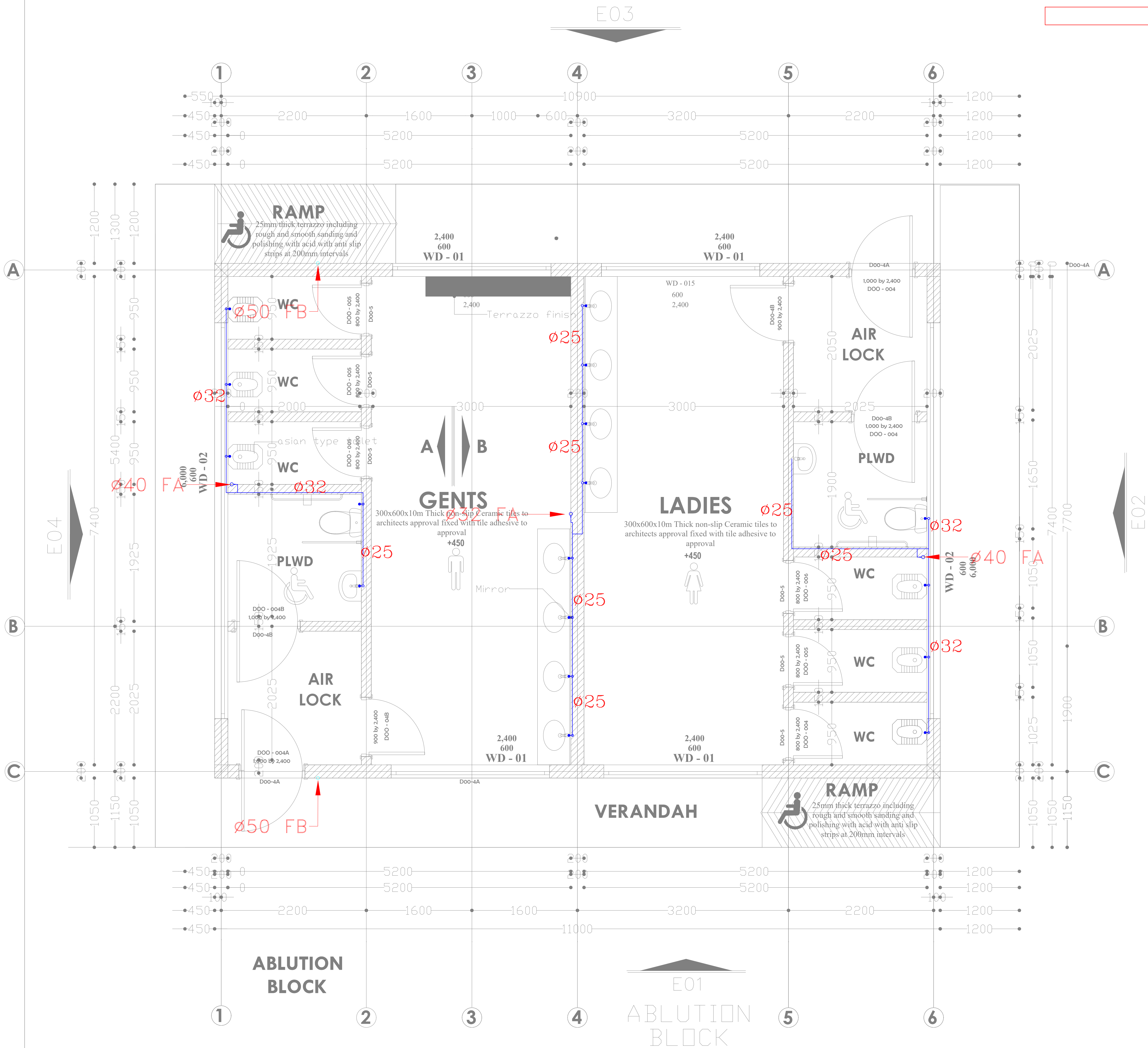
ABLUTION GROUND FLOOR
WATER SUPPLY

Dwg. No. **08-003M-013**

Scale: NTS

Drawn by **W.M.** Chek'd By **G.O.**

Project no.: _____ Date: _____
P.2103 05.05.2024





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NAIROBI, KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

