



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 KILIFI FISHERIES OFFICE

Employer: State Department for Blue Economy & Fisheries
Project: Kenya Marine Fisheries Socio-Economic
Development Project (KEMFSED)
Contract Title: CONSTRUCTION OF KILIFI FISHERIES OFFICE
Country: Republic of Kenya
Loan No./Credit No/Grant No.: 6540-KE
RFBNo.: KE-MOMBE&MA-KLF-2024-014-CW
Issued on: 13TH FEBRUARY 2024

VOLUME 4 OF 4

DRAWINGS

05. CONSTRUCTION OF -KILIFI FISHERIES OFFICE

DRAWING NO 05-001 -001

NO.	DRAWING/DOCUMENT	DRAWING NO	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
	PROJECT 05	ARCHITECTURAL DRAWINGS.			
	LIST OF DRAWINGS.				
01	SITE PLAN.	05-001-001	A1	PDF/DWG	PROVIDED
	FLOOR PLANS	BUILDING.			
02	GROUND FLOOR PLAN	05-001-002	A1	PDF/DWG	PROVIDED
03	FIRST FLOOR PLAN	05-001-003	A1	PDF/DWG	PROVIDED
04	SECOND FLOOR PLAN	05-001-004	A1	PDF/DWG	PROVIDED
05	ROOF SLAB	05-001-005	A1	PDF/DWG	PROVIDED
	ELEVATIONS				
06	ELEVATION 01 & 02	05-001-006	A1	PDF/DWG	PROVIDED
07	ELEVATION 03 & 04	05-001-007	A1	PDF/DWG	PROVIDED
	SECTIONS				
08	SECTION 01 & 02	05-001-008	A1	PDF/DWG	PROVIDED
	SCHEDULES				
09	WINDOW SCHEDULES	05-001-009	A1	PDF/DWG	PROVIDED
10	DOOR SCHEDULES	05-001-010	A1	PDF/DWG	PROVIDED
	3D MODEL				
11	3D PERSPECTIVES	05-001-011	A1	PDF/DWG	PROVIDED
	BOUNDARY WALL		A1		
12	BOUNDARY WALL DRAWINGS	05-001-012	A1	PDF/DWG	PROVIDED
	GATE HOUSE				
13	GATE HOUSE DRAWINGS	05-001-013	A1	PDF/DWG	PROVIDED
	PUMP HOUSE				
14	PUMP HOUSE DRAWINGS	05-001-014	A1	PDF/DWG	PROVIDED

NOTES

GENERAL

+All dimensions are shown in mm unless otherwise specified.

+Drawings are not to be scaled. Only figured dimensions to be used.

+The contractor must check and verify all dimensions on site before commencement of any work.

CONSTRUCTION

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

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

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

+ Window sills must be finished before internal plastering.

CIVIL WORKS

+All soil under slabs and all around external foundations to be treated with anti- termite pesticide AND should be executed bylicensed and duly registered sub contractor.

+Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.

+All levels for sewer and road works must be approved by the engineer before work commences.

STRUCTURAL

+This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.

+Concrete to be class 20/20 (1:2:4).

+Steel reinforcement bar to be "Y" – high tensile steel to B.S 4461.

+ "R" – Round mild steel to B.S 449.

+All timber to be sawn cypress G.S grade to KS 02- 771:1989 and seasoned to equilibrium moisture content between 9% and 15%.

+All timber to preservative treated in accordance with KS 02 914:1982.

+Depth of the foundation to be determined on site to S.E's approval.

MECHANICAL

+Pipe dimensions are in mm.

+Cold water device pipes steel, with class B to B.S 1387.

+Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.

+All underground foul and waste drain pipes shall be upvc to comply.

+All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.

+The storm water pipe to comply with BS 556.

+Minimum slope in the drain to be 1%.

+All testing of pipes must be completed before plastering.

ELECTRICAL

+All conditns must be laid before plastering.

+General conditions of contract for sub contract works.

+Government electrical specification number 1.

+Government electrical specification number 2.

+Electrical act and rules made there under.

+The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.

+Kenya power and lighting Co. Ltd.

FIRE

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

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

+ Provide automatic push button fire alarm system

+ Provide heat and smoke detectors in each room

+ Provide 9kg. dry powder fire extinguishers to ME specifications

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

Consultancy :

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

Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by :- F. TUNDUJI 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/KILIFI

Scale 1:100 DRAWING NO. 05-001- 000



NOTES

- GENERAL**
- +All dimensions are shown in mm unless otherwise specified.
 - +Drawings are not to be scaled. Only figured dimensions to be used.
 - +The contractor must check and verify all dimensions on site before commencement of any work.
- CONSTRUCTION**
- +Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
 - + All slab & grade to be poured on 1000gauge polytheneom 50mm stone dust blinding on compacted hardcore.
 - + All soils under slab and around external foundation to be treated for termite control.
 - + Window sills must be finished before internal plastering.
- CIVIL WORKS**
- +All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
 - +Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
 - +All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- +This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
 - +Concrete to be class 20/20 (1:2:4).
 - +Steel reinforcement bar to be "Y" - high tensile steel to B.S 4461.
 - + "R" - Round mild steel to B.S 449.
 - +All timber to be sawn cypress G.S grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - +All timber to preservative treated in accordance with KS 02-914:1982.
 - +Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- +Pipe dimensions are in mm.
 - +Cold water device pipes steel, with class B to B.S 1387.
 - +Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - +All underground foul and waste drain pipes shall be upvc to comply.
 - +All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - +The storm water pipe to comply with BS 556.
 - +Minimum slope in the drain to be 1%.
 - +All testing of pipes must be completed before plastering.
- ELECTRICAL**
- +All conduits must be laid before plastering.
 - +General conditions of contract for sub contract works.
 - +Government electrical specification number 1.
 - +Government electrical specification number 2.
 - +Electrical act and rules made there under.
 - +The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
 - +Kenya power and lighting Co. Ltd.
- FIRE**
- + Initial water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
 - + Provide underground water tank with automatic electric booster pump for ring main
 - + Provide automatic push button fire alarm system
 - + Provide heat and smoke detectors in each room
 - + Provide 9kg. dry powder fire extinguishers to ME specifications

Abbreviations	Meaning
syp	soil vent pipe
mh	man hole
ic	inspection chamber
rec	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
wc	water closet
shw	shower
cc	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all g.d. ft. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

Consultancy :

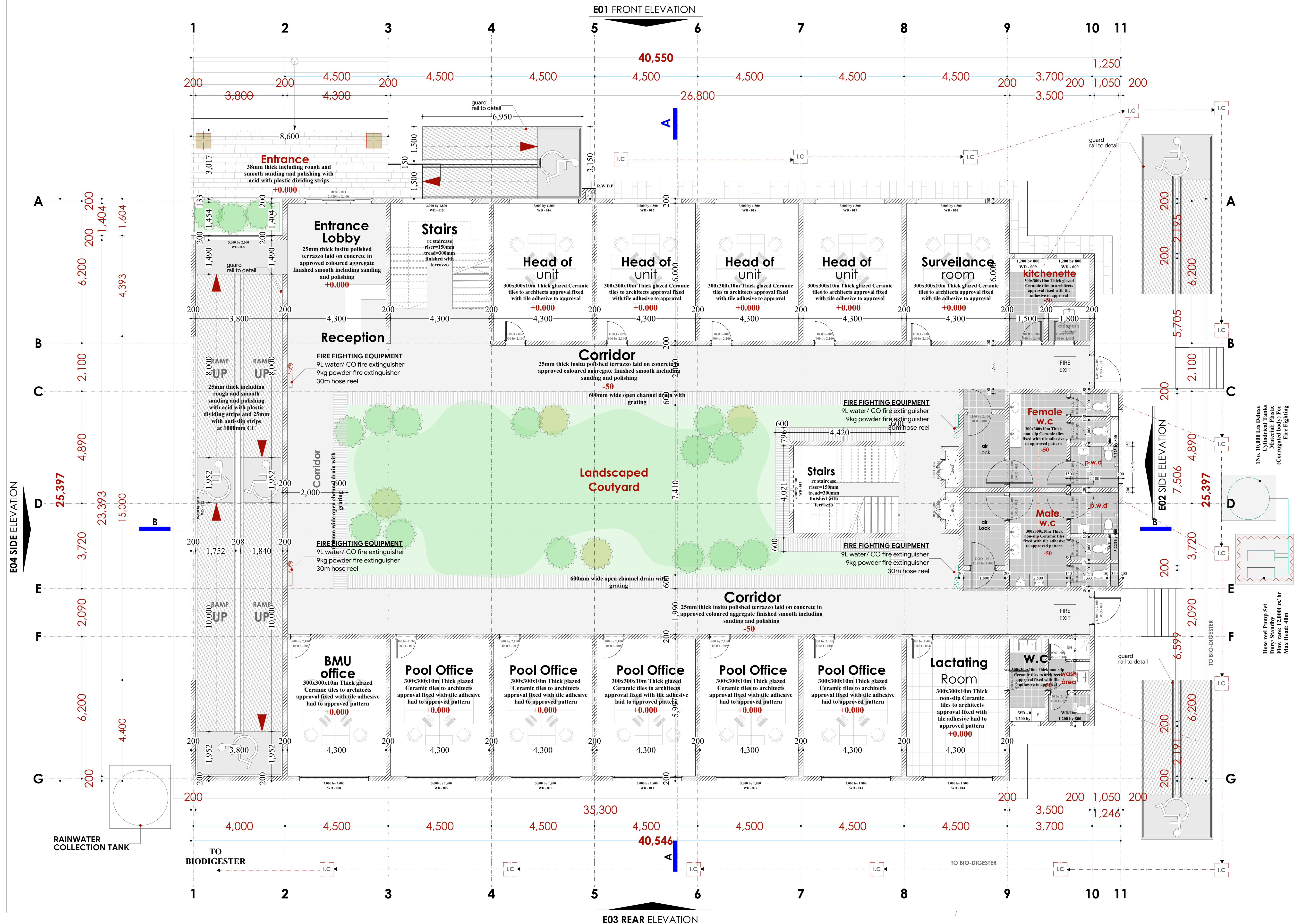
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Date: NOV 2023 Job No . 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001- 001 site plan

Ground Floor plan



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 - The contractor must check and verify all dimensions on site before commencement of any work.
- CONSTRUCTION**
- Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
 - All slab at grade to be poured on 1000gauge polythene 50mm stone dust blinding on compacted hardcore.
 - All walls under slab and around external foundation to be treated for termite control.
 - Window sills must be finished before internal plastering.
- CIVIL WORKS**
- All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
 - Sample for pipe works and other materials for road works specified to be presented to the engineer before works commence.
 - All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
 - Concrete to be class 20/20 (1:2:4).
 - Steel reinforcement bar to be "Y" - high tensile steel to B.S. 4461.
 - "R" - Round mild steel to B.S. 449.
 - All timber to be sawn cypress G.S. grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - All timber to preservative treated in accordance with KS 02-914:1982.
 - Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- Pipe dimensions are in mm.
 - Cold water device pipes steel, with class B to B.S. 1387.
 - Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - All underground foul and waste drain pipes shall be upvc to comply.
 - All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - The storm water pipe to comply with BS 556.
 - Minimum slope in the drain to be 1%.
 - All testing of pipes must be completed before plastering.
- ELECTRICAL**
- All conduits must be laid before plastering.
 - General conditions of contract for sub contract works.
 - Government electrical specification number 1.
 - Government electrical specification number 2.
 - Electrical act and rules made there under.
 - The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
 - Kenya power and lighting Co. Ltd.
- FINISH**
- Base water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
 - Provide underground water tank with automatic electric booster pump for ring main
 - Provide automatic push button fire alarm system
 - Provide heat and smoke detectors in each room
 - Provide 9kg. dry powder fire extinguishers to ME specifications
- Abbreviations**
- | Abbreviations | Meaning |
|---------------|---|
| svp | soil vent pipe |
| mh | man hole |
| ic | inspection chamber |
| rec | reinforced cement concrete |
| gt | gully trap |
| ss sink | stainless steel sink |
| whb | wash hand basin |
| wc | water closet |
| shw | shower |
| cc | centre to centre |
| st. eng./S.E. | structural engineer |
| dpc | damp proof course-under all gr. & l. wallings |
| dpm | damp proof membrane |
| gl | ground level |
| pv | permanent ventilation on all windows & doors except on internal toilet doors. |
- Project : PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT**
- Plot L. R. No.:**
- Location : KILIFI COUNTY**
- Client : STATE DEPARTMENT FOR FISHERIES AQUACULTURE AND THE BLUE ECONOMY**
- Signature
- Subject :**
- KILIFI FISHERIES OFFICE**
- Consultancy :**
- ARPRIM CONSULTANTS
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Checked by: F. TUNDUJI B. Arch. (Hons)
Checked by: J. MOMANYI B. Arch. (Hons)
- Date: NOV 2023 Job No. : 2023/Nov/KILIFI
- Scale 1:100 DRAWING NO. 05-001- 002 ground floor

NOTES

GENERAL
+All dimensions are shown in mm unless otherwise specified.
+Drawings are not to be scaled. Only figured dimensions to be used.
+The contractor must check and verify all dimensions on site before commencement of any work.

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

CIVIL WORKS
+All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
+Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
+All levels for sewer and road works must be approved by the engineer before work commences.

STRUCTURAL
+This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
+Concrete to be class 20/20 (1:2:4).
+Steel reinforcement bar to be "Y" - high tensile steel to B.S.4461.
+Re - Round mild steel to B.S.449.
+All timber to be sawn cypress G.S grade to KS Q2-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
+All timber to be preservative treated in accordance with KS Q2-914:1982.
+Depth of the foundation to be determined on site to S.E's approval.

MECHANICAL
+Pipe dimensions are in mm.
+Cold water device pipes steel, with class B to B.S.1387.
+Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
+All underground foul and waste drain pipes shall be upvc to comply.
+All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
+The storm water pipe to comply with BS 556.
+Minimum slope in the drain to be 1%.
+All testing of pipes must be completed before plastering.

ELECTRICAL
+All conduits must be laid before plastering.
+General conditions of contract for sub contract works.
+Government electrical specification number 1.
+Government electrical specification number 2.
+Electrical act and rules made there under.
+The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
+Kenya power and lighting Co. Ltd.

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

Abbreviations	Meaning
syp	soil vent pipe
mh	man hole
ic	inspection chamber
rec	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
wc	water closet
shw	shower
cc	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all gr. fl. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

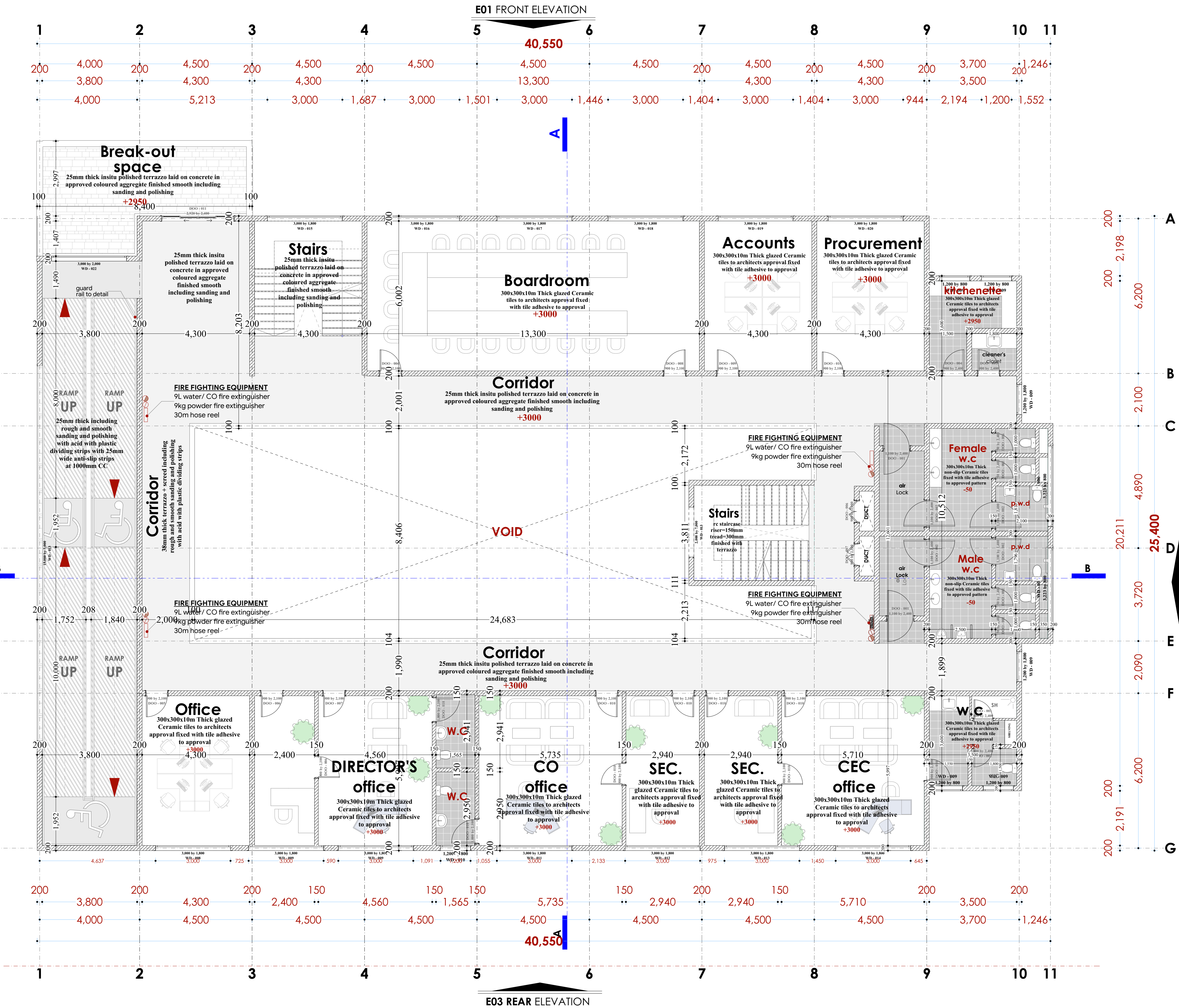
KILIFI FISHERIES OFFICE

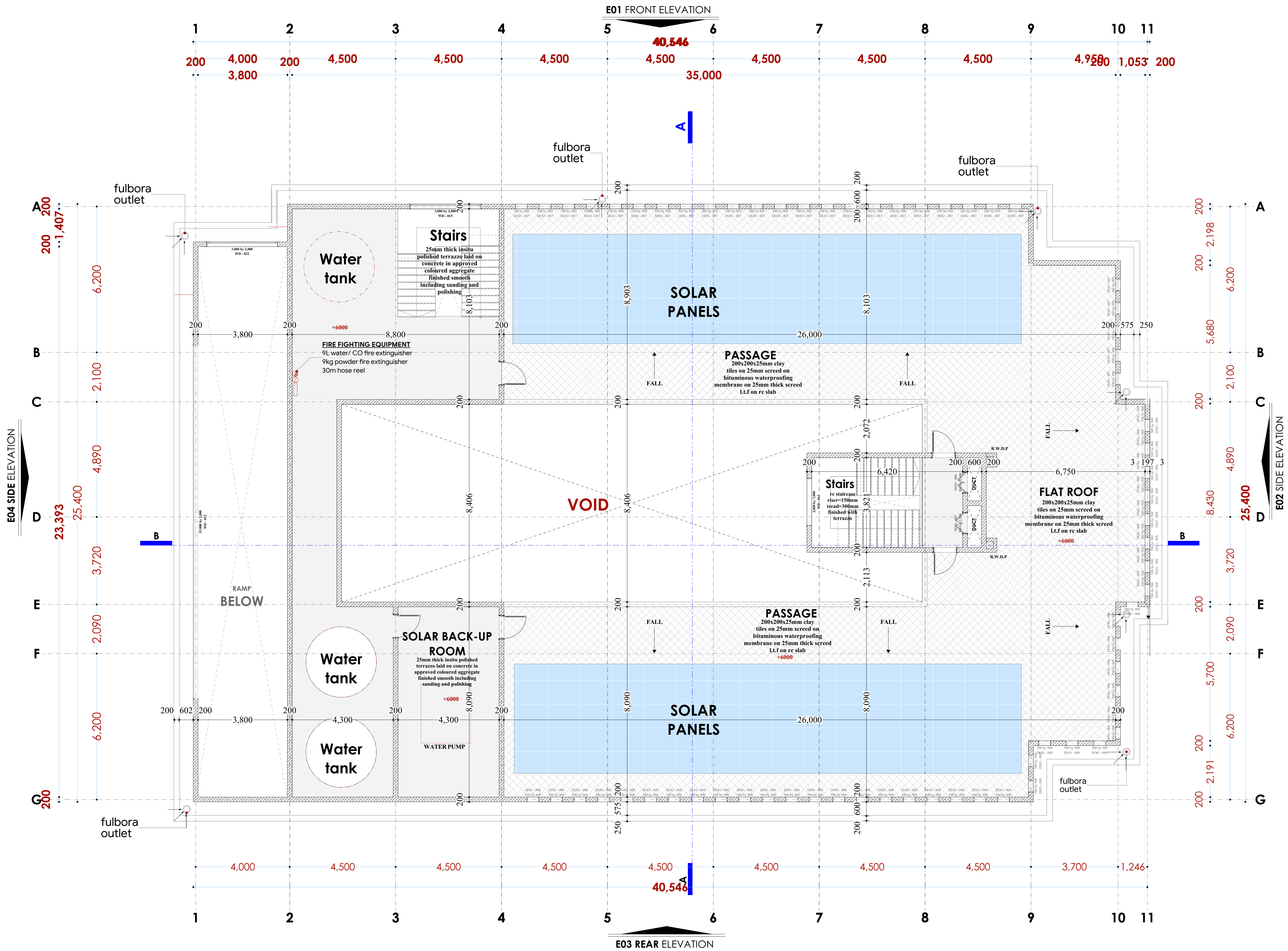
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Date: NOV 2023 Job No. : 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001- 003 1st floor

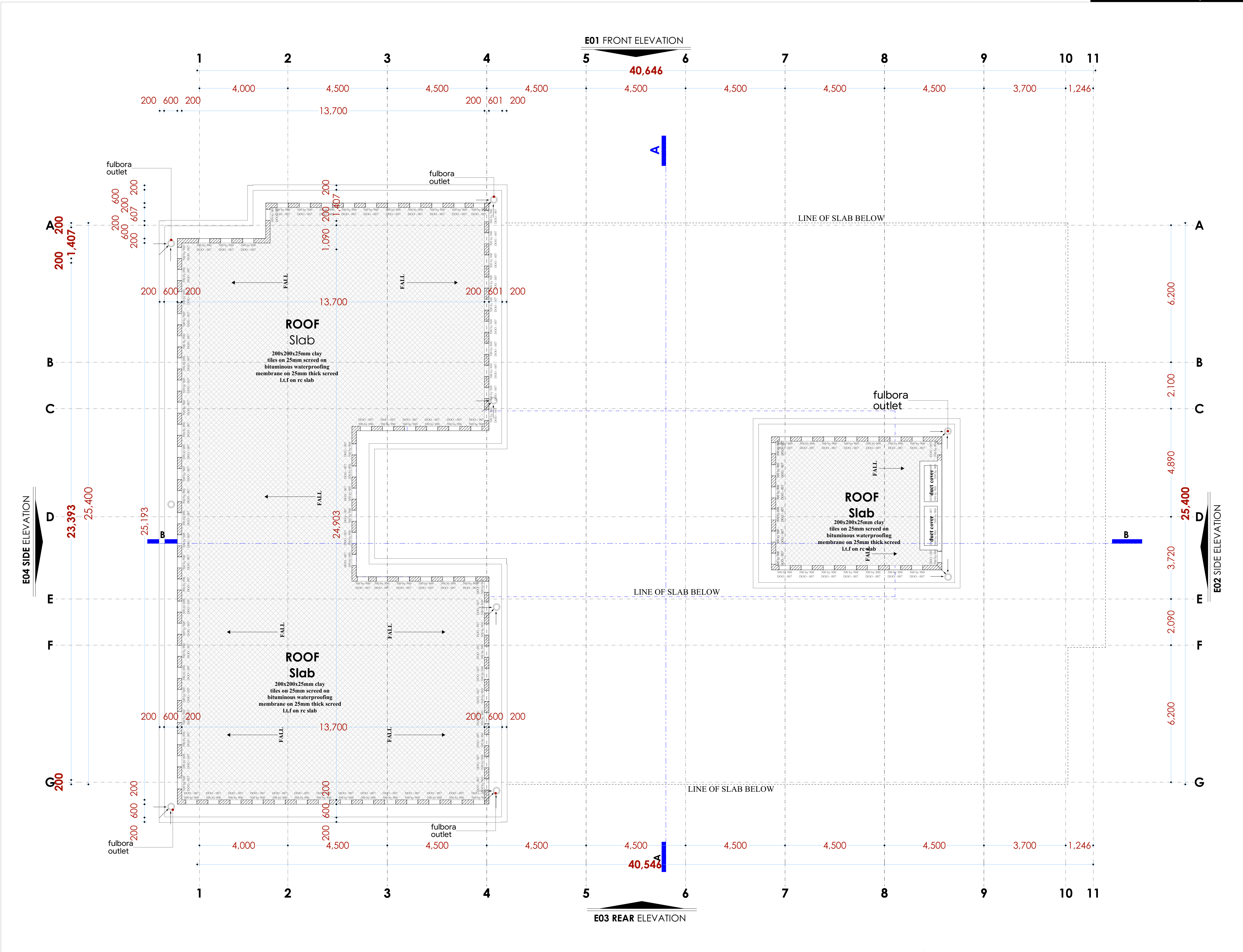




NOTES

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- +All dimensions are shown in mm unless otherwise specified.
 - +Drawings are not to be scaled. Only figured dimensions to be used.
 - +The contractor must check and verify all dimensions on site before commencement of any work.
- CONSTRUCTION**
- +Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
 - +All slab at grade to be poured on 1000gauge polythene 50mm stone dust blinding on compacted hardcore.
 - +All walls under slab and around external foundation to be treated for termite control.
 - +Window sills must be finished before internal plastering.
- CIVIL WORKS**
- +All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
 - +Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
 - +All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- +This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
 - +Concrete to be class 20/20 (1:2:4).
 - +Steel reinforcement bar to be "Y" - high tensile steel to B.S.4461.
 - + "R" - Round mild steel to B.S.449.
 - +All timber to be sawn cypress G.S grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - +All timber to preservative treated in accordance with KS 02-914:1982.
 - +Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- +Pipe dimensions are in mm.
 - +Cold water device pipes steel, with class B to B.S.1387.
 - +Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - +All underground foul and waste drain pipes shall be upvc to comply.
 - +All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - +The storm water pipe to comply with BS 556.
 - +Minimum slope in the drain to be 1%.
 - +All testing of pipes must be completed before plastering.
- ELECTRICAL**
- +All contents must be laid before plastering.
 - +General conditions of contract for sub contract works.
 - +Government electrical specification number 1.
 - +Government electrical specification number 2.
 - +Electrical act and rules made there under.
 - +The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
 - +Kenya power and lighting Co. Ltd.
- FIRE**
- +Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
 - +Provide underground water tank with automatic electric booster pump for ring main
 - +Provide automatic push button fire alarm system
 - +Provide heat and smoke detectors in each room
 - +Provide 9kg. dry powder fire extinguishers to ME specifications
- | Abbreviations | Meaning |
|---------------|---|
| syp | soil vent pipe |
| mh | man hole |
| ic | inspection chamber |
| rcc | reinforced cement concrete |
| gt | gully trap |
| ss sink | stain-less steel sink |
| whb | wash hand basin |
| wc | water closet |
| shw | shower |
| cc | centre to centre |
| st. eng/S.E. | structural engineer |
| dpc | damp proof course-under all grd. fl. wallings |
| dpm | damp proof membrane |
| gl | ground level |
| pv | permanent ventilation on all windows & doors except on internal toilet doors. |
- | No | REVISIONS | DATE | SIGNATURE |
|----|-----------|------|-----------|
| | | | |
| | | | |
| | | | |
- Project : **PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT**
- Plot L . R. No.:
- Location : **KILIFI COUNTY**
- Client : **STATE DEPARTMENT FOR FISHERIES AQUACULTURE AND THE BLUE ECONOMY**
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|---|--|--|
| TEDDY K.N
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(reg. No.A2067) | F. TUNDUJI
B. Arch. (Hons)
, M. Arch.
(reg. No.A1552) | J. MOMANYI
B. Arch. (Hons)
, M. Arch.
(reg. No.A1122) |
- Date: NOV 2023 Job No . 2023/Nov/KILIFI
- Scale 1:100 DRAWING NO. 05-001- 004 roof plan

Roof slab plan



NOTES

- GENERAL**
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- CONSTRUCTION**
- +Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
 - +All slab at grade to be poured on 1000gauge polytheneom 50mm stone dust blinding on compacted hardcore.
 - +All walls under slab and around external foundation to be treated for termite control.
 - +Window sills must be finished before internal plastering.
- CIVIL WORKS**
- +All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
 - +Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
 - +All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- +This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
 - +Concrete to be class 20/20 (1:2:4).
 - +Steel reinforcement bar to be "Y" = high tensile steel to B.S 4461.
 - + "R" = Round mild steel to B.S 449.
 - +All timber to be sawn cypress G.S grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - +All timber to preservative treated in accordance with KS 02 914:1982.
 - +Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- +Pipe dimensions are in mm.
 - +Cold water device pipes steel, with class B to B.S 1387.
 - +Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - +All underground foul and waste drain pipes shall be upvc to comply.
 - +All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - +The storm water pipe to comply with BS 556.
 - +Minimum slope in the drain to be 1%.
 - +All testing of pipes must be completed before plastering.
- ELECTRICAL**
- +All conduits must be laid before plastering.
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 - +Kenya power and lighting Co. Ltd.
- FIRE**
- +Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
 - +Provide underground water tank with automatic electric booster pump for ring main
 - +Provide automatic push button fire alarm system
 - +Provide heat and smoke detectors in each room
 - +Provide 9kg. dry powder fire extinguishers to ME specifications

Abbreviations	Meaning
svp	soil vent pipe
mh	man hole
ic	inspection chamber
rcc	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
wc	water closet
shw	shower
cc	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all grd. fl. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

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

Scale 1:100 DRAWING NO. 05-001- 005 roof slab

ELEVATIONS

NOTES

GENERAL
+All dimensions are shown in mm unless otherwise specified.
+Drawings are not to be scaled. Only figured dimensions to be used.
+The contractor must check and verify all dimensions on site before commencement of any work.

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

CIVIL WORKS
+All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
+Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
+All levels for sewer and road works must be approved by the engineer before work commences.

STRUCTURAL
+This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
+Concrete to be class 20/20 (1:2:4).
+Steel reinforcement bar to be "Y" - high tensile steel to B.S.4461.
+R" - Round mild steel to B.S.449.
+All timber to be sawn cypress G.S. grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
+All timber to preservative treated in accordance with KS 02-914:1982.
+Depth of the foundation to be determined on site to S.E.'s approval.

MECHANICAL
+Pipe dimensions are in mm.
+Cold water device pipes steel, with class B to B.S.1387.
+Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
+All underground foul and waste drain pipes shall be upvc to comply.
+All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
+The storm water pipe to comply with BS 556.
+Minimum slope in the drain to be 1%.
+All testing of pipes must be completed before plastering.

ELECTRICAL
+All conduits must be laid before plastering.
+General conditions of contract for sub contract works.
+Government electrical specification number 1.
+Government electrical specification number 2.
+Electrical act and rules made there under.
+The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
+Kenya power and lighting Co. Ltd.

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

Abbreviations	Meaning
syp	soil vent pipe
mh	man hole
ic	inspection chamber
rec	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
wc	water closet
shw	shower
cc	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all grd. l. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

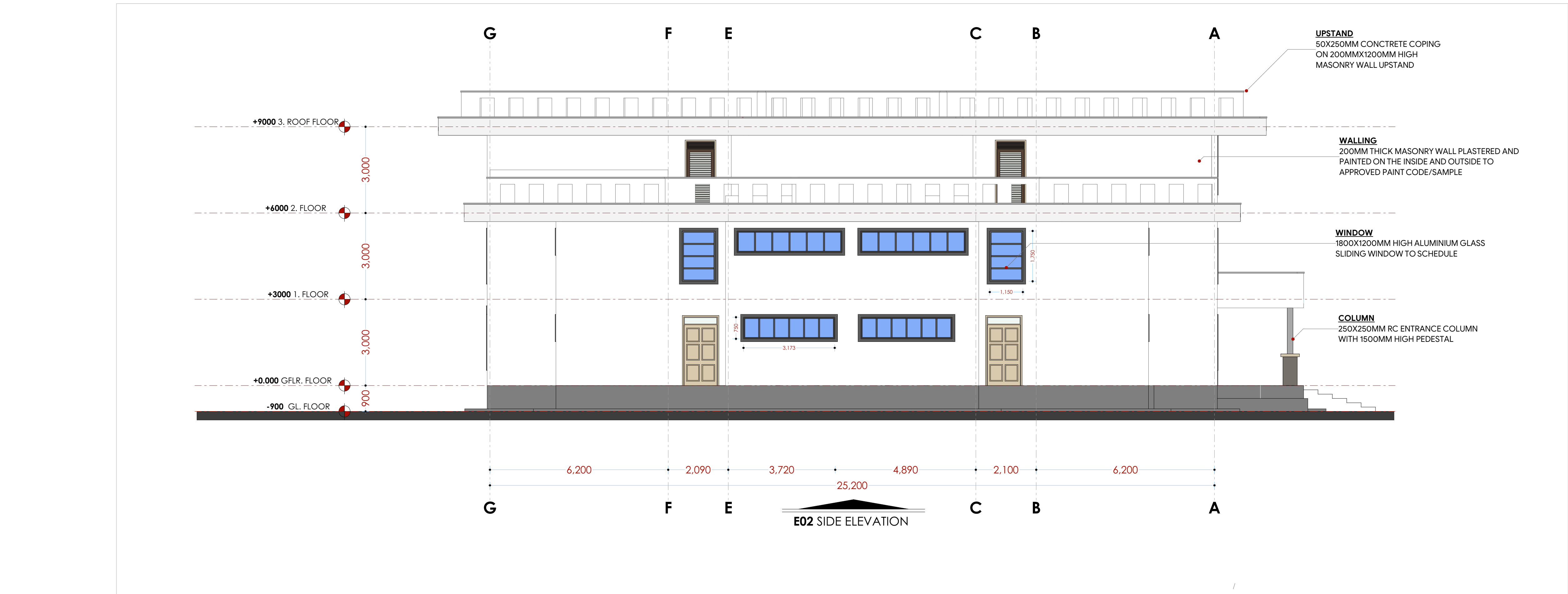
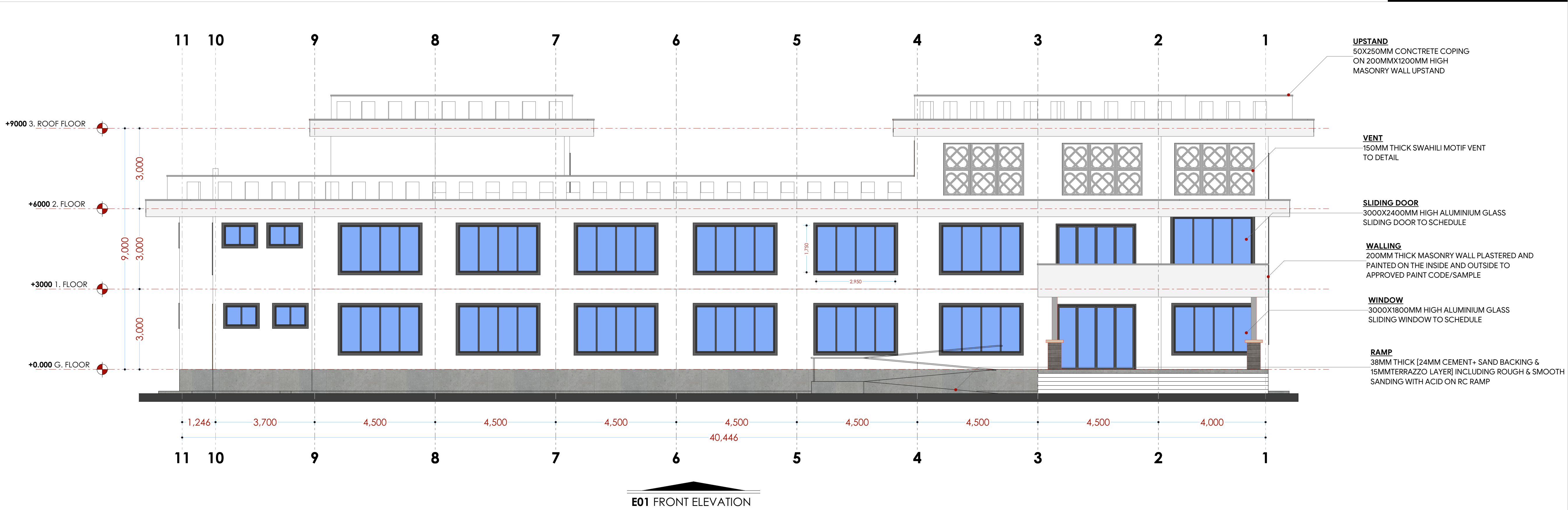
Consultancy :

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

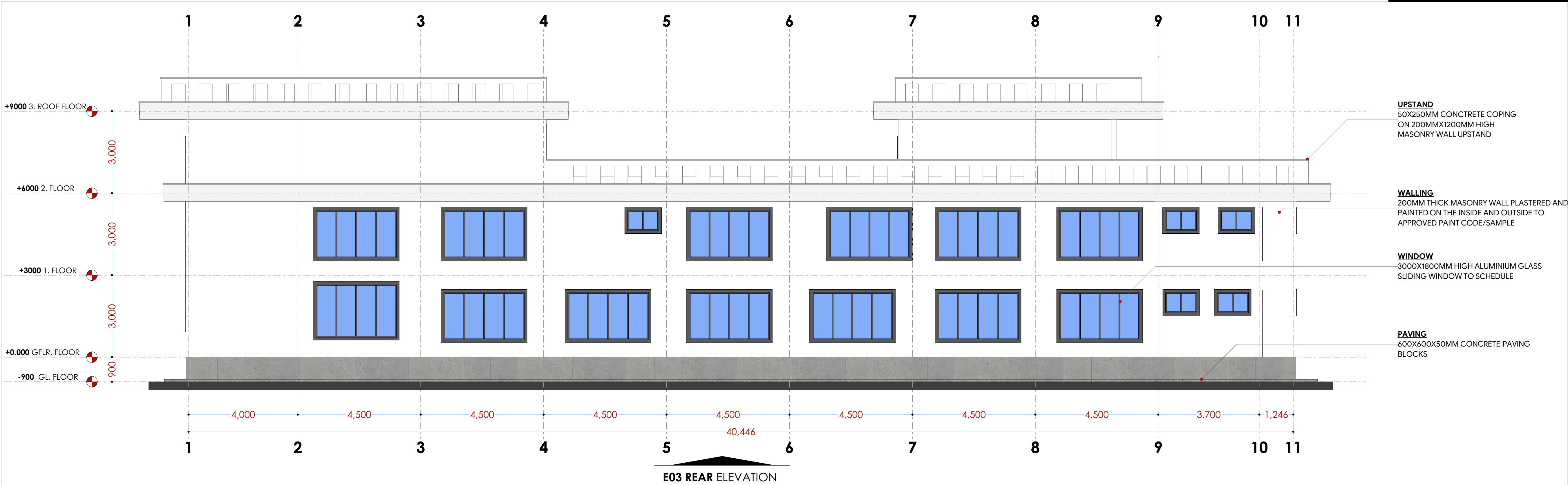
Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by :- F. TUNDUJI B. Arch. (Hons) (reg. No.A1552)	Checked by :- J. MOMANYI B. Arch. (Hons) (reg. No.A1122)
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Date: NOV 2023 Job No. : 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001-006 Elevations



ELEVATIONS



NOTES

- GENERAL**
- +All dimensions are shown in mm unless otherwise specified.
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- CONSTRUCTION**
- + Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
 - + All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
 - + All soils under slab and around external foundation to be treated for termite control.
 - + Window sills must be finished before internal plastering.
- CIVIL WORKS**
- +All soil under slabs and all around external foundations to be treated with anti-termiticide AND should be executed by licensed and duly registered sub contractor.
 - +Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
 - +All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- +This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
 - +Concrete to be class 20/20 (1:2:4).
 - +Steel reinforcement bar to be "Y" = high tensile steel to B.S 4461.
 - + "R" = Round mild steel to B.S 449.
 - +All timber to be sawn cypress G.S grade to KS Q2-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - +All timber to preservative treated in accordance with KS Q2 914:1982.
 - +Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- +Pipe dimensions are in mm.
 - +Cold water device pipes steel, with class B to B.S 1387.
 - +Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - +All underground foul and waste drain pipes shall be upvc to comply.
 - +All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - +The storm water pipe to comply with BS 556.
 - +Minimum slope in the drain to be 1%.
 - +All testing of pipes must be completed before plastering.
- ELECTRICAL**
- +All conduits must be laid before plastering.
 - +General conditions of contract for sub contract works.
 - +Government electrical specification number 1.
 - +Government electrical specification number 2.
 - +Electrical act and rules made there under.
 - +The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
 - +Kenya power and lighting Co. Ltd.
- FIRE**
- + Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
 - + Provide underground water tank with automatic electric booster pump for ring main
 - + Provide automatic push button fire alarm system
 - + Provide heat and smoke detectors in each room
 - + Provide 9kg. dry powder fire extinguishers to ME specifications

Abbreviations	Meaning
svp	soil vent pipe
mh	man hole
ic	inspection chamber
rec	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
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dpc	damp proof course-under all grd. fl. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

Consultancy :

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

Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by :- F. TUNDUJI 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/KILIFI

Scale 1:100 DRAWING NO. 05-001- 007 Elevations

GENERAL
+All dimensions are shown in mm unless otherwise specified.
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CONSTRUCTION
+ Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
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+Government electrical specification number 2.
+Electrical act and rules made there under.
+The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
+Kenya power and lighting Co. Ltd.