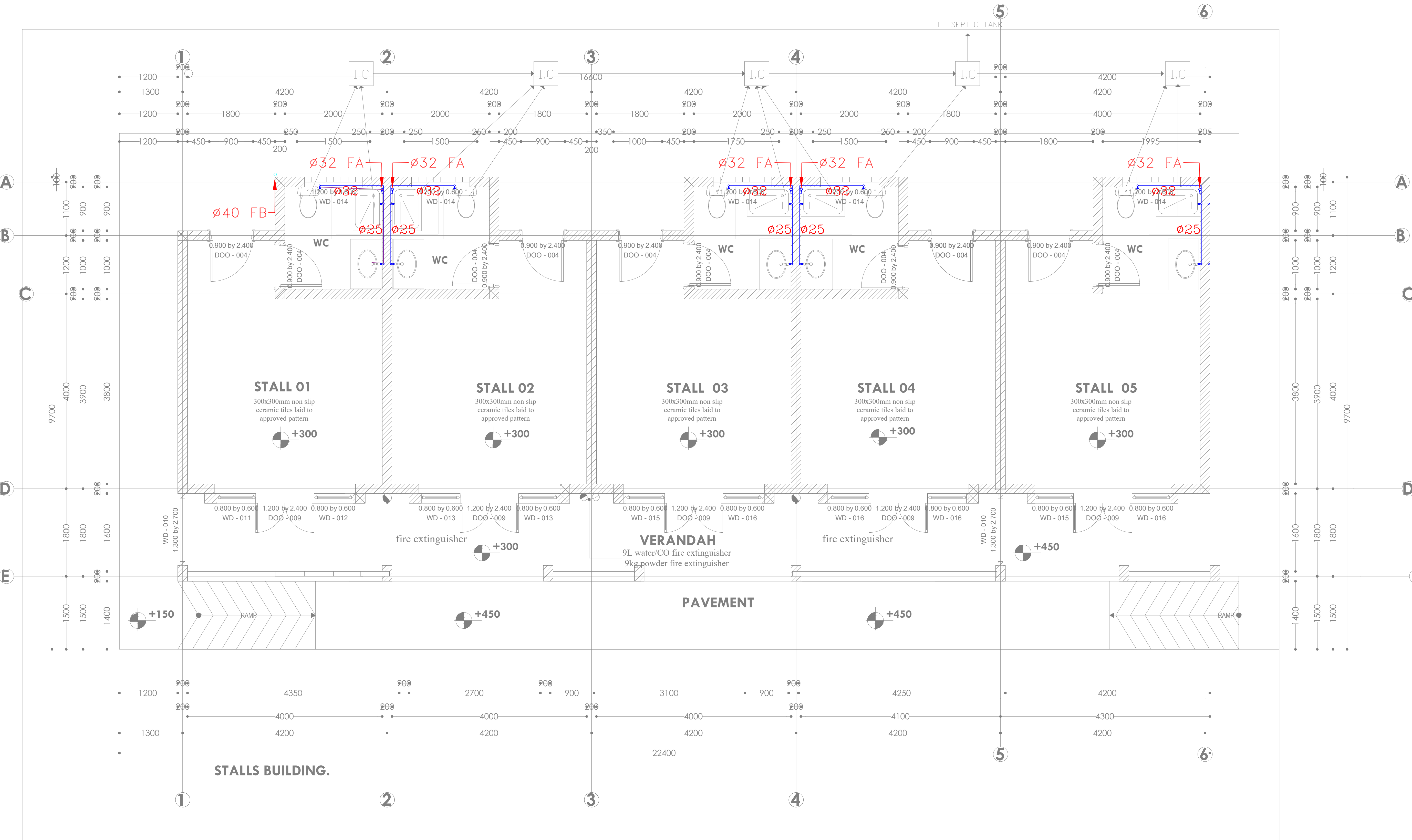
**STALL BUILDING GROUND
FLOOR WATER SUPPLY**

Dwg. No. **08-003M-014**

Scale: NTS

Drawn by **W.M.** Chk'd By **G.O.**

Project no.: _____ Date: **05.05.2024**





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NAIROBI. KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