FIRE
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Abbreviations	Meaning
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dpc	damp proof course-under all grd. l. wallings
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gl	ground level
pv	permanent ventilation on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

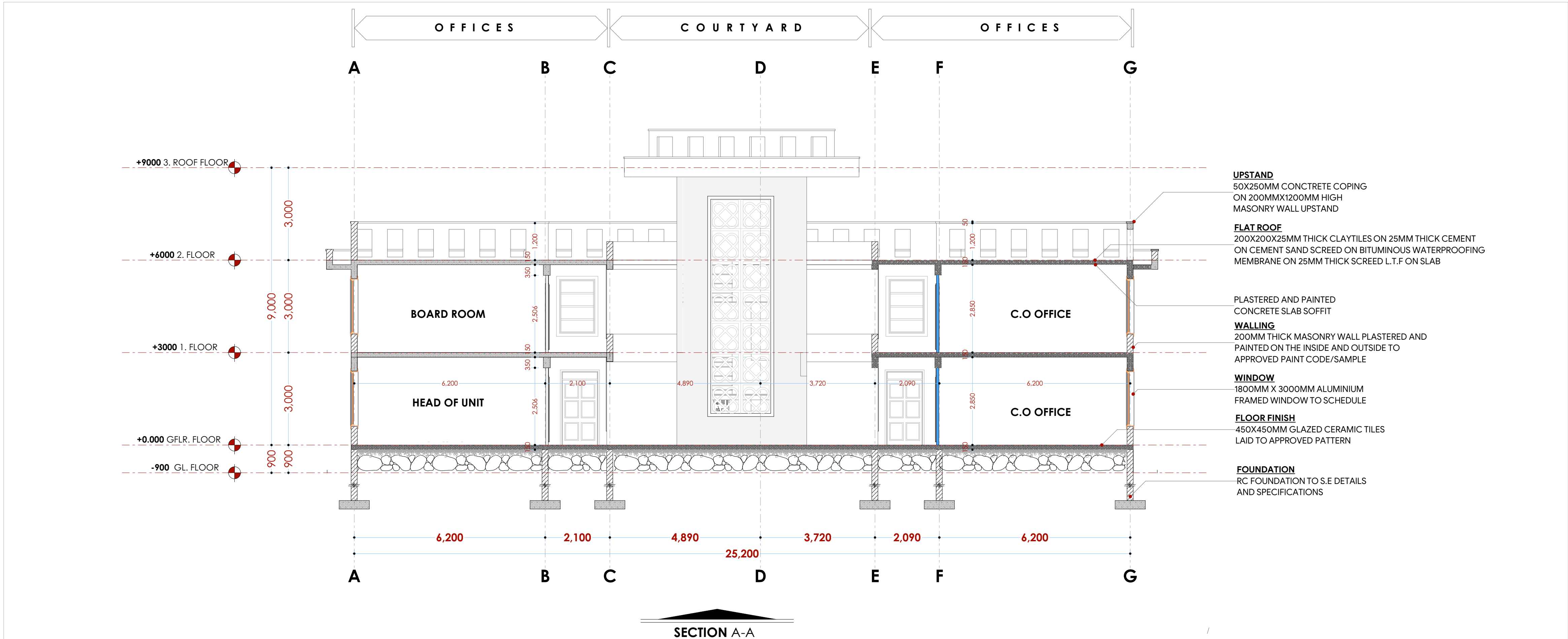
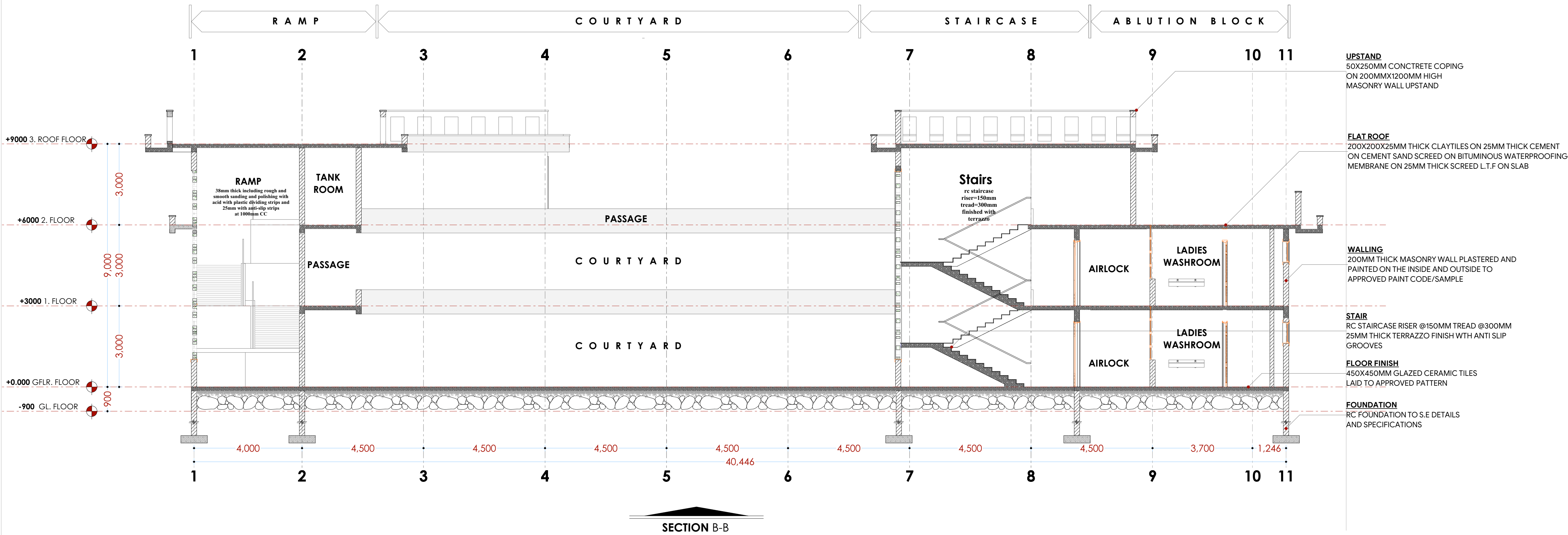
KILIFI FISHERIES OFFICE

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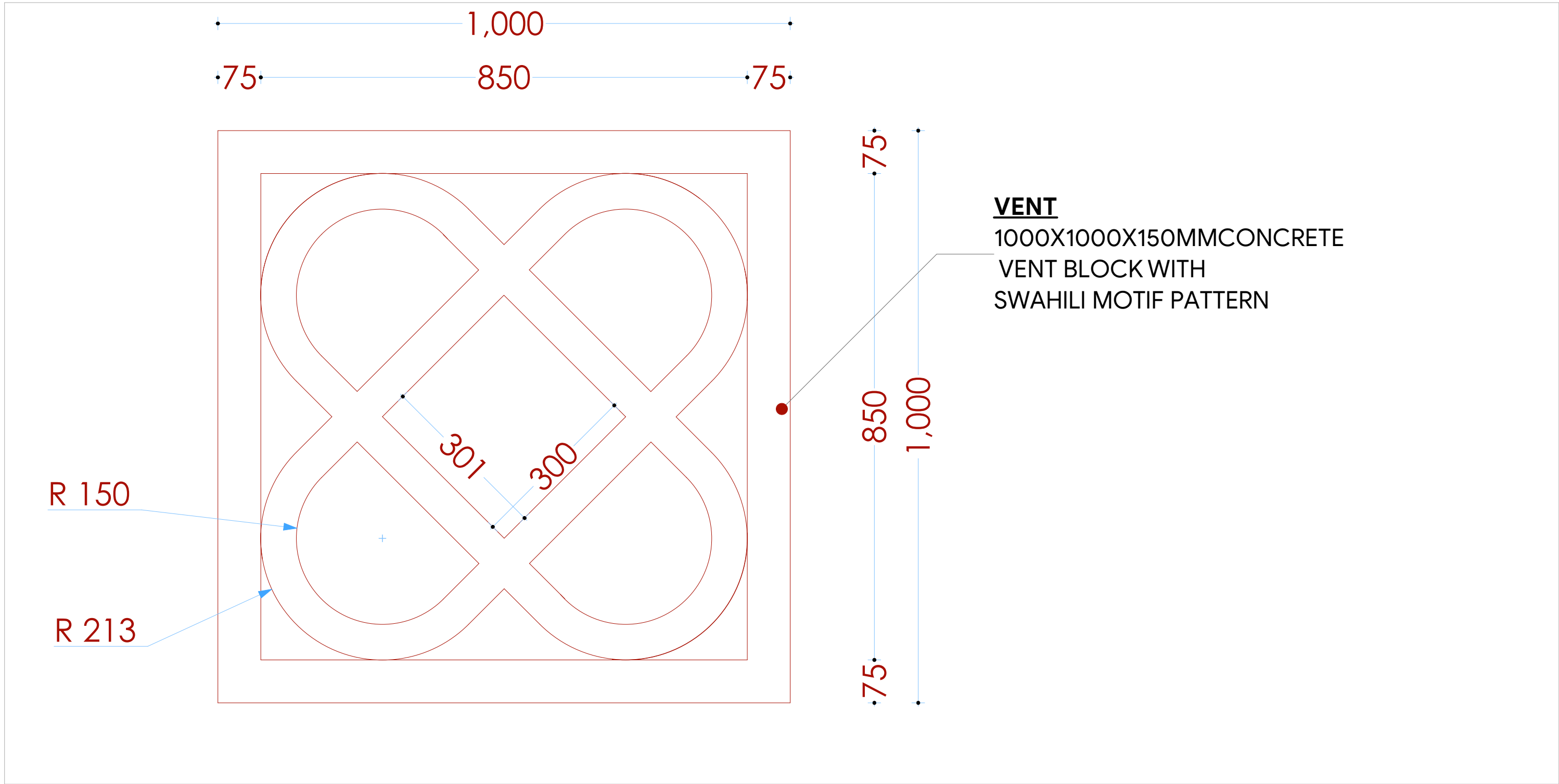
Date: NOV 2023 Job No. : 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001- 008 Sections



WINDOW SCHEDULE			
(Window type W ₀₀₁)	(Window type W ₀₀₂)	(Window type W ₀₀₃)	(Window type W ₀₀₄)
2000X3000MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.	3700X800MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.	1800X1200 MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.	1200X800MM powder coated aluminium framed sliding windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing 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.
28 N O .	4 N O .	2 N O .	9 N O .

CONCRETE VENT BLOCK

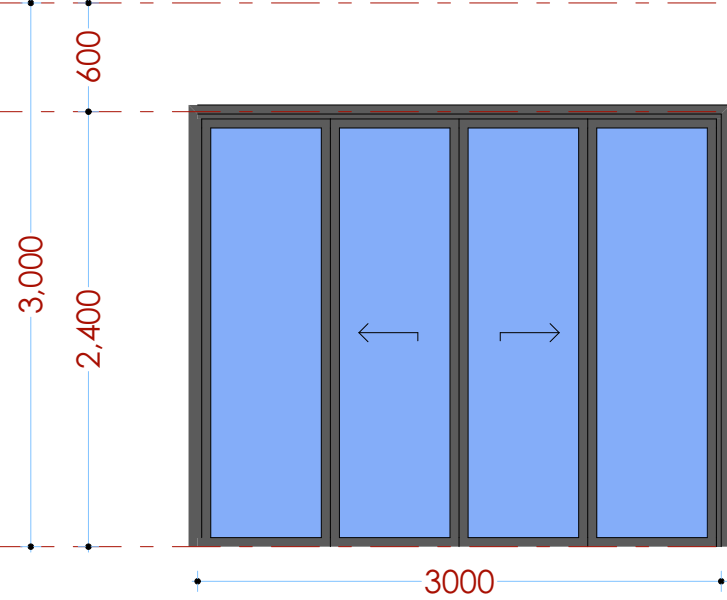
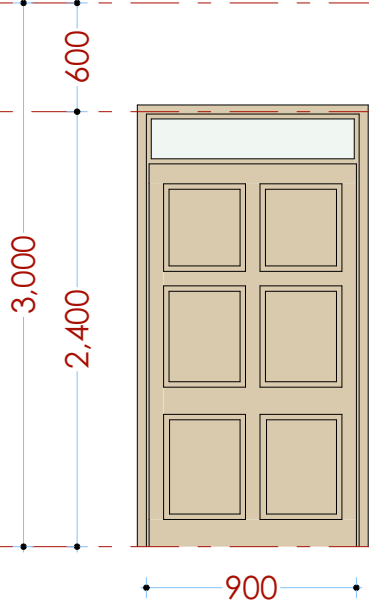
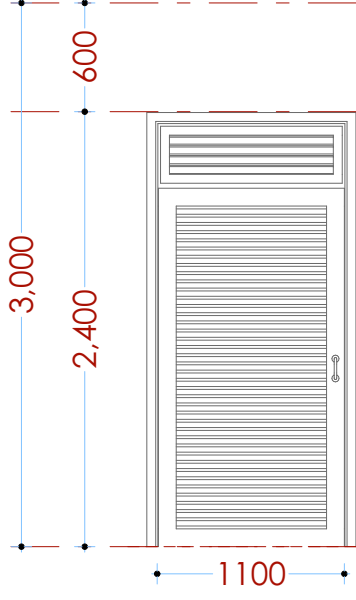


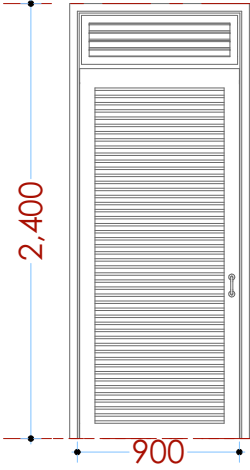
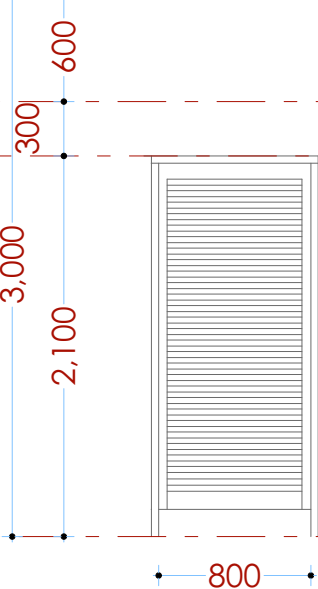
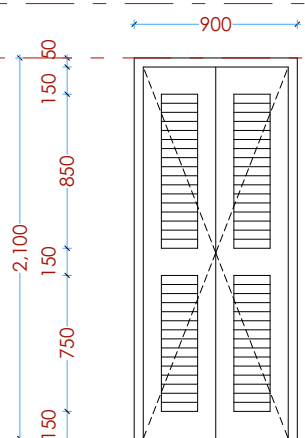
VENT
1000X1000X150MMCONCRETE
VENT BLOCK WITH
SWAHILI MOTIF PATTERN

NOTES

GENERAL +All dimensions are shown in mm unless otherwise specified. +Drawings are not to be scaled. Only figured dimensions to be used. +The contractor must check and verify all dimensions on site before commencement of any work.																																			
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Date:NOV 2023 Job No . 2023/Nov/KILIFI																																			
Scale 1:100 DRAWING NO. 05-001- 009 Schedules																																			

DOOR SCHEDULE

		
(Door type : D₀₀₁)	(Door type : D₀₀₂)	(Door type : D₀₀₃)
2400X3000MM powder coated aluminium framed sliding door complete with ironmongery , mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.	2400x900mm Hardwood mvule panel door iron mongery to BoQ specifications	2400x900mm Hardwood mvule double acting louvred door iron mongery to BoQ specifications
MAIN ENTRANCE DOOR 2 N O .	OFFICES, BOARD ROOM 3 6 N O .	GENTS & LADIES A.B PLWD 1 2 N O .

		
(Door type : D₀₀₄)	(Door type: D₀₀₅)	(Door type: D₀₀₆)
2400x900mm Hardwood mvule single acting louvred door iron mongery to BoQ specifications	2100x900mm Hardwood mvule single acting louvred door iron mongery to BoQ specifications	2100x900mm Hardwood mvule double leaf swing duct door iron mongery to BoQ specifications
STORAGE TANK ROOM 1 2 N O .	GENTS & LADIES A.B CUBICLES 8 N O .	DUCTS 6 N O .

NOTES

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No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

Consultancy :

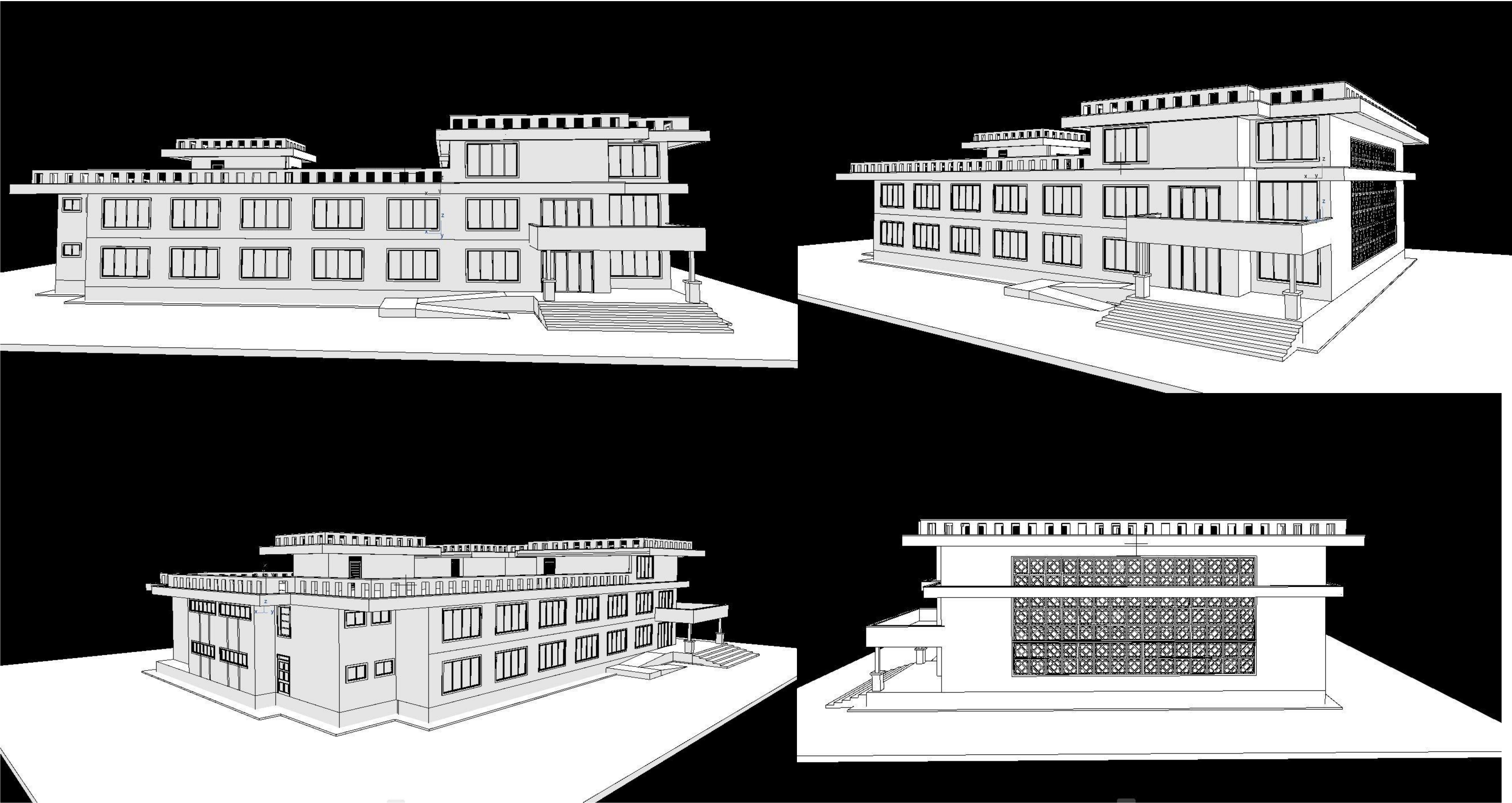
ARPRIM CONSULTANTS
P.O BOX 12969-0040 NAIROBI
TEL: 020-884312/8
Website :www.arprimconsultants.com

Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by :- F. TUNDUJI 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/KILIFI

Scale 1:100 DRAWING NO. 05-001- 010 schedules

ARCHITECTURAL VISUALS



NOTES

GENERAL
+All dimensions are shown in mm unless otherwise specified.
+Drawings are not to be scaled. Only figured dimensions to be used.
+The contractor must check and verify all dimensions on site before commencement of any work.

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

CIVIL WORKS
+All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
+Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
+All levels for sewer and road works must be approved by the engineer before work commences.

STRUCTURAL
+This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
+Concrete to be class 20/20 (1:2:4).
+Steel reinforcement bar to be "Y" = high tensile steel to B.S.4461.
+ "R" = Round mild steel to B.S.449.
+All timber to be sawn cypress G.S grade to KS Q2-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
+All timber to preservative treated in accordance with KS Q2-914:1982.
+Depth of the foundation to be determined on site to S.E's approval.

MECHANICAL
+Pipe dimensions are in mm.
+Cold water device pipes steel, with class B to B.S.1387.
+Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
+All underground foul and waste drain pipes shall be upvc to comply.
+All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
+The storm water pipe to comply with BS 556.
+Minimum slope in the drain to be 1%.
+All testing of pipes must be completed before plastering.

ELECTRICAL
+All contents must be laid before plastering.
+General conditions of contract for sub contract works.
+Government electrical specification number 1.
+Government electrical specification number 2.
+Electrical act and rules made there under.
+The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
+Kenya power and lighting Co. Ltd.

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

Abbreviations	Meaning
syp	soil vent pipe
mh	man hole
ic	inspection chamber
rec	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
wc	water closet
shw	shower
ce	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all grd. fl. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

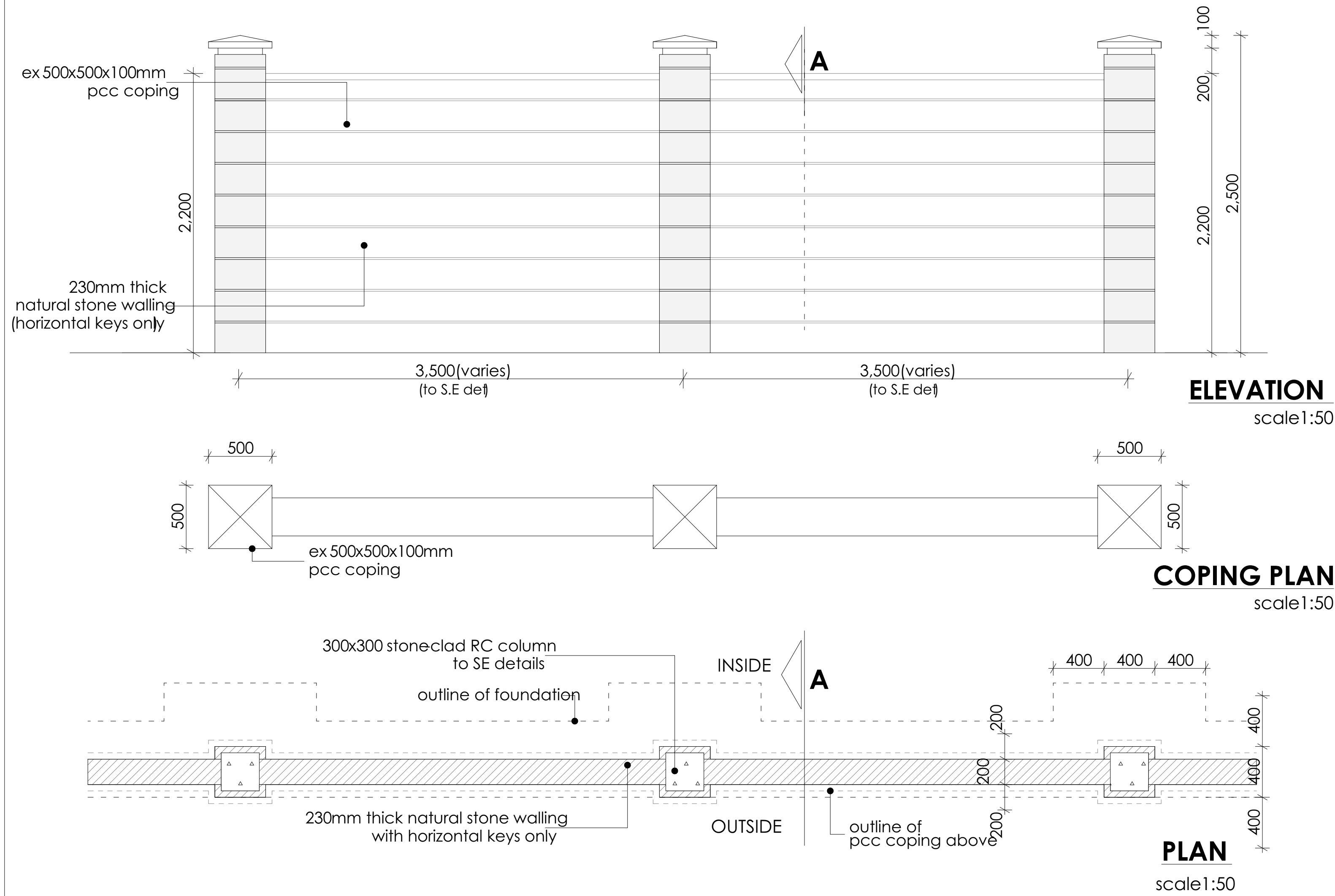
Consultancy :
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Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by :- F. TUNDUJI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by :- J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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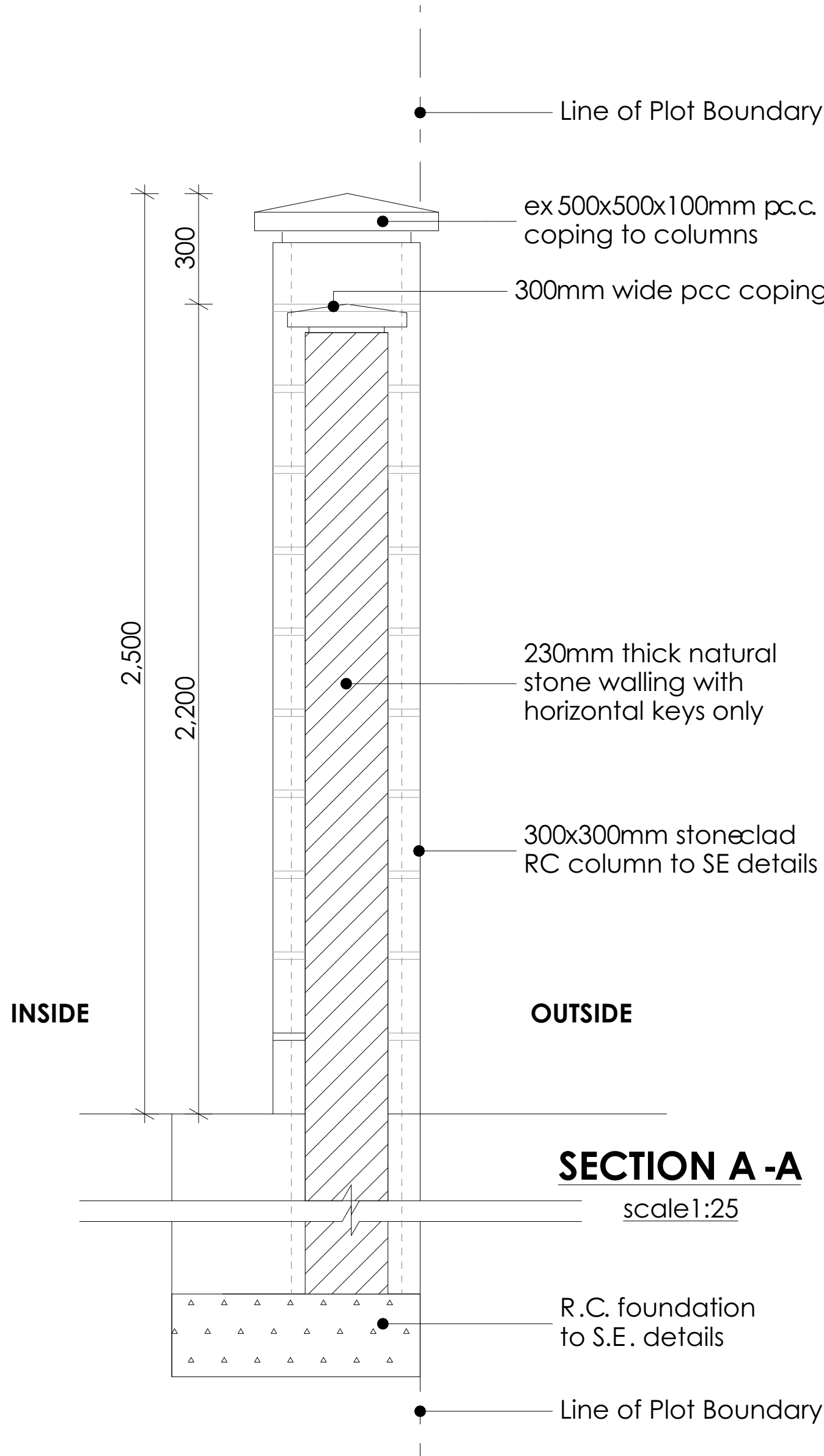
Date:NOV 2023 Job No . 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001- 011 VISUALS

BOUNDARY WALL



EXTERNAL BOUNDARY WALL



NOTES

- GENERAL**
- +All dimensions are shown in mm unless otherwise specified.
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 - +The contractor must check and verify all dimensions on site before commencement of any work.
- CONSTRUCTION**
- +Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
 - +All slab at grade to be poured on 1000gauge polytheneon 50mm stone dust blinding on compacted hardcore.
 - +All soils under slab and around external foundation to be treated for termite control.
 - +Window sills must be finished before internal plastering.
- CIVIL WORKS**
- +All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub contractor.
 - +Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
 - +All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- +This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
 - +Concrete to be class 20/20 (1:2:4).
 - +Steel reinforcement bar to be "Y" = high tensile steel to B.S 4461.
 - + "R" = Round mild steel to B.S 449.
 - +All timber to be sawn cypress G.S grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - +All timber to preservative treated in accordance with KS 02-914:1982.
 - +Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- +Pipe dimensions are in mm.
 - +Cold water device pipes steel, with class B to B.S 1387.
 - +Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - +All underground foul and waste drain pipes shall be upvc to comply.
 - +All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - +The storm water pipe to comply with BS 556.
 - +Minimum slope in the drain to be 1%.
 - +All testing of pipes must be completed before plastering.
- ELECTRICAL**
- +All conduits must be laid before plastering.
 - +General conditions of contract for sub contract works.
 - +Government electrical specification number 1.
 - +Government electrical specification number 2.
 - +Electrical act and rules made there under.
 - +The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
 - +Kenya power and lighting Co. Ltd.
- FIRE**
- +Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
 - +Provide underground water tank with automatic electric booster pump for ring main
 - +Provide automatic push button fire alarm system
 - +Provide heat and smoke detectors in each room
 - +Provide 9kg. dry powder fire extinguishers to ME specifications
- | Abbreviations | Meaning |
|---------------|---|
| syp | soil vent pipe |
| mh | man hole |
| ic | inspection chamber |
| rec | reinforced cement concrete |
| gt | gully trap |
| ss sink | stain-less steel sink |
| whb | wash hand basin |
| wc | water closet |
| shw | shower |
| cc | centre to centre |
| st. eng/S.E. | structural engineer |
| dpc | damp proof course-under all g.d. ll. wallings |
| dpm | damp proof membrane |
| gl | ground level |
| pv | permanent ventilation-on all windows & doors except on internal toilet doors. |
- | No | REVISIONS | DATE | SIGNATURE |
|----|-----------|------|-----------|
| | | | |
| | | | |
| | | | |
- Project : **PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT**
- Plot L . R. No.:
- Location : **KILIFI COUNTY**
- Client : **STATE DEPARTMENT FOR FISHERIES AQUACULTURE AND THE BLUE ECONOMY**

Signature

Subject : **KILIFI FISHERIES OFFICE**

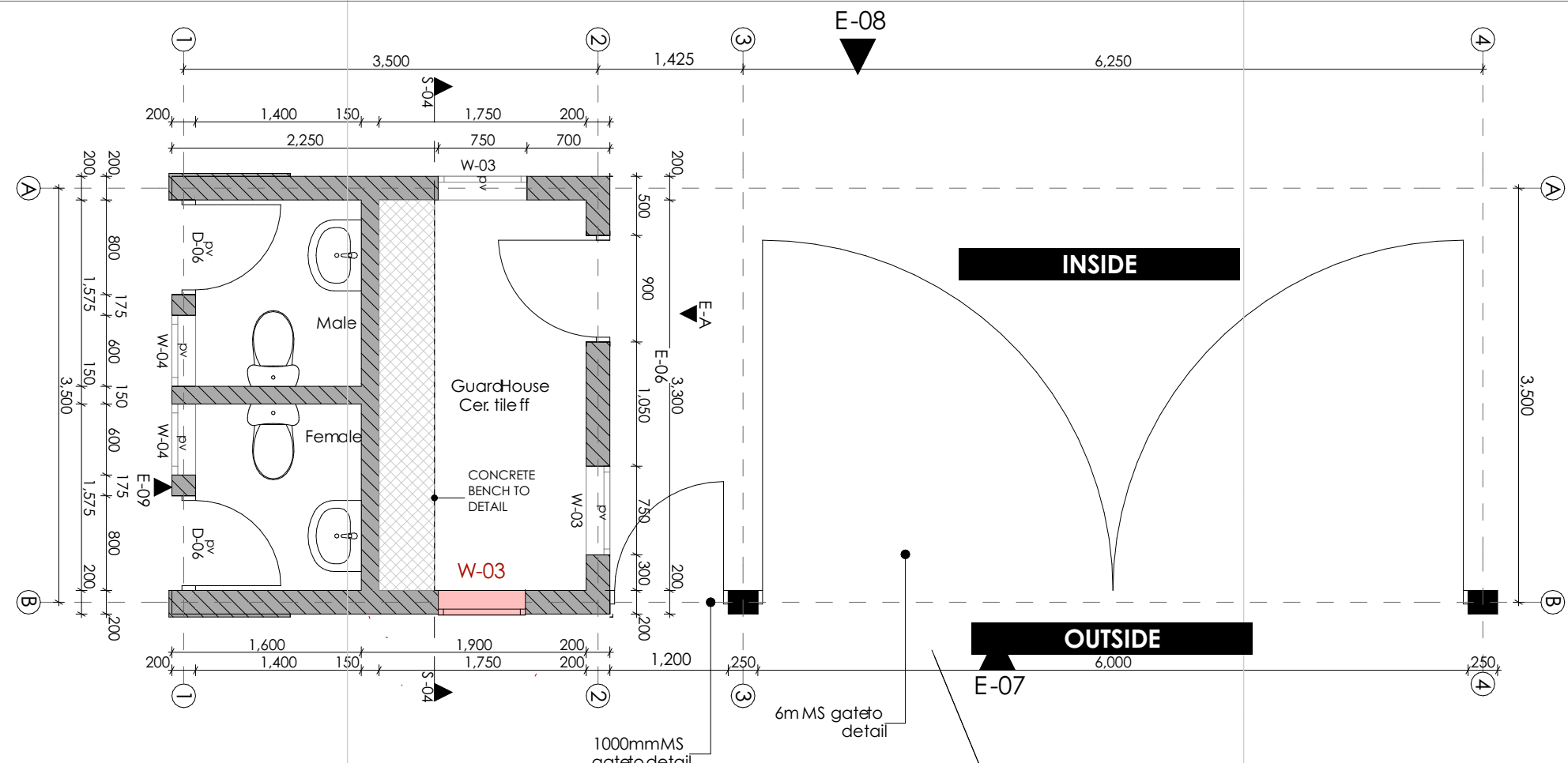
Consultancy :

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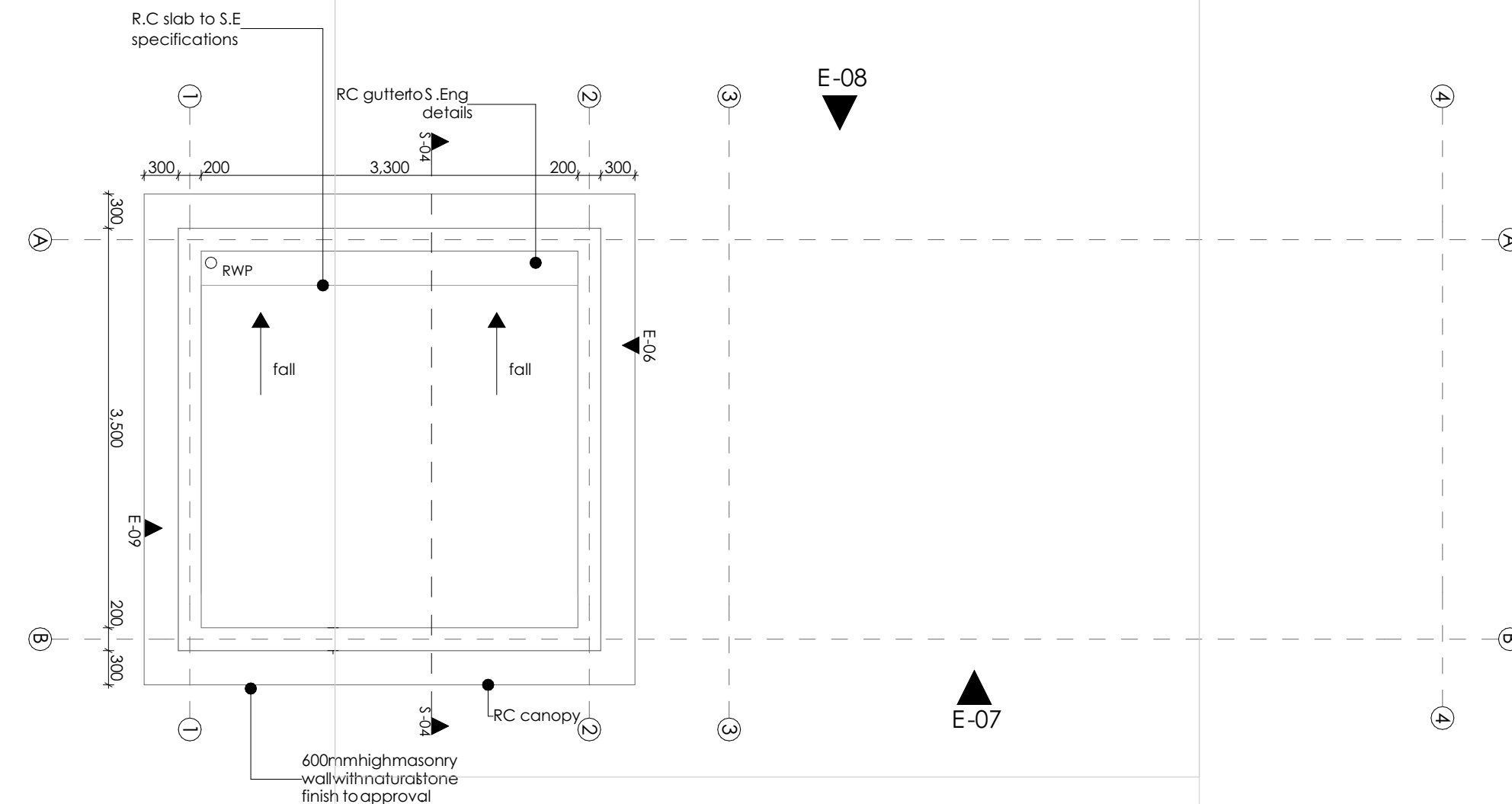
Drawn by:	Checked by :-	Checked by :-
TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	F. TUNDUJI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)

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

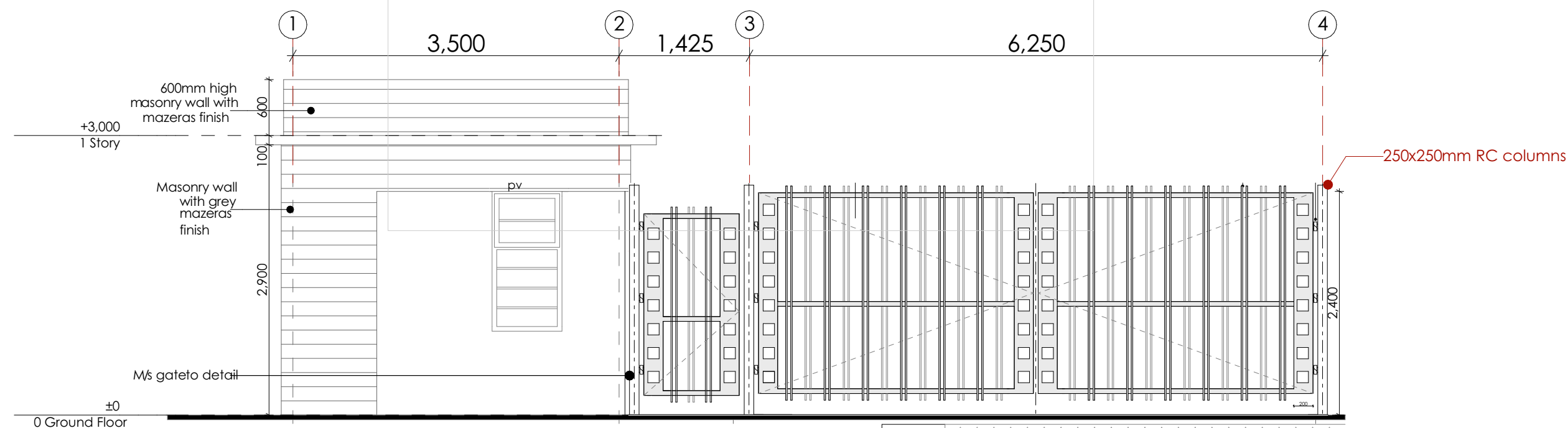
Scale 1:100 DRAWING NO. 05-001- 012



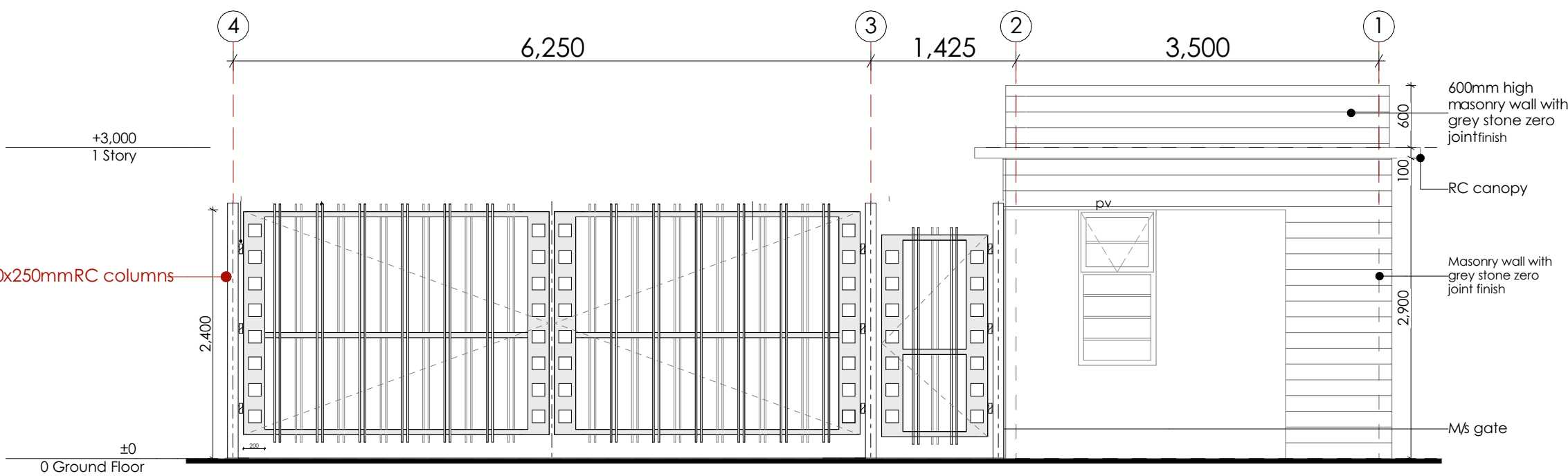
GUARD HOUSE A - PLAN 1:50



GUARD HOUSE A - ROOF PLAN 1:50

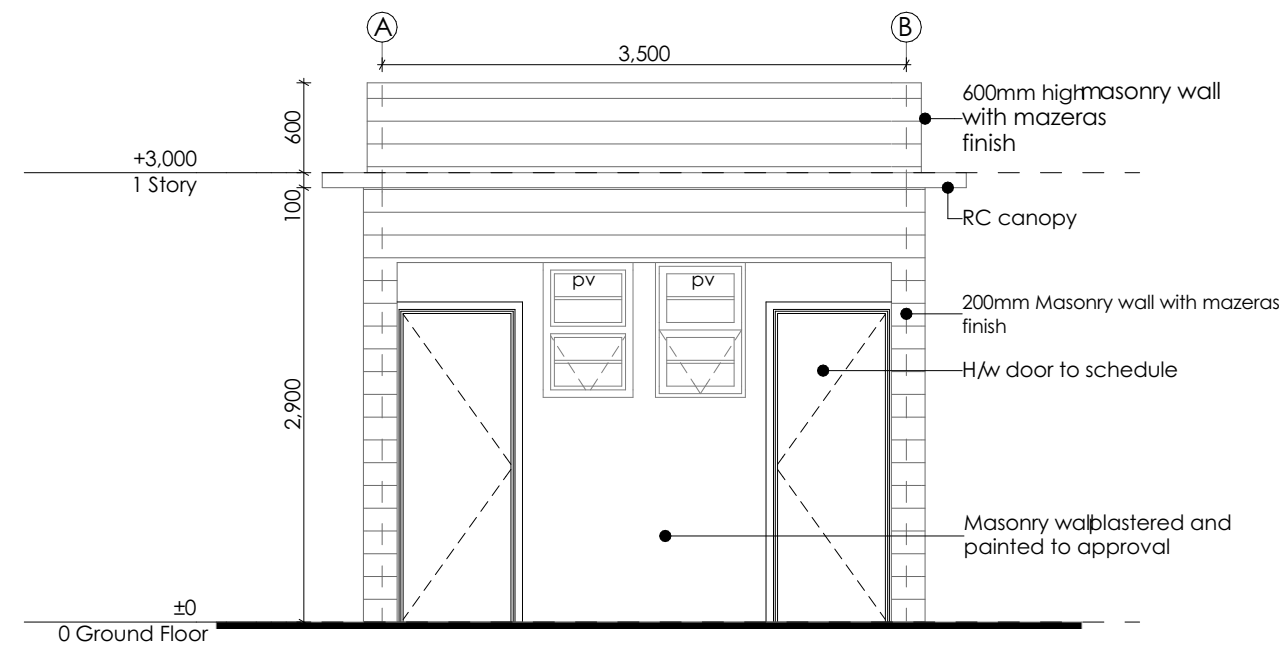


GUARD HOUSE A - FRONT ELEVATION 07 1:50

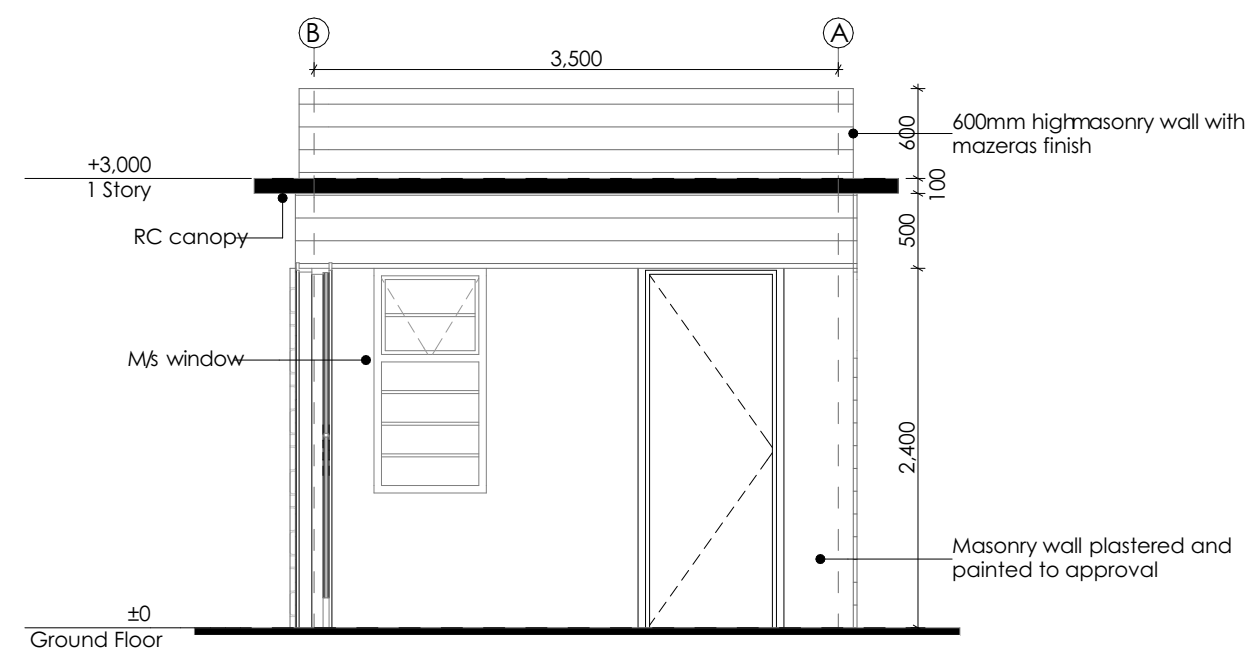


GUARD HOUSE A - REAR ELEVATION 08 1:50

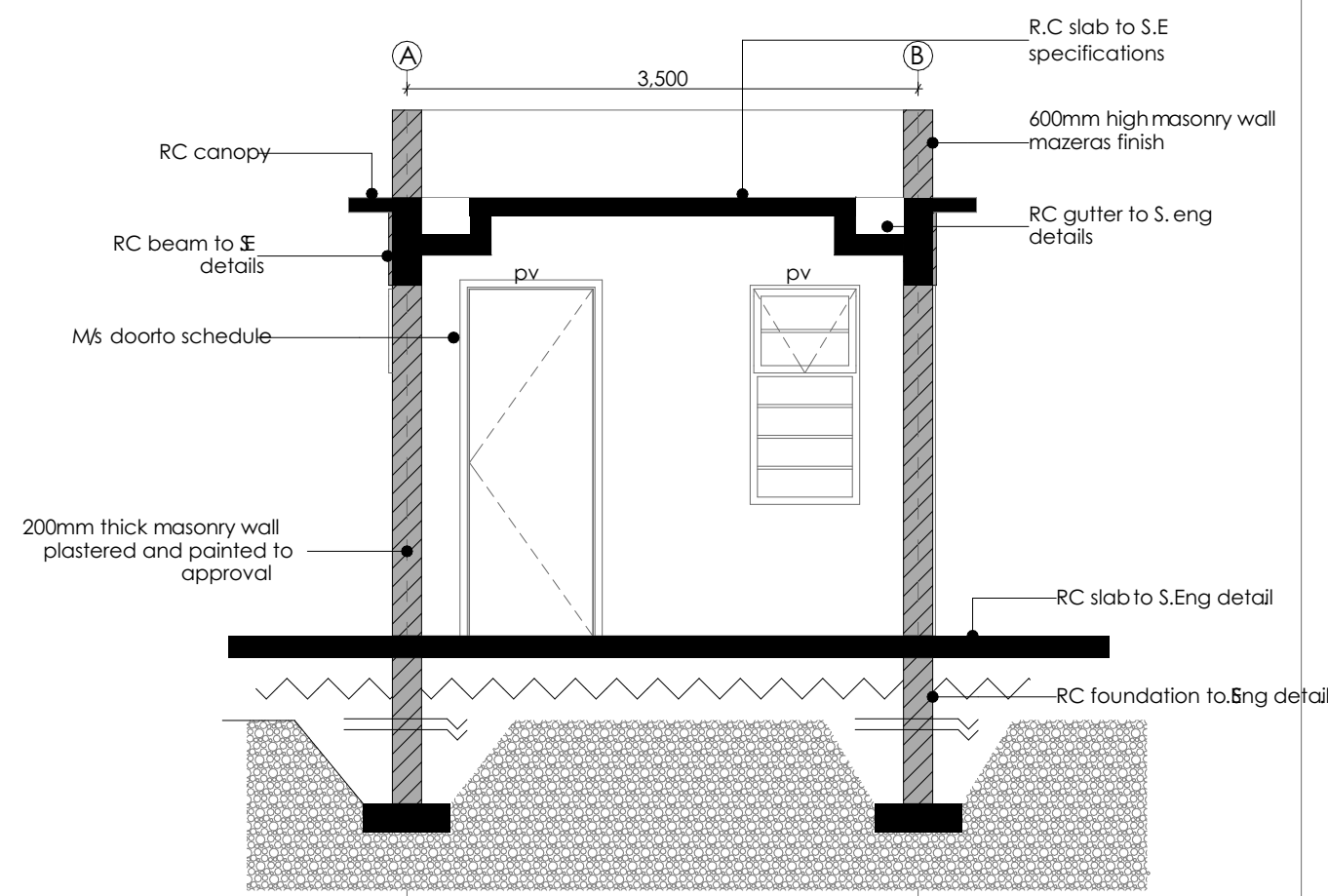
GUARD HOUSE



GUARD HOUSE A - SIDE ELEVATION 09 1:50



GUARD HOUSE A - SIDE ELEVATION 06 1:50



GUARD HOUSE A - SECTION 04 1:50

NOTES

GENERAL
+ All dimensions are shown in mm unless otherwise specified.
+ Drawings are not to be scaled. Only figured dimensions to be used.
+ The contractor must check and verify all dimensions on site before commencement of any work.