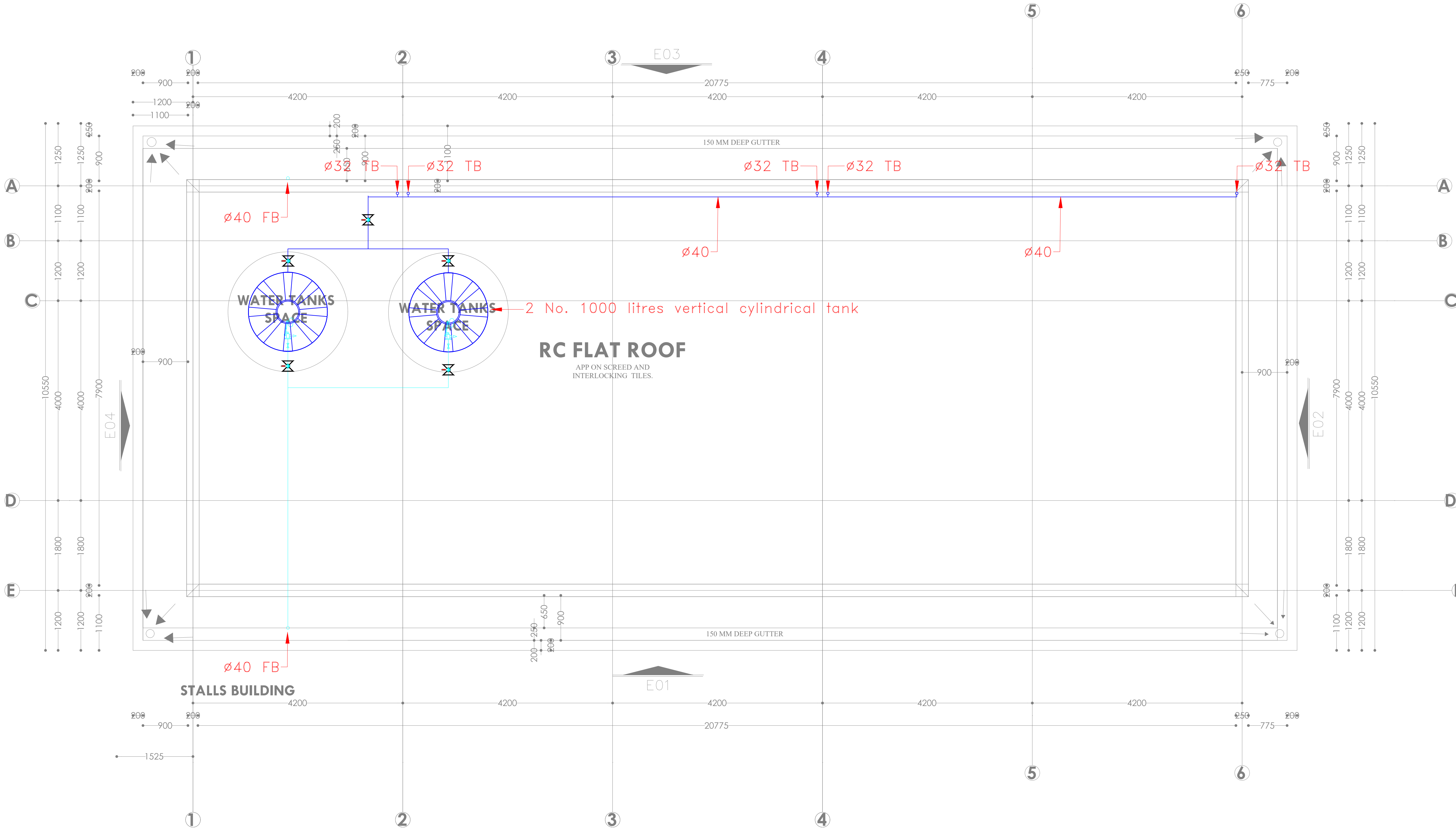
**STALL BUILDING ROOF
WATER SUPPLY**

Dwg. No. **08-003M-015**

Scale: NTS

Drawn by **W.M.** Chek'd By **G.O.**

Project no.: P.2103 Date: 05.05.2024





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NAIROBI. KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

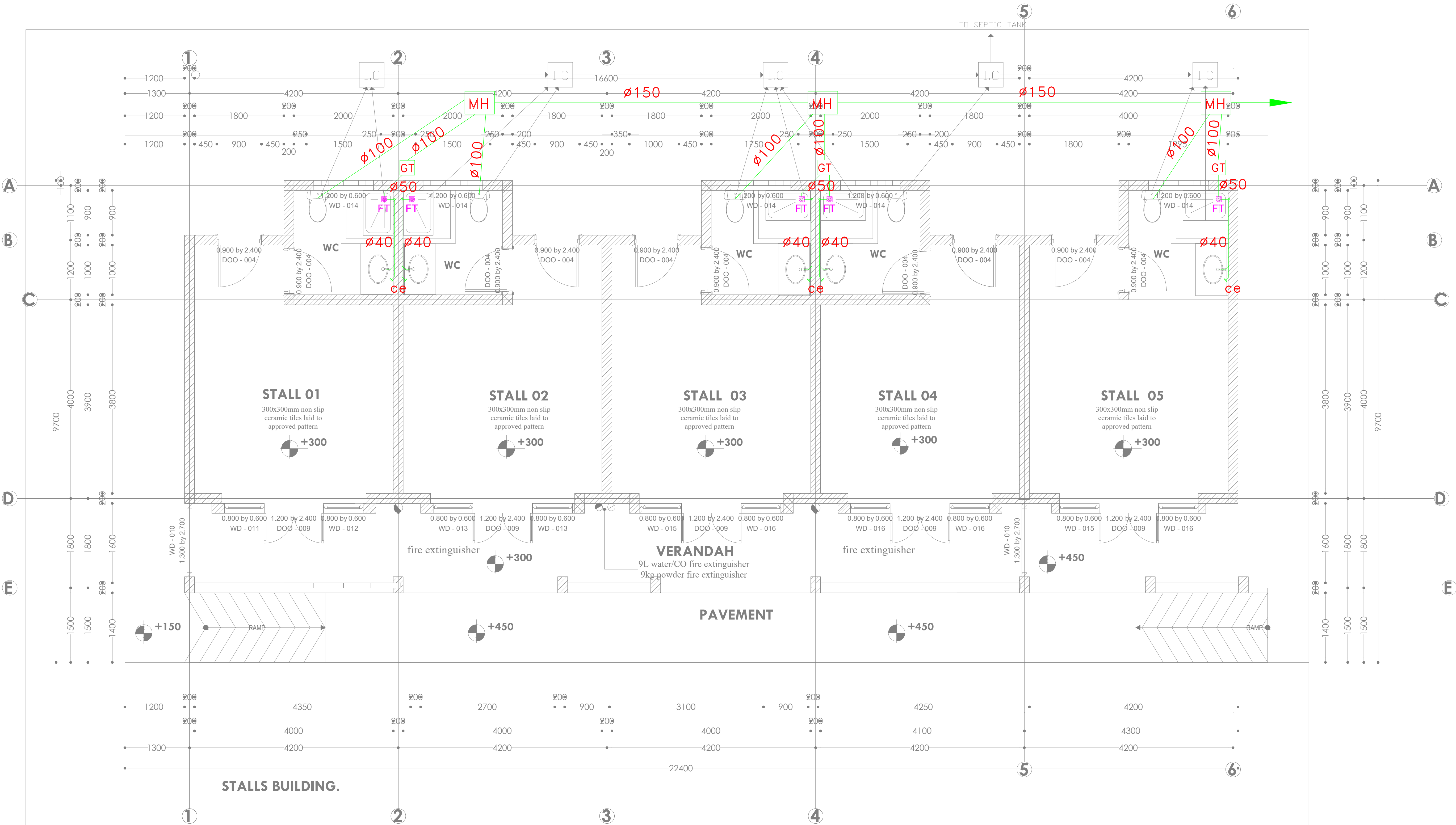
**STALL BUILDING GROUND
FLOOR DRAINAGE**

Dwg. No. **08-003M-016**

Scale: NTS

Drawn by **W.M.** Chk'd By **G.O.**

Project no.:	Date:
P.2103	05.05.2024





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PO. BOX 12969-0040,
NAIROBI, KENYA.