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

CIVIL WORKS
+ All soil under slabs and all around external foundations to be treated with anti-termite pesticide AND should be executed by licensed and duly registered sub-contractor.
+ Sample for pipe works and other materials for road works specified to be presented to the engineer before works commence.
+ All levels for sewer and road works must be approved by the engineer before work commences.

STRUCTURAL
+ This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
+ Concrete to be class 20/20 (1:2:4).
+ Steel reinforcement bar to be "Y" - high tensile steel to BS 4461.
+ "R" - Round mild steel to BS 449.
+ All timber to be sawn cypress G.S. grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
+ All timber to preservative treated in accordance with KS 02-914:1982.
+ Depth of the foundation to be determined on site to S.E.'s approval.

MECHANICAL
+ Pipe dimensions are in mm.
+ Cold water device pipes steel, with class B to BS 1387.
+ Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
+ All underground foul and waste drain pipes shall be upvc to comply.
+ All inspection chambers covers and framing shall be cast iron to comply with BS 497 TABLE 2 GRADE A.
+ The storm water pipe to comply with BS 556.
+ Minimum slope in the drain to be 1%.
+ All testing of pipes must be completed before plastering.

ELECTRICAL
+ All conduits must be laid before plastering.
+ General conditions of contract for sub contract works.
+ Government electrical specification number 1.
+ Government electrical specification number 2.
+ Electrical act and rules made there under.
+ The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
+ Kenya power and lighting Co. Ltd.

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

Abbreviations	Meaning
syp	soil vent pipe
mh	man hole
ic	inspection chamber
rec	reinforced cement concrete
gt	gully trap
ss sink	stain-less steel sink
whb	wash hand basin
wc	water closet
shw	shower
cc	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all gnd. fl. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:
Location : **KILIFI COUNTY**

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

Signature
Subject :

KILIFI FISHERIES OFFICE

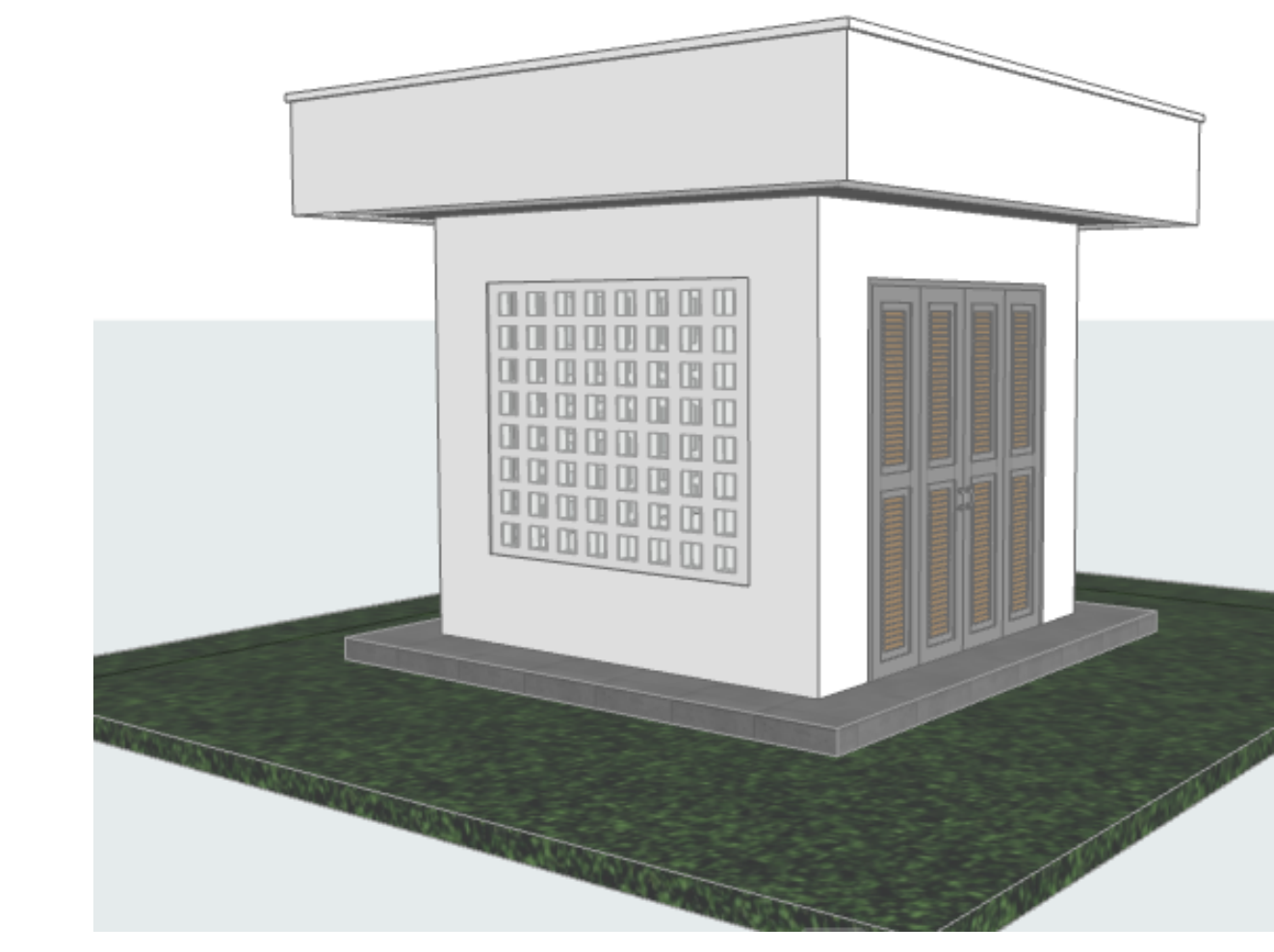
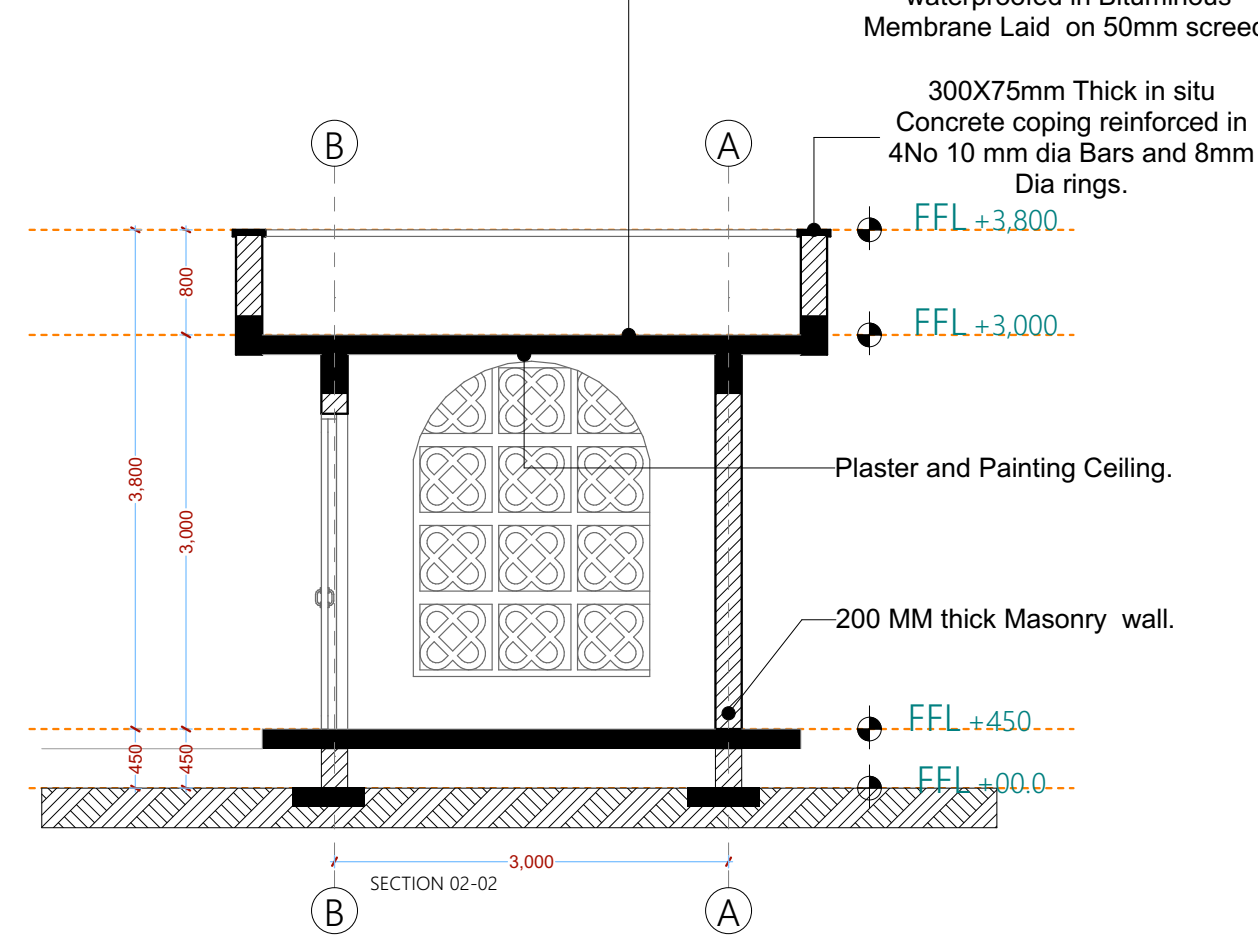
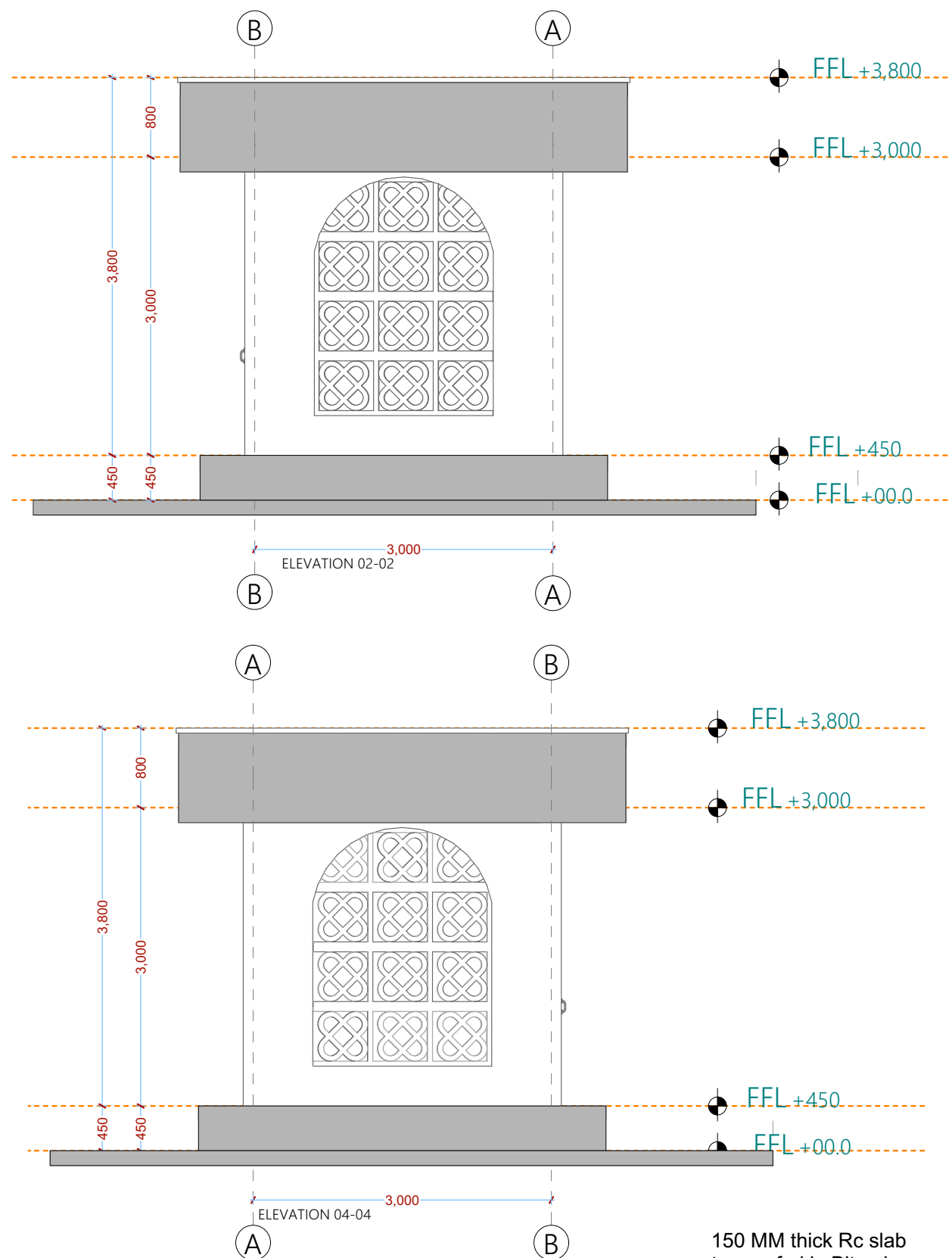
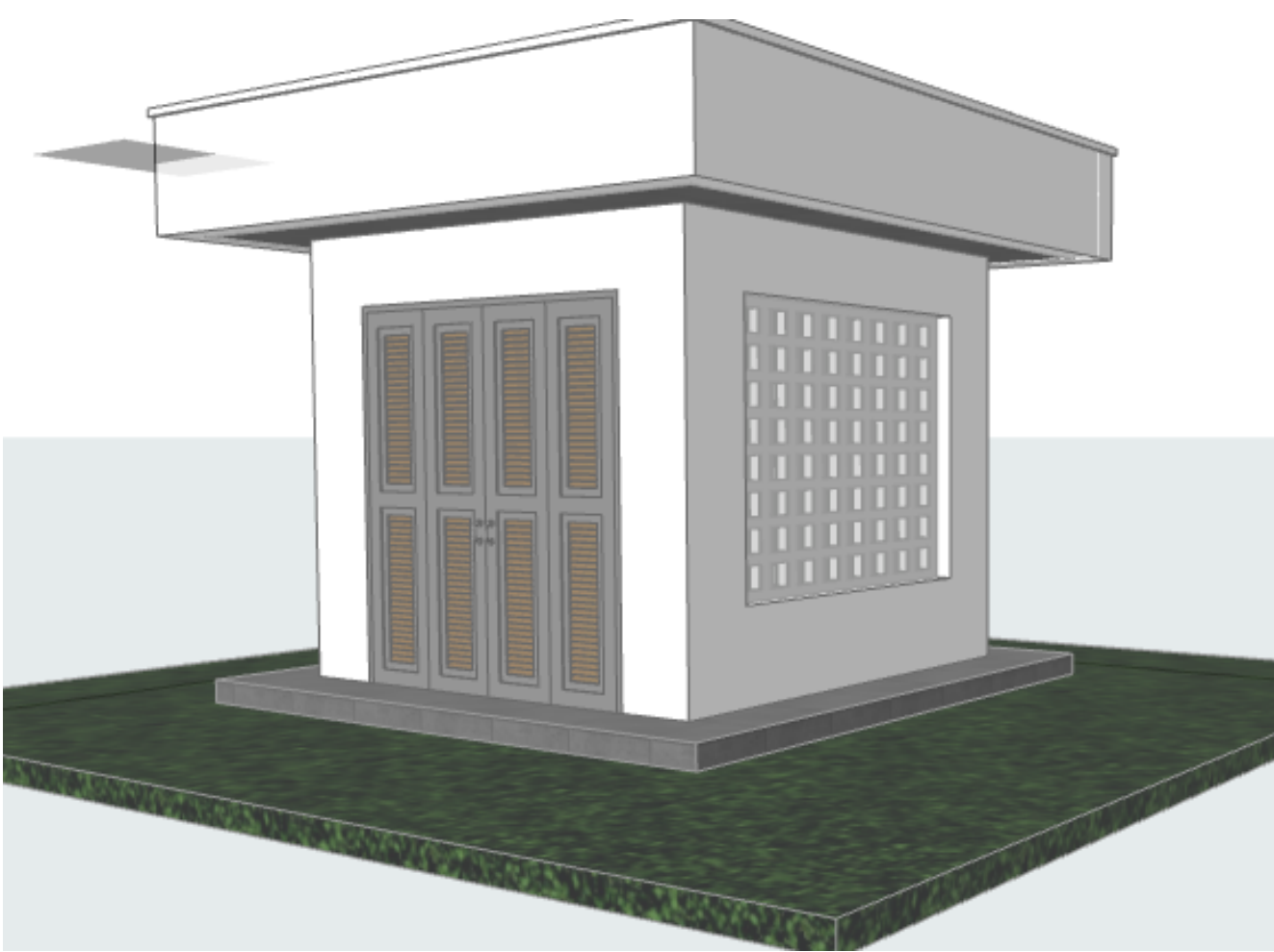
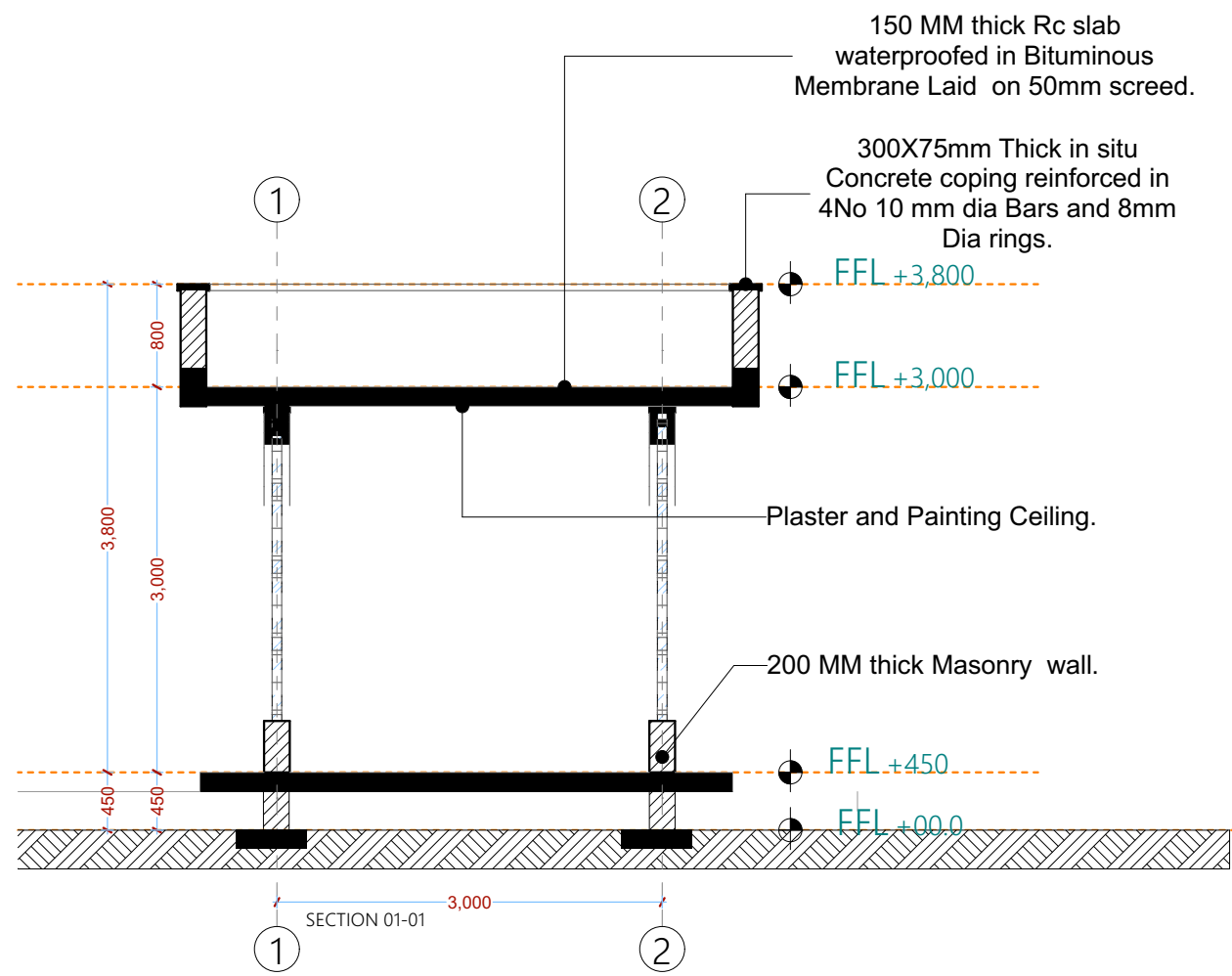
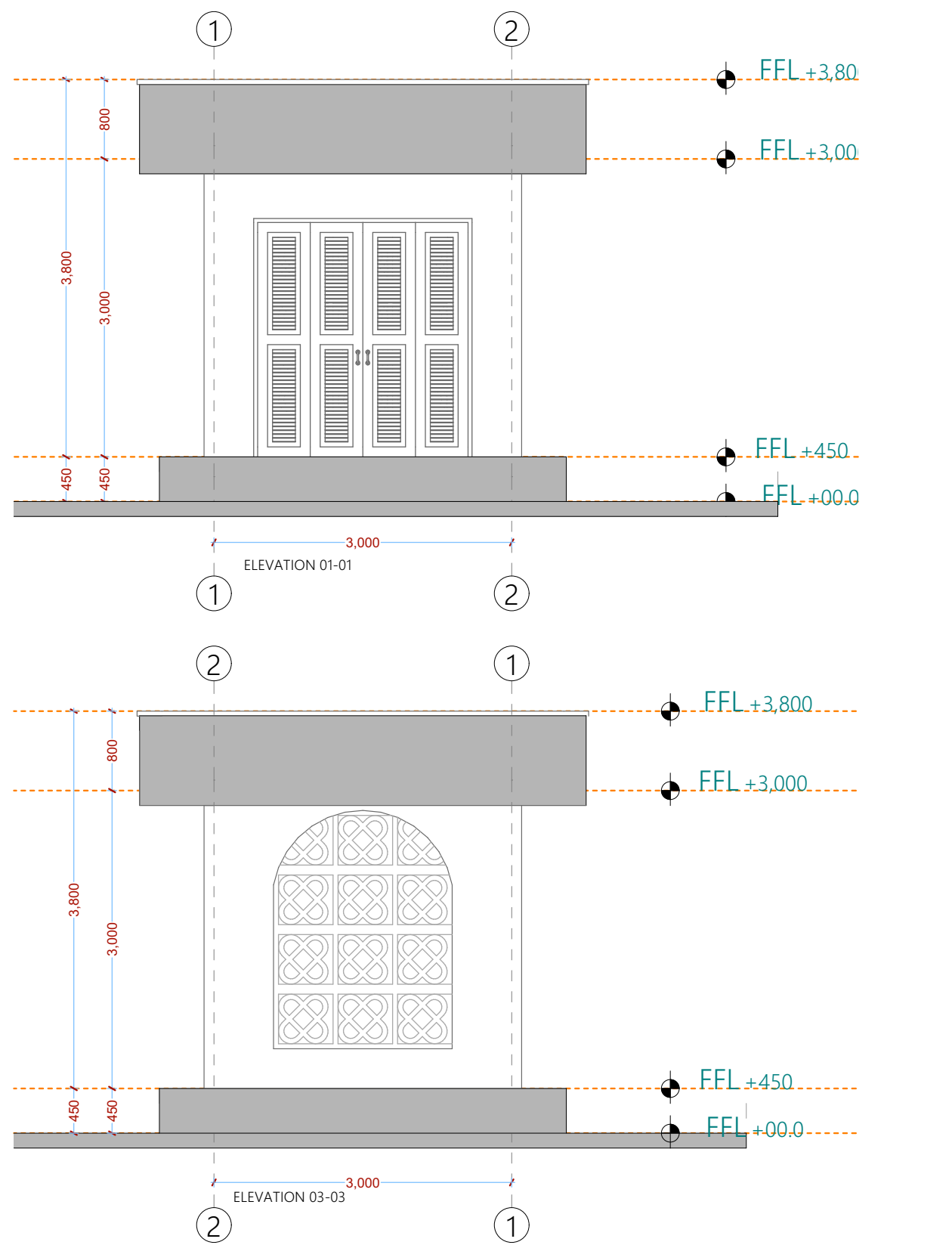
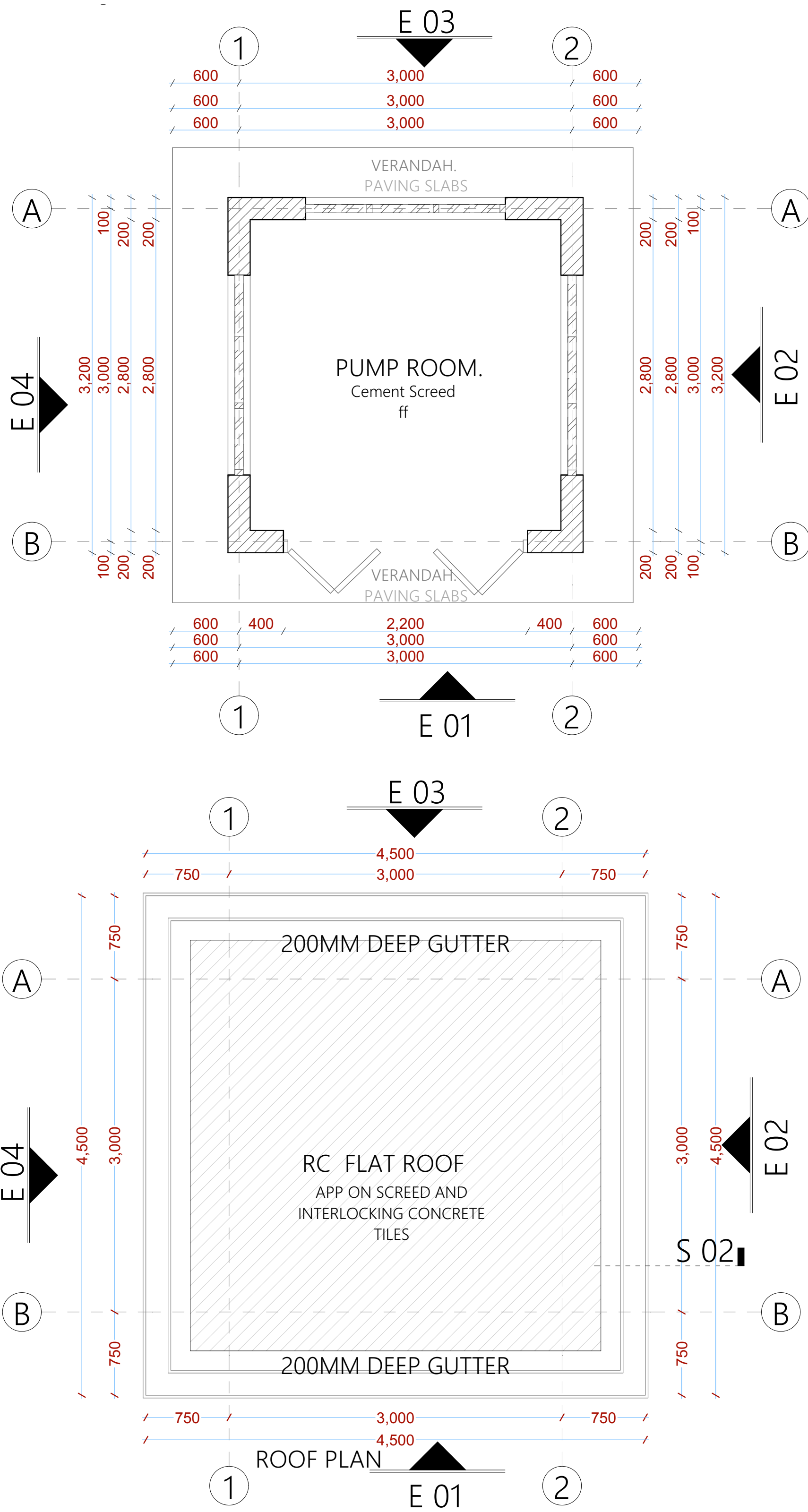
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Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by:- F. TUNDUJI B. Arch. (Hons) (reg. No.A1552)	Checked by:- J. MOMANYI B. Arch. (Hons) (reg. No.A1122)
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Date: NOV 2023 Job No. : 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001- 013

PUMP HOUSE



NOTES

- GENERAL**
- +All dimensions are shown in mm unless otherwise specified.
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- CONSTRUCTION**
- +Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
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 - +All soils under slab and around external foundation to be treated for termite control.
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- CIVIL WORKS**
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 - +Sample for pipe works and other materials for road works specified to be presented to the engineer before works commences.
 - +All levels for sewer and road works must be approved by the engineer before work commences.
- STRUCTURAL**
- +This drawing must be read in conjunction with related architectural drawing, engineers and any other relevant drawings.
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 - +Steel reinforcement bar to be "Y" - high tensile steel to BS 4461.
 - +Re - Round mild steel to BS 449.
 - +All timber to be sawn cypress G.S grade to KS 02-771:1989 and seasoned to equilibrium moisture content between 9% and 15%.
 - +All timber to preservative treated in accordance with KS 02-914:1982.
 - +Depth of the foundation to be determined on site to S.E's approval.
- MECHANICAL**
- +Pipe dimensions are in mm.
 - +Cold water device pipes steel, with class B to BS 1387.
 - +Draining pipe above ground shall upvc grey while those below ground shall be upvc golden brown.
 - +All underground foul and waste drain pipes shall be upvc to comply.
 - +All inspection chambers covers and framing shall be cast iron to comply with BS497 TABLE 2 GRADE A.
 - +The storm water pipe to comply with BS 556.
 - +Minimum slope in the drain to be 1%.
 - +All testing of pipes must be completed before plastering.
- ELECTRICAL**
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 - +The current edition of regulation for the electrical equipment of buildings issued by the institution of electrical engineers.
 - +Kenya power and lighting Co. Ltd.
- FIRE**
- +Install water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
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 - +Provide automatic push button fire alarm system
 - +Provide heat and smoke detectors in each room
 - +Provide 9kg. dry powder fire extinguishers to ME specifications

Abbreviations	Meaning
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wc	water closet
shw	shower
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dpc	damp proof course-under all g.d. ll. wallings
dpm	damp proof membrane
gl	ground level
pv	permanent ventilation-on all windows & doors except on internal toilet doors.

No	REVISIONS	DATE	SIGNATURE

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

Plot L . R. No.:

Location : **KILIFI COUNTY**

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

Signature

Subject :

KILIFI FISHERIES OFFICE

Consultancy :

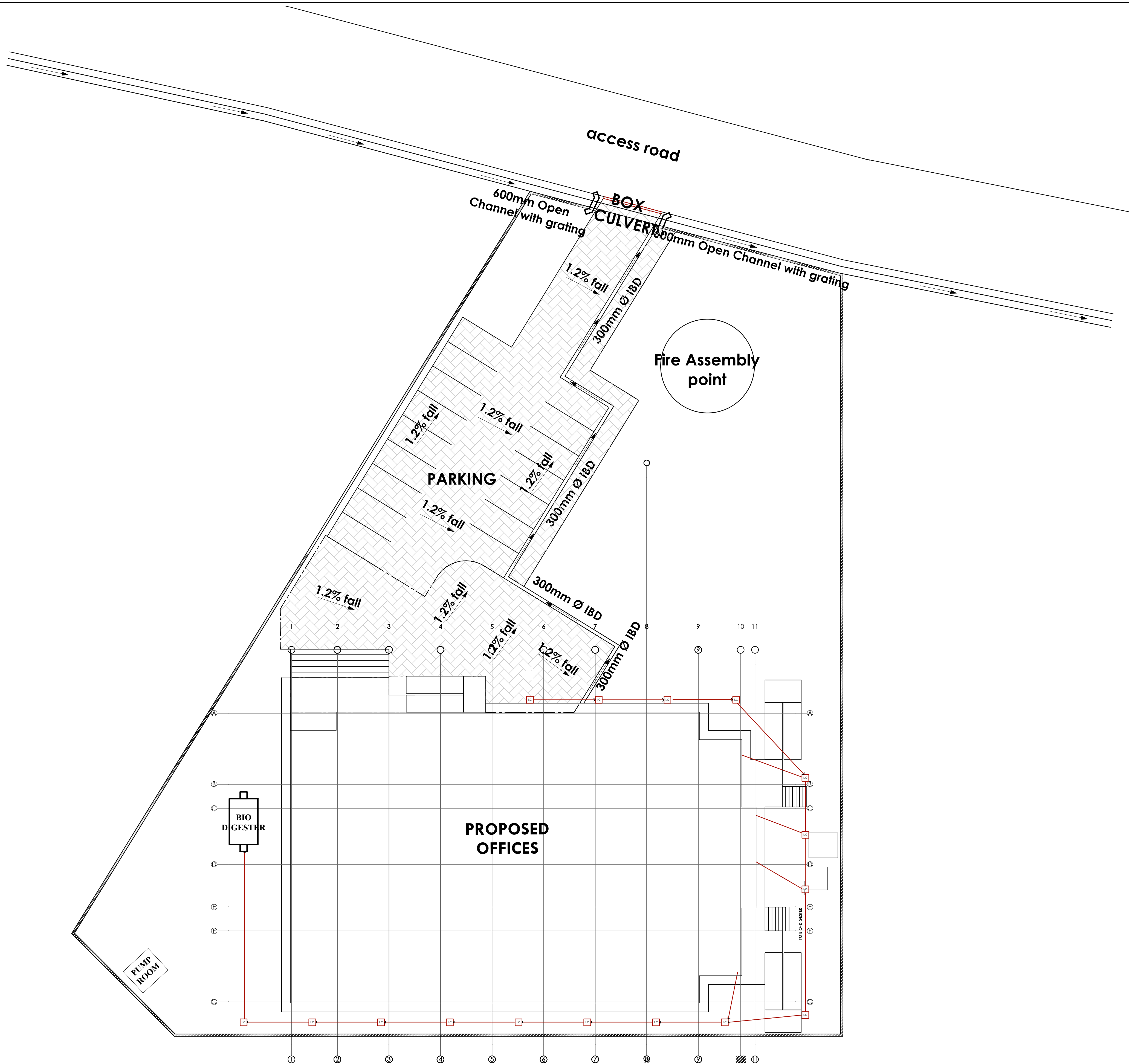
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Drawn by: TEDDY K.N B. Arch. (Hons) (reg. No.A2067)	Checked by:- F. TUNDUJI B. Arch. (Hons) , M. Arch. (reg. No.A1552)	Checked by:- J. MOMANYI B. Arch. (Hons) , M. Arch. (reg. No.A1122)
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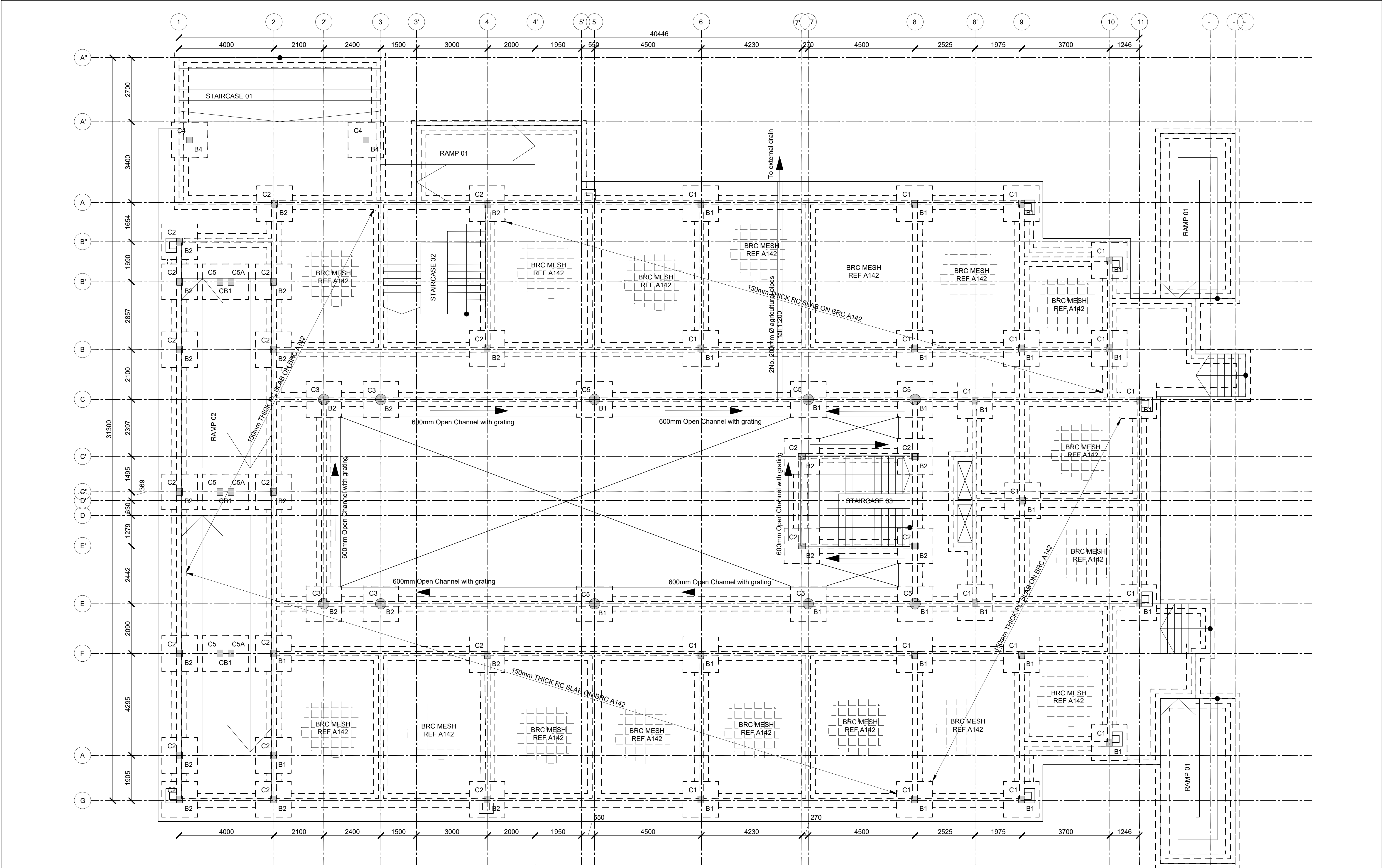
Date: NOV 2023 Job No. : 2023/Nov/KILIFI

Scale 1:100 DRAWING NO. 05-001-014

PROPOSED CONSTRUCTION OF OFFICE AND RELATED INFRASTRUCTURE, KILIFI COUNTY.																																			
PAGE		DRAWING NUMBER				DRAWING TITLE																													
1		05-002-001				DRAWING LIST																													
2		05-002-002				SITE LAYOUT																													
3		05-002-003				FOUNDATION LAYOUT																													
4		05-002-004				FOUNDATION AND COLUMN DETAIL																													
5		05-002-005				STAIRCASE AND RAMP DETAIL																													
6		05-002-006				FIRST FL LAYOUT																													
7		05-002-007				TYPICAL BEAM AND GUTTER DETAIL DETAIL																													
8		05-002-008				FIRST FL RC SLAB																													
9		05-002-009				ROOF 01 LAYOUT																													
10		05-002-010				ROOF 01 SLAB RC DETAIL																													
11		05-002-011				TANK AREA DECK LAYOUT AND DETAIL																													
12		05-002-012				ROOF 02 LAYOUT																													
13		05-002-013				ROOF 02 SLAB RC DETAIL																													
14		05-002-014				GUARD HOUSE																													
15		05-002-015				BIODIGESTER																													
16		05-002-016				CIVIL WORKS 1																													
17		05-002-017				CIVIL WORKS 2																													
18		05-002-018				BOUNDARY WALL																													
19		05-002-019				PUMP ROOM																													
<div>Consultant:- ARPRIM CONSORTIUM P.O. Box 12969-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com</div>		<div>CLIENT:- STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.</div>		<div>PROJECT:- PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</div>				<div>PROJECT TITLE:- PROPOSED CONSTRUCTION OF OFFICE AND RELATED INFRASTRUCTURE, KILIFI COUNTY.</div> <div>DRAWING TITLE:- KILIFI OFFICES - DRAWING LIST</div>				<div>NOTES 1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2.All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be: 5. Maximum tolerance on concrete cover is +/- 5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 500 unless stated otherwise.</div>				<div>Stairs, Slabs & Walls = 35mm Beams (main bars) = 35mm Post-tensioned beams = 40mm Columns (main bars) = 30mm Foundations = 75mm</div>				<div>8. Safe Bearing Pressure taken to be 250 KN/m². 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Concrete blinding to be Class 15 unless stated otherwise. 12. Masonry Strength to be 7.0 N/mm².</div>				<div>Designed by Drawn by Checked by Scale</div>		<div>DAN DAN HOH AS SHOWN</div>		<div>Rev D C B A</div>		<div>Description</div>		<div>By</div>		<div>Date</div>	
<div>DRAWING NO. 05-002-001</div>																																			



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



FOUNDATION/GROUND FLOOR LAYOUT
(SCALE 1:100)