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

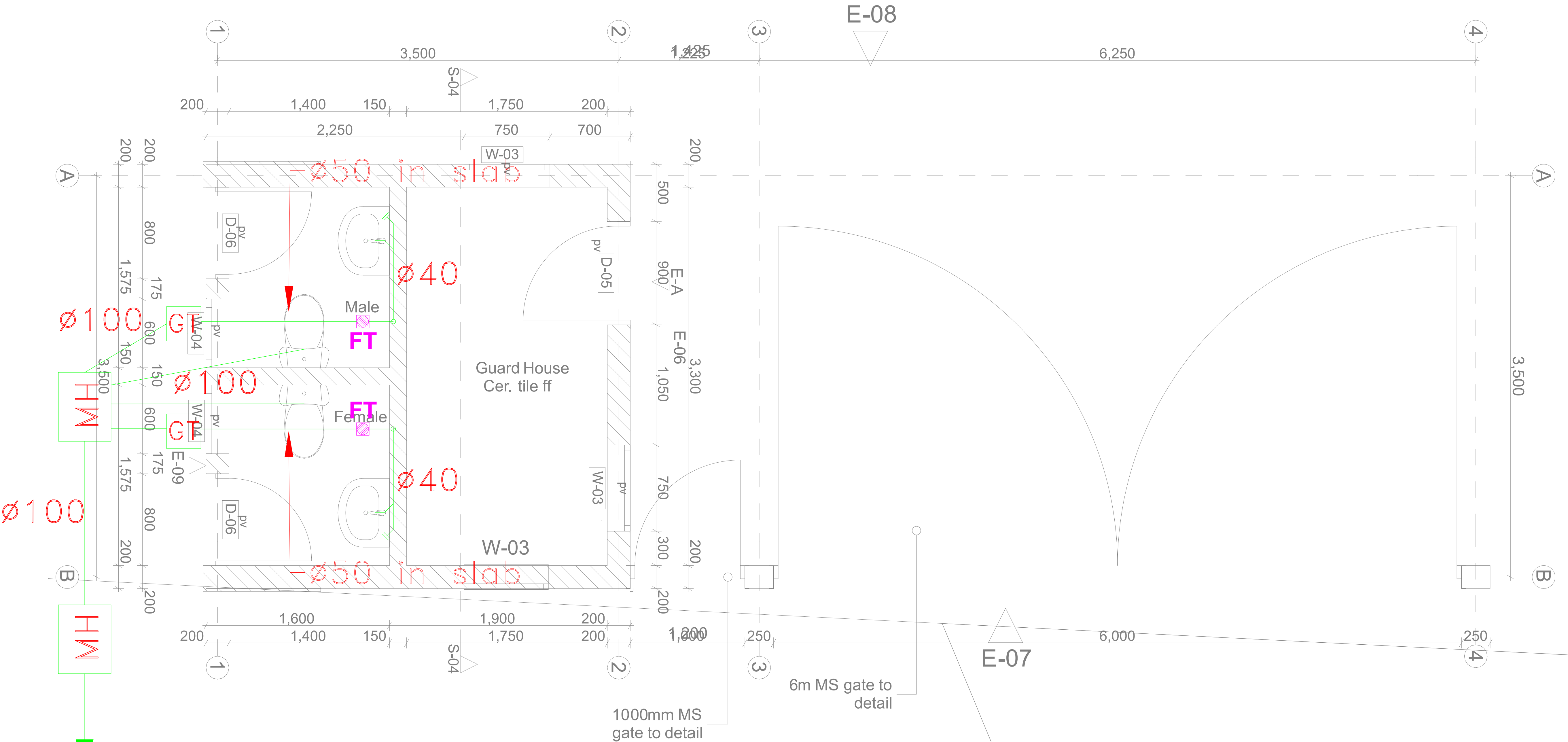
GUARD HOUSE GROUND
FLOOR DRAINAGE

Dwg. No. **08-003M-018**

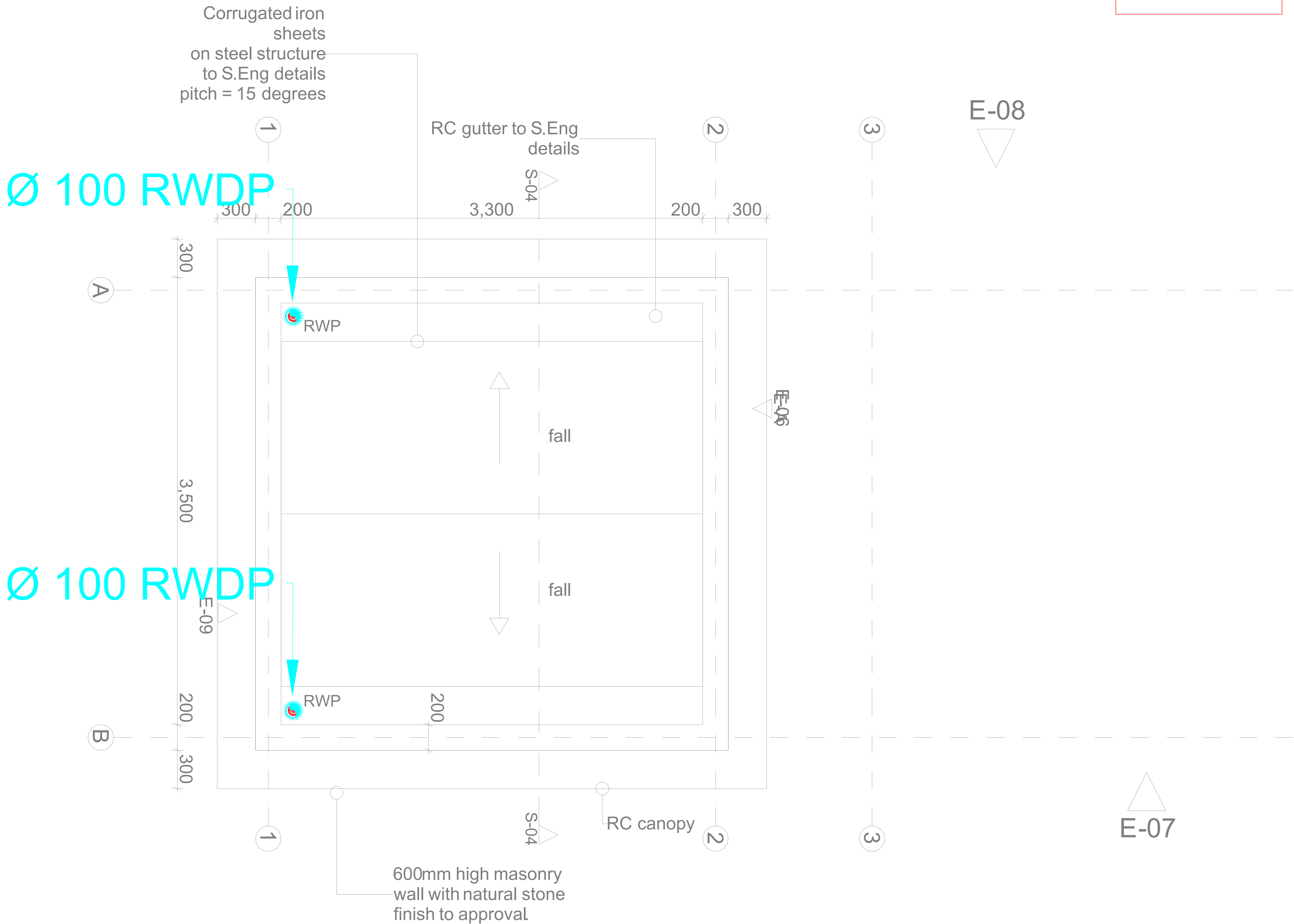
Scale: NTS

Drawn by **W.M.** Chk'd By **G.O.**

Project no.:	Date:
P.2103	05.05.2024



GUARD HOUSE A- PLAN 1:50



GUARD HOUSE A- ROOF PLAN 1:50

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NAIROBI. KENYA.

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10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
-------	--

DRAWING TITLE:

GUARD HOUSE ROOF
FLOOR DRAINAGE

Dwg. No.	08-003M-019		
Scale:	NTS		
Drawn by	W.M.	Chek'd By	G.O.
Project no.:		Date:	
P.2103		05.05.2024	