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

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

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

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - FOUNDATION LAYOUT

NOTES

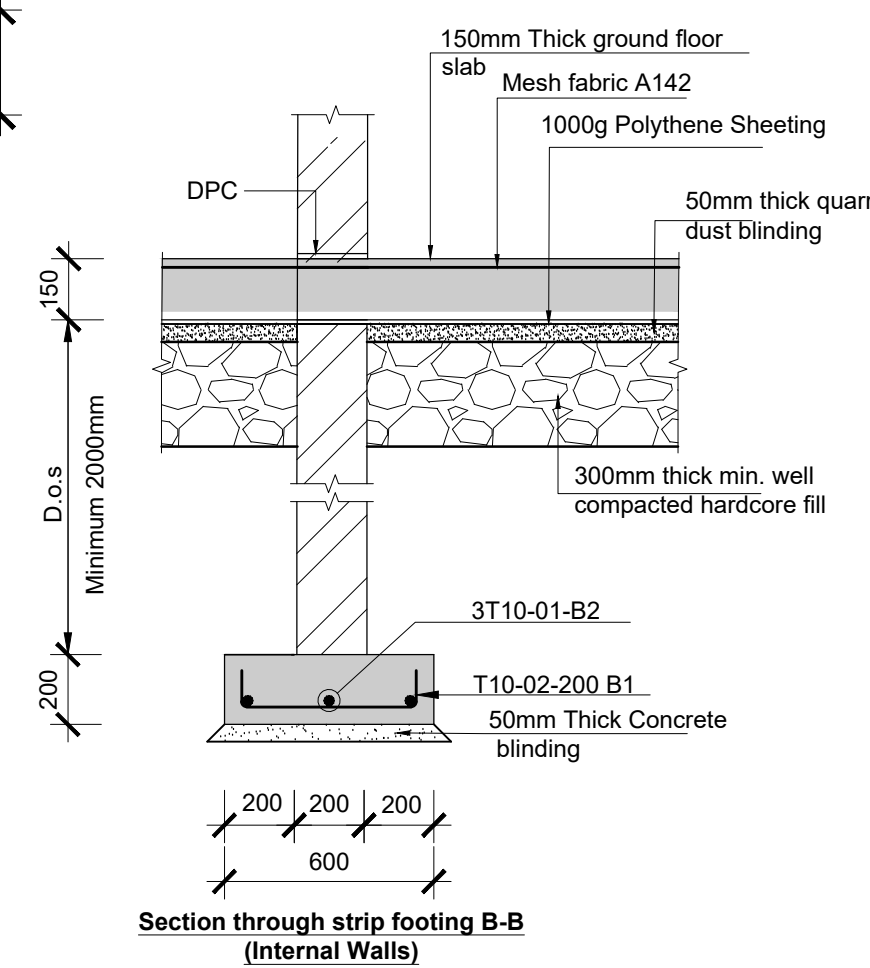
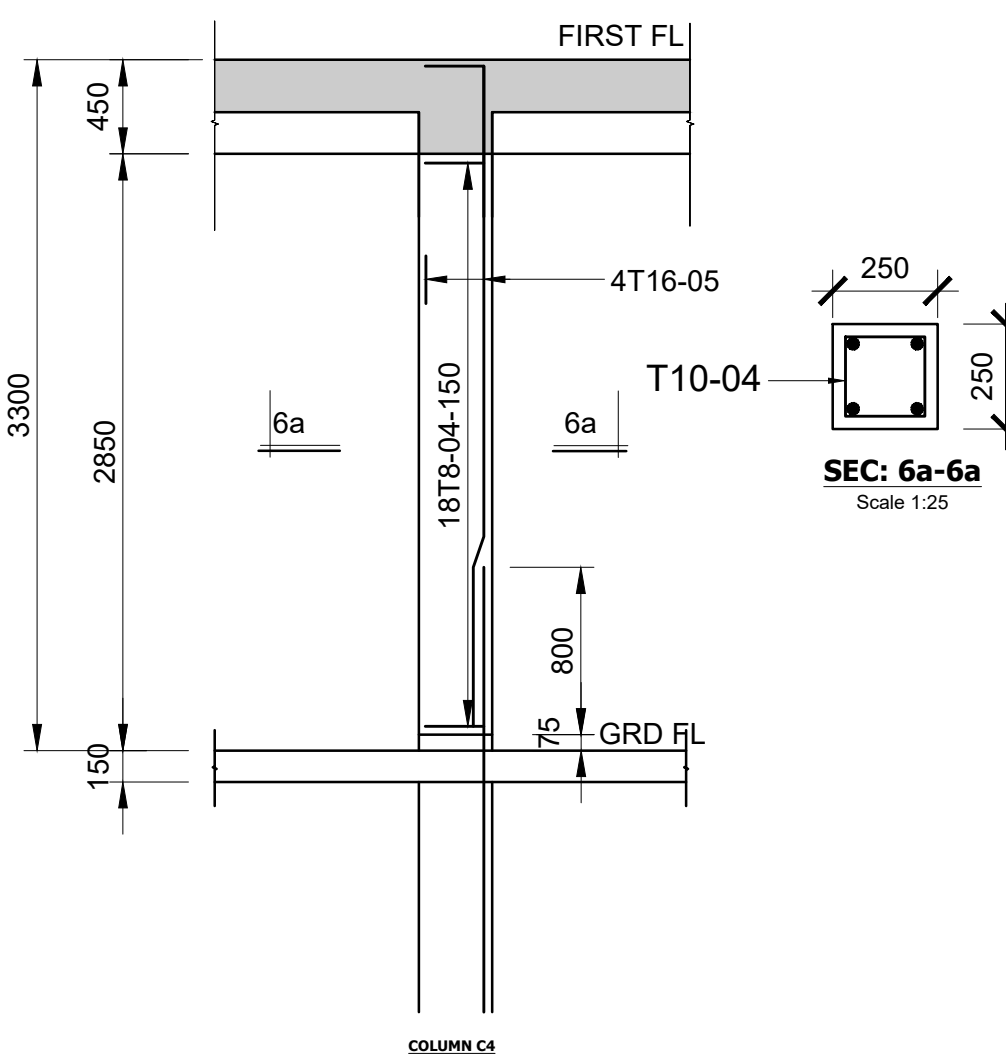
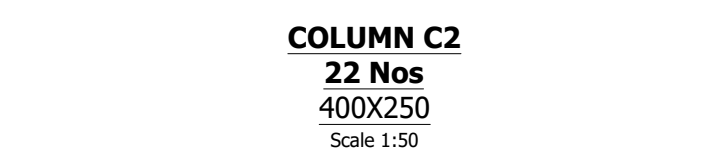
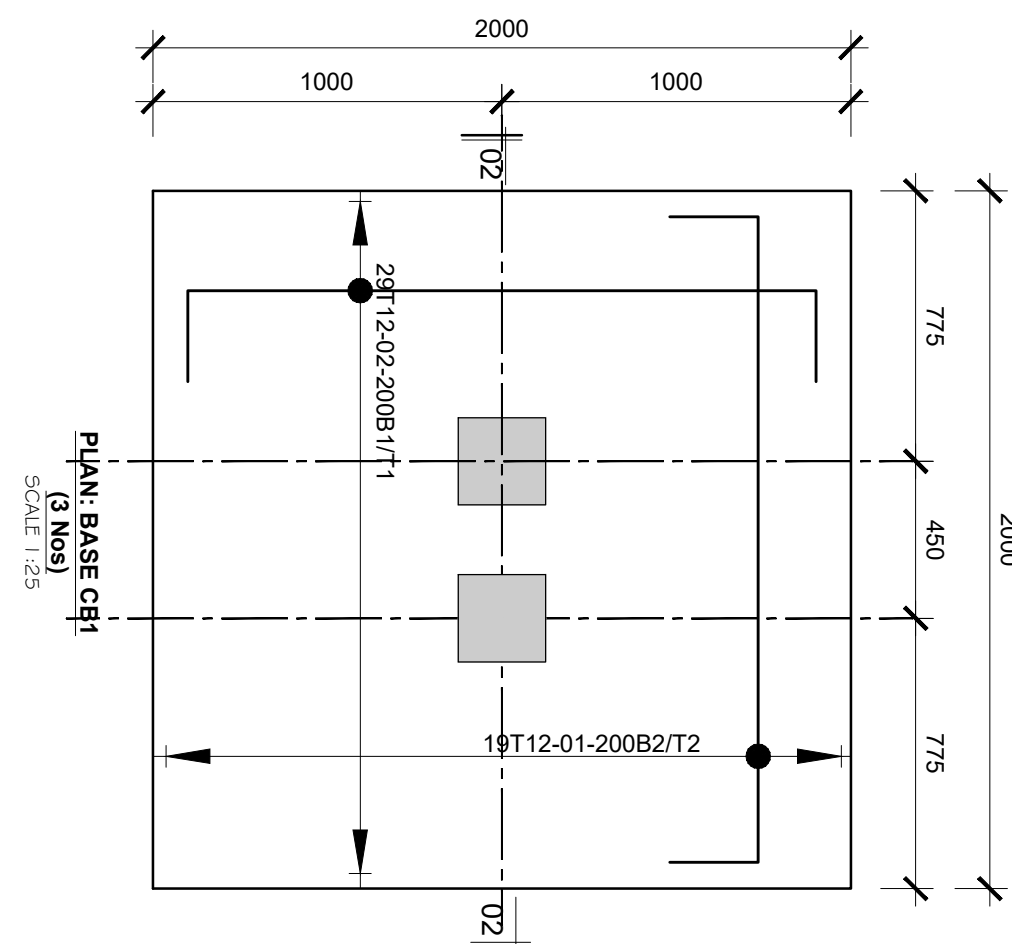
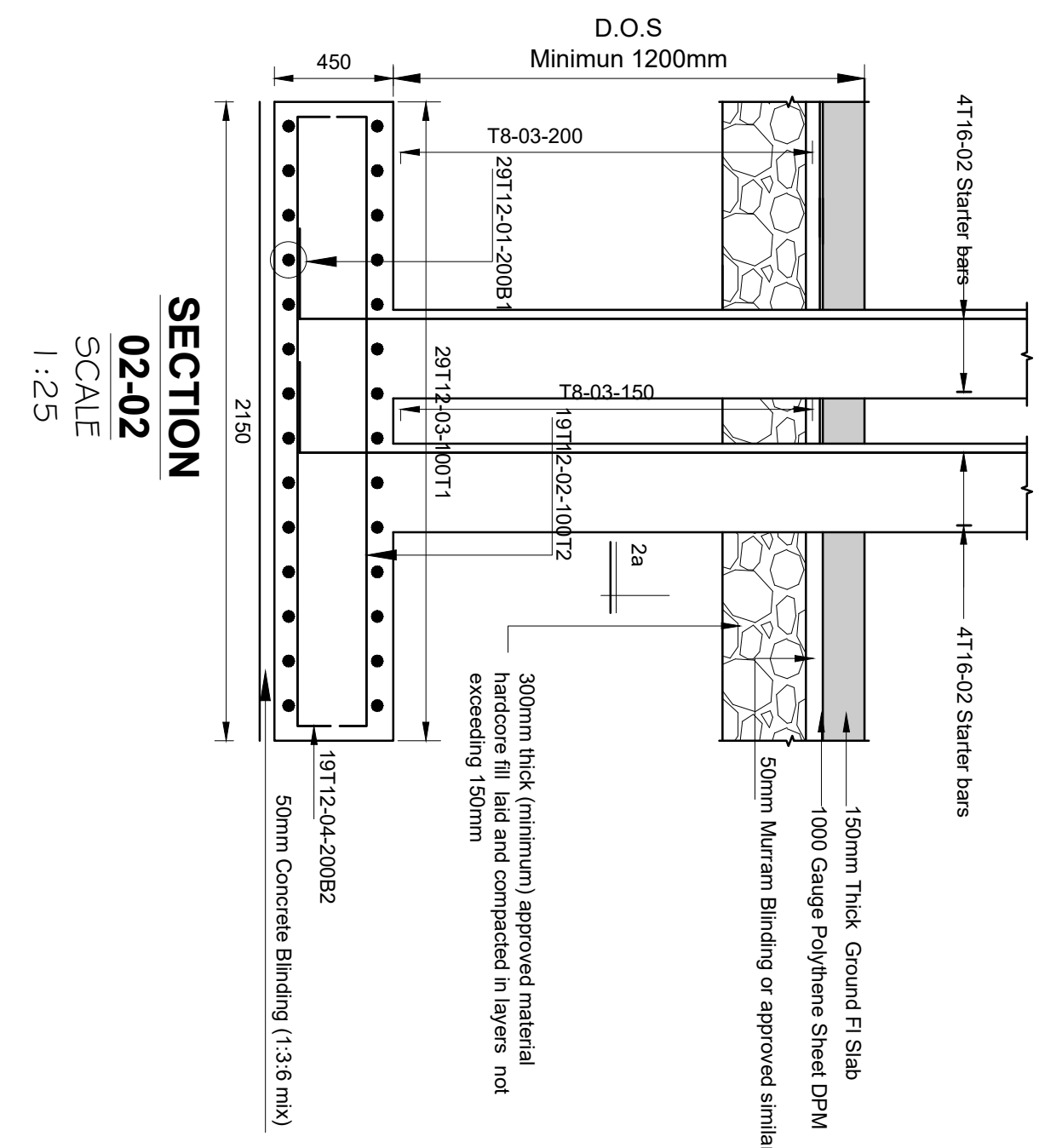
1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement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

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

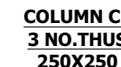
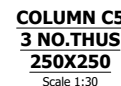
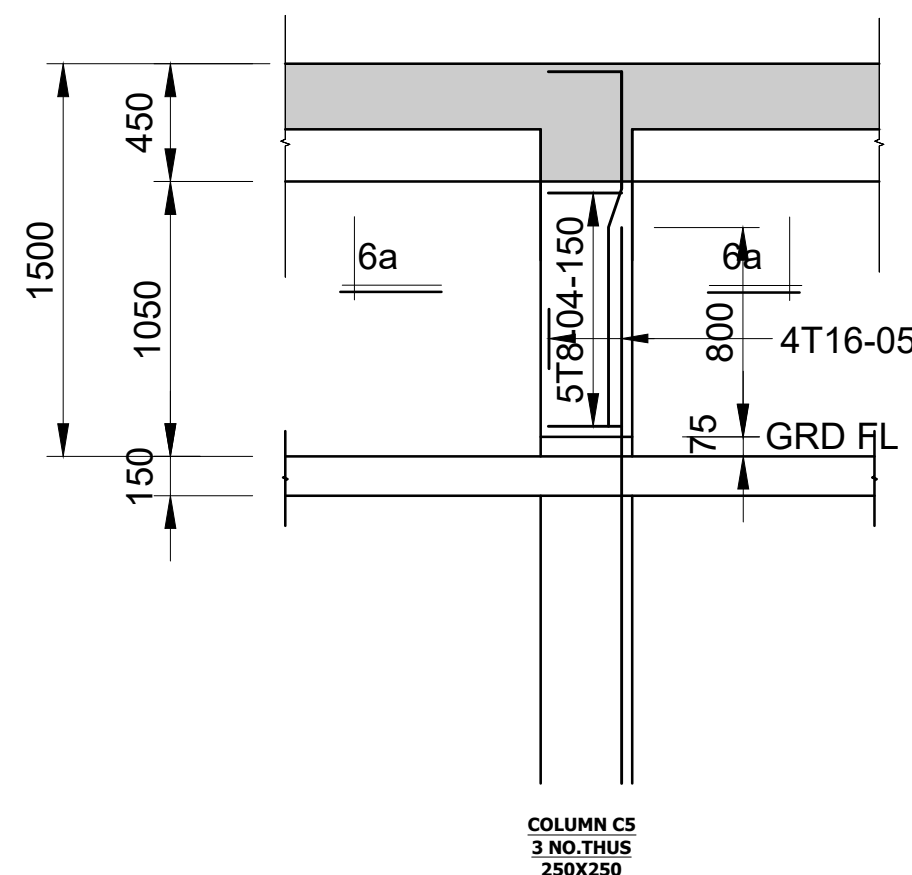
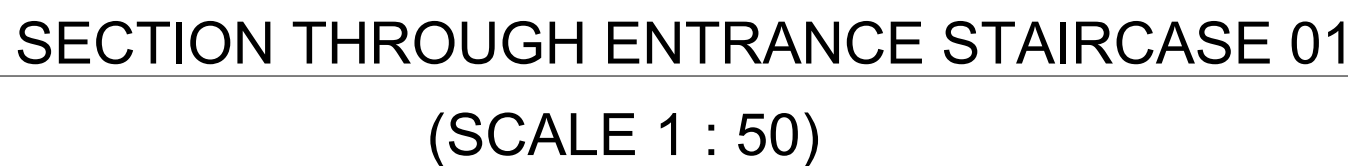
8. Safe Bearing Pressure taken to be 250 KN/m².
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete landing to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

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

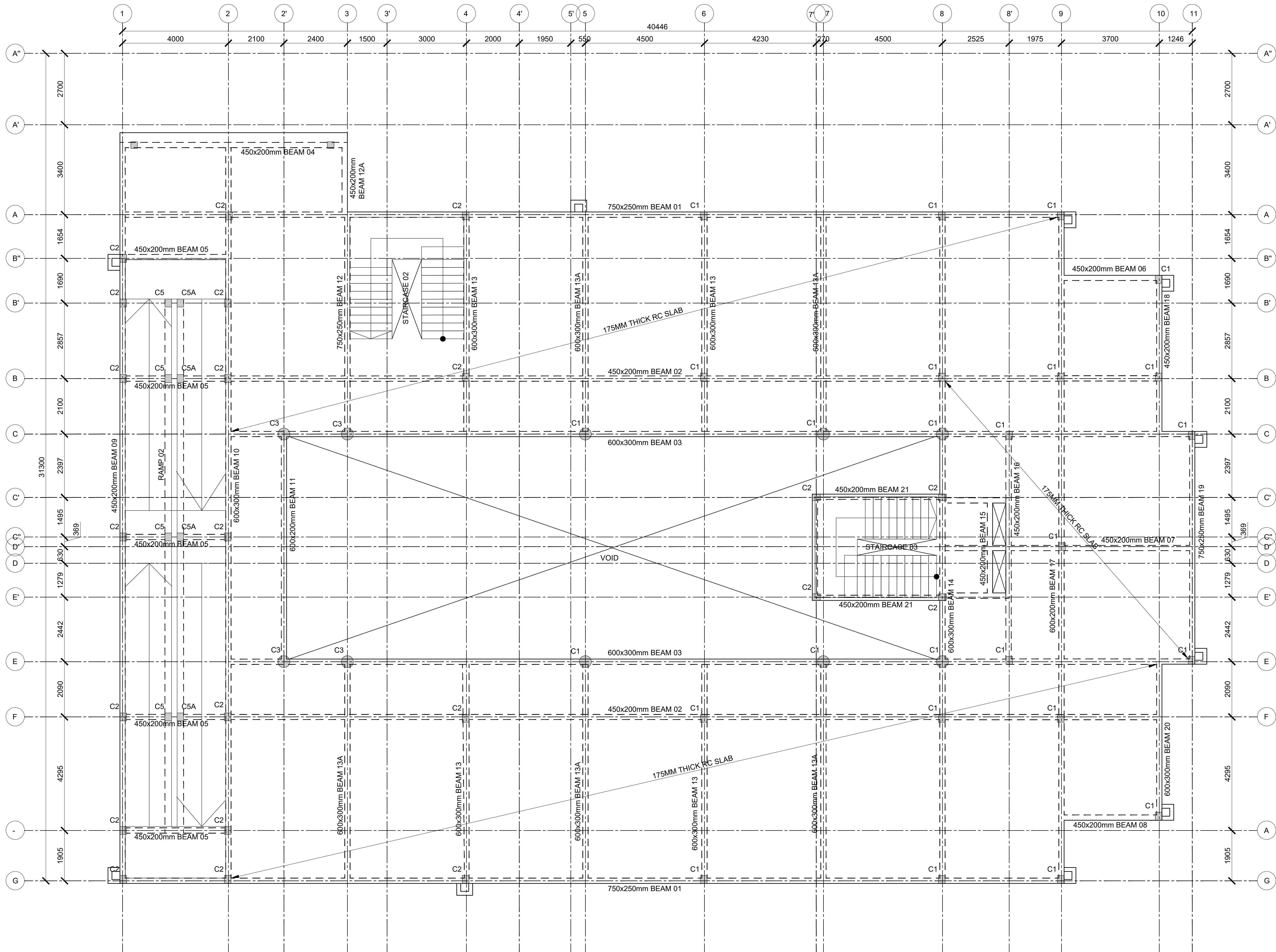
DRAWING NO. 05-002-003



Consultant:- ARPRIM CONSORTIUM P.O. Box 12695-00100, Nairobi, KENYA. Tel: 02 608 906 Fax: 02 608 907 E-mail: info@arprimconsultants.com	CLIENT:- STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.	PROJECT:- PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.	PROJECT TITLE:- PROPOSED CONSTRUCTION OF OFFICE AND RELATED INFRASTRUCTURE, KILIFI COUNTY.	NOTES 1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2. All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be: with BS 4483. 5. Maximum tolerance on concrete cover to +1, -5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 50D unless stated otherwise.	Drawn by DAN	Rev	Description	By	Date
					Designed by DAN	D			
					Checked by HOH	C			
					Scale AS SHOWN	B			
						A			
<div style="border: 1px solid black; padding: 5px; text-align: center;"> DRAWING NO. 05-002-004 </div>									



<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>	CLIENT:-	PROJECT:-	PROJECT TITLE:-	NOTES		
	STATE DEPARTMENT FOR FISHERIES, AQUACULTURE AND THE BLUE ECONOMY.	PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT (KEMFSED) NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.	PROPOSED CONSTRUCTION OF OFFICE AND RELATED INFRASTRUCTURE, KILIFI COUNTY.	1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer. 2. All dimensions are in millimetres unless specified otherwise. 3. All levels are indicated in m unless specified otherwise. 4. Minimum cover to all reinforcement to be:	Stairs, Slabs & Walls = 35mm Beams (main bars) = 35mm Post-tensioned beams = 40mm Columns (main bars) = 50mm Foundations = 75mm 5. Maximum tolerance on concrete cover to +/- 5mm. 6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483. 7. Minimum laps to all bars to be 50Ø unless stated otherwise.	8. Safe Bearing Pressure taken to be 250 KN/m². 9. Nominal aggregate size to be 20mm. 10. Structural concrete to be Class 25 unless stated otherwise. 11. Concrete binding to be Class 15 unless stated otherwise. 12. Masonry Strength to be 7.0 N/mm²
			DRAWING TITLE:-			
			KILIFI OFFICES - RAMP AND STAIRCASE DETAIL			



FIRST FLOOR LAYOUT
(SCALE 1:100)

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

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

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

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - FIRST FLOOR LAYOUT

NOTES

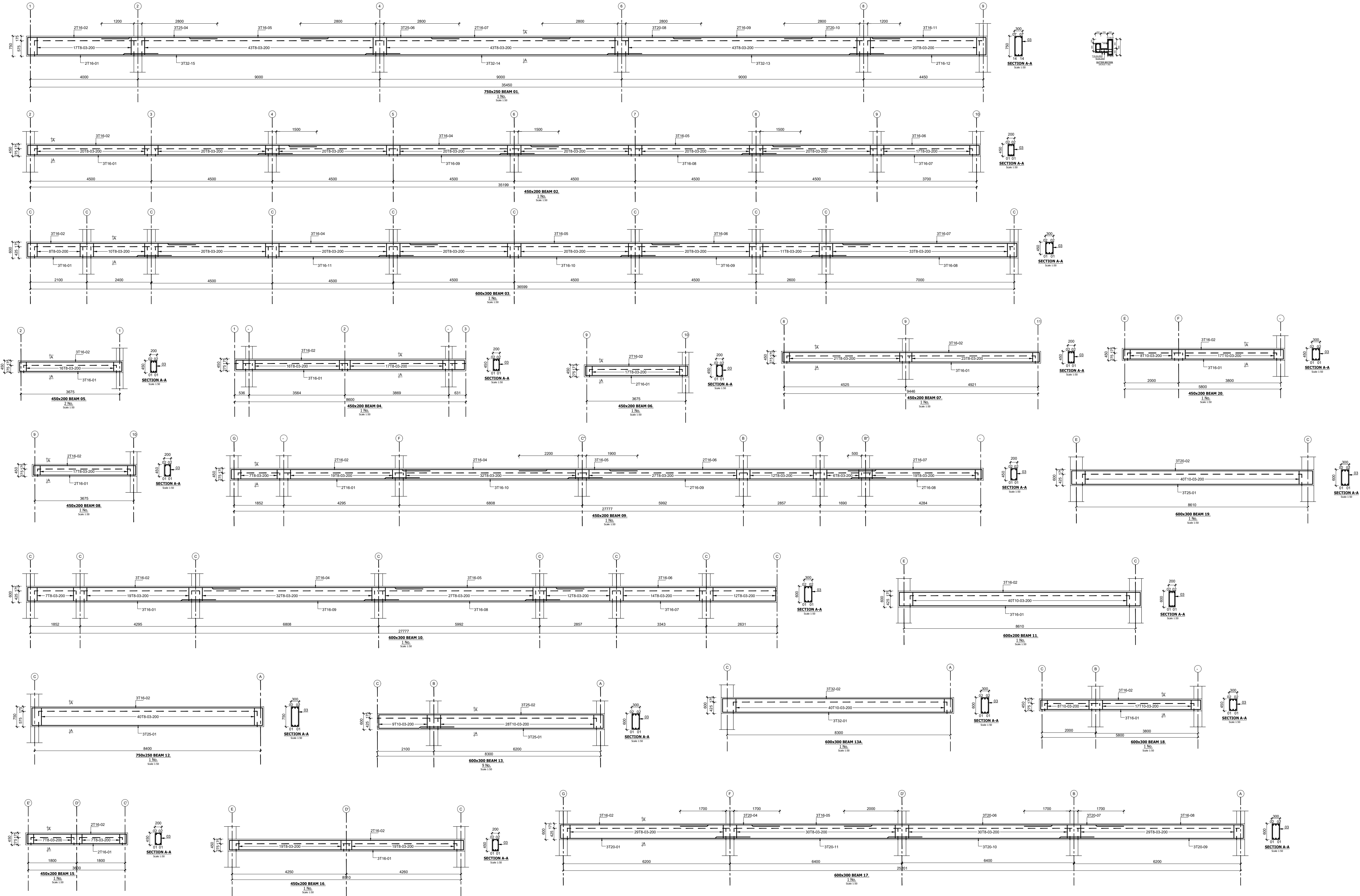
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- Foundations = 75mm
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- 7. Minimum laps to all bars to be 500 unless stated otherwise.

8. Safe Bearing Pressure taken to be 250 KN/m².
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-006



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 OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - TYPICAL BEAM AND GUTTER DETAIL

NOTES

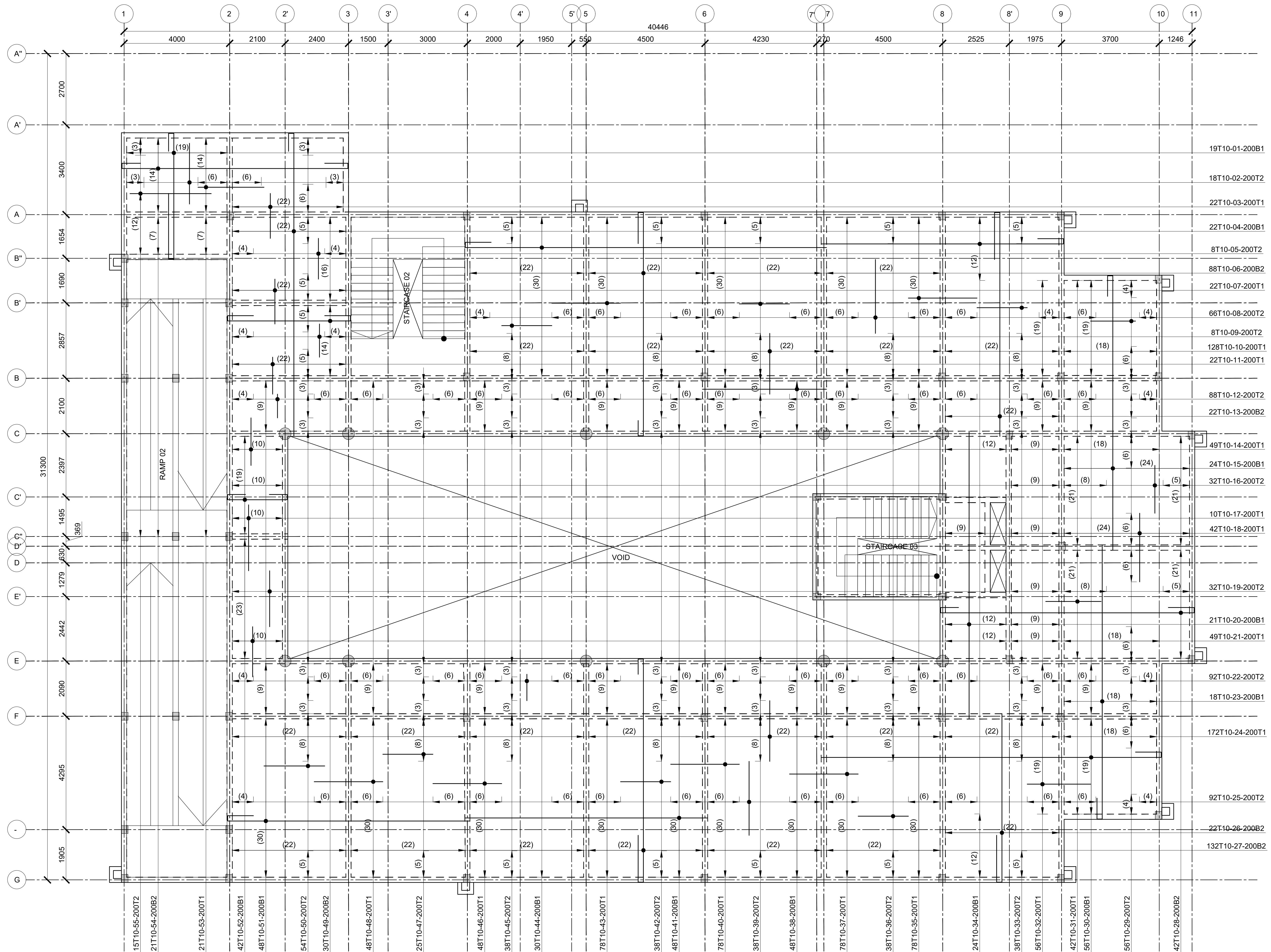
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9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-007



FIRST FLOOR SLAB RC DETAIL
(SCALE 1:100)

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

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

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

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - FIRST FLOOR SLAB RC DETAIL

NOTES

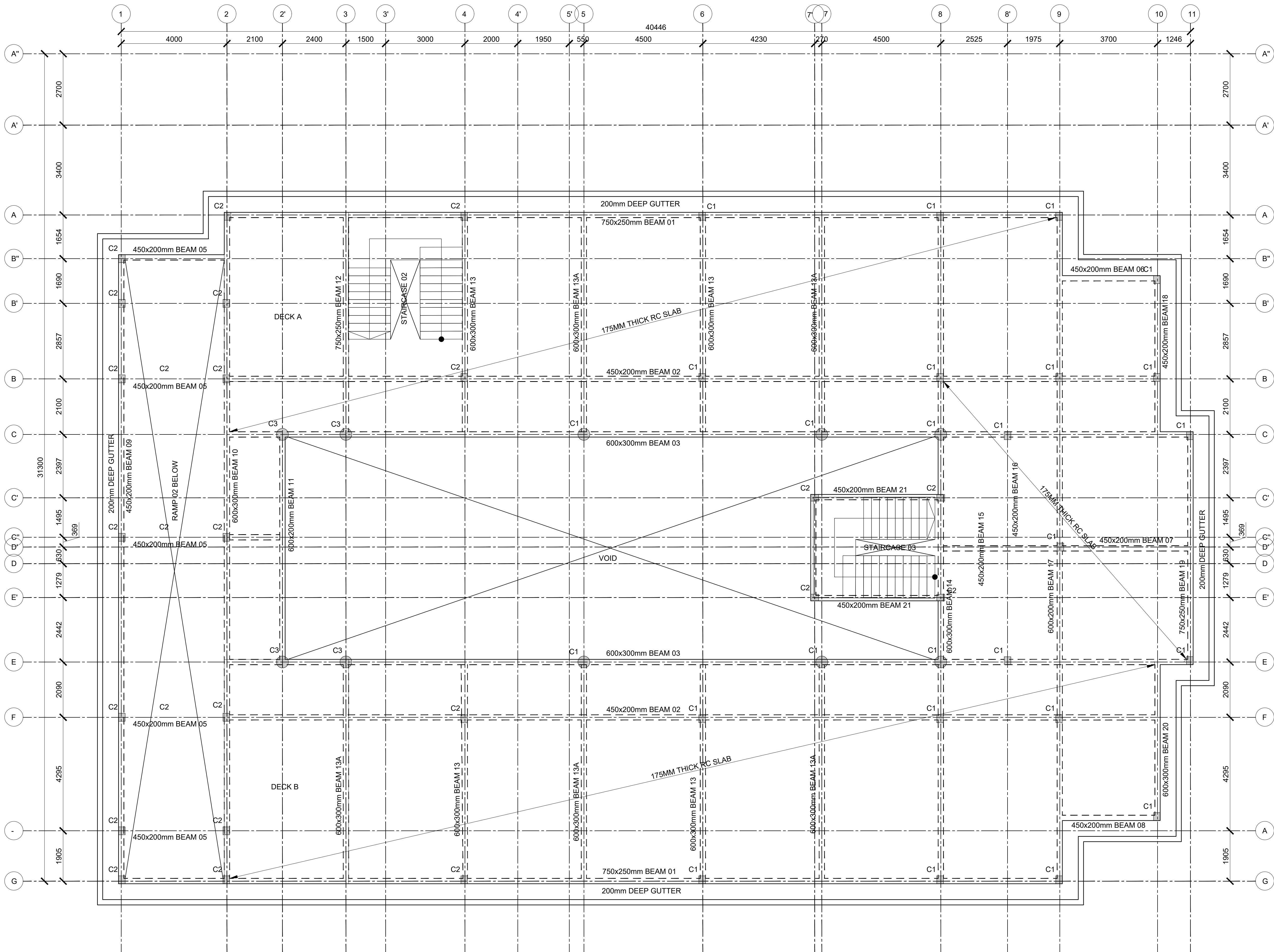
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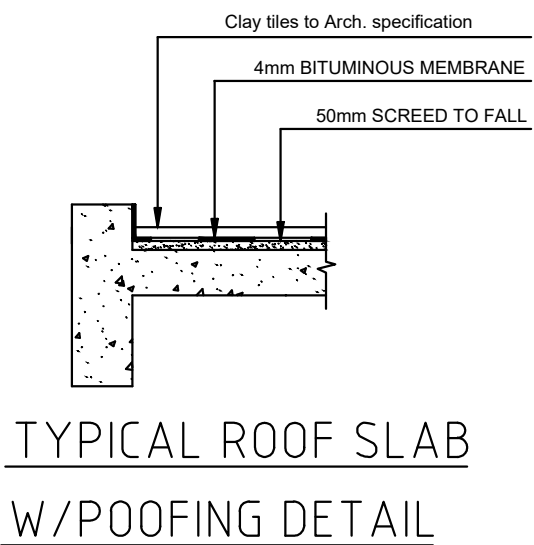
8. Safe Bearing Pressure taken to be 250 KN/m².
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class C25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-008



ROOF 01 LAYOUT
(SCALE 1:100)



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

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

PROJECT:-
**PROPOSED KENYA MARINE FISHERIES AND
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AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - ROOF 01 LAYOUT

NOTES

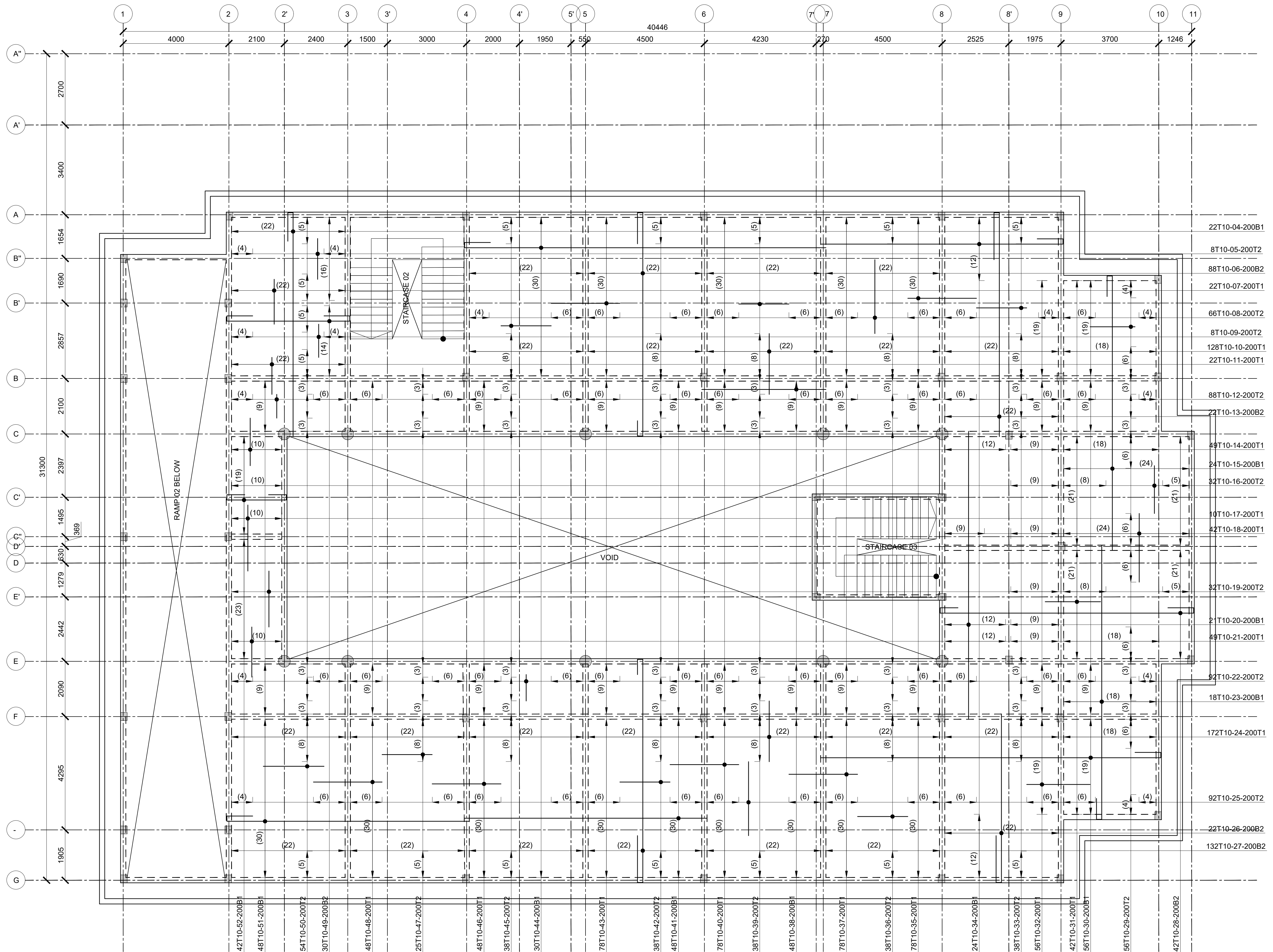
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10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-009



ROOF 01 SLAB RC DETAIL
(SCALE 1:100)

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

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

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

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - ROOF 01 SLAB RC DETAIL

NOTES

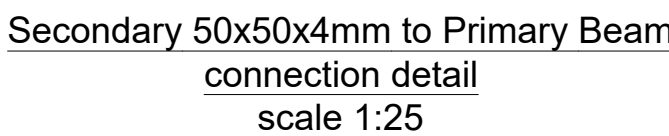
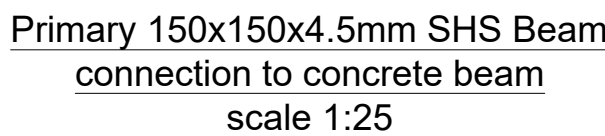
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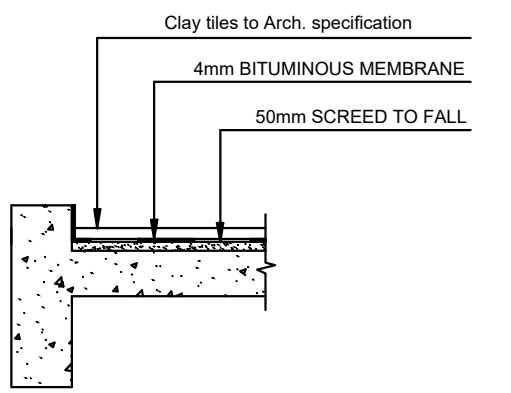
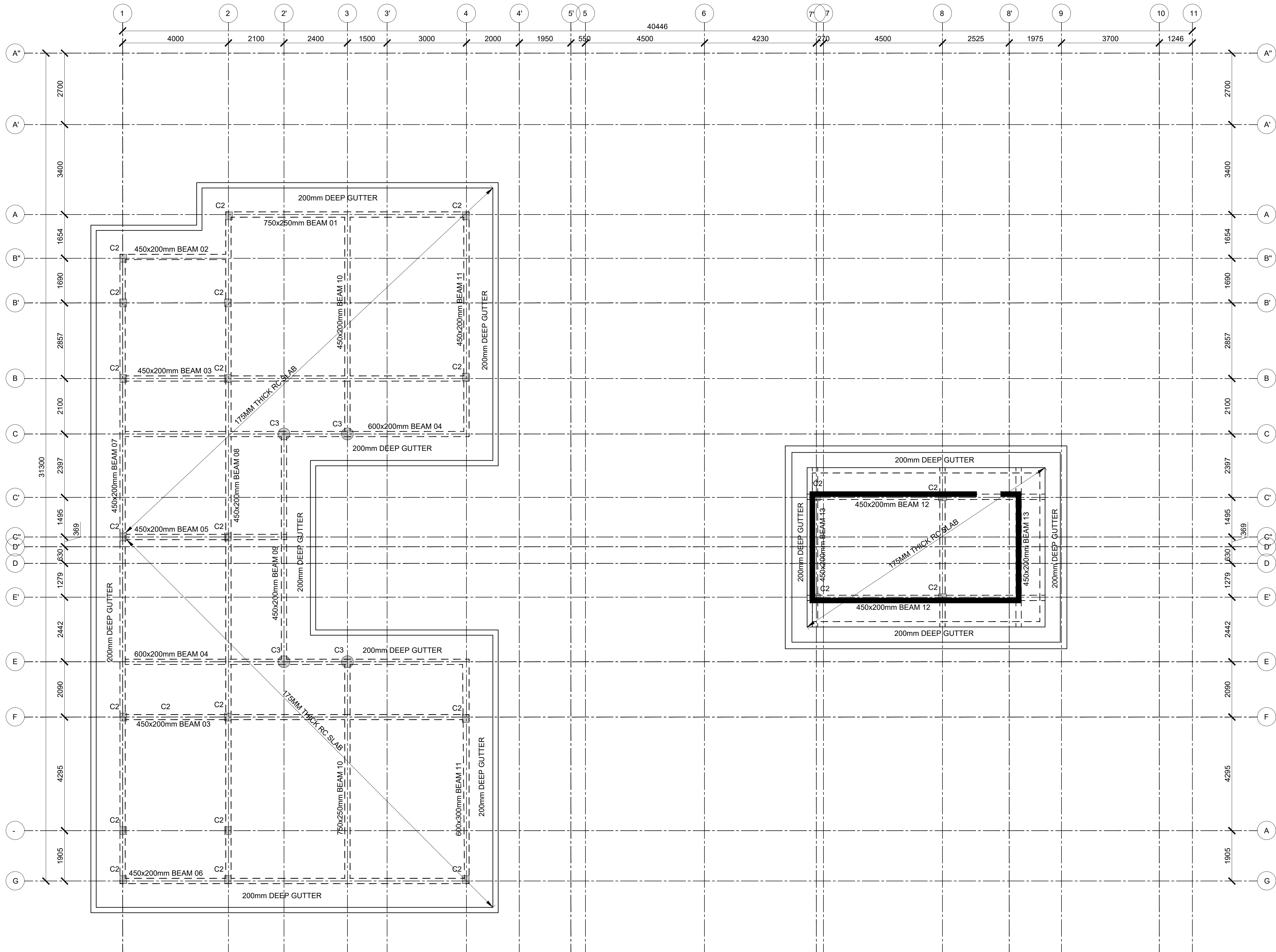
- 8. Safe Bearing Pressure taken to be 250 KN/m².
- 9. Nominal aggregate size to be 20mm.
- 10. Structural concrete to be Class C25 unless stated otherwise.
- 11. Concrete landing to be Class C15 unless stated otherwise.
- 12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-010



DRAWING NO. 05-002-011



TYPICAL ROOF SLAB
W/POOFING DETAIL

ROOF 02 LAYOUT
(SCALE 1:100)

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

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

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

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI COFFICES - ROOF 02 LAYOUT

NOTES

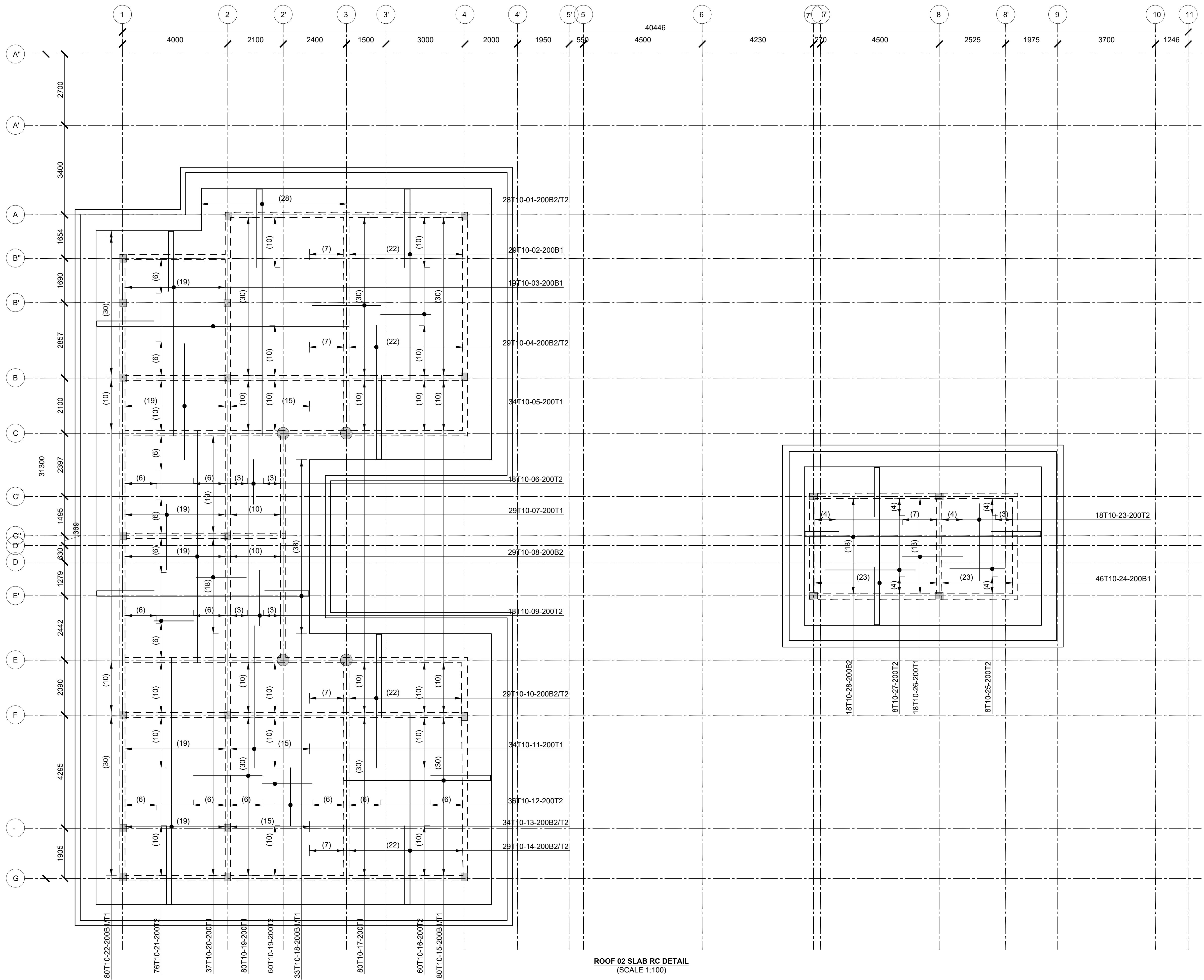
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- 7. Minimum laps to all bars to be 500 unless stated otherwise.

- 8. Safe Bearing Pressure taken to be 250 KN/m².
- 9. Nominal aggregate size to be 20mm.
- 10. Structural concrete to be Class 25 unless stated otherwise.
- 11. Concrete blinding to be Class 15 unless stated otherwise.
- 12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-012



ROOF 02 SLAB RC DETAIL
(SCALE 1:100)

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

CLIENT:-
**STATE DEPARTMENT FOR FISHERIES,
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PROJECT:-
**PROPOSED KENYA MARINE FISHERIES AND
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AND COUNTY FISHERIES INFRASTRUCTURE.**

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - ROOF 02 SLAB RC DETAIL

NOTES

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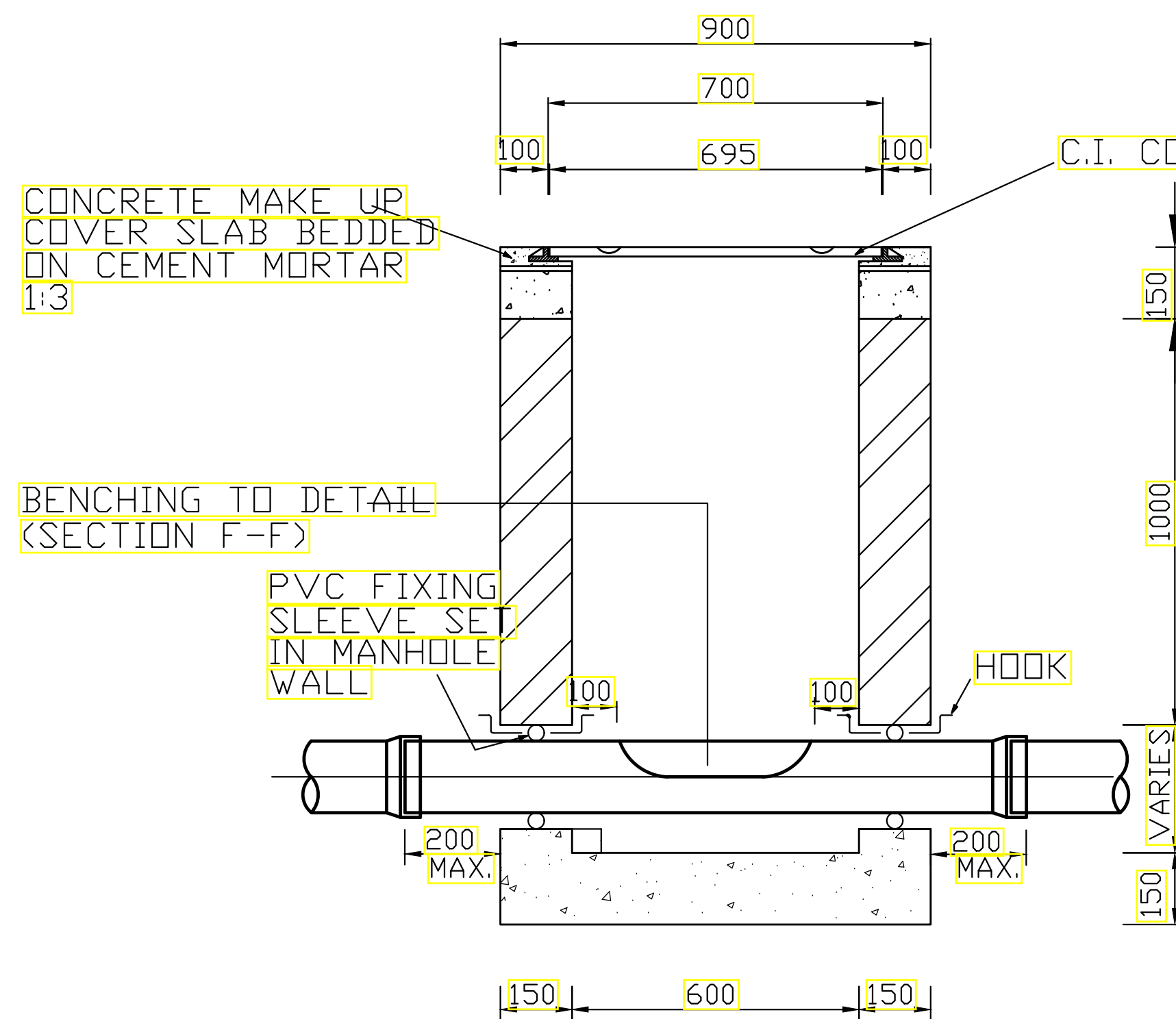
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Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			

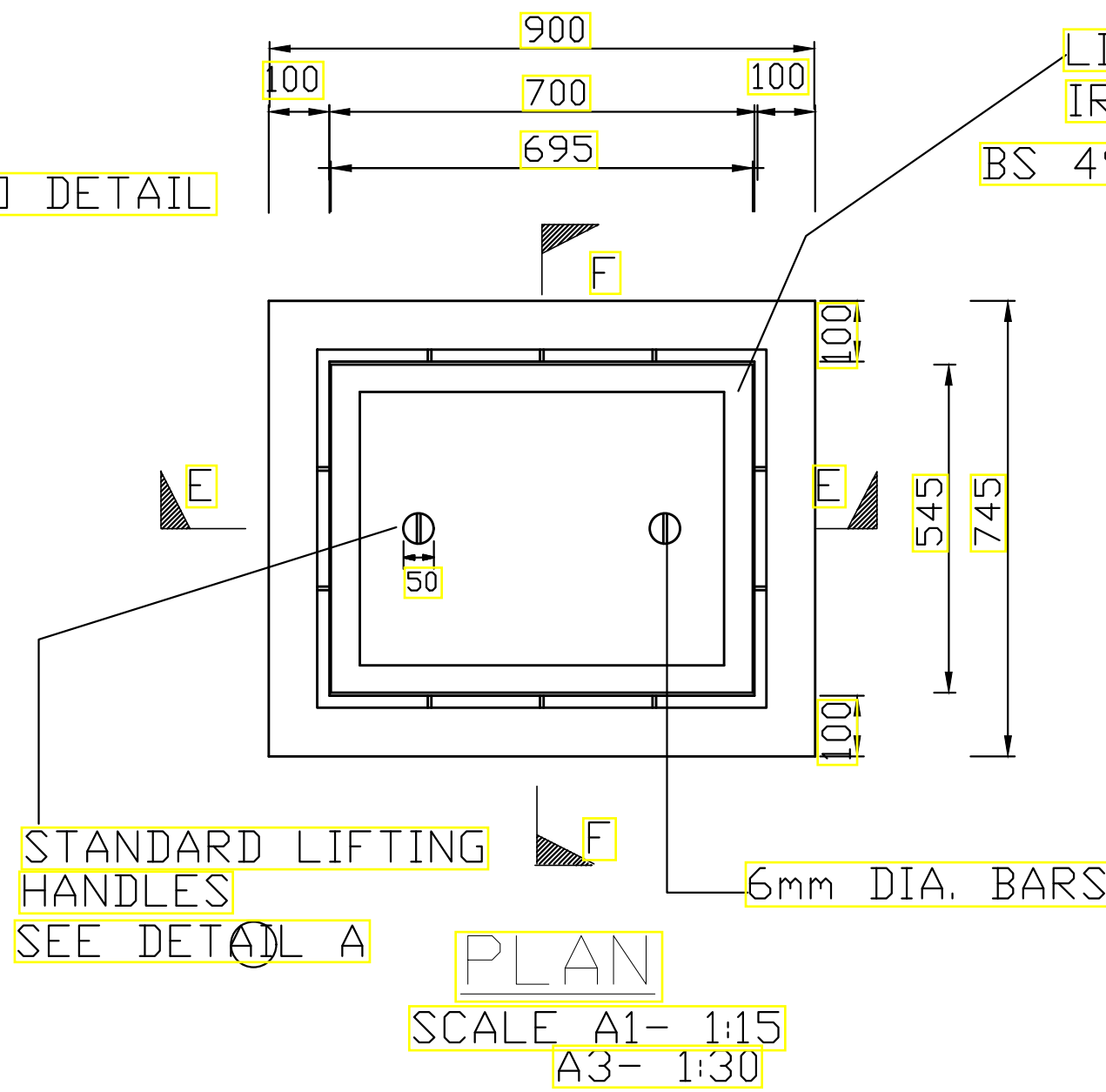
DRAWING NO. 05-002-013



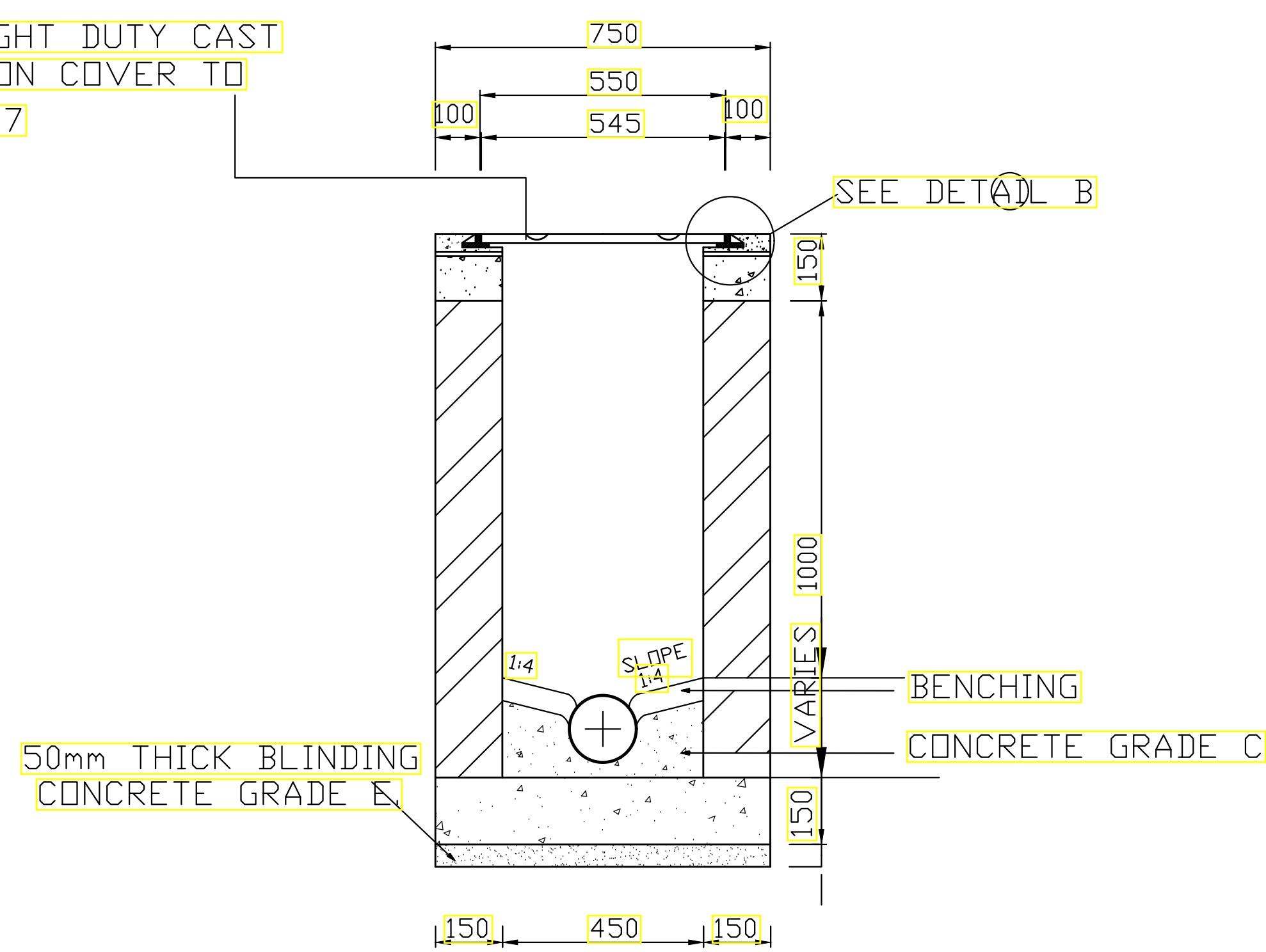
DRAWING NO. 05-002-015



SECTION E-E
SCALE A1- 1:15
A3- 1:30



PLAN
SCALE A1- 1:15
A3- 1:30



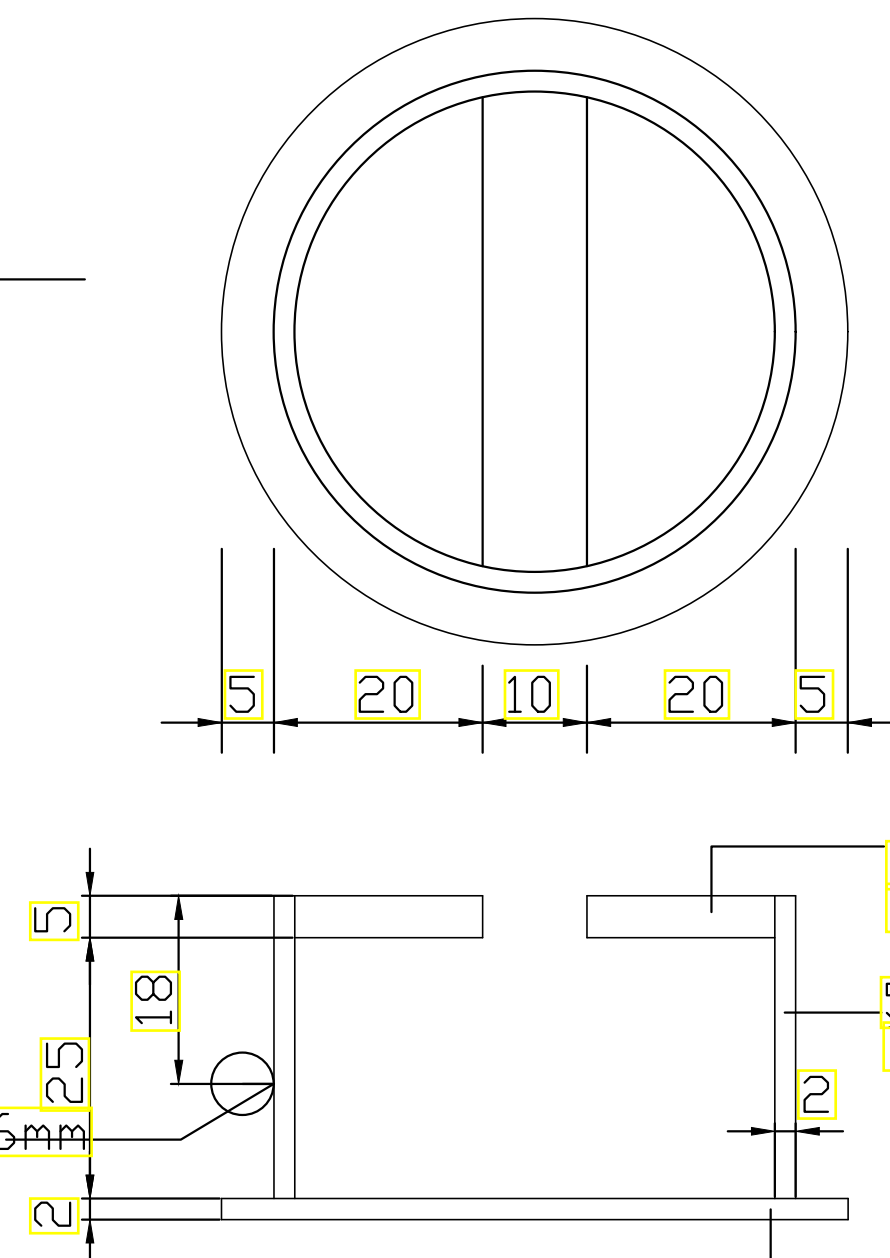
SECTION F-F
SCALE A1- 1:15
A3- 1:30

INSPECTION CHAMBER DETAILS

NOTES:

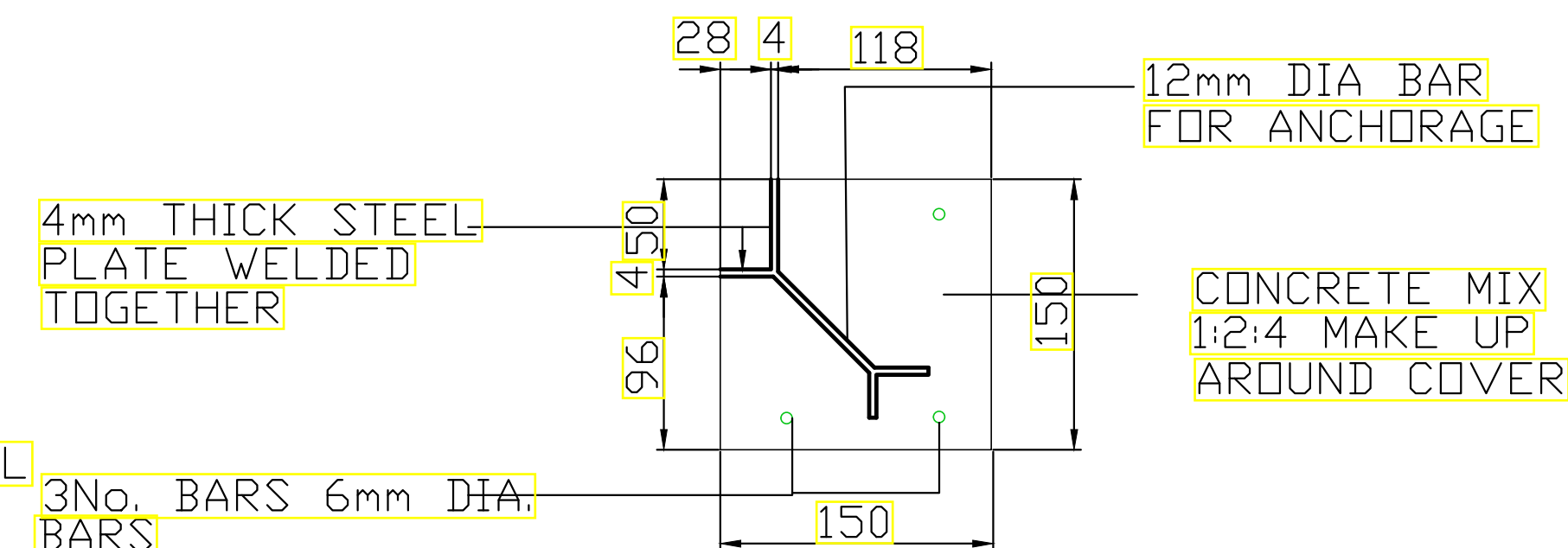
1. INSPECTION CHAMBER SHOULD BE SIZE 600x450mm UPTO DEPTH OF 1000mm
2. FOR INSPECTION CHAMBER EXCEEDING DEPTH 1000mm SIZE SHOULD BE 850x1200mm
3. WALLS OF INSPECTION CHAMBER TO BE OF MASONRY

TACK WELDING TO 6mm DIA. STEEL BARS



DETAIL A
SCALE 1:1

SECTION A-A
DETAIL OF LIFTING KEY HOLE
SCALE 1:1



DETAIL B
SCALE 1:5

SECTION SHOWING DETAIL OF FRAME FOR P.C.C. - I.C. COVER
SCALE 1:5

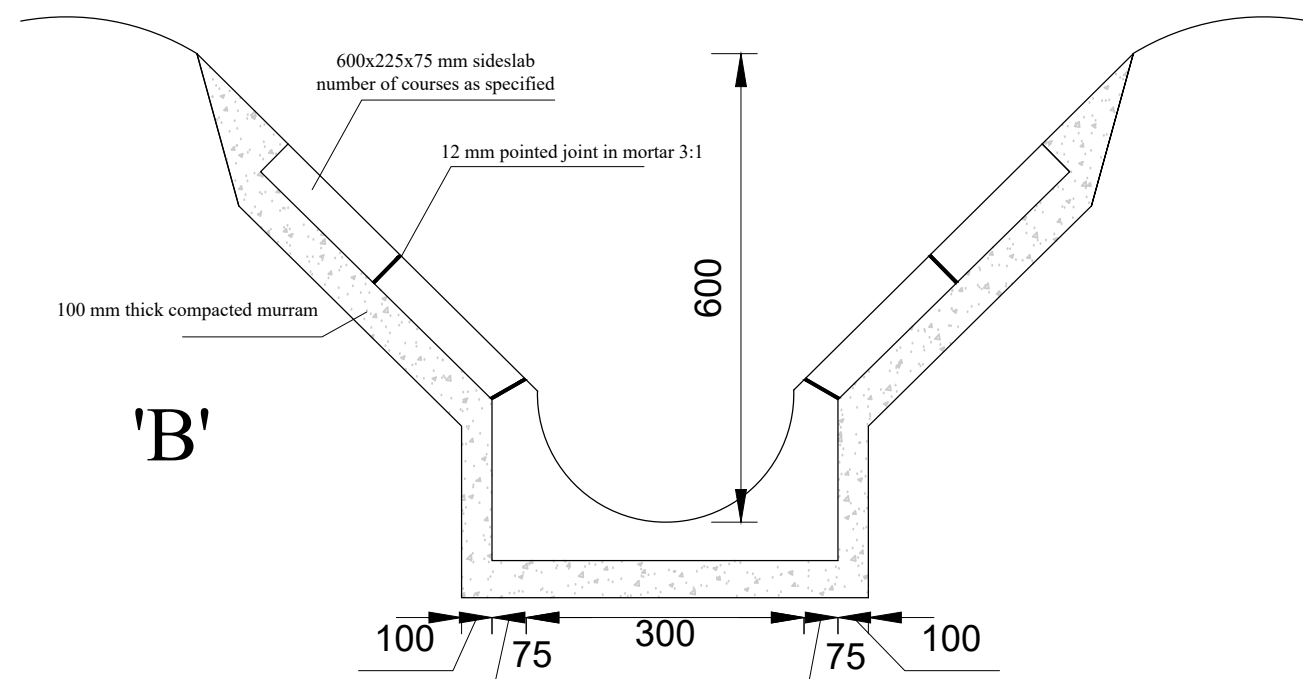
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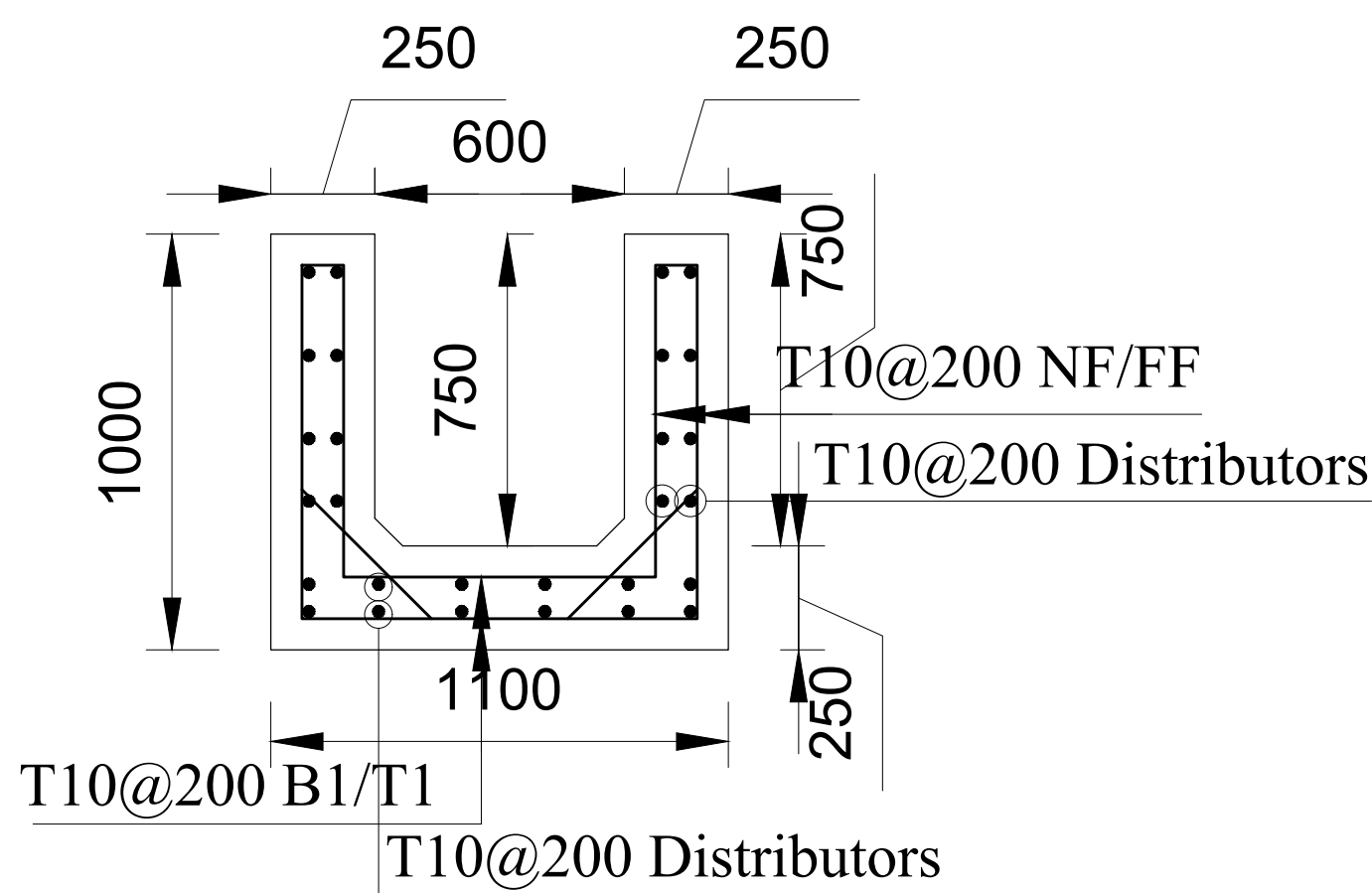
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9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

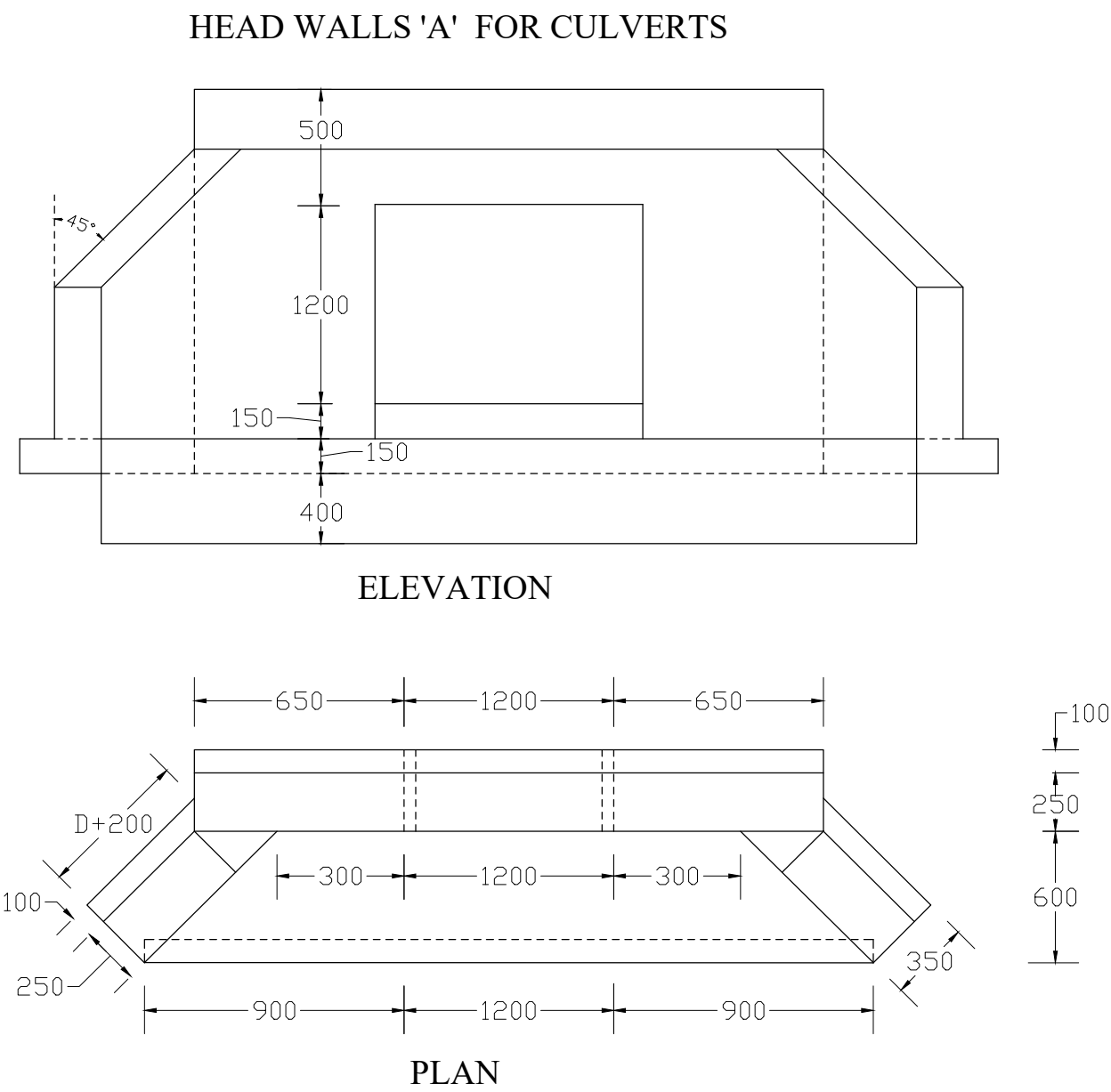
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Checked by	HOH	C			
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INVERT BLOCK DRAIN
assembly details

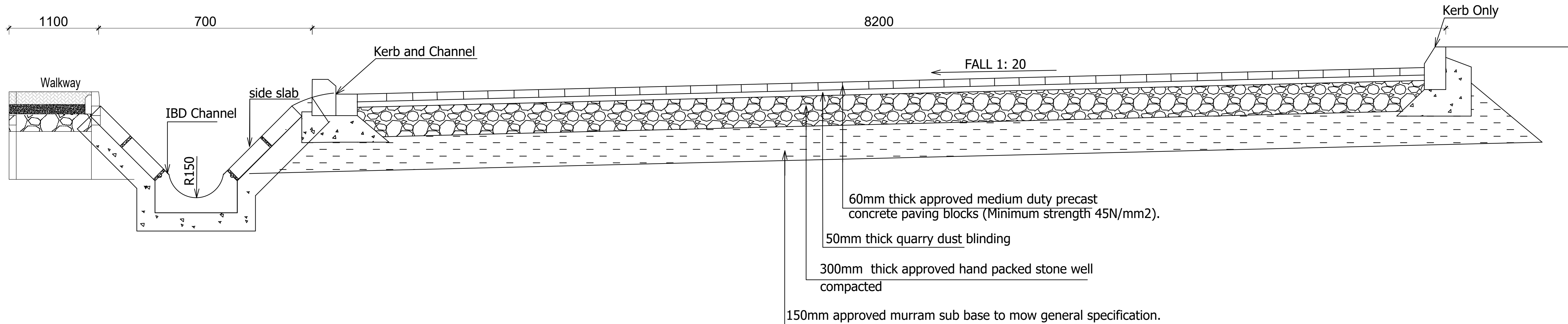
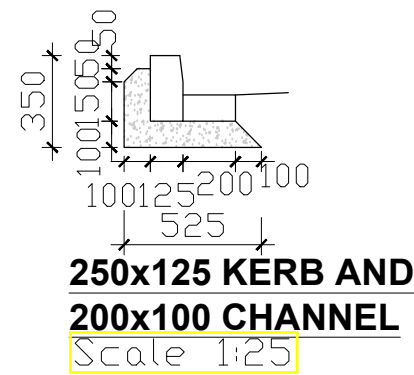
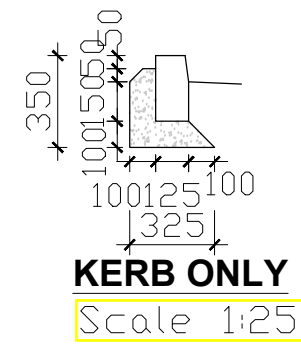
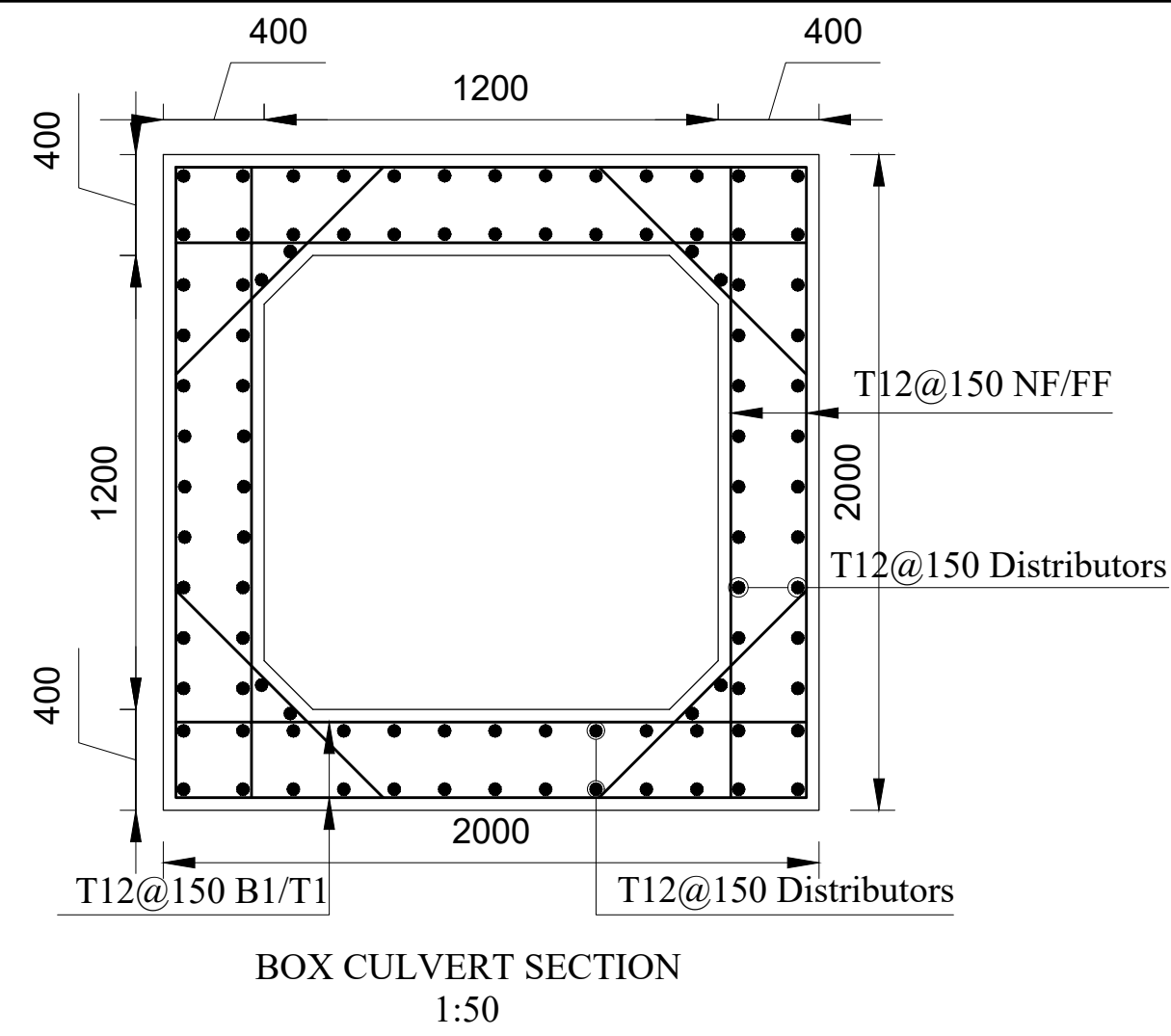


750mm Deep RC Drain



NOTES

Head wall concrete to be class $20/20$ 1:2:4 mix
'D' denotes internal diameter of the culvert as specified
Finished road level to be at least 30 cm above the crown of the culvert
All measurements are in mm.



ROAD SECTION X-X (ONE WAY FALL)

SCALE 1:50

Consultant:-
ARPRIM CONSORTIUM
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E-mail: info@arprimconsultants.com

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

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

PROJECT TITLE:-
**PROPOSED CONSTRUCTION OF OFFICE AND RELATED
INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
KILIFI OFFICES - CIVIL WORKS 2