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

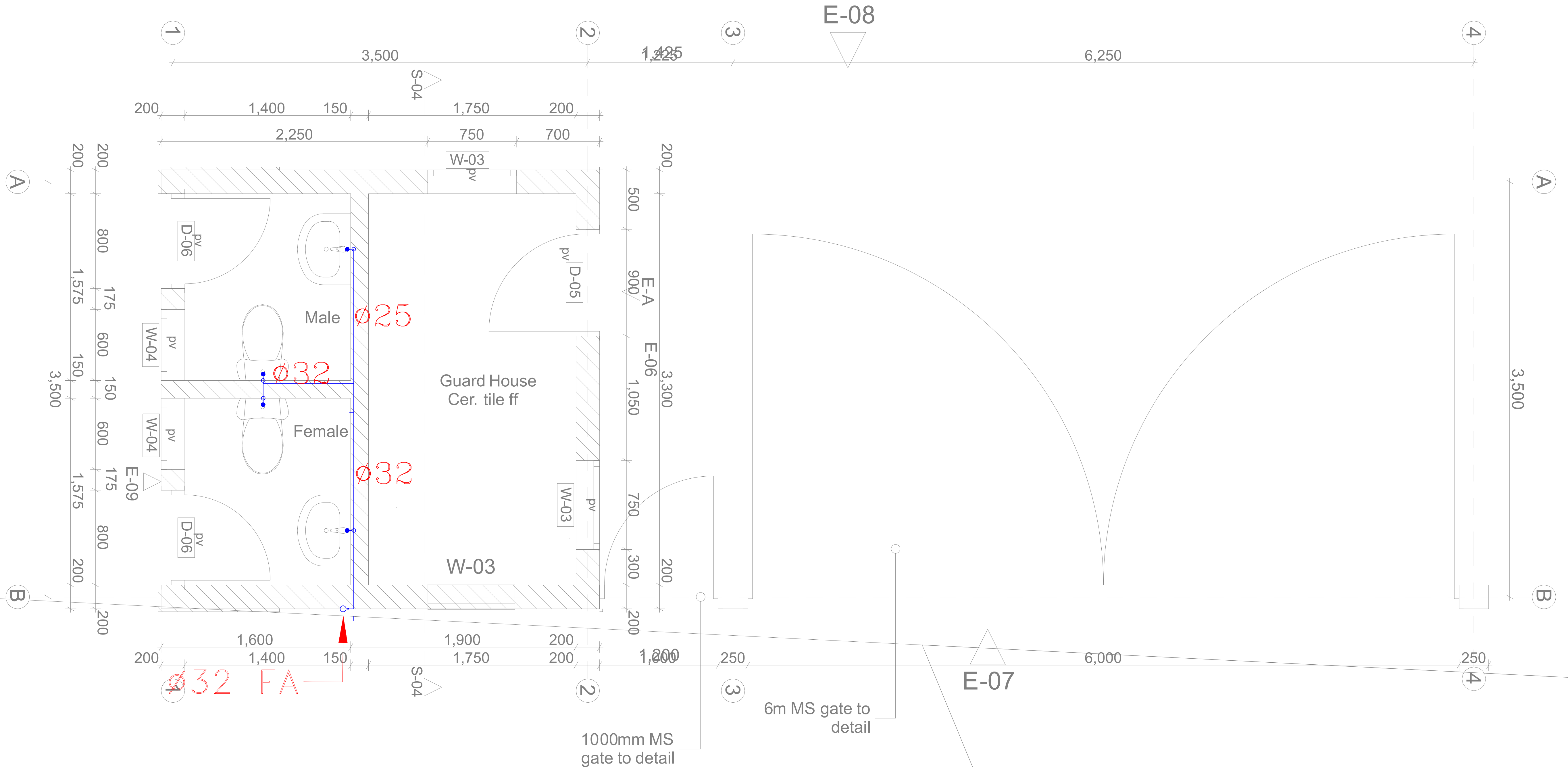
**GUARD HOUSE WATER
SUPPLY**

Dwg. No. **08-003M-020**

Scale: NTS

Drawn by **W.M.** Chek'd By **G.O.**

Project no.:	Date:
P.2103	05.05.2024



GUARD HOUSE A- PLAN 1:50



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

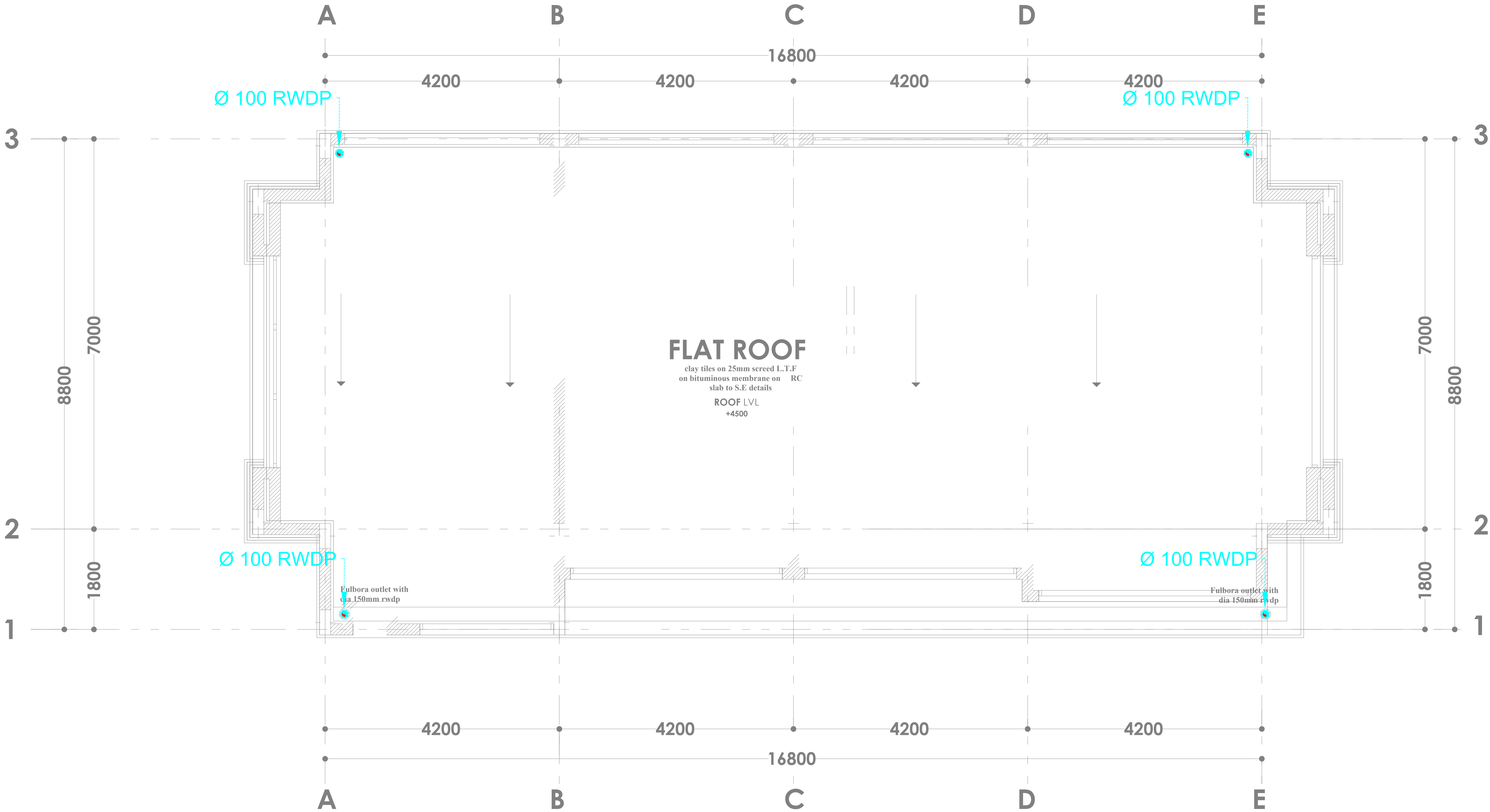
CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