NOTES

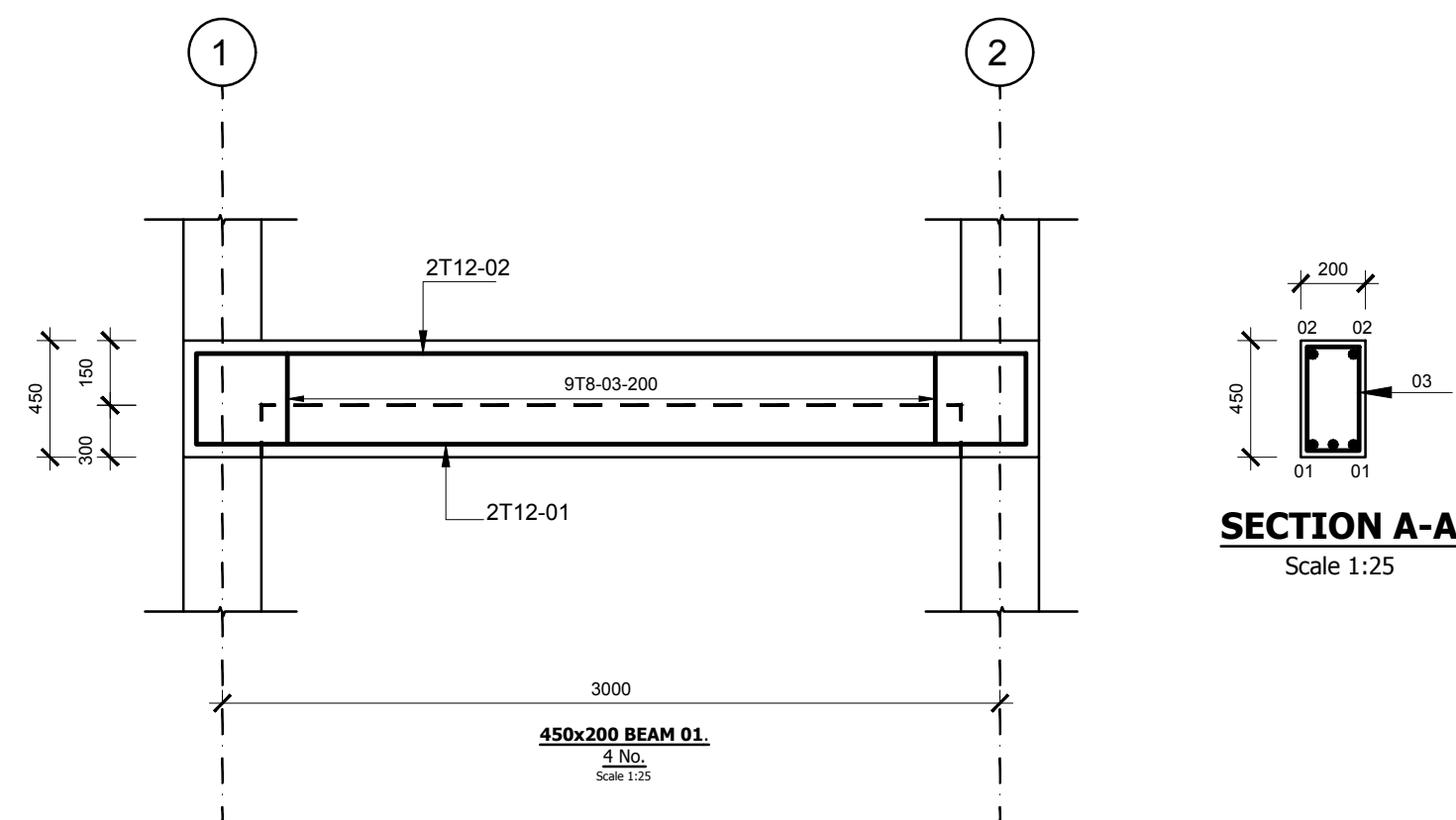
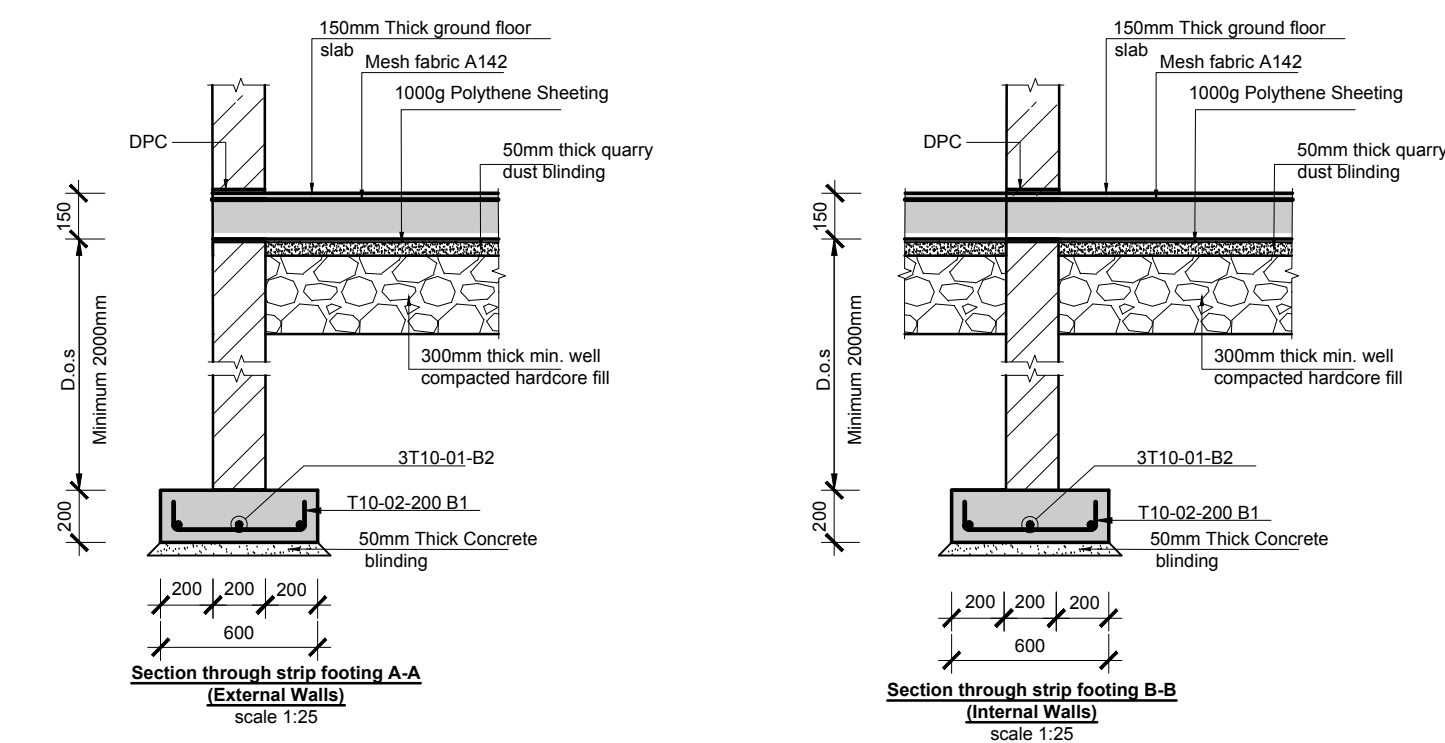
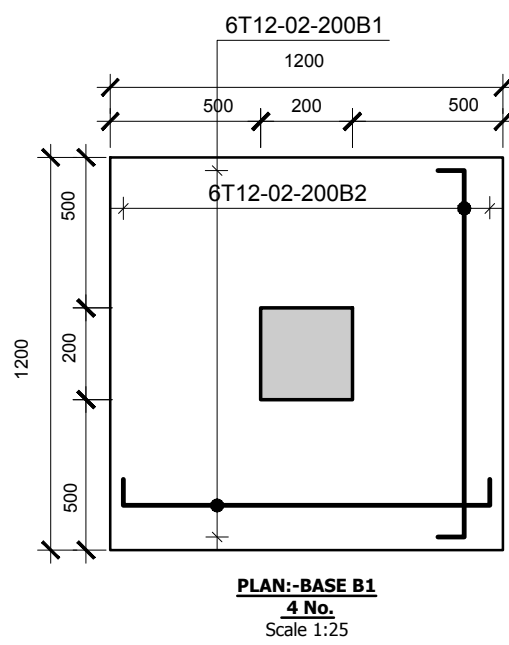
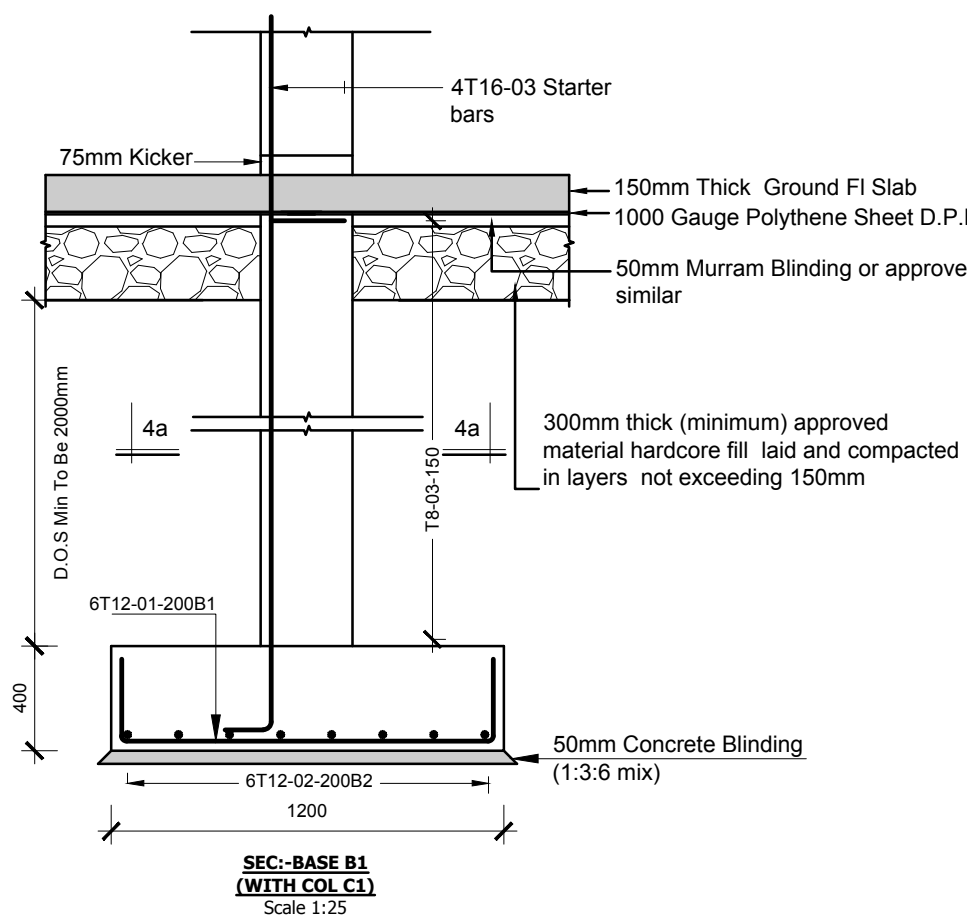
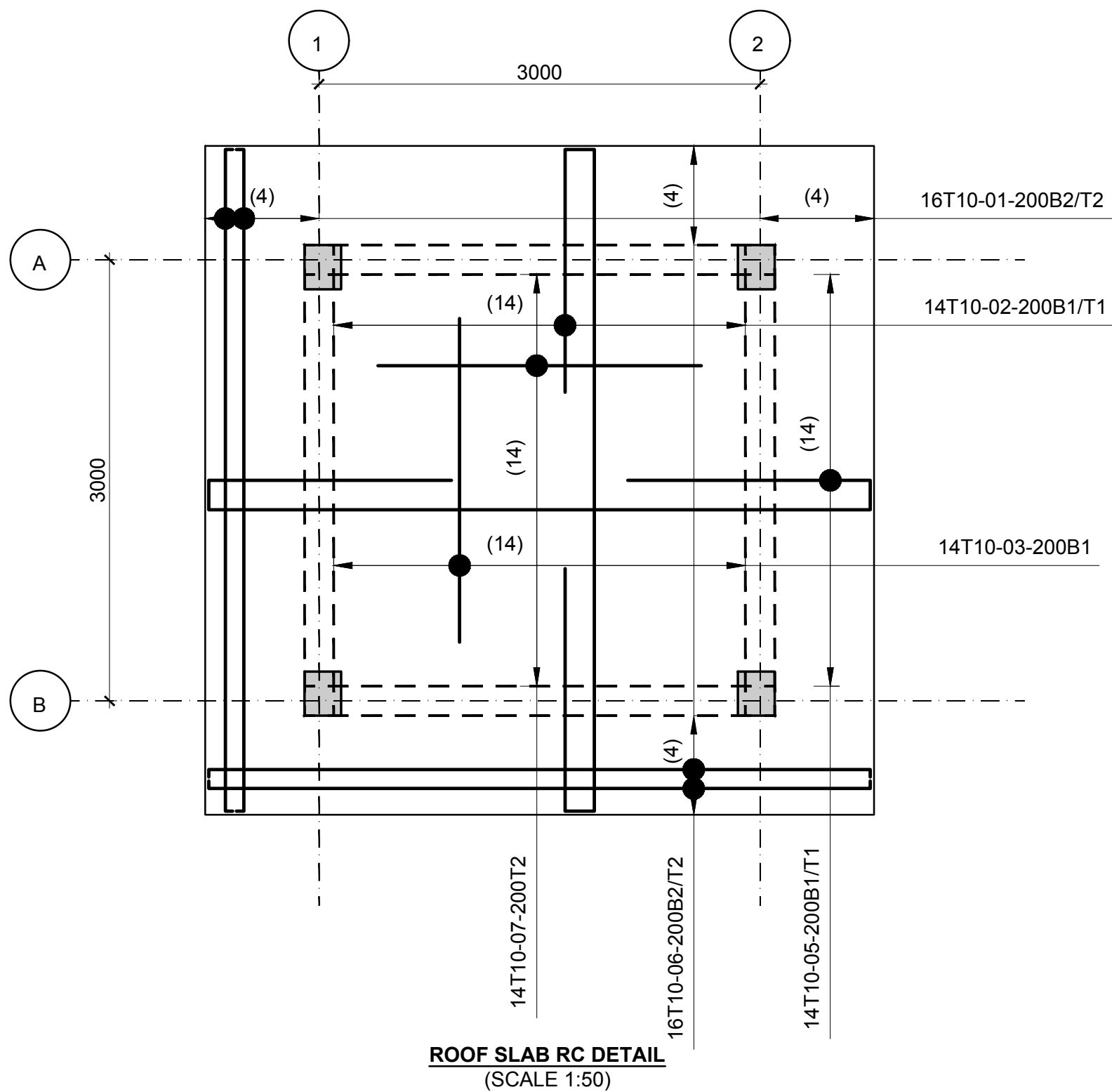
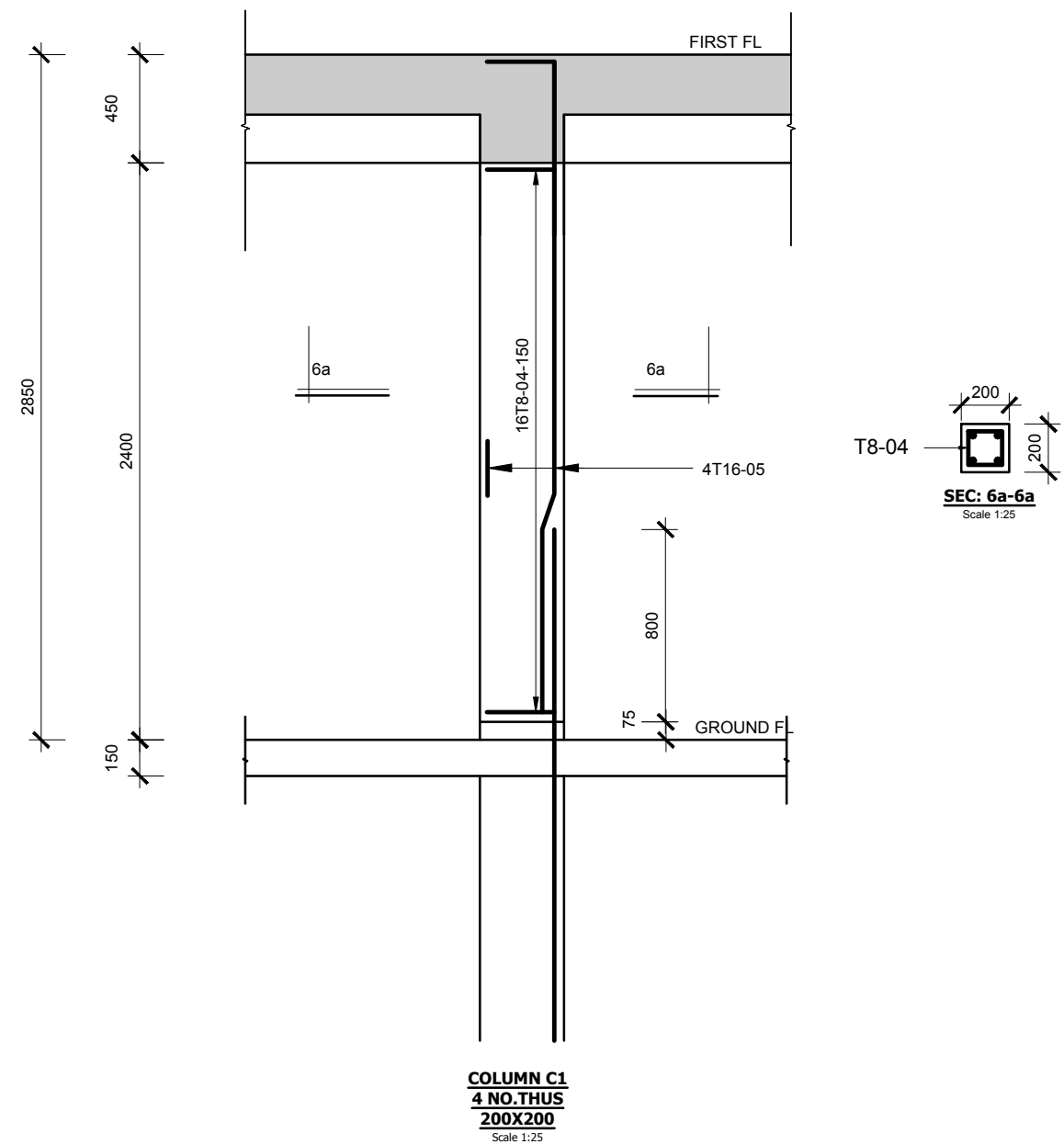
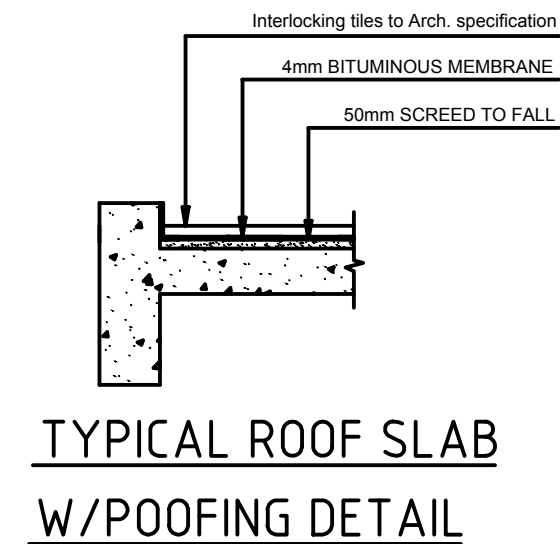
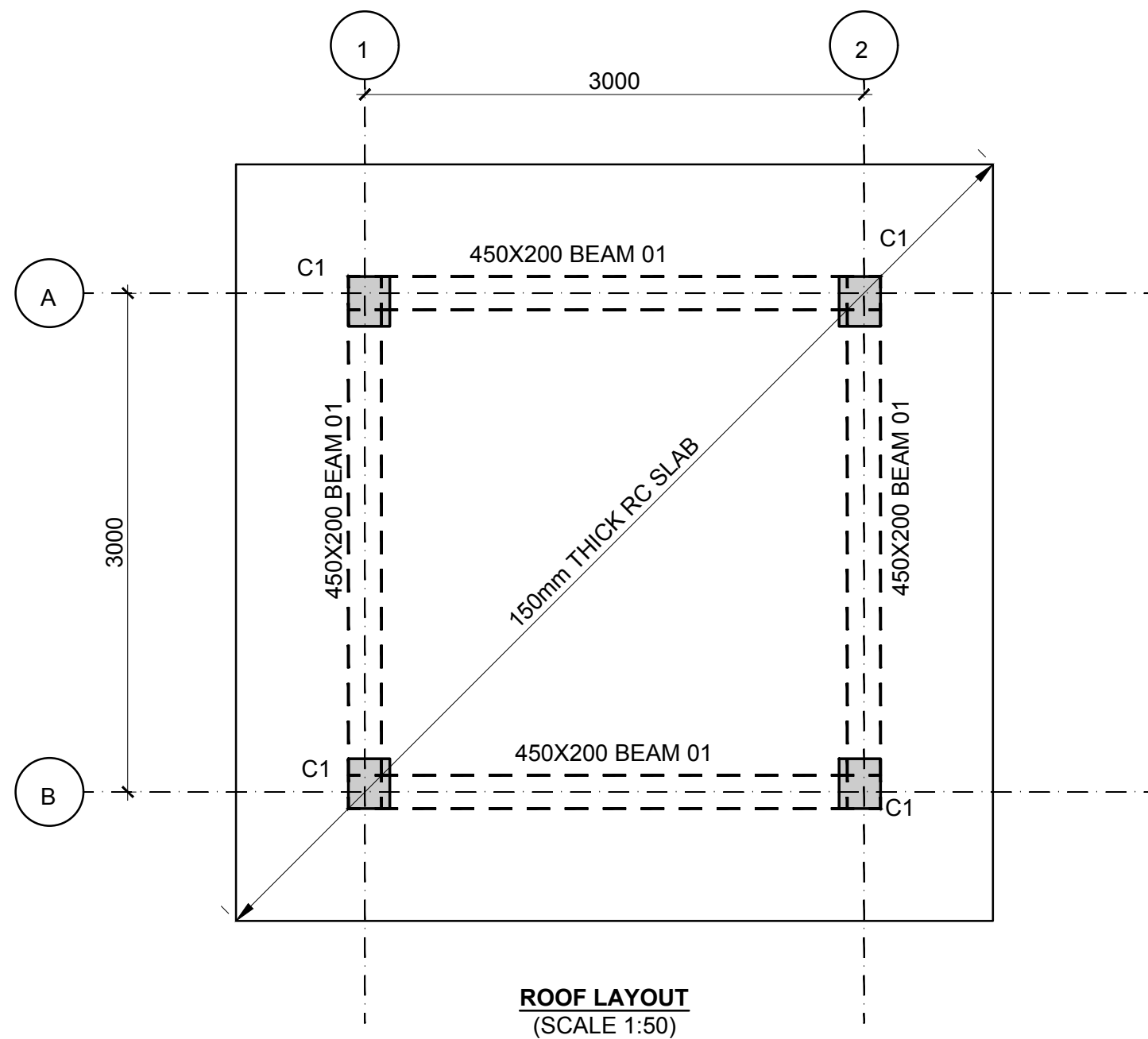
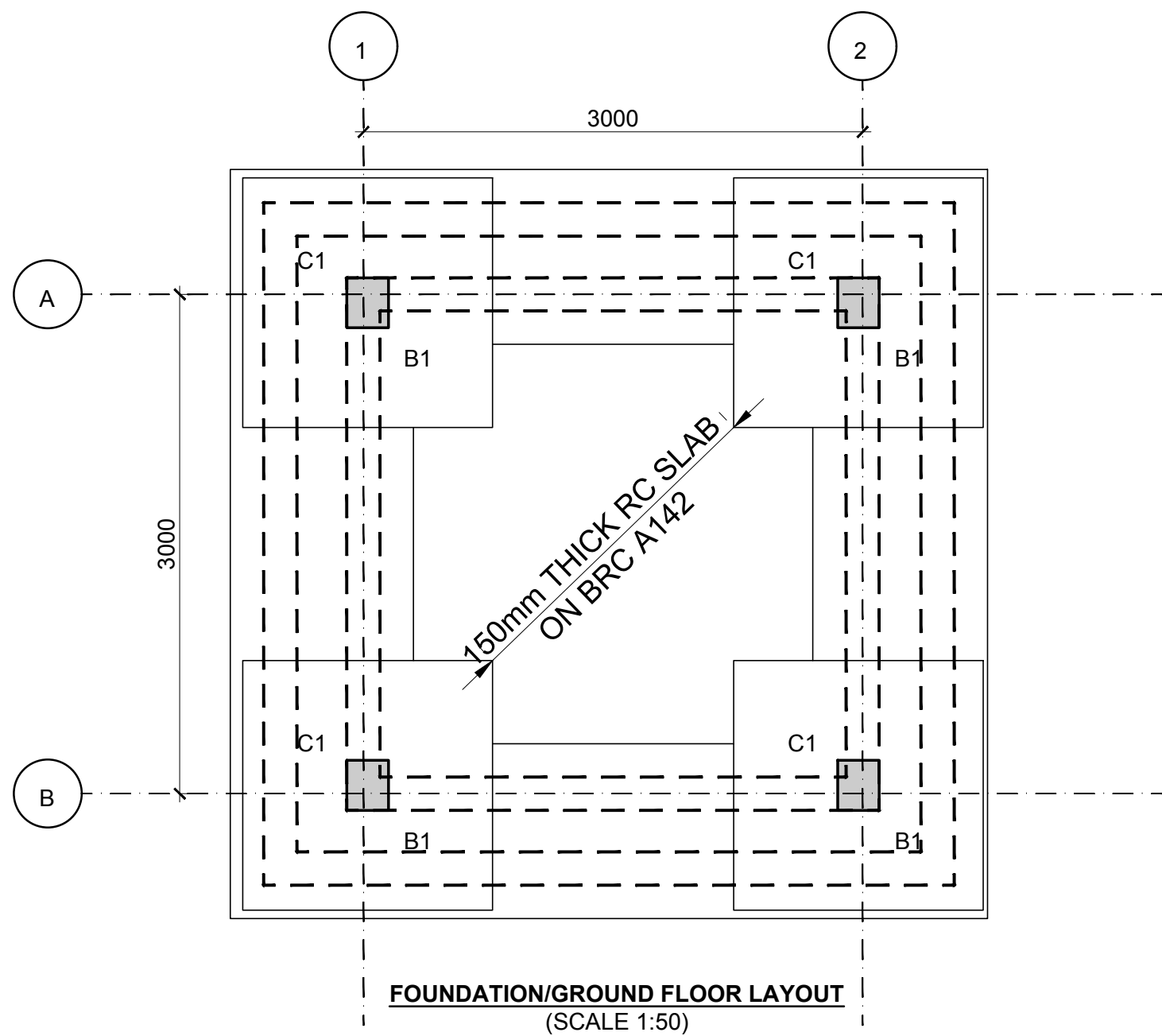
1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.
2. All dimensions are in millimetres unless specified otherwise.
3. All levels are indicated in m unless specified otherwise.
4. Minimum cover to all reinforcement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

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

8. Safe Bearing Pressure taken to be 250 KN/m².
9. Nominal aggregate size to be 20mm.
10. Structural concrete to be Class 25 unless stated otherwise.
11. Concrete blinding to be Class 15 unless stated otherwise.
12. Masonry Strength to be 7.0 N/mm².

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

DRAWING NO. 05-002-017



CONSULTANT:-
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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 OFFICE AND
RELATED INFRASTRUCTURE, KILIFI COUNTY.**

DRAWING TITLE:-
PROPOSED PUMP ROOM - STRUCTURAL DETAIL

NOTES

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

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

- 8. Safe Bearing Pressure taken to be 250 KN/m².
- 9. Nominal aggregate size to be 20mm.
- 10. Structural concrete to be class 25 unless stated otherwise.
- 11. Concrete blinding to be class 15 unless stated otherwise.
- 12. Masonry Strength to be 7.0 N/mm².

Designed by	DAN	Rev	Description	By	Date
Drawn by	DAN	D			
Checked by	HOH	C			
Scale	AS SHOWN	B			
		A			
DRAWING NO. 05-002-019					

**DRAWING TITLE: PROPOSED
CONSTRUCTION OF OFFICE &**

DRAWING NUMBER: 05-003E- 001

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	ELECTRICAL ENGINEERING DRAWINGS				
1	LIST OF DRAWINGS	05- 003E- 001	A3	PDF/ EXCEL	Provided
2	LIGHTING & POWER SYSTEM GENERAL NOTES	05- 003E- 002	A3	PDF/ DWG	Provided
3	ELECTRICAL SCHEDULE OF SYMBOLS	05- 003E- 003	A3	PDF/ DWG	Provided
4	GROUND FLOOR LIGHTING LAYOUT	05- 003E- 004	A2	PDF/ DWG	Provided
5	GROUND FLOOR POWER LAYOUT	05- 003E- 005	A2	PDF/ DWG	Provided
6	GROUND FLOOR FIRE ALARM LAYOUT	05- 003E- 006	A2	PDF/ DWG	Provided
7	GROUND FLOOR CCTV LAYOUT	05- 003E- 007	A2	PDF/ DWG	Provided
8	GROUND FLOOR FANS LAYOUT	05- 003E- 008	A2	PDF/ DWG	Provided
9	GROUND FLOOR SCHEMATICS	05- 003E- 009	A2	PDF/ DWG	Provided
10	FIRST FLOOR LIGHTING LAYOUT	05- 003E- 010	A2	PDF/ DWG	Provided
11	FIRST FLOOR POWER LAYOUT	05- 003E- 011	A2	PDF/ DWG	Provided
12	FIRST FLOOR FIRE ALARM LAYOUT	05- 003E- 012	A2	PDF/ DWG	Provided
13	FIRST FLOOR CCTV LAYOUT	05- 003E- 013	A2	PDF/ DWG	Provided
14	FIRST FLOOR FANS LAYOUT	05- 003E- 014	A2	PDF/ DWG	Provided
15	FIRST FLOOR SCHEMATICS	05- 003E- 015	A2	PDF/ DWG	Provided
16	ROOF FLOOR LIGHTING LAYOUT	05- 003E- 016	A2	PDF/ DWG	Provided
17	ROOF FLOOR POWER LAYOUT	05- 003E- 017	A2	PDF/ DWG	Provided
18	ROOF SLAB LIGHTNING ARRESTORS LAYOUT	05- 003E- 018	A2	PDF/ DWG	Provided
19	GATE HOUSE ELECTRICAL LAYOUT	05- 003E- 019	A2	PDF/ DWG	Provided
20	GATE HOUSE SCHEMATIC	05- 003E- 020	A2	PDF/ DWG	Provided
21	SITE PLAN STREET LIGHTING LAYOUT	05- 003E- 021	A2	PDF/ DWG	Provided
22	STREET LIGHTING DETAIL	05- 003E- 022	A2	PDF/ DWG	Provided
23	EARTHING & LIGHTNING PROTECTION DETAIL	05- 003E- 023	A2	PDF/ DWG	Provided
24	SOLAR SCHEMATIC	05- 003E- 024	A2	PDF/ DWG	Provided
25	SOCKET & SWITCHES DETAIL	05- 003E- 025	A2	PDF/ DWG	Provided
26	CONDUIT SUPPORT DETAIL	05- 003E- 026	A2	PDF/ DWG	Provided
27	CABLE TRAY DEATIL	05- 003E- 027	A2	PDF/ DWG	Provided
28	MAIN SCHEMATIC	05- 003E- 028	A2	PDF/ DWG	Provided
29	PUMP HOUSE ELECTRICAL LAYOUT	05- 003E- 029	A2	PDF/ DWG	Provided
30	PUMP HOUSE SCHEMATIC	05- 003E- 030	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 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 POSTIONS 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 LUSE WITH KPLC 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 KPLC 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-STRINKING.
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 CONSULTANT'S 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 SAND/DAG 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/SWU/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 WATERPROOF 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 ARMOURD 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 LIGHTING 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, HOD LAMPS, ETC.) SHALL HAVE TYPE 'C' 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 ALUMINIUM 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 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 OF TRUNKING INTENDED FOR NORMAL CIRCUITS AS PER IEE 364 WIRING REGULATION. ALL CABLES AND WIRES FOR LIFE SAFETY AND ESSENTIAL CIRCUIT SHALL BE OF 24HS 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 D.C. 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 LUSE WITH ETV 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 LUX 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 APPROXIMATE ONLY. THE CONTRACTOR SHALL PROVIDE THE PROPOSED ROUTING OF THE MAIN CABLE SHALL. 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 MATRY. ALL DEVICES, INTERFAC, 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 MCB'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 MCCB/ACB's 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. MCCB's/MCB's 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 CIR SHALL BE OF CLASS COMPLYING TO DEWA REQUIREMENT OR BETTER.
5. ALL METERING CIR 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, 1453 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 DEBATING 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 BASED ON THE CHARACTERISTICS OF THE EQUIPMENT OFFERED AND THE ACTUAL CABLES AND THEREAFTER SELECT THE MOST APPROPRIATE RATING APPROVAL OF THE ACTUAL CABLES AND THEREAFTER SELECT THE MOST APPROPRIATE RATING APPROVAL OF THE 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. IDMT, 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 BUTON RIGHT NEXT TO THE EQUIPMENT.
19. UNLESS OTHERWISE INDICATED, THE MCCB's/MCB's 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 DETAILED IN ALL ROOMS AS MUCH AS POSSIBLE.
 3. ALL WATERSUPPLY 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 ETV 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 EC 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 LUSE WITH MAIN CONTRACTOR FOR INSTALLATION OF EARTH ELECTRODE PITS. WATER PROOFING FOR ELECTRODES THROUGH R.C SLAB SHALL BE PROVIDED UNDER HIS CONTROL.
 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 INSTALLATION OF THE EARTH POINT.
2. EARTH RESISTIVITY TEST SHALL BE CARRIED AT EACH EARTHING POINT.
3. ALL TIE/CABLES/CLAMP CONTACT SURFACE SHALL BE HEAVILY TINED PRIOR TO CONNECTION.
4. PRELIMINARY MEASURES SHALL BE TAKEN SO AS NOT TO OVER EXHAUSTE THE EARTHING PIT.
5. PROPERLY WORN AND WED CONNECTION SHALL BE EMPLOYED FOR CONNECTING EARTH CABLE TO EARTHING POINT STRUCTURE 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 ANCILARY PRODUCTS

1. ALL CABLES / WIRES FOR FINAL SUB-CIRCUIT WIRINGS SHALL BE PVC, MULTI-STRAND COPPER CONDUCTORS. 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 SERVICES. EXPOSED CONDUIT/ WIRE SHALL NOT BE ACCEPTED.
3. SEPARATE CONDUIT/MULTI-GANG SWITCH BOX SHALL BE PROVIDED FOR FINAL SUB-CIRCUIT OF DIFFERENT PHASES, 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-JUNG 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 LOOPE 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 UNDERLOOR JUNCTION BOXES.
10. THE SIZES OF CABLE TRAY/TRUNKING/CONDUIT AS SHOWN IN DRAWINGS ARE APPROXIMATE ONLY. ELECTRICAL SUB-CONTRACTOR IS REQUIRED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY ADJUSTMENT TO ACCOMMODATE THE SIZES AND SHALL SUBMIT ALL DETAILED CO-ORDINATED CABLE CONDUIT/TRUNKING/TRAY LAYOUTS TO THE SUPERVISING CONSULTANT FOR REVIEW AND APPROVAL. THE SIZES OF CABLE TRAY/TRUNKING/CONDUIT SHALL BE BASED ON THE SECTION DRAWINGS TO THE SUPERVISING CONSULTANT FOR CLEARANCE PRIOR TO STARTING WORK ON SITE.
11. ALL UNDERGROUND CABLES CROSSING DRIVEWAYS OR HARDSCAPE 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 / SWU / LS9H FOR NORMAL CIRCUIT AND XLPE / SWU / FR FOR EMERGENCY CIRCUITS.

LUMINAIRES

1. ALL LIGHTING SWITCHES SHALL COMPLY WITH CLOSE 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 EXT 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 - 1400mm TO CENTRELINE
SWITCH SOCKET OUTLETS - 1000mm TO CENTRELINE
DISTRIBUTION BOARDS - GENERALLY 1800mm TO TOP OF BOARD
WALL/COLUMN LIGHTS - 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 BE RESPONSIBLE FOR THE 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 LAMP OR AS OTHERWISE SHOWN ON PLAN.

TENDER ISSUE

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REVISIONS:

REV. No.	Details of Revision
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PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE
- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

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DRAWING TITLE:

ELECTRICAL DRAWINGS
NOTES

Dwg. No. **05-003E-002**



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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 required MCBs and Blanking plates
	SPN Consumer Unit complete with 100A SPN integral isolator and all accessories including lockable cover with the required MCBs 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
	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 Data
	400mm Wide Cable Tray for Power
	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, 2/3 colourful imaging, Efficient Compression Technology Bullet CCTV Camera
	IP 67- Water & Dust Resistant, 4MP, Excellent low-light performance, 2/3 colourful imaging, Efficient Compression Technology DOME CCTV Camera
	Type '4U' 34W 1200mm High performance LED UV IP65, dust and moisture resistant luminaria

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<p>PROJECT TITLE:</p> <p>PROPOSED CONSTRUCTION OF OFFICE & RELATED INFRASTRUCTURE - KILIFI</p>													
<p>CLIENT:</p> <p>STATE DEPARTMENT FOR FISHERIES AQUACULTURE & THE BLUE ECONOMY</p>													
<p>CLIENT'S SIGNATURE:</p> <p>Sign: _____</p>													
<p>DRAWING TITLE:</p> <p>SCHEDULE OF SYMBOLS AND LIGHTING LUMINAIRES</p>													
<p>Dwg. No. 05- 003E- 003</p>													
<p>Scale: NTS</p>													
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PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:
GROUND FLOOR LIGHTING
LAYOUT

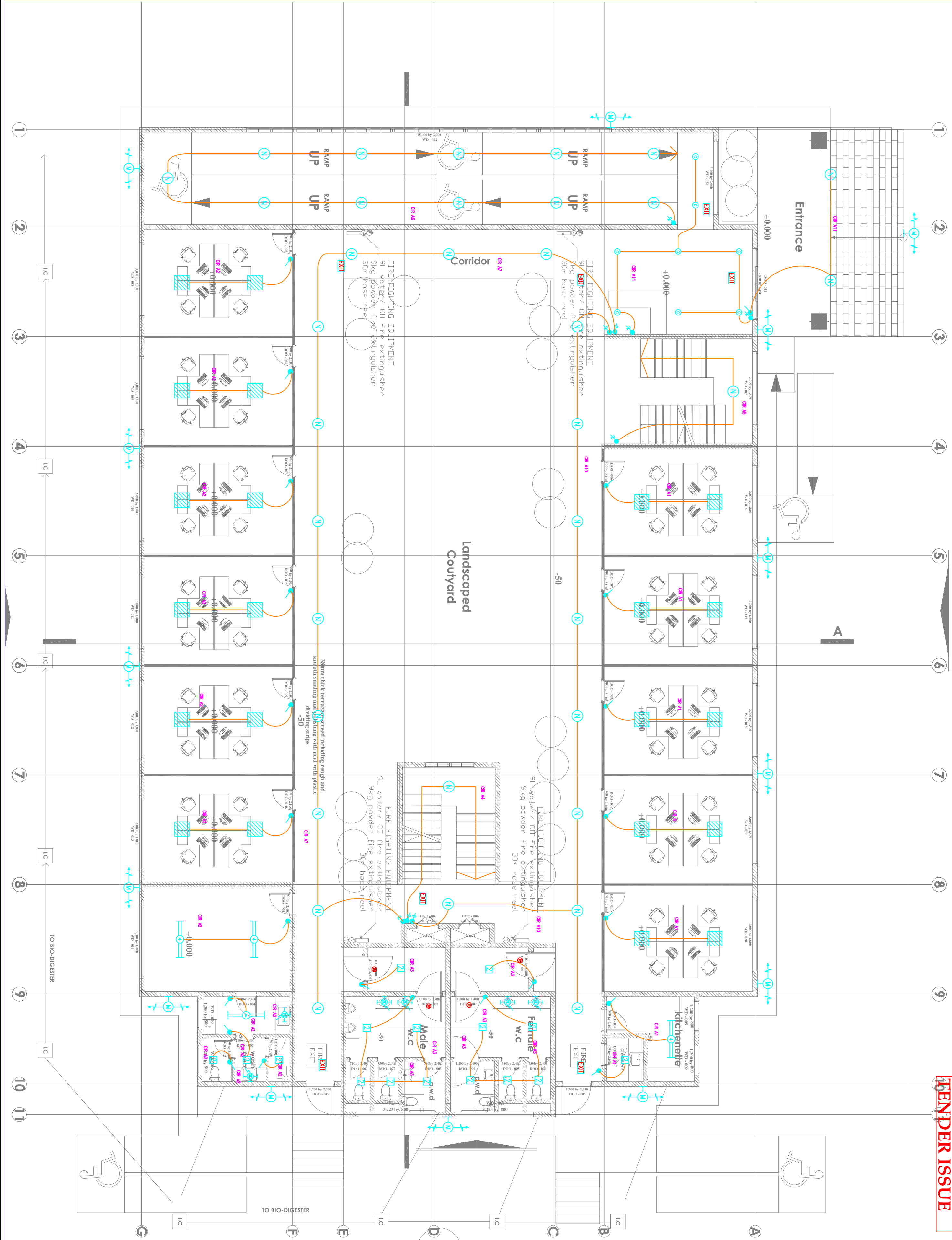
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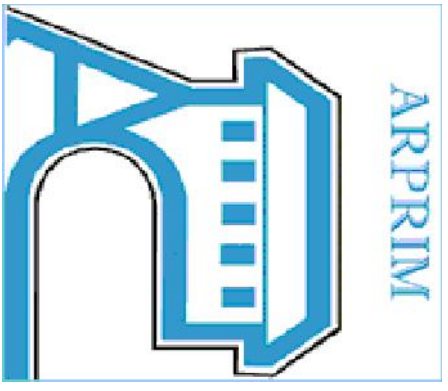
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AQUACULTURE & THE BLUE
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GROUND FLOOR POWER
LAYOUT

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DRAWING TITLE:
**GROUND FLOOR FIRE
ALARM LAYOUT**

Dwg. No. **05- 003E- 006**

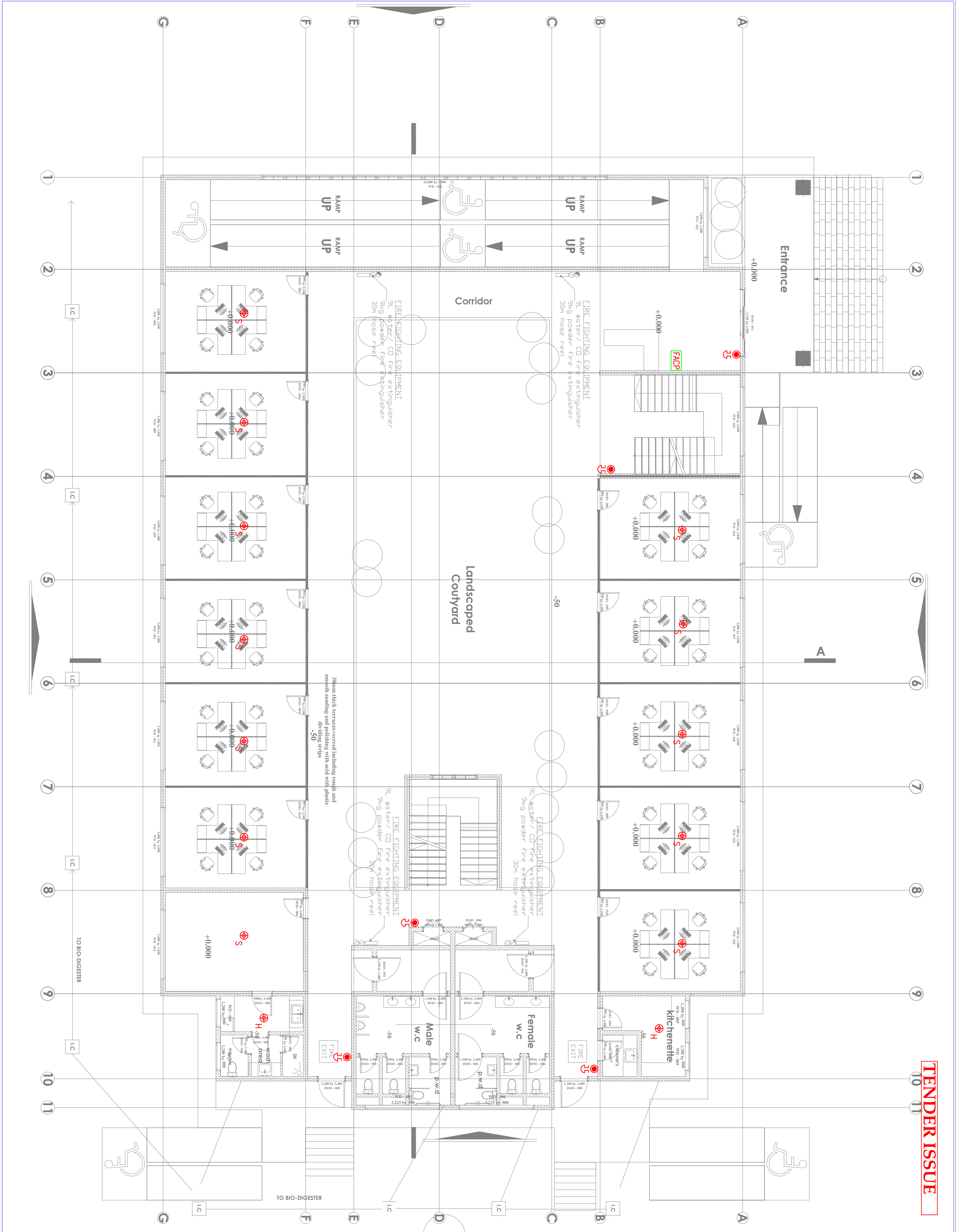
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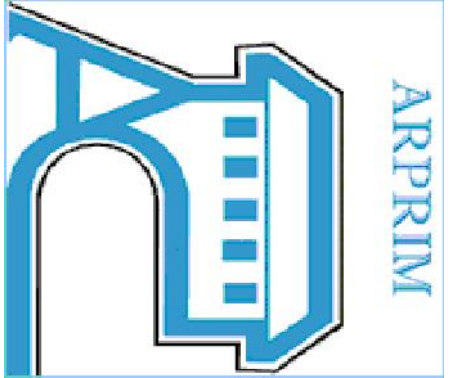
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PROJECT TITLE:

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AQUACULTURE & THE BLUE
ECONOMY

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DRAWING TITLE:
GROUND FLOOR CCTV
LAYOUT

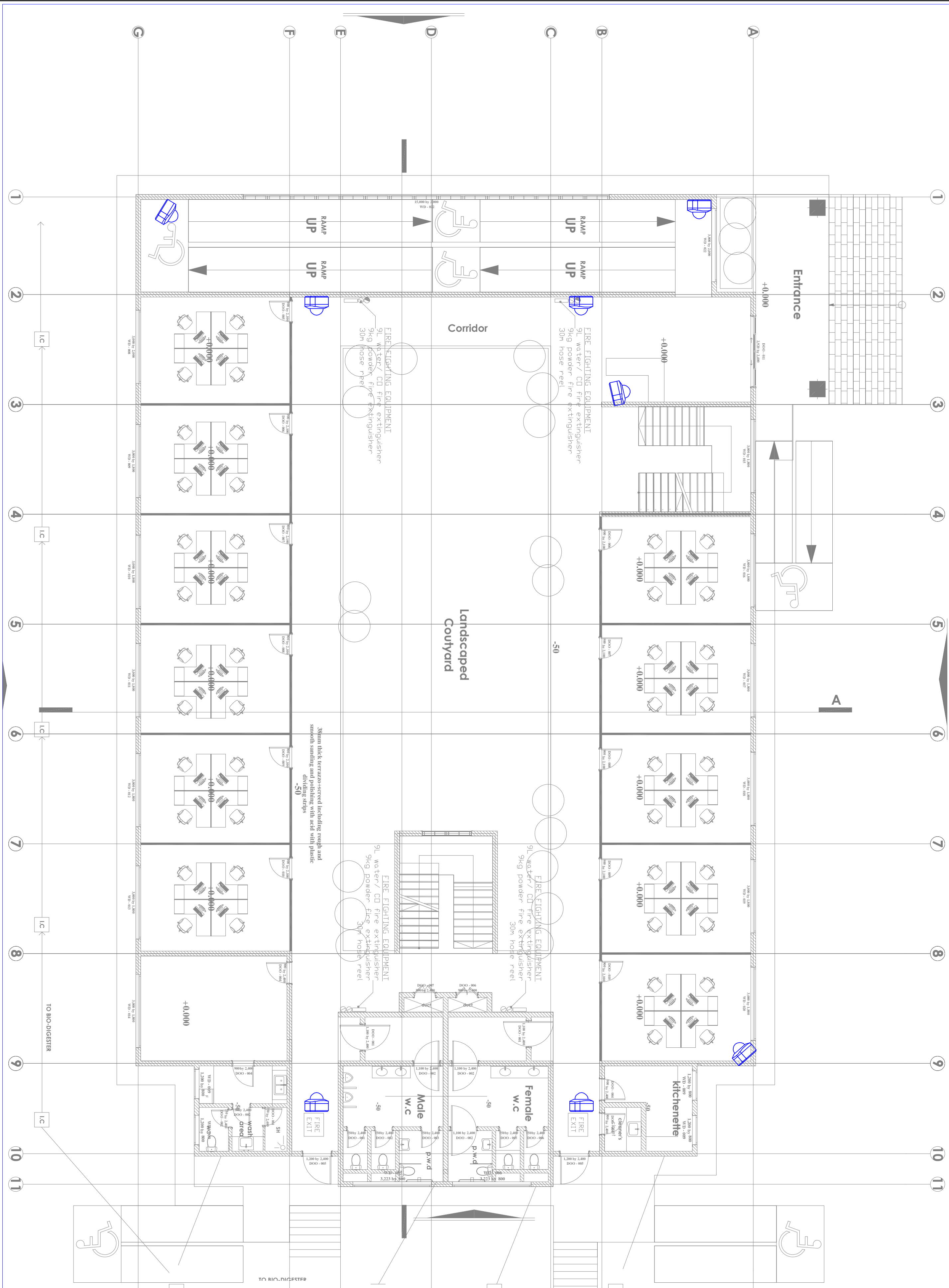
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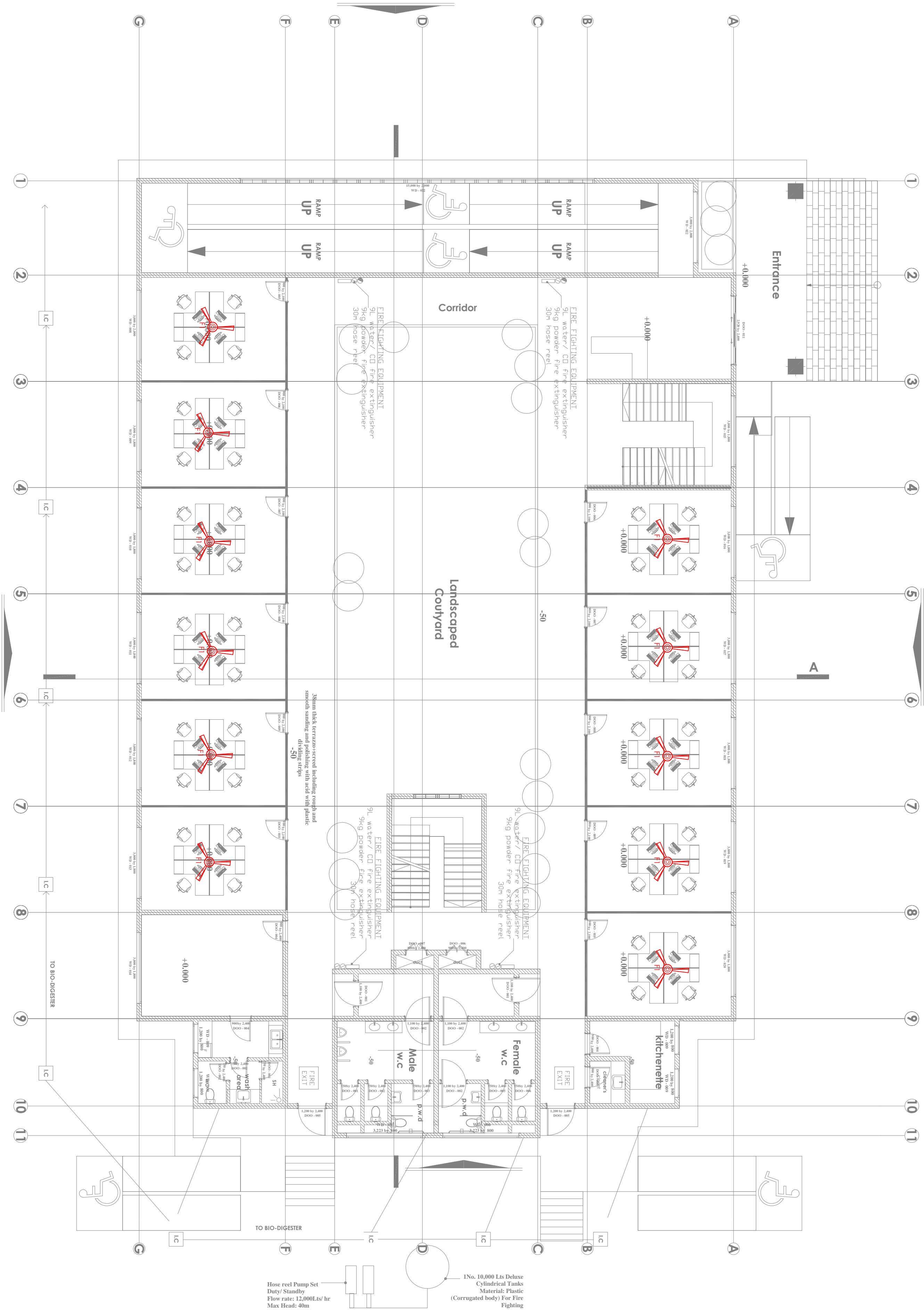
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GROUND FLOOR FANS
LAYOUT

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PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

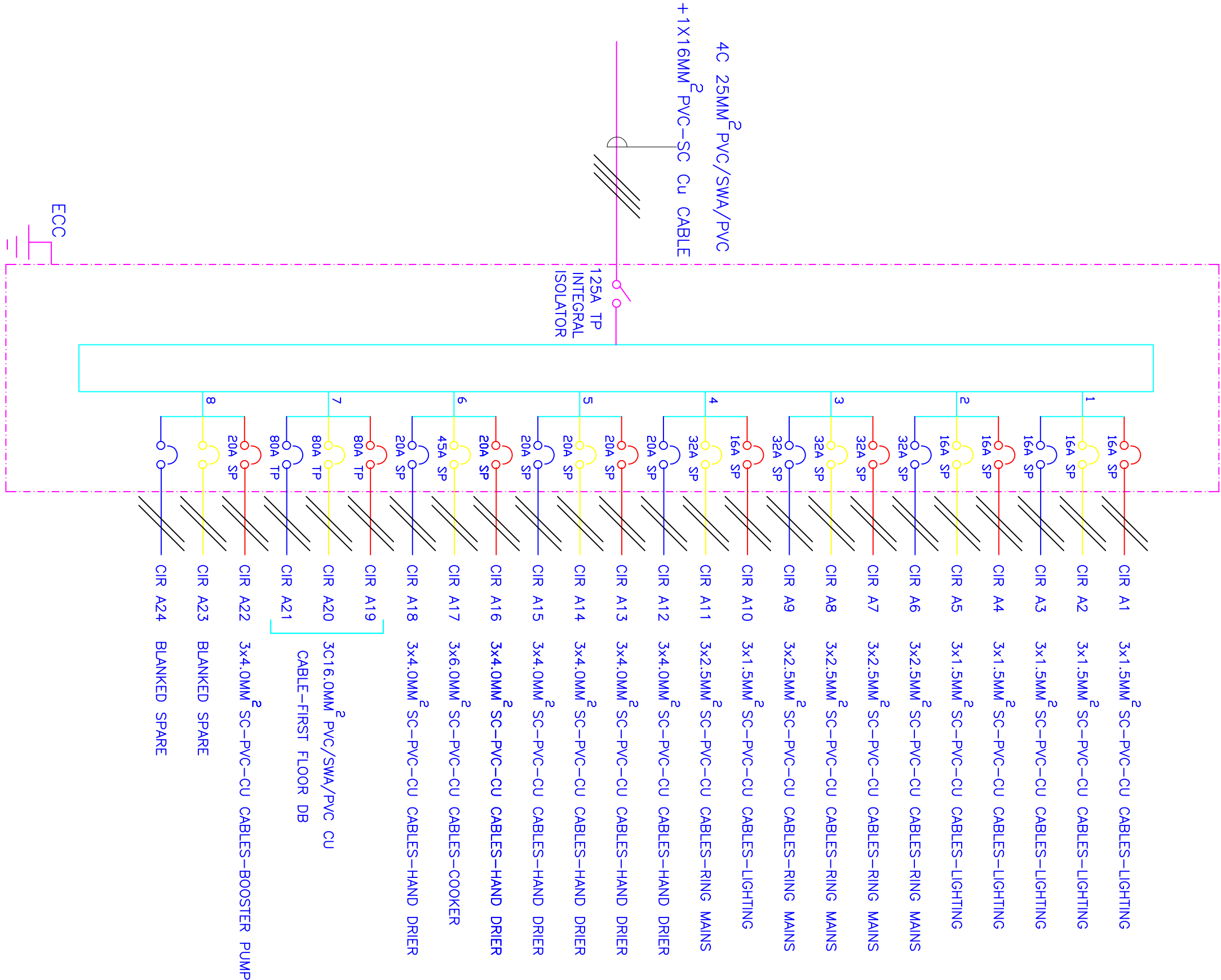
STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
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DRAWING TITLE:
GROUND FLOOR
SCHEMATIC

Dwg. No.	05-003E-009		
Scale:	NTS		
Drawn by		Check'd By	
Project no.:		Date:	24.11.2023
05			



8- WAY 125A TPN DISTRIBUTION BOARD 'A' FOR
RAW POWER DISTRIBUTION ON GROUND FLOOR



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

NOTES

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3. DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCY BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS, BE REVERSED TO THIS DRAWING AND ANY ASSOCIATED ATTENTION OF THE LIAISON SERVICES CONSULTANT IMMEDIATELY.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY SERVICES, ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Signt:

DRAWING TITLE:
FIRST FLOOR LIGHTING
LAYOUT

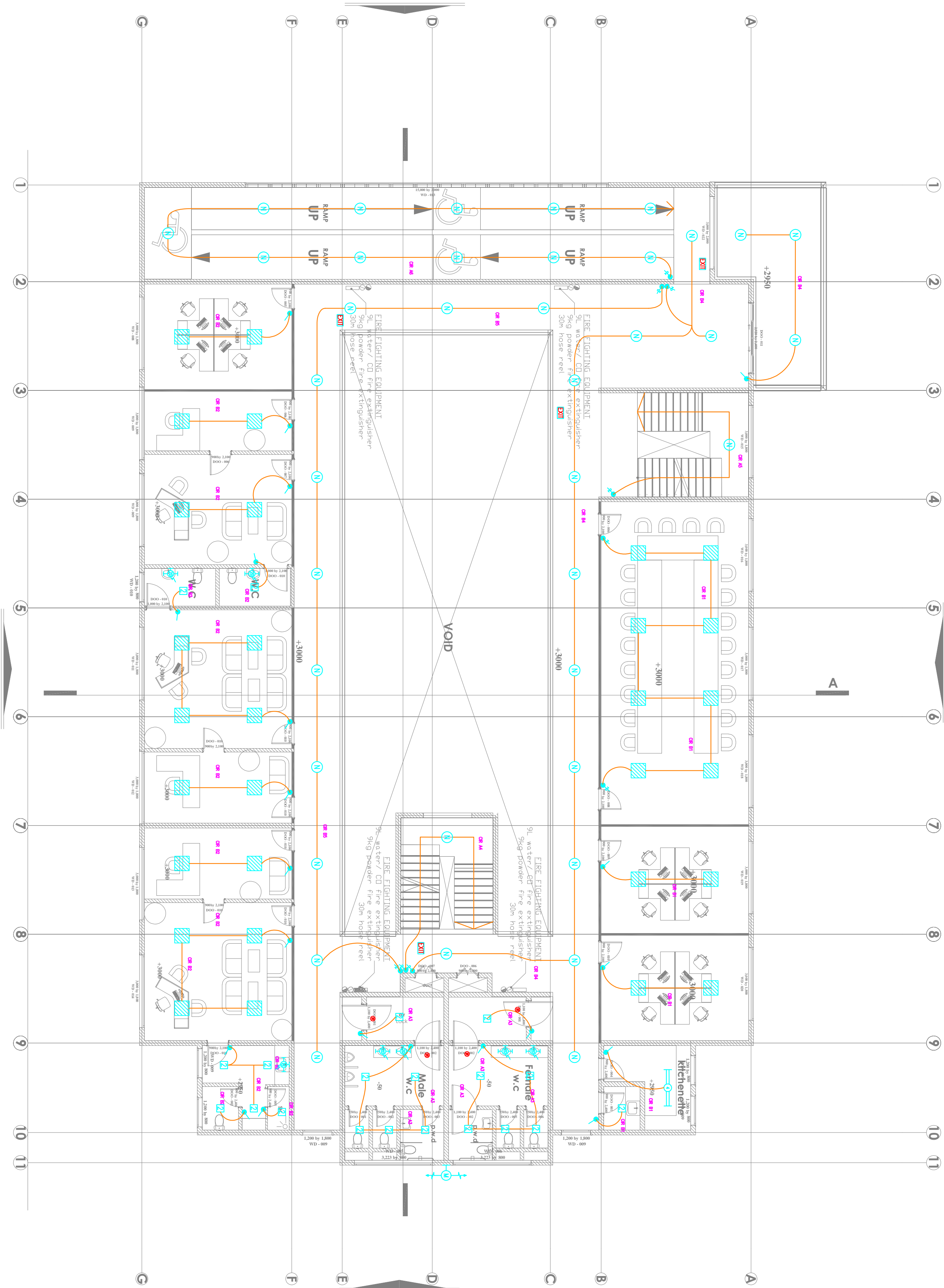
Dwg. No. 05-003E-010

Scale: NTS

Drawn by Checkd By

Project no.: Date:

05 24.11.2023



TENDER ISSUE



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NAIROBI, KENYA.

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3. DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION OR THE ARCHITECT'S SERVICES SHALL BE TERMINATED.
4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PERFORMED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE PROJECT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE PROJECT ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
FIRST FLOOR POWER
LAYOUT

Dwg. No. 05-003E-011

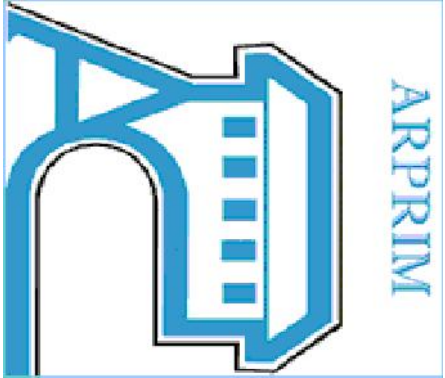
Scale: NTS

Drawn by Check'd By

Project no.: Date:

05 24.11.2023





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NAIROBI, KENYA.

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- DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- ALL DIMENSIONS OF THE STATED ALL SERVICES ARE IN MILLIMETERS.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES PROVIDED AND THE FINAL CO-ORDINATION OF THE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- REVIEW THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES;
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
FIRST FLOOR FIRE ALARM
LAYOUT

Dwg. No. 05- 003E- 012

Scale: NTS

Drawn by Check'd By

Project no.: Date:

05 24.11.2023



TENDER ISSUE



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NAIROBI, KENYA.

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3. DO NOT SCALE FROM THIS DRAWING.
4. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR REPERFORATED.
5. DIMENSIONS SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
6. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
7. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
8. 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
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FIRST FLOOR CCTV LAYOUT

Dwg. No. 05-003E- 013

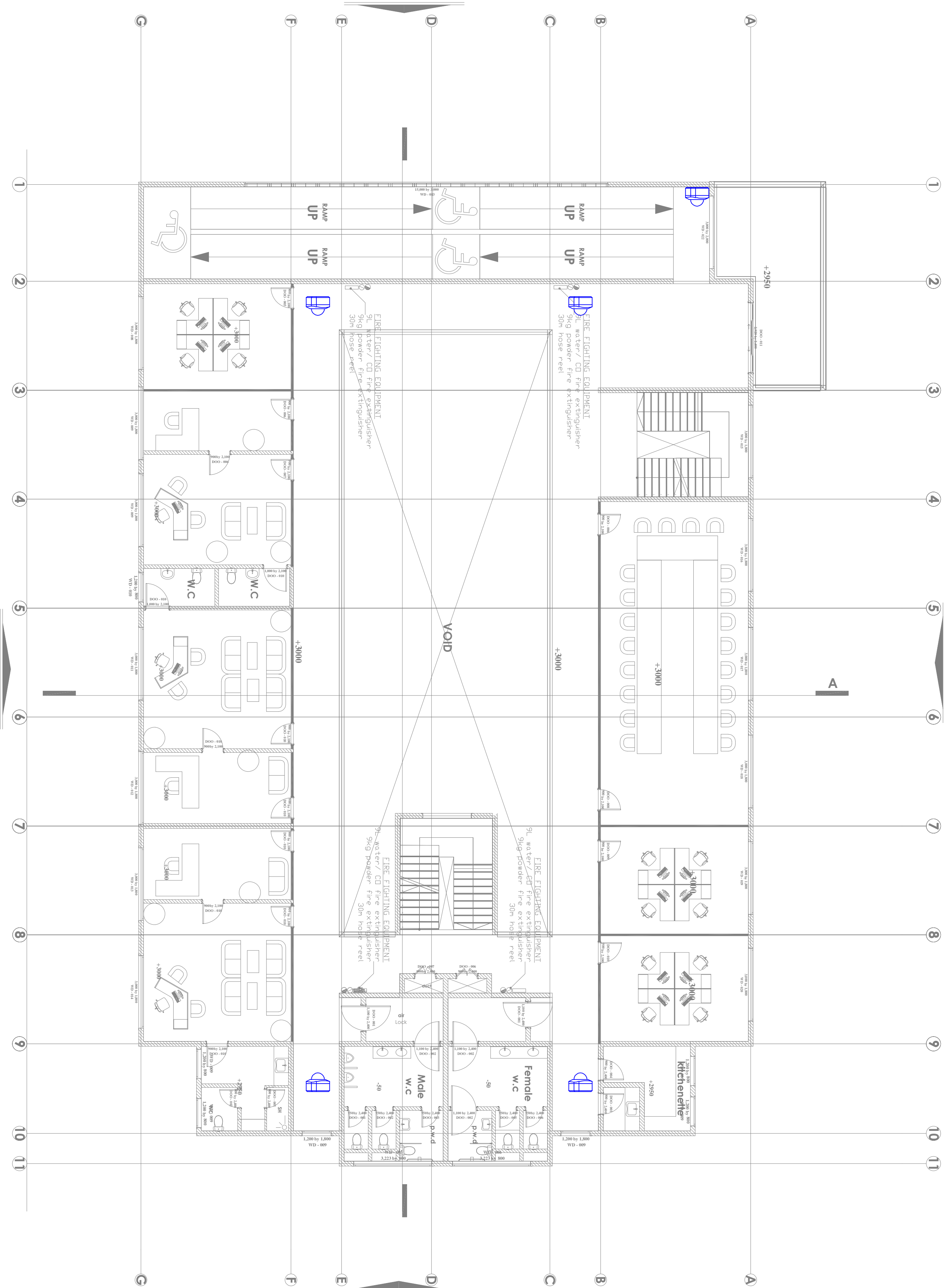
Scale: NTS

Drawn by: Check'd By:

Project no.: Date:

05

24.11.2023





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

NOTES

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3. DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS, SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THE DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES REQUIRED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. BEFORE THE PROJECT BEGINS, THE CONTRACTOR SHALL BE ASKED TO ENTER THE PROJECT AND THE CONTRACTOR SHALL BE ASKED TO ENTER THE PROJECT AND THE CONTRACTOR SHALL BE ASKED TO ENTER THE PROJECT.
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
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIE;
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FIRST FLOOR FANS LAYOUT

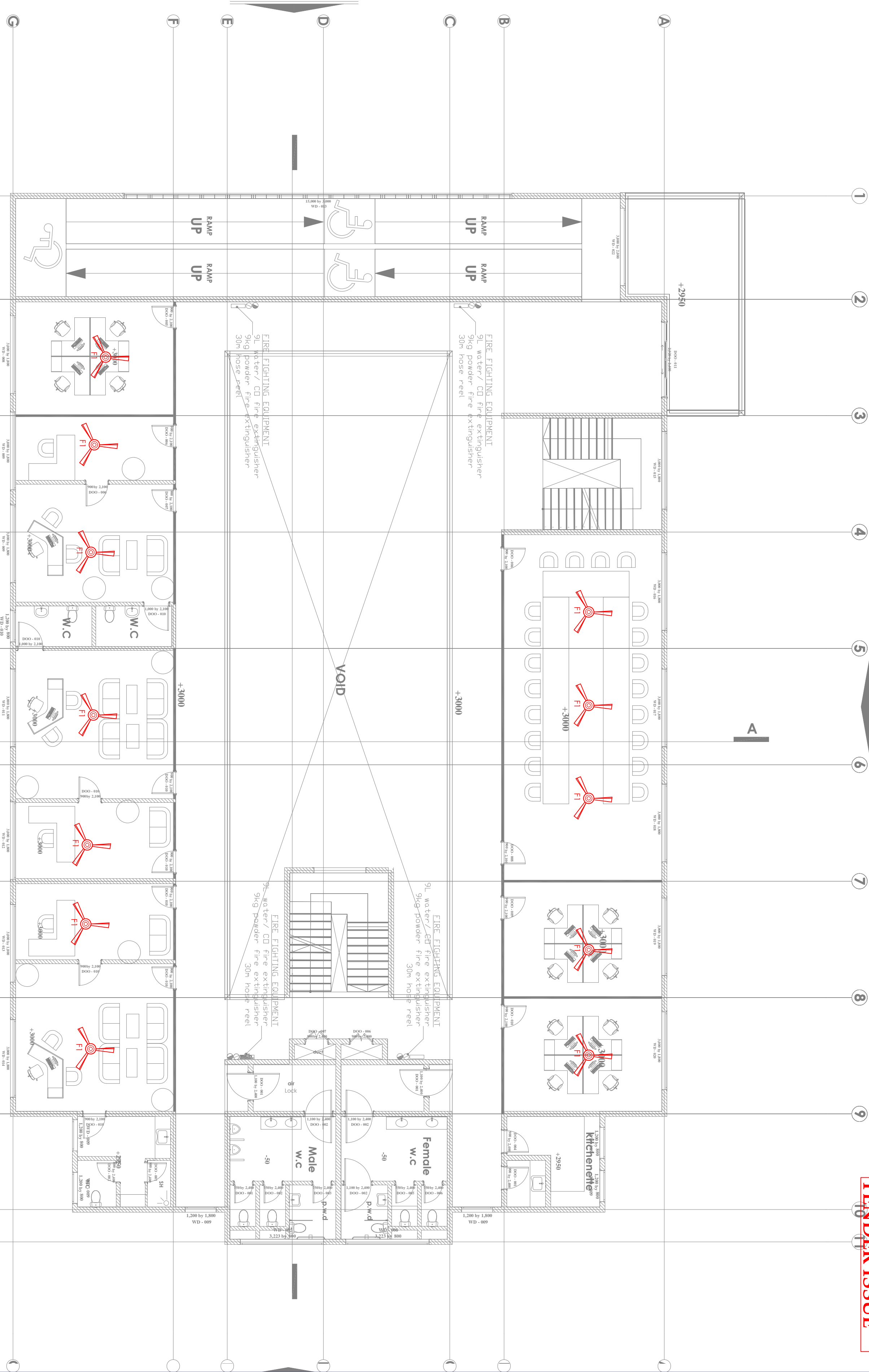
Dwg. No. 05- 003E- 014

Scale: NTS

Drawn by Checked By

Project no.: Date:

05 24.11.2023



TENDER ISSUE

TENDER ISSUE



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NAIROBI, KENYA.

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- DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SCHEDULES, THE DRAWING SHALL BE DEEMED TO PREVAIL. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY, UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL COORDINATION OF THE SERVICES AND THE SEQUENCING OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL COORDINATION OF THE SERVICES AND THE SEQUENCING OF THE WORK.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

FIRST FLOOR SCHEMATIC

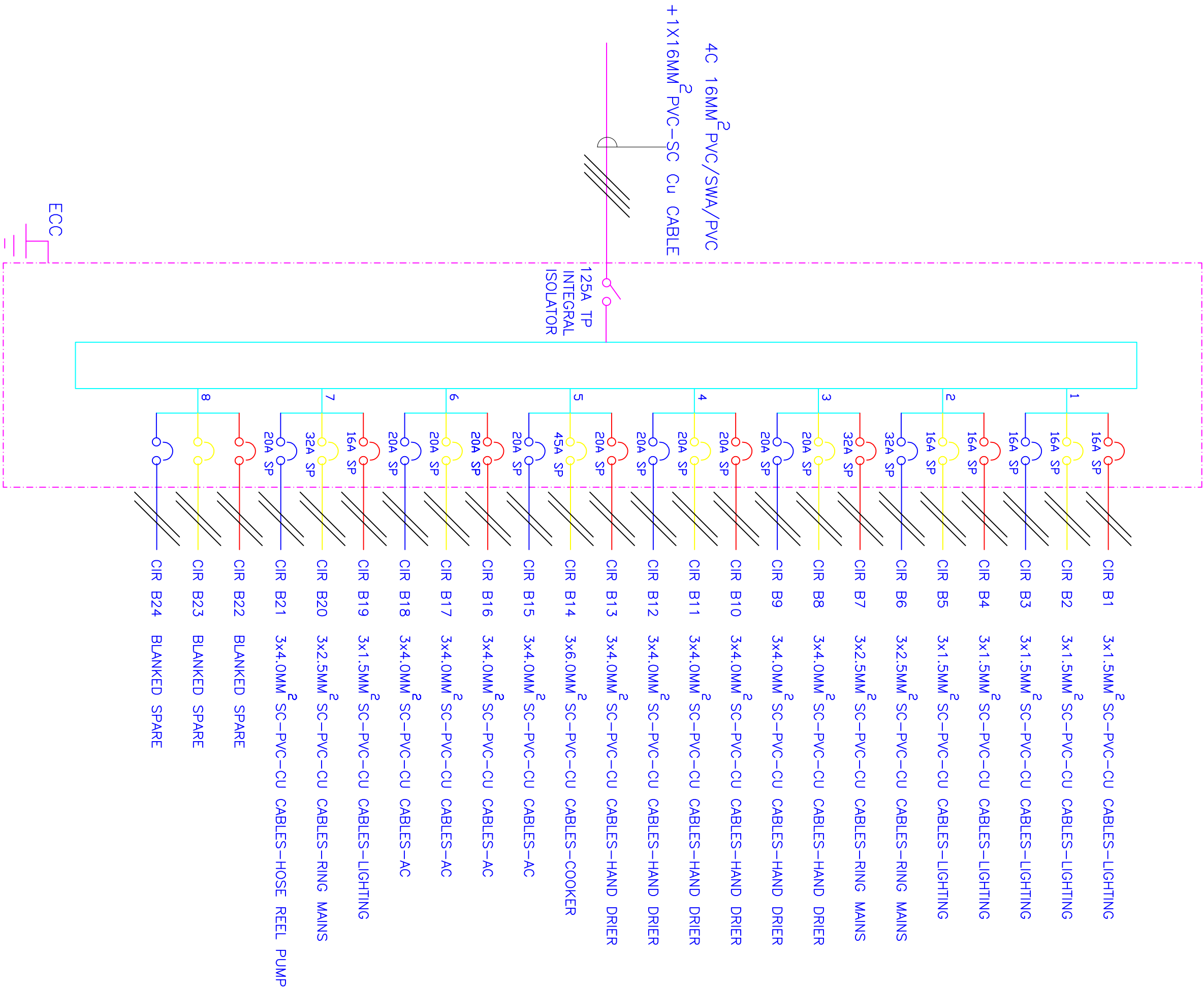
Dwg. No.	05-003E-015
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Scale:	NTS
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Drawn by		Check'd By	
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Project no.:	Date:
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05	24.11.2023
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8- WAY 100A TPN DISTRIBUTION BOARD 'B' FOR
RAW POWER DISTRIBUTION ON FIRST FLOOR



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

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- ALL DIMENSIONS SHOULD ALL DIMENSIONS ARE IN MILLIMETERS.
- ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARATION.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARATION.
- THE PROJECT WORKS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

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:

DRAWING TITLE:

ROOF FLOOR LIGHTING
LAYOUT

Dwg. No. **05-003E-016**

Scale: NTS

Drawn by Check'd By

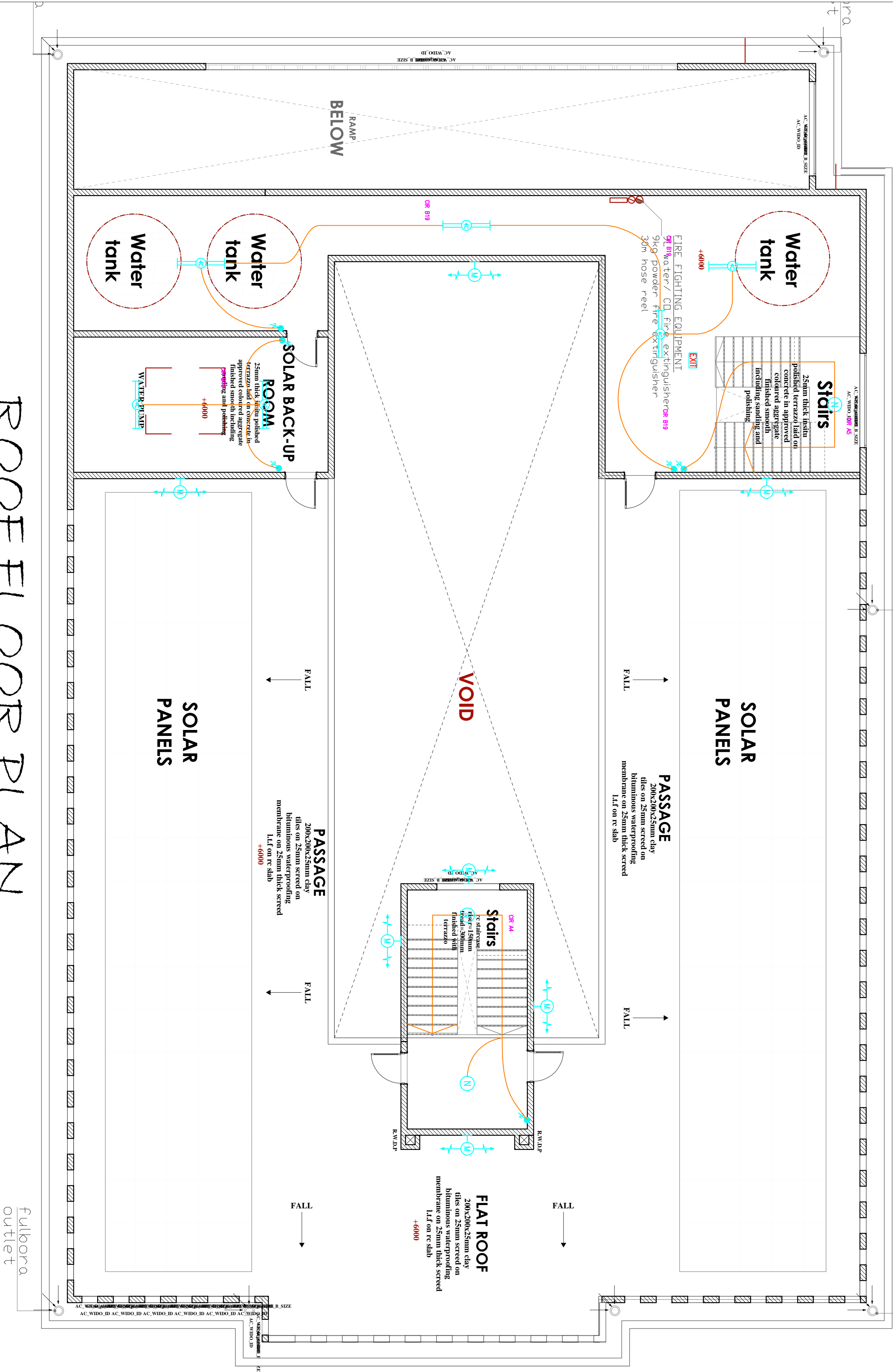
Project no.: Date:

05 24.11.2023

TENDER ISSUE

fulbora
outlet

fulbora
outlet



ROOF FLOOR PLAN
LIGHTING LAYOUT

fulbora
outlet

TENDER ISSUE



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

NOTES

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- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
- THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE CHECKED BY THE BUILDING SERVICES CONSULTANT.
- BEFORE THE WORKS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

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:

DRAWING TITLE:
ROOF FLOOR POWER
LAYOUT

Dwg. No. 05-003E-017

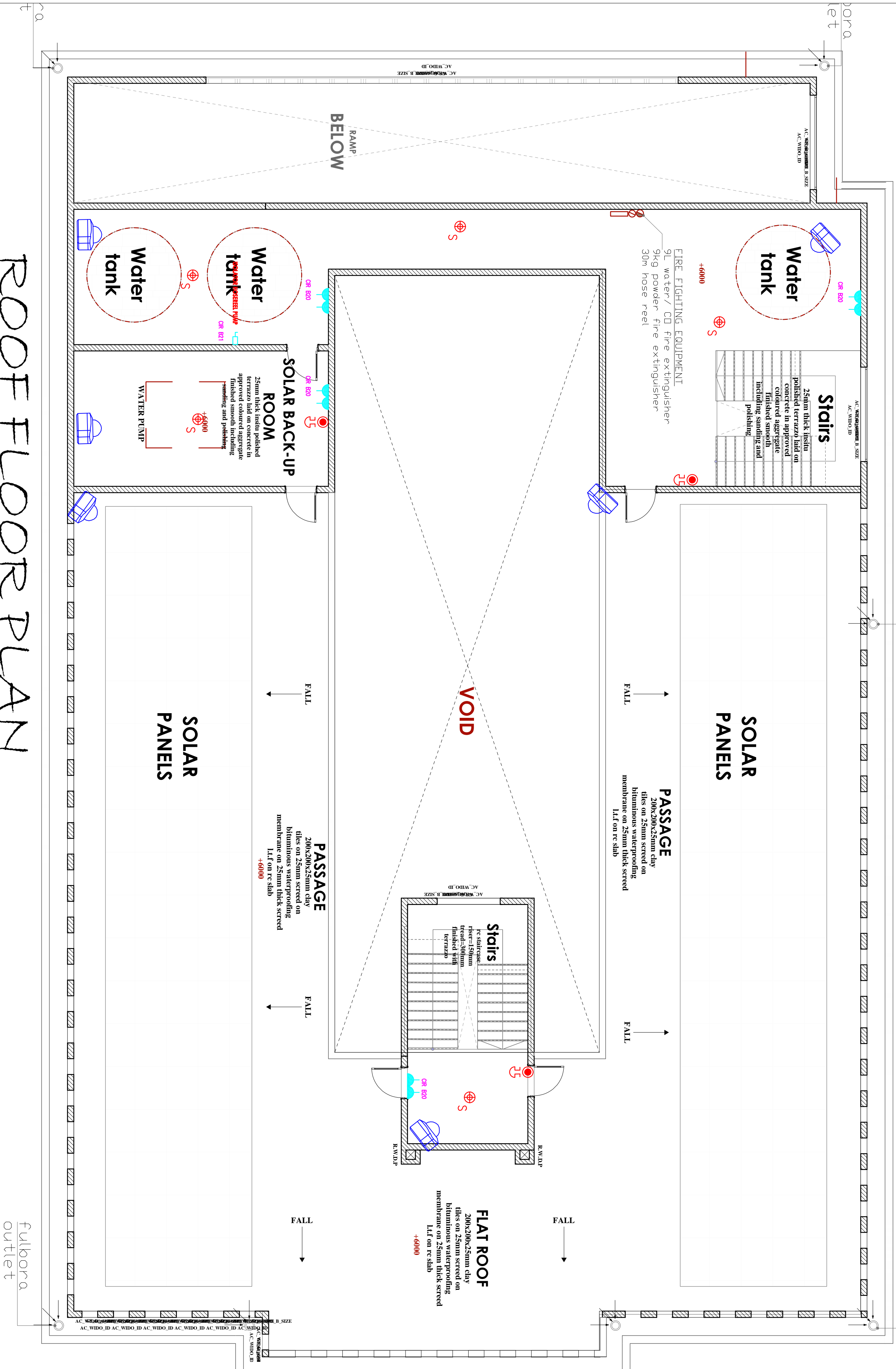
Scale: NTS

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Project no.: Date:

05 24.11.2023

ROOF FLOOR PLAN
POWER LAYOUT





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3. NO CHANGES OR ALTERATIONS ON ALL DRAWINGS AND DETAILS SHOULD BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT. ANY SUCH ALTERATIONS ARE TO BE REO WITH THE ARCHITECT'S WRITTEN APPROVAL.
4. THE ATTENTION OF THE MAKE BUILDING SERVICES CONSULTANT IMMEDIATELY UNLESS OTHERWISE STATED. ALL DIMENSIONS ARE IN MILLIMETERS.
5. DO NOT SCALE FROM THIS DRAWING.
6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREPARED.
7. THIS DRAWING SHOULD NOT BE USED FOR THE SPECIFIC SERVICES.
8. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TELL-O-ORINATION OF THE SERVICES DESCRIBED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE REO IN CONNECTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REV. No.	Details of Revision

PROPOSED CONSTRUCTION OF OFFICE & RELATED INFRASTRUCTURE

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

Sign:

DRAWING TITLE:
ROOF FLOOR LIGHTNING
ARRESTORS LAYOUT

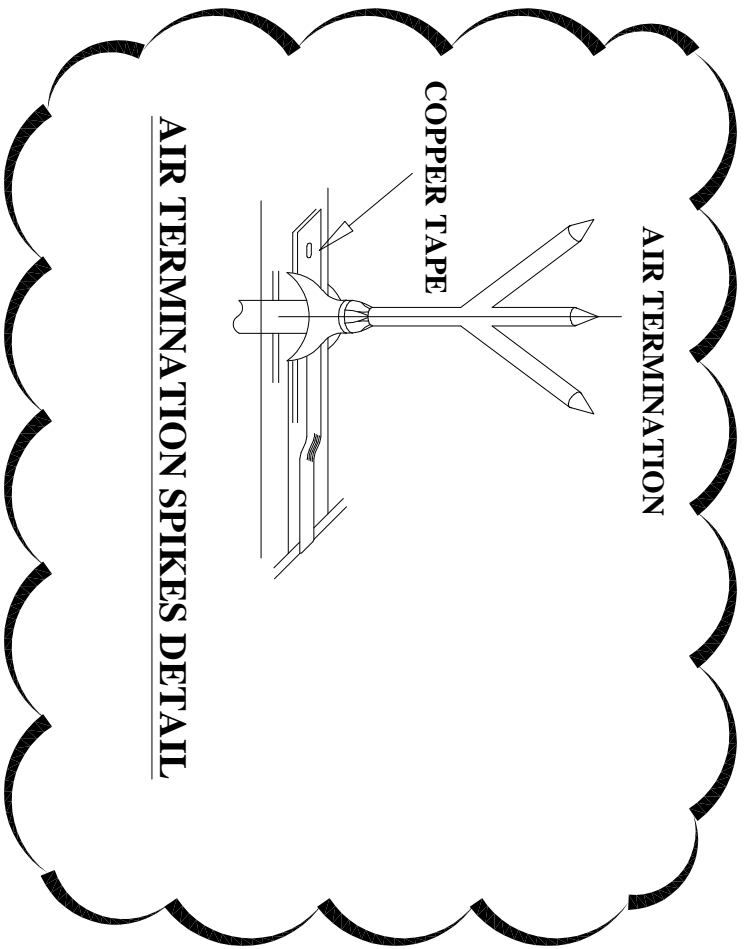
Dwg. No. 05-003E-018

Scale: NTS

Drawn by	Chek'd By
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Project no.:	Date:
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05 24.11.2023



LIGHTNING ARRESTORS



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NAIROBI, KENYA.

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4. ALL DIMENSIONS SHOULD ALL DIMENSIONS ARE IN MILLIMETRES.
5. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PERFORMED.
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7. THE DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
8. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED BY THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR THE SERVICES.
9. THE PROJECT WORKS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GATE HOUSE ELECTRICAL
LAYOUT

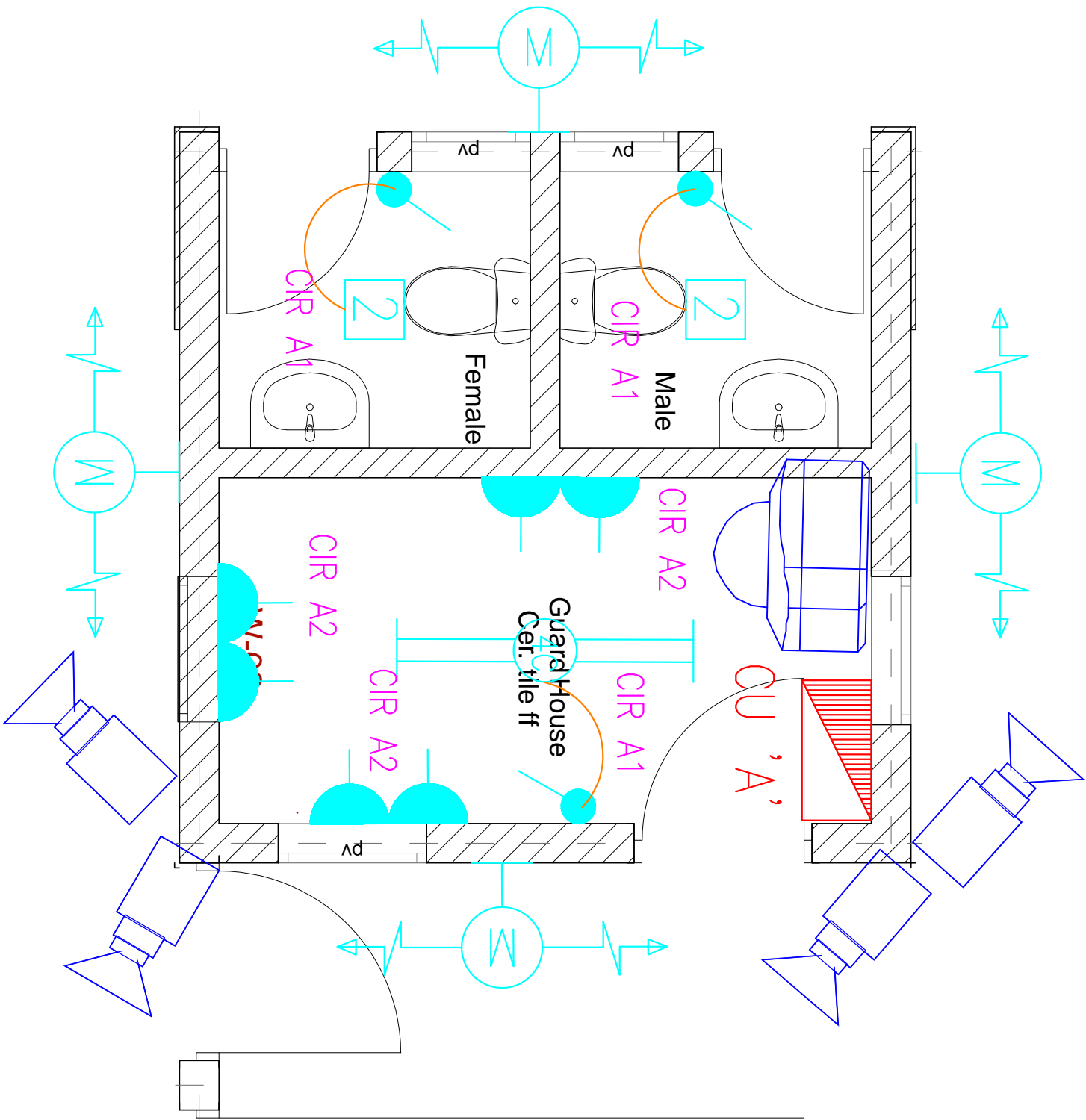
Dwg. No. 05-003E-19

Scale: NTS

Drawn by Check d By

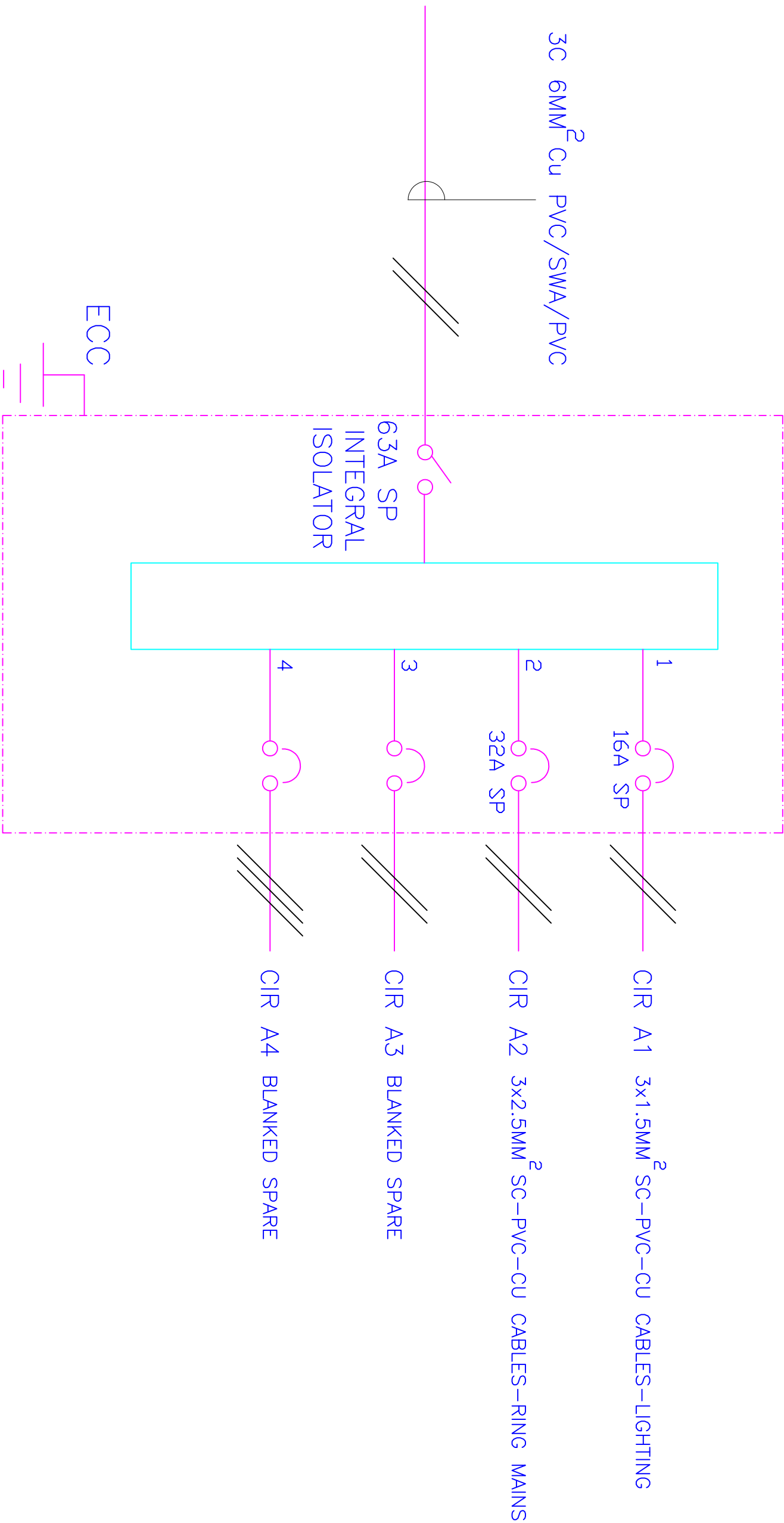
Project no.: Date:

05 29.12.2023



GATE HOUSE PLAN ELECTRICAL LAYOUT

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



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

NOTES

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3. DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR THE WORKING SERVICES CONSULTANT (MATERIAL), ATTENTION OF THE WORKING SERVICES CONSULTANT (MATERIAL).
4. ALL DIMENSIONS SHOULD ALL DIMENSIONS ARE IN MILLIMETRES.
5. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PERFORMED.
6. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
7. THE DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
8. THE ACCESS AND SETTING OUT OF SERVICES SHALL BE RATED AS PER THE RELEVANT TECHNICAL SPECIFICATIONS.
9. THE PROJECT WORKS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

GATE HOUSE SCHEMATIC

Dwg. No. **05-003F-20**

Scale: NTS

Drawn by _____ Check d By _____

Project no.: _____ Date: _____

05 29.12.2023



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

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3. DO NOT SCALE FROM THE DRAWING.
4. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR REPRODUCED.
5. THE DRAWING SHOULD NOT BE USED FOR THE SPECIFIC SERVICES INDICATED.
6. THE DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TAIL OR COMBINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS. FULL ACCESS AND SETTING OUT OF SERVICES SHALL BE ASSESSED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
7. 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 OFFICE & RELATED INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
SITE PLAN
STREET LIGHT LAYOUT

Dwg. No. 05-003E-021

Scale: NTS

Drawn by

Chek'd By

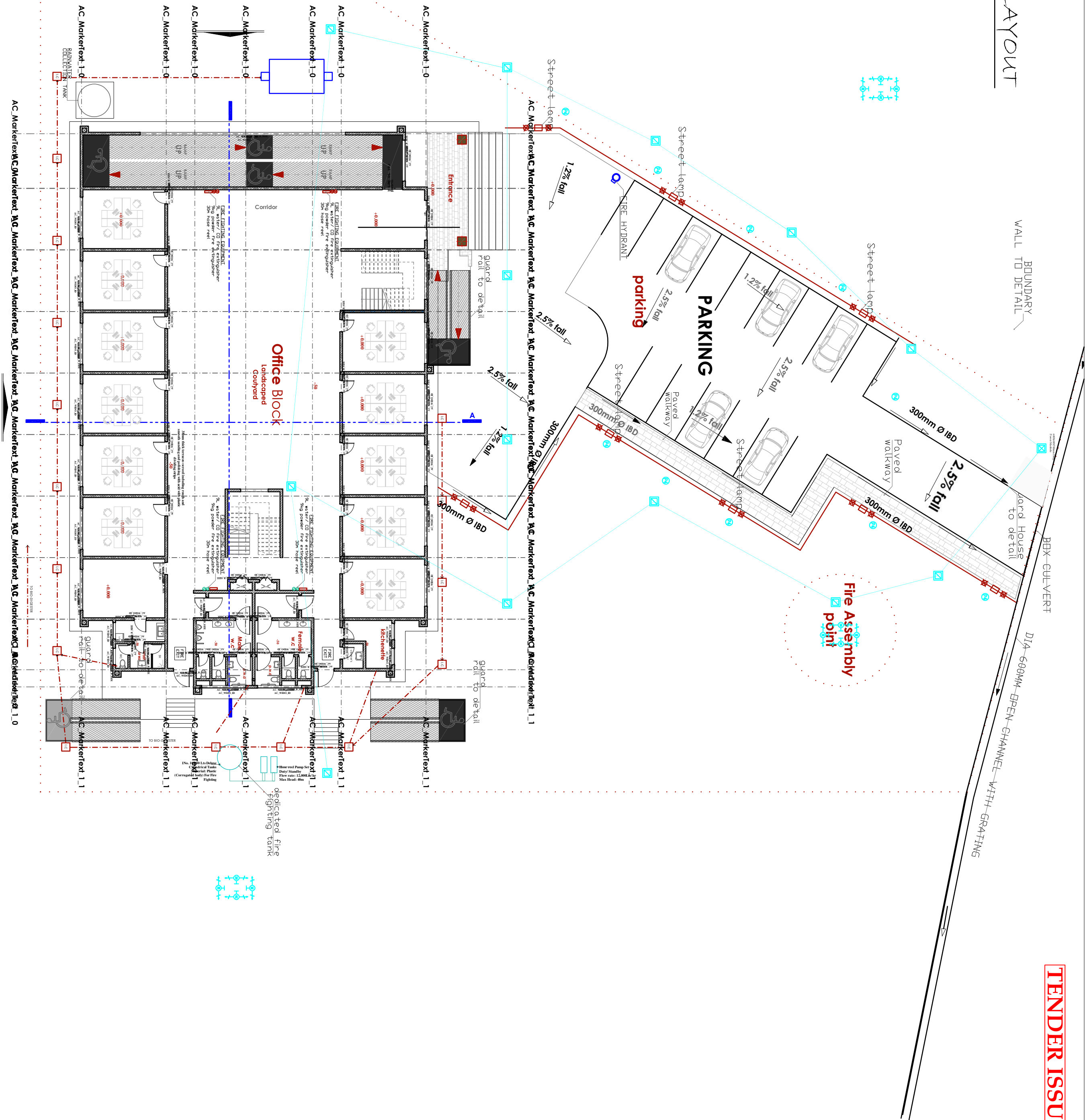
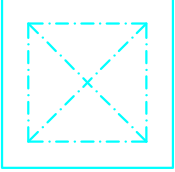
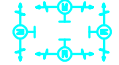
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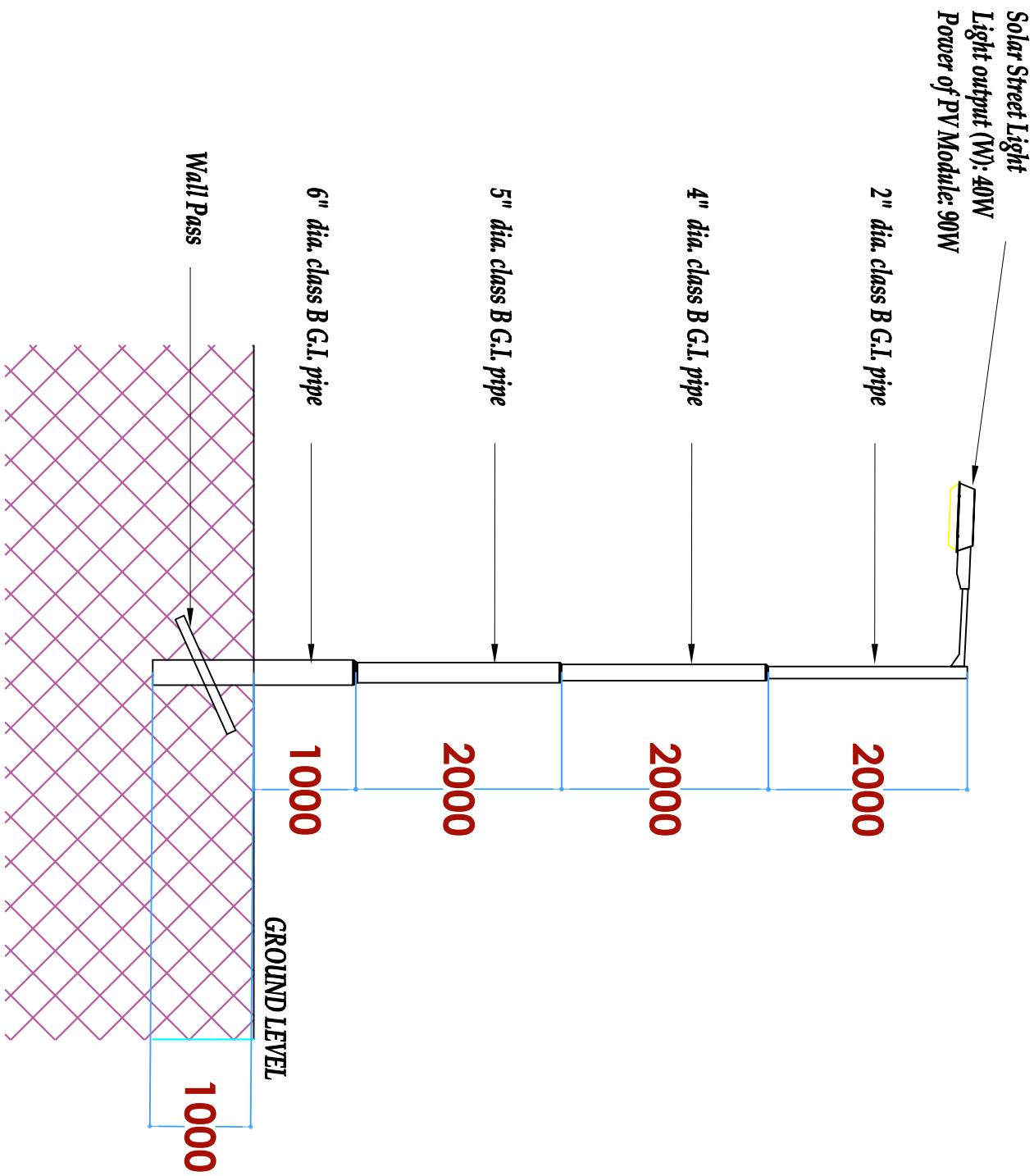
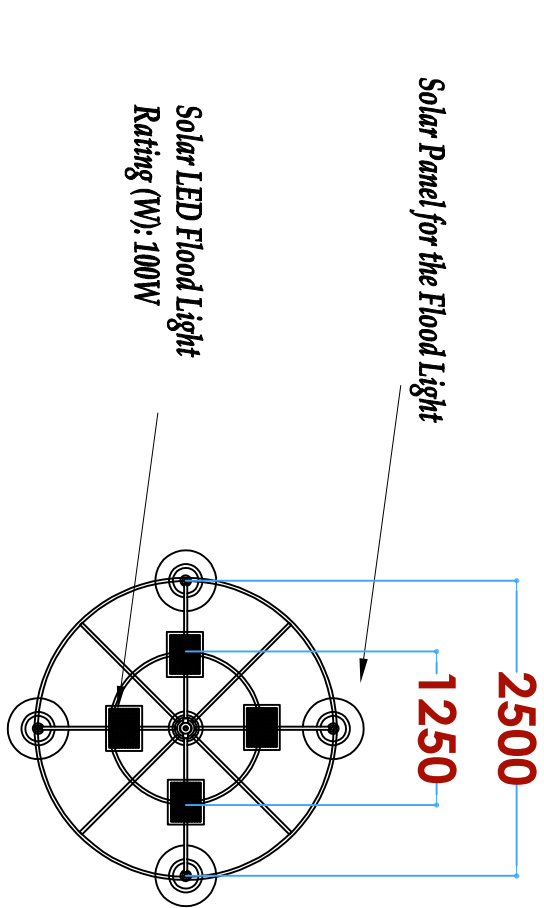
05 24.11.2023