BOAT YARD ROOF FLOOR
DRAINAGE

Dwg. No.	08-003M-021		
Scale:	NTS		
Drawn by	W.M.	Chek'd By	G.O.
Project no.:	Date:		
P.2103	05.05.2024		





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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:

BOAT YARD WATER SUPPLY
& FIREFIGHTING

Dwg. No. 08-003M-022

Scale: NTS

Drawn by W.M. Chek'd By G.O.

Project no.:	Date:
P.2103	05.05.2024

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D

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Cold Water
supply pipe
from mains

GMS Hose reel
water supply
pipe

STORE

25mm thick [terrazzo+screed]
including rough and smooth sanding
and polishing with acid with plastic
dividing strips L.T.F
+300

YARD HALL

25mm thick [terrazzo+screed]
including rough and smooth sanding
and polishing with acid with plastic
dividing strips L.T.F
+300

9L water/ CO extinguisher
9kg powder fire extinguisher

9L water/ CO extinguisher
9kg powder fire extinguisher

W00-1

W00-1

W00-1

W00-1

W00-2

D00-2

D00-2

D00-1

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D00-1

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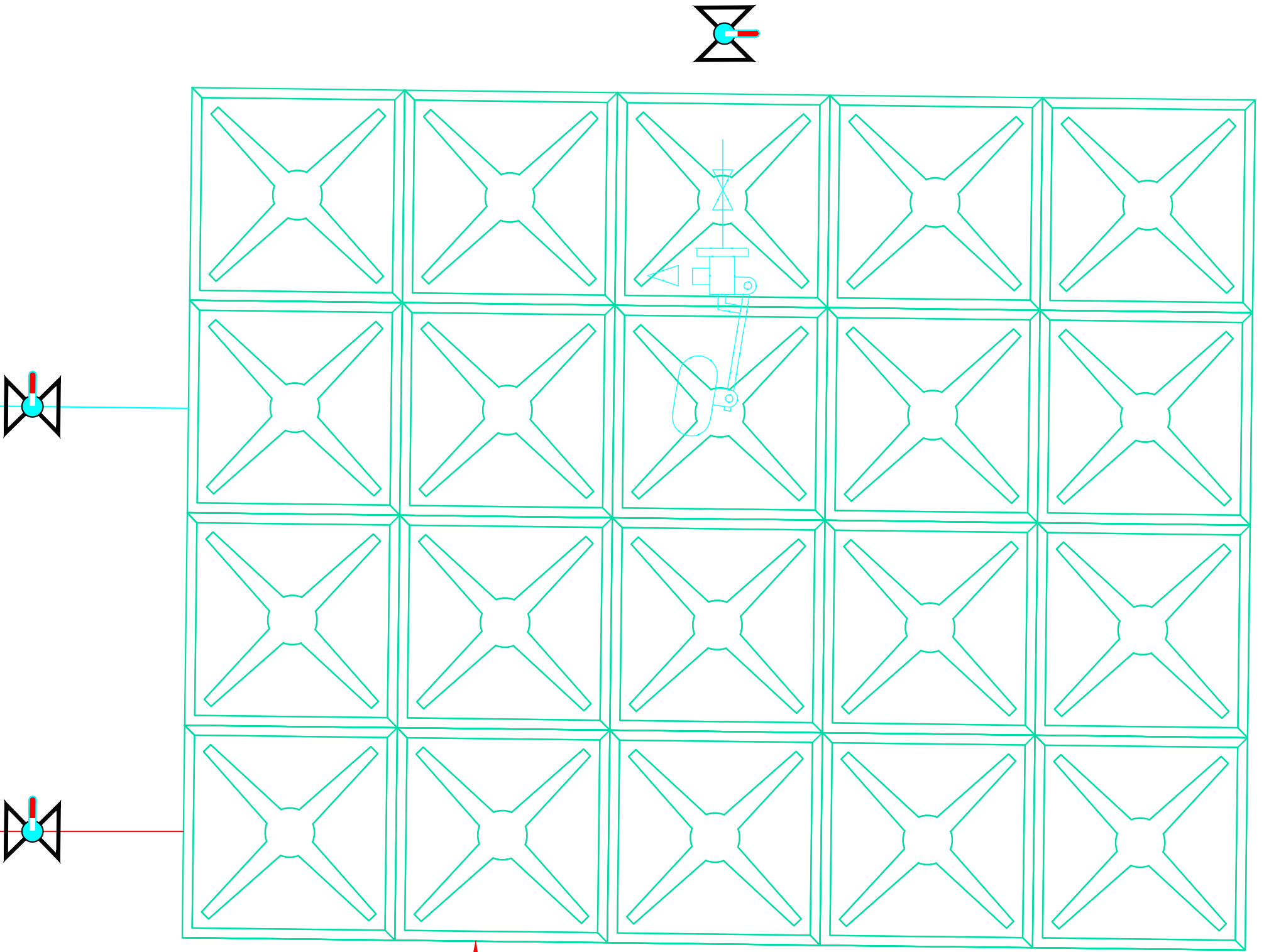
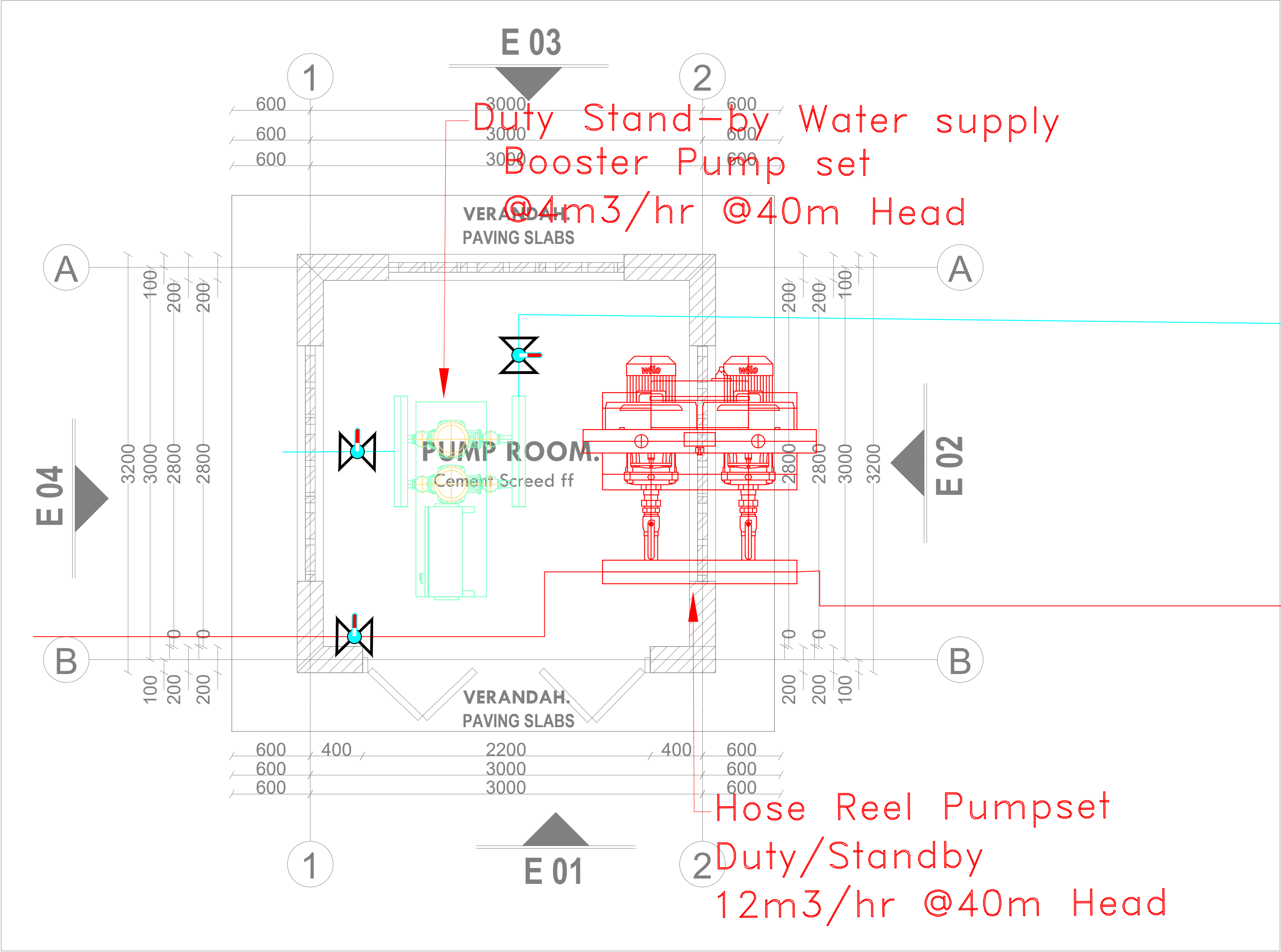
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
-------	--

DRAWING TITLE:

Pump Room Details

Dwg. No. 08-003M-023

Scale: NTS

Drawn by W.M. Chek'd By G.O.

Project no.: Date:
P.2103 05.05.2024



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED KENYA MARINE
FISHERIES AND SOCIO-ECONOMIC
DEVELOPMENT
KIPINI FISH
LANDING SITE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

SITE PLAN WATER
RETICULATION

Dwg. No. 08-003M-024

Scale: NTS

Drawn by W.M. Chek'd By G.O.

Project no.: P.2103 Date: 05.05.2024