SITE PLAN STREET LIGHTING LAYOUT

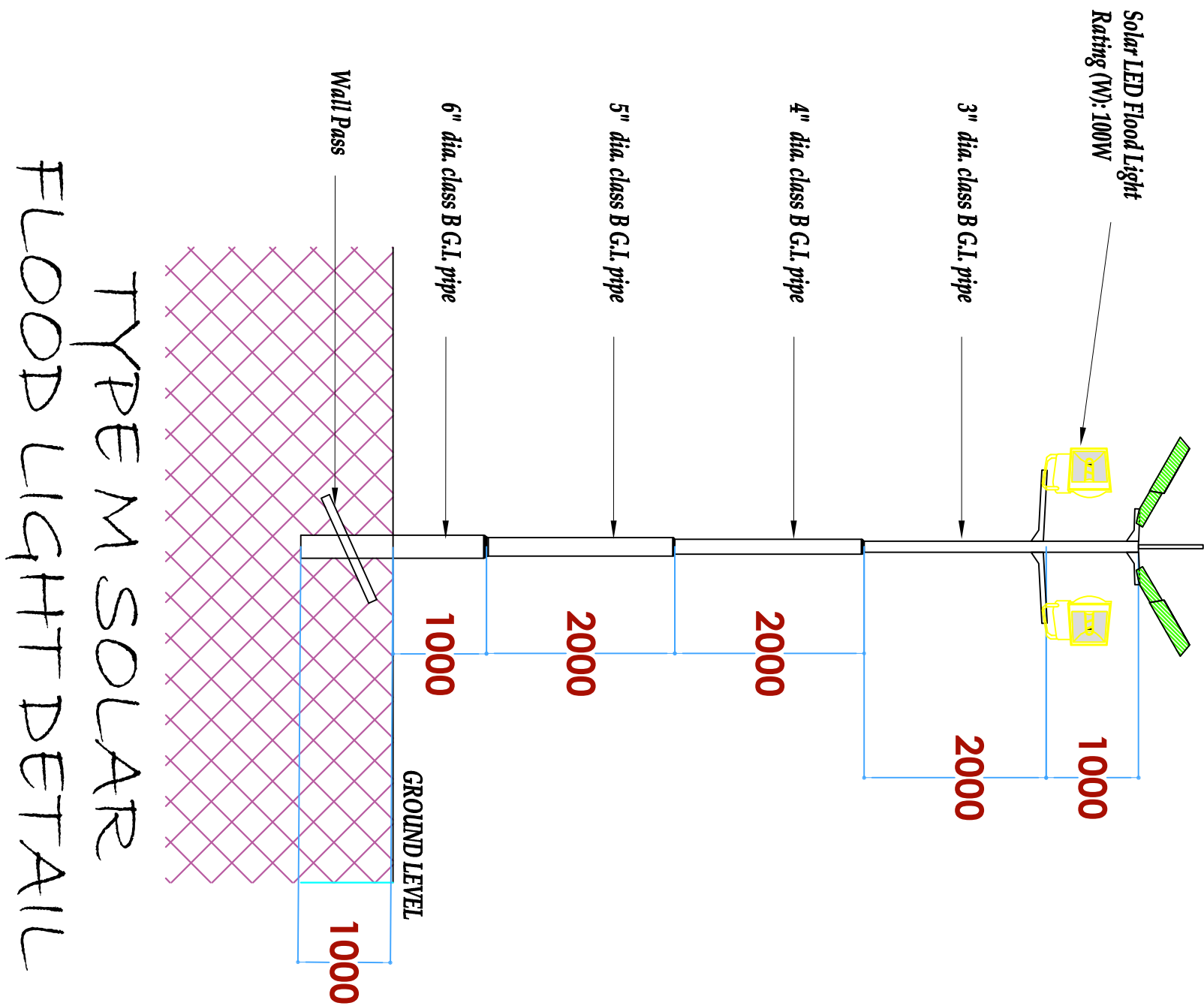
LEGEND

- 1 No. 150mm dia
HGPVC ducts below slab
6000X6000X700mm Deep
Manhole





STREET LIGHT DETAIL



TYPE M SOLAR
FLOOD LIGHT DETAIL



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NOTES

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8. PANEL ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.
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
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

STREET LIGHT DETAIL

Dwg. No. **05-003E-022**

Scale: NTS

Drawn by _____ Check'd By _____

Project no.: _____ Date: _____

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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
OFFICE & RELATED
INFRASTRUCTURE
- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:	
-------	--

DRAWING TITLE:
**POWER SYSTEM SOLAR
SCHEMATIC**

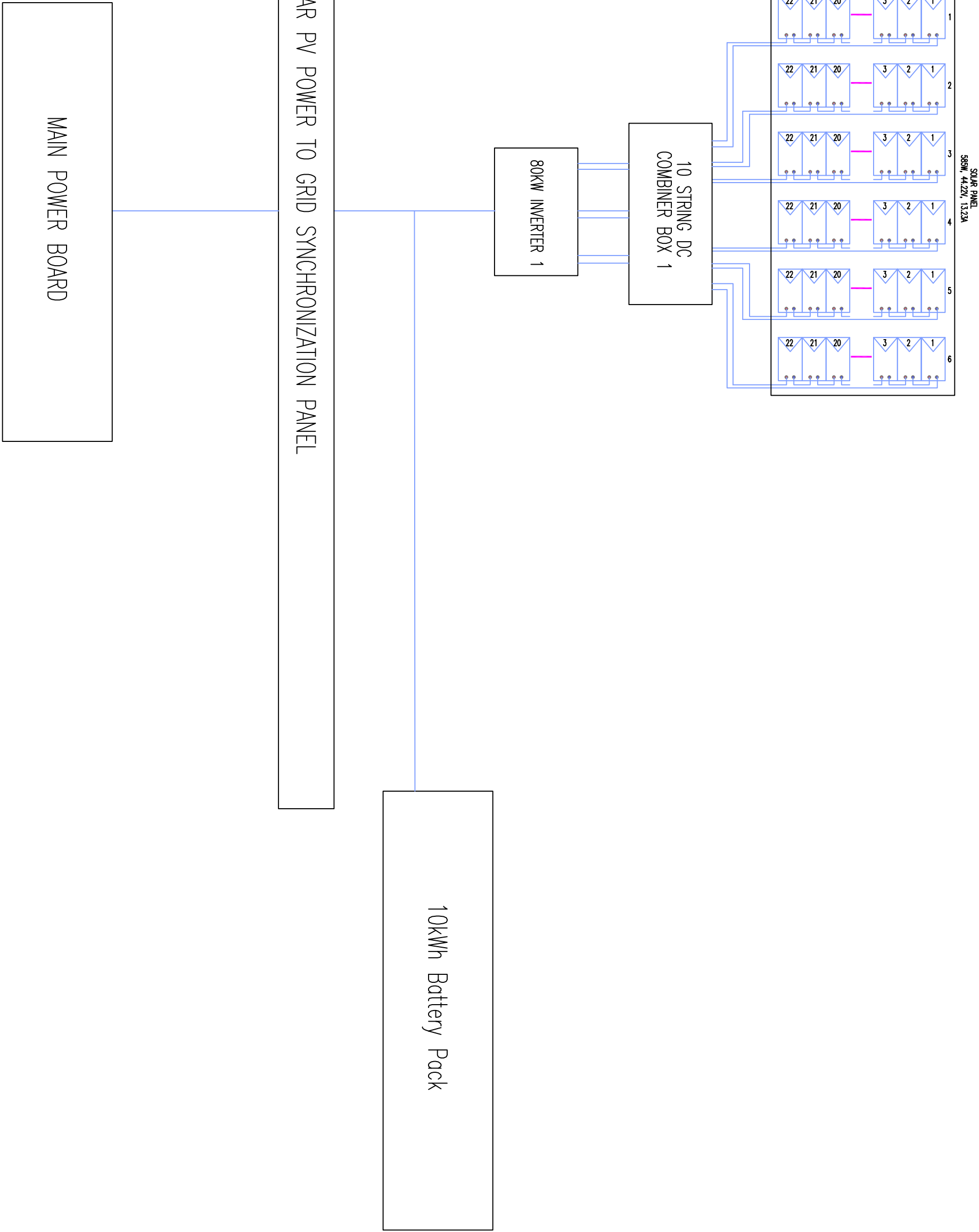
Dwg. No. **05-003E-024**

Scale: NTS

Drawn by		Check'd By	
----------	--	------------	--

Project no.: Date:

05 24.11.2023



SOLAR PV POWER TO GRID SYNCHRONIZATION PANEL

10KWh Battery Pack

MAIN POWER BOARD

POWER SYSTEM
SOLAR SCHEMATIC



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9. BETWEEN THE ARCHITECT AND THE CONTRACTOR.
10. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE
- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

SOCKET & SWITCHES
DETAIL

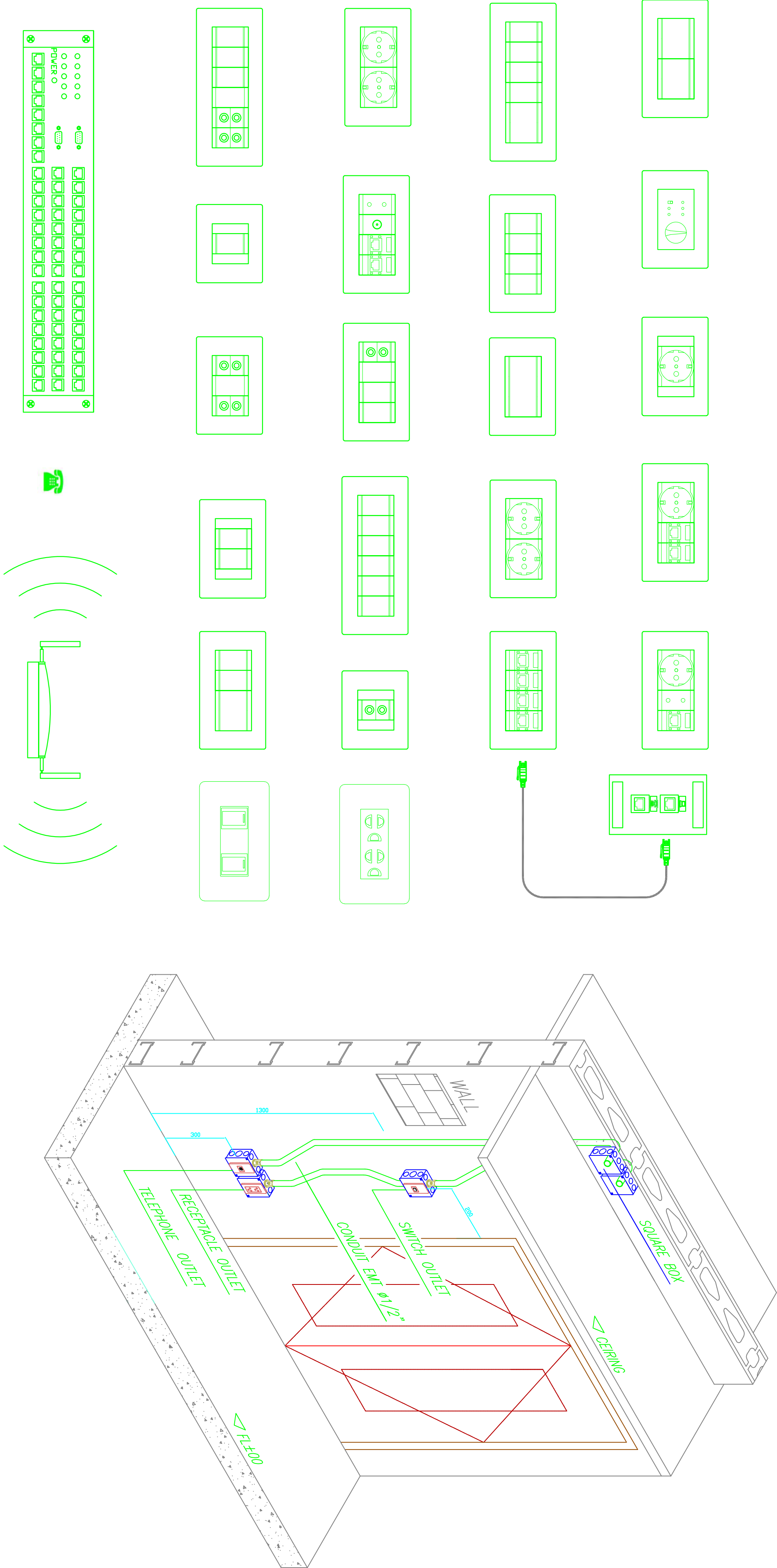
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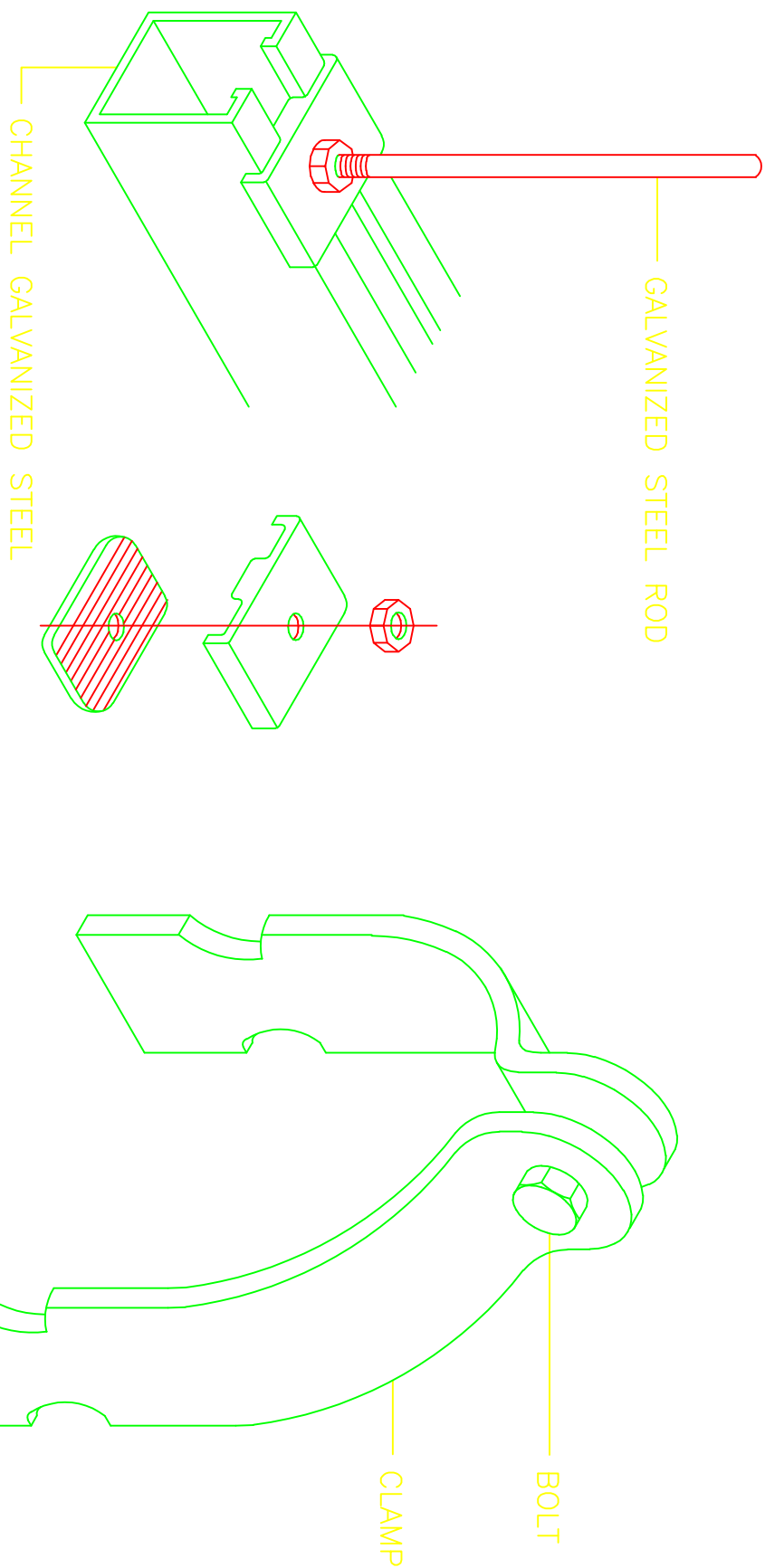
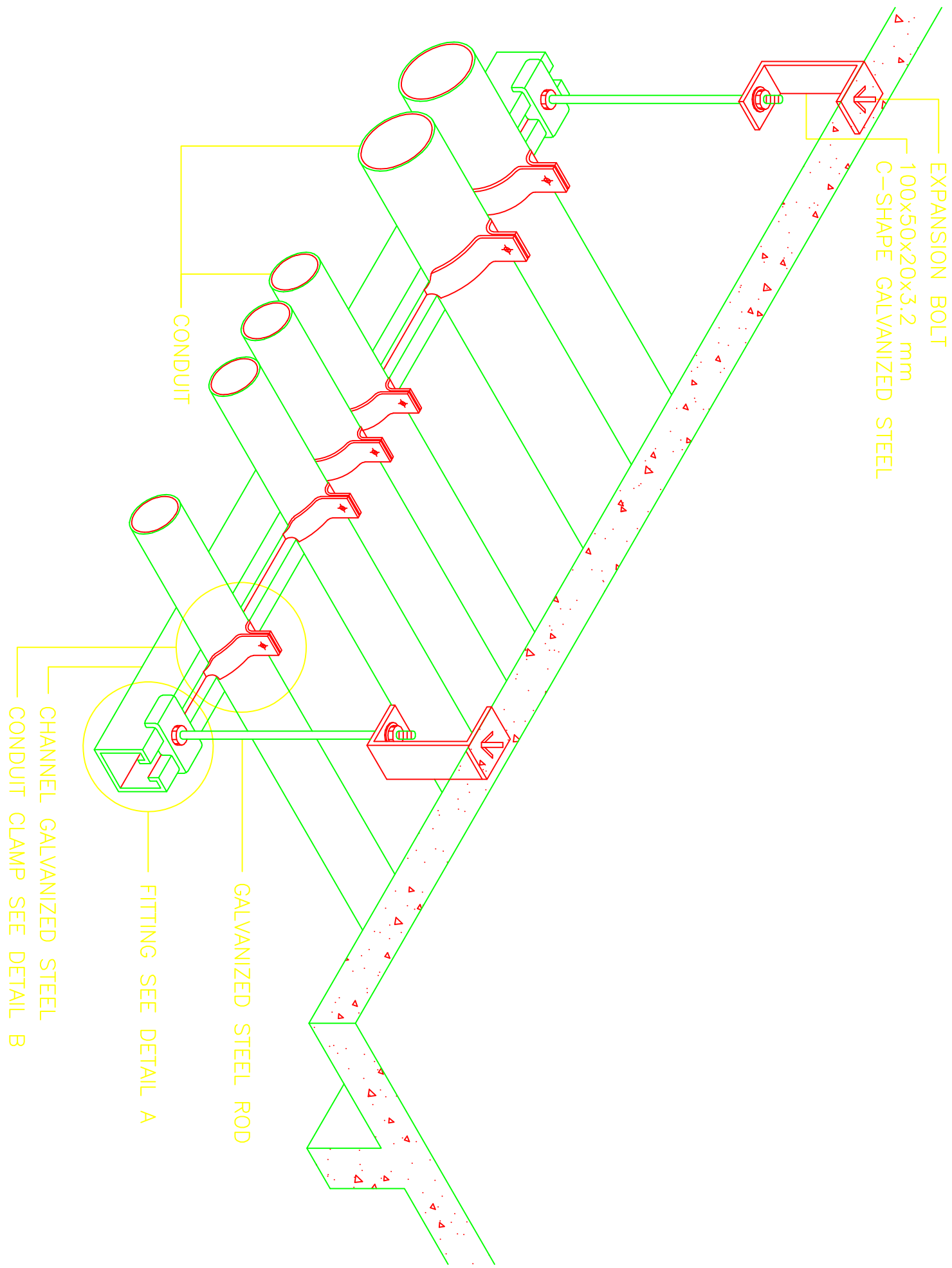
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CONDUIT SUPPORT



DETAIL A

DETAIL B

TENDER ISSUE

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE
- KIIIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

CONDUIT SUPPORT DETAIL

Dwg. No. **05-003E-026**

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Project no.: Date:

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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE
- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign: _____

DRAWING TITLE:

CABLE TRAY DETAIL

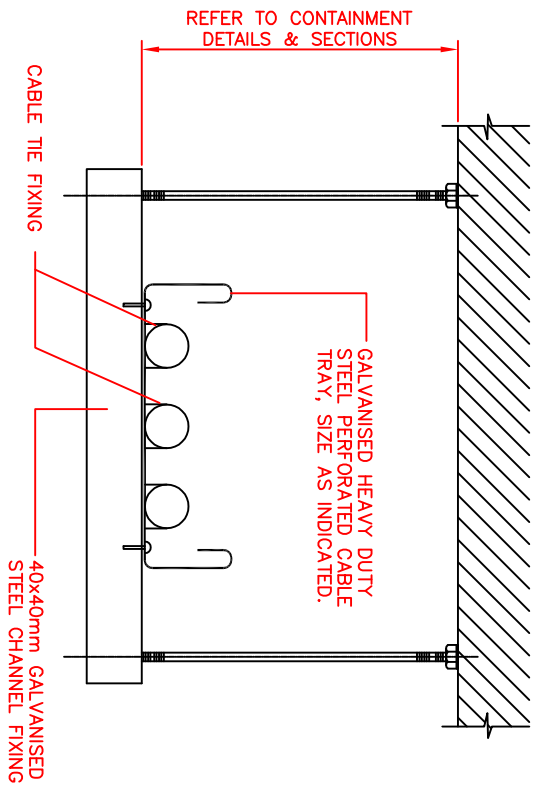
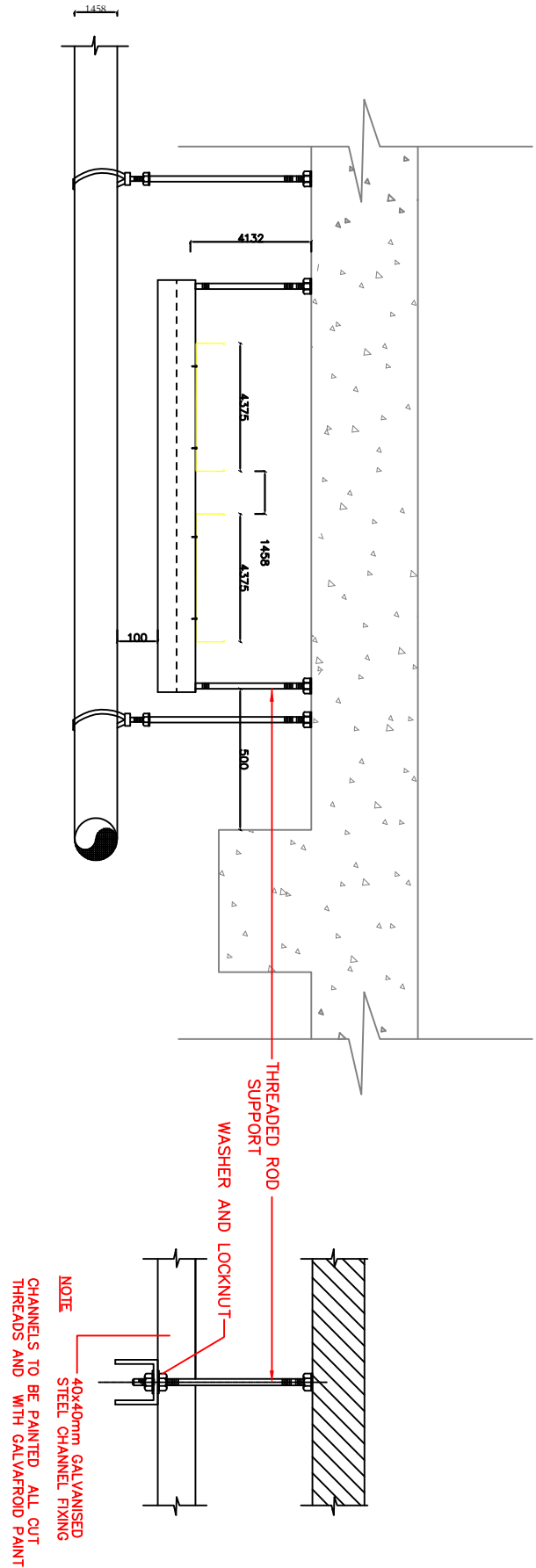
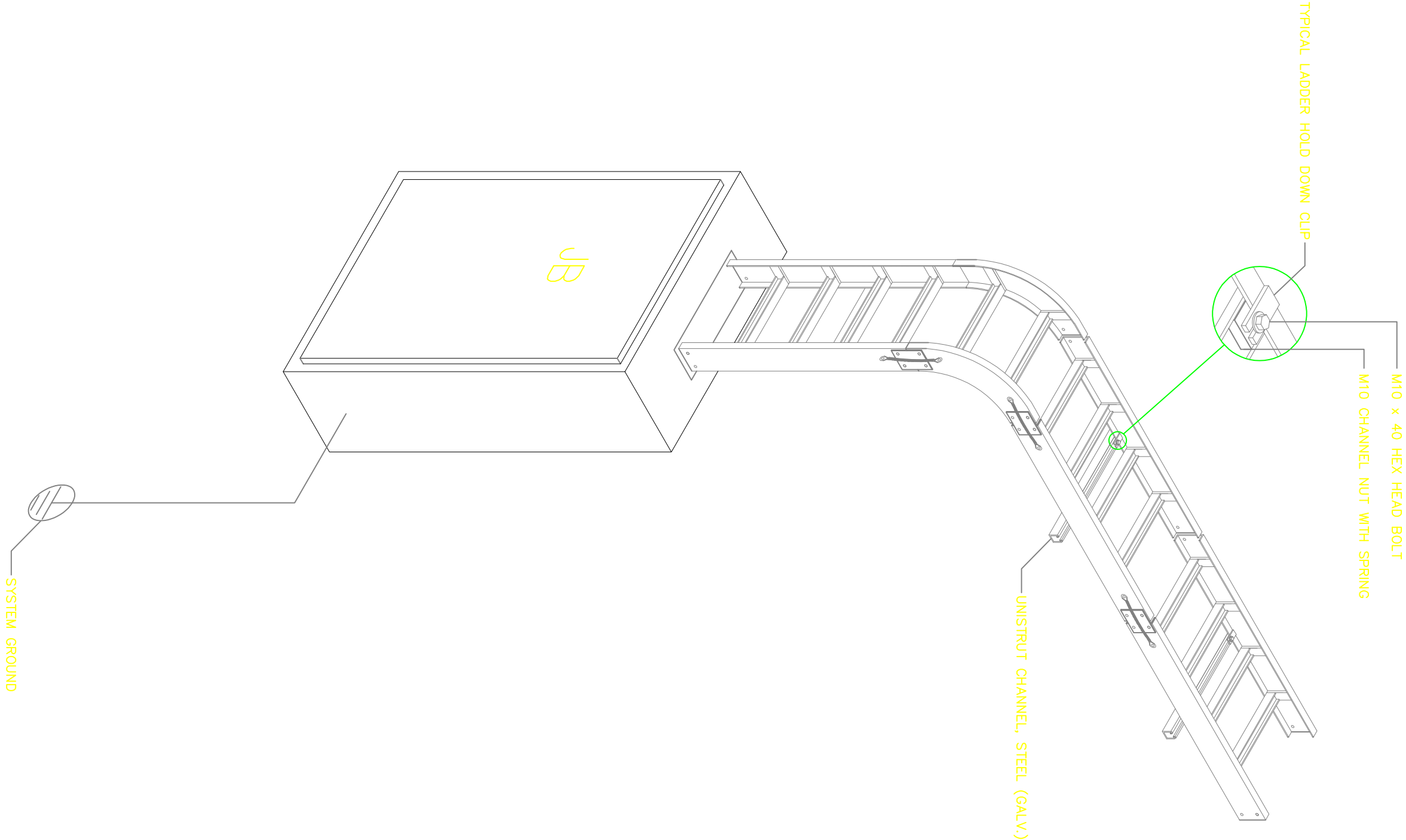
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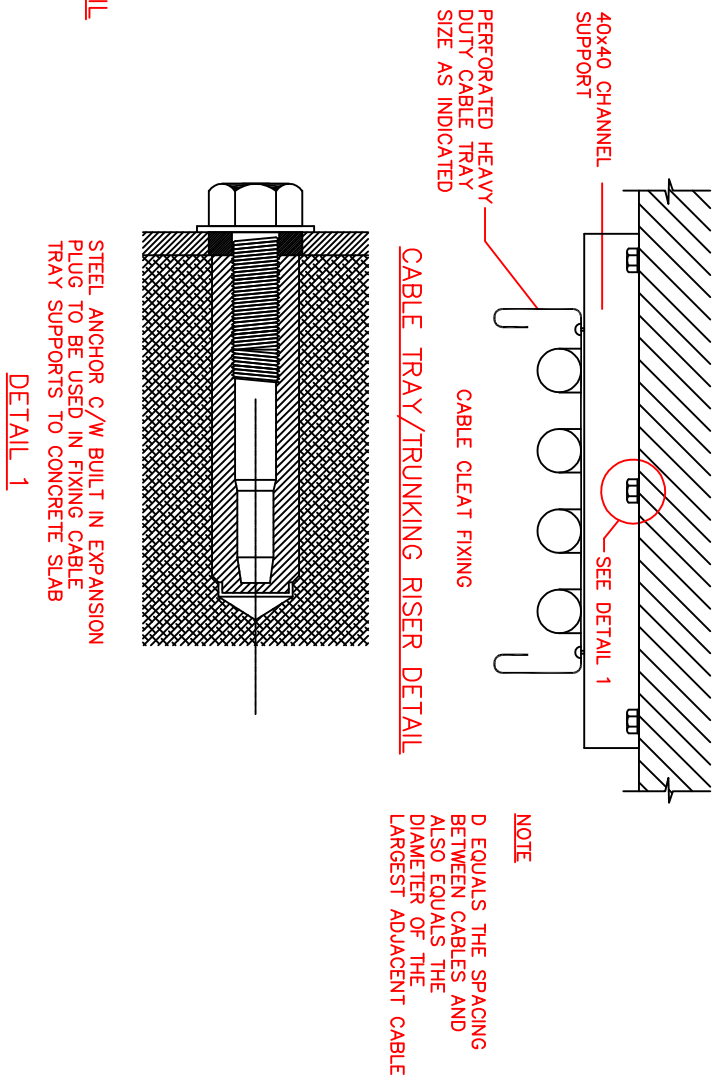
Project no.: _____
Date: _____

05 24.11.2023



HORIZONTAL CABLE TRAY /TRUNKING SUPPORT STANDARD DETAIL

NOTE
CHANNELS TO BE PAINTED ALL CUT
THREADS AND WITH GALVAROID PAINT



NOTE
D EQUALS THE SPACING
BETWEEN CABLES AND
ALSO EQUALS THE
DIAMETER OF THE
LARGEST ADJACENT CABLE



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10. ALL PROTECTIVE MEASURES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE - KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

PUMP ROOM ELECTRICAL
LAYOUT

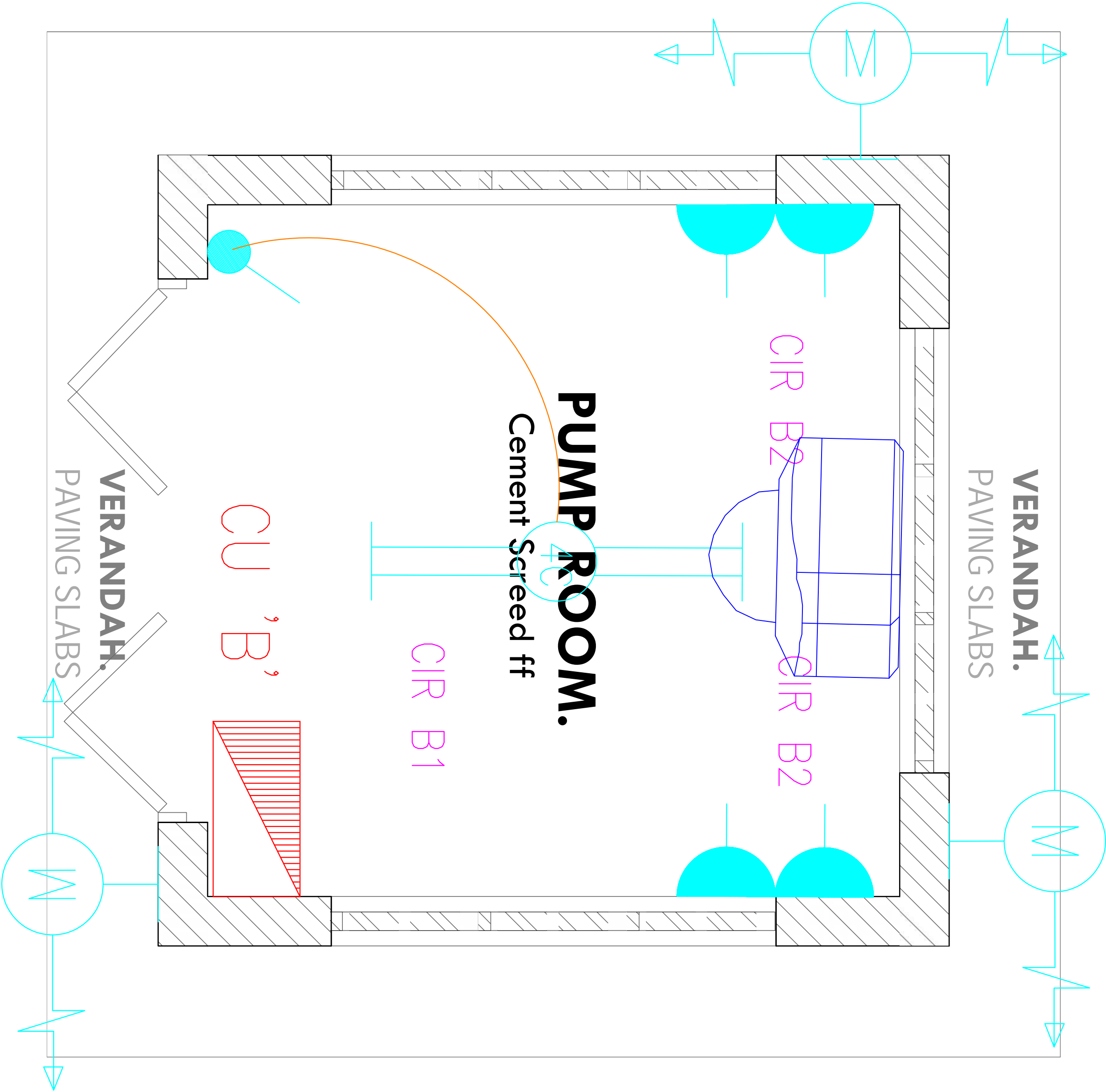
Dwg. No. 05-003E-29

Scale: NTS

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Project no.: Date:

05 24.11.2023



PUMP ROOM.

Cement Screed ff

CIR B1

CU 'B'

VERANDAH.
PAVING SLABS

VERANDAH.
PAVING SLABS

PUMP ROOM PLAN
ELECTRICAL LAYOUT



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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
HATCHERY AND RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

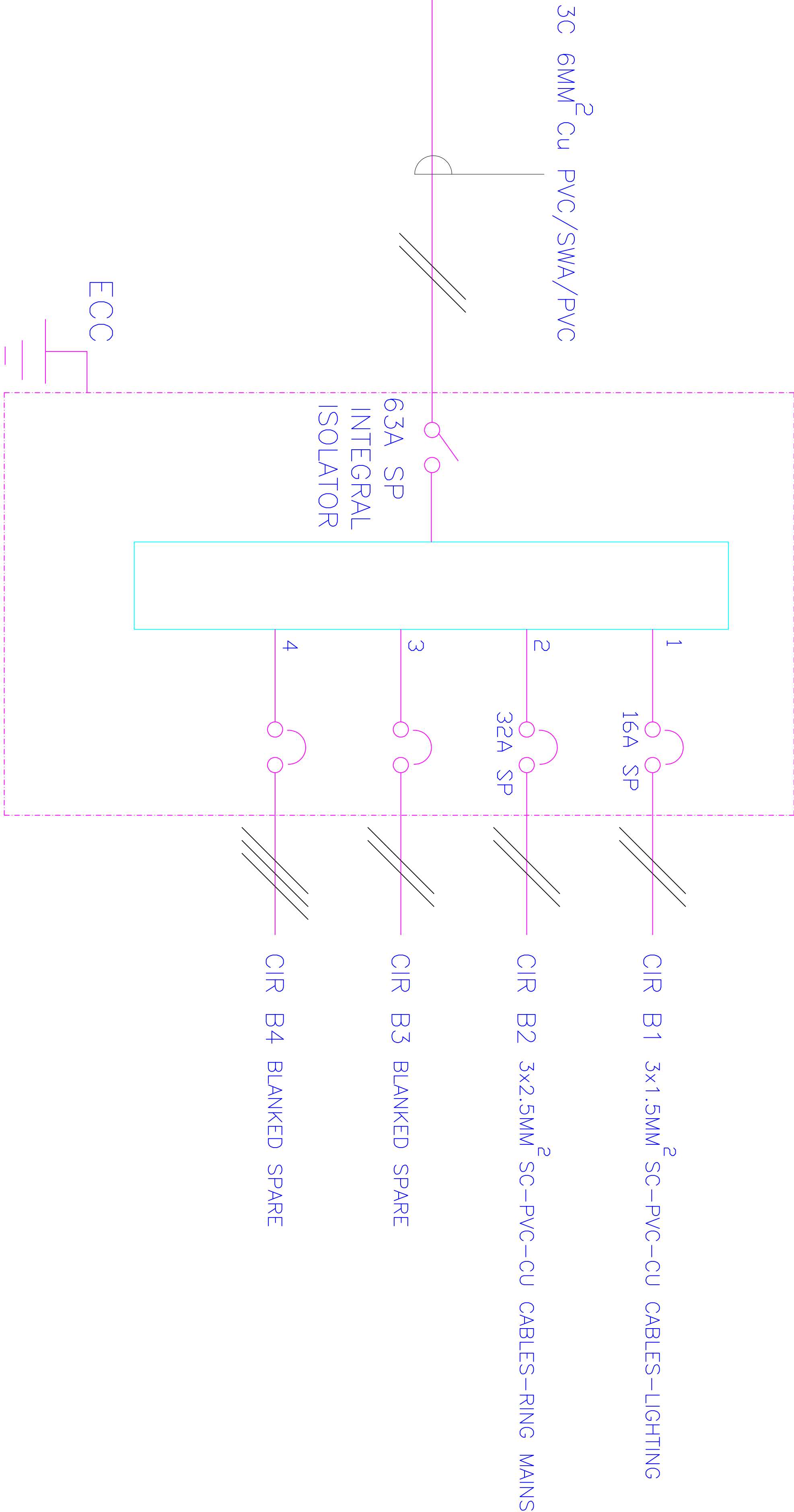
CLIENT'S SIGNATURE:

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DRAWING TITLE:

PUMP ROOM SCHEMATICS

Dwg. No.	05-003E-30		
Scale:	NTS		
Drawn by		Checked By	
Project no.:	Date:		
05	24.11.2023		



4- MAY 100A SPN CONSUMER UNIT 'B' FOR RAW POWER DISTRIBUTION- PUMP ROOM

DRAWING TITLE: PROPOSED CONSTRUCTION OF OFFICE & RELATED INFRASTRUCTURE, KILIFI**DRAWING NUMBER: 05-003M- 001**

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	ELECTRICAL ENGINEERING DRAWINGS				
1	LIST OF DRAWINGS	05- 003M- 001	A3	PDF/ EXCEL	Provided
2	GROUND FLOOR DRAINAGE	05- 003M- 002	A2	PDF/ DWG	Provided
3	GROUND FLOOR PLUMBING	05- 003M- 003	A2	PDF/ DWG	Provided
4	FIRST FLOOR DRAINAGE	05- 003M- 004	A2	PDF/ DWG	Provided
5	FIRST FLOOR PLUMBING	05- 003M- 005	A2	PDF/ DWG	Provided
6	ROOF FLOOR DRAINAGE	05- 003M- 006	A2	PDF/ DWG	Provided
7	ROOF FLOOR PLUMBING	05- 003M- 007	A2	PDF/ DWG	Provided
8	ROOF SLAB RAIN WATER DRAINAGE	05- 003M- 008	A2	PDF/ DWG	Provided
9	SITE PLAN WATER RETICULATION	05- 003M- 009	A2	PDF/ DWG	Provided
10	GATE HOUSE DRAINAGE	05- 003M- 010	A2	PDF/ DWG	Provided
11	GATE HOUSE PLUMBING	05- 003M- 011	A2	PDF/ DWG	Provided
12	PUMP ROOM DRAINAGE	05- 003M- 012	A2	PDF/ DWG	Provided



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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:

DRAWING TITLE:
GROUND FLOOR DRAINAGE
LAYOUT

Dwg. No. **05-003M-002**

Scale: NTS

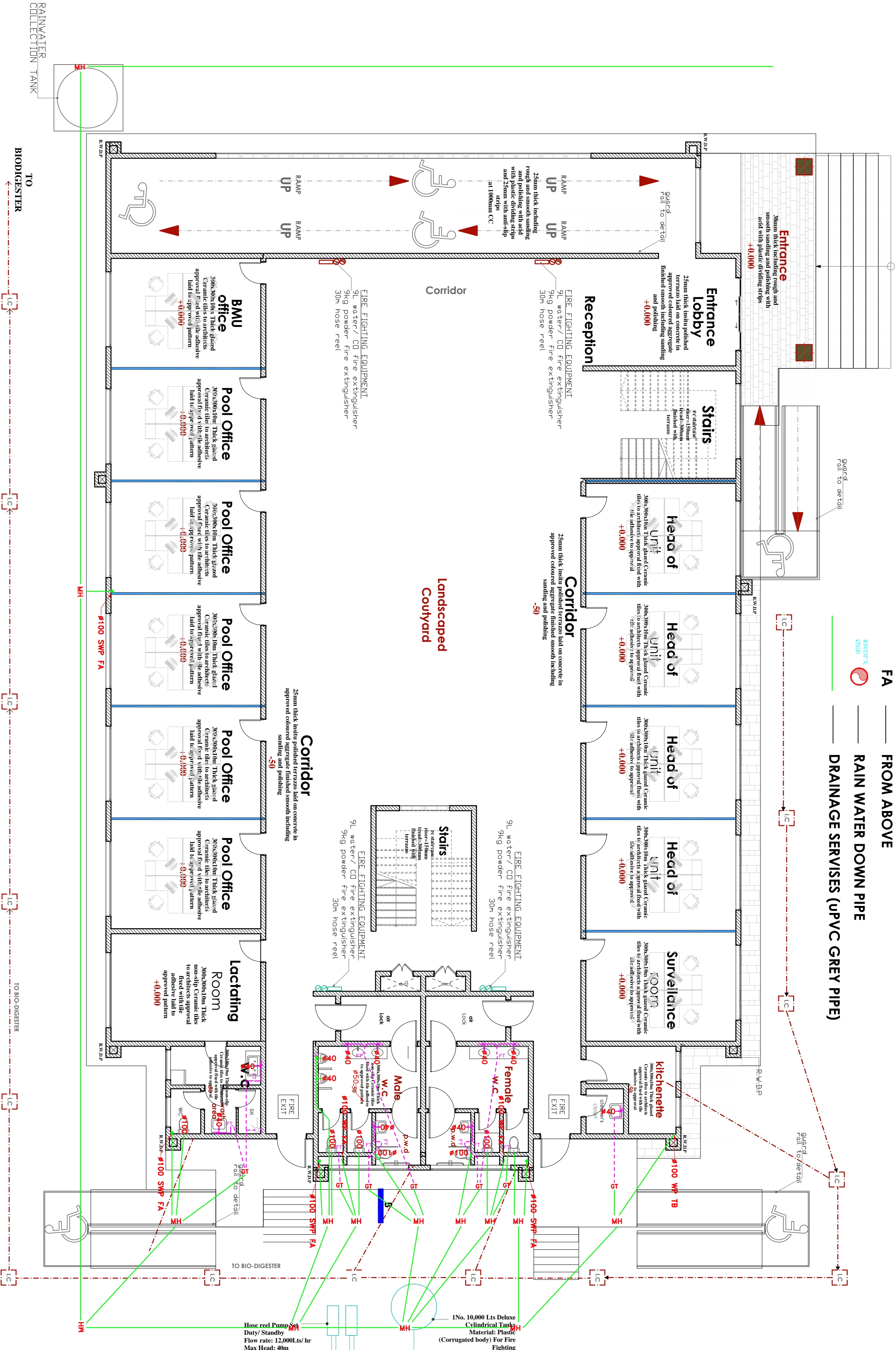
Drawn by Check'd By

Project no.: Date:

05 24.11.2023

LEGEND

- WVP — WASTE VENT PIPE
SVP — SOIL VENT PIPE
I.S — INSIDE SLAB PIPING
S — SURFACE PIPING
TB — TO BELOW
FA — FROM ABOVE
RAIN WATER DOWN PIPE
DRAINAGE SERVICES (UPVC GREY PIPE)



TENDER ISSUE

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

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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:

DRAWING TITLE:

GROUND FLOOR PLUMBING LAYOUT

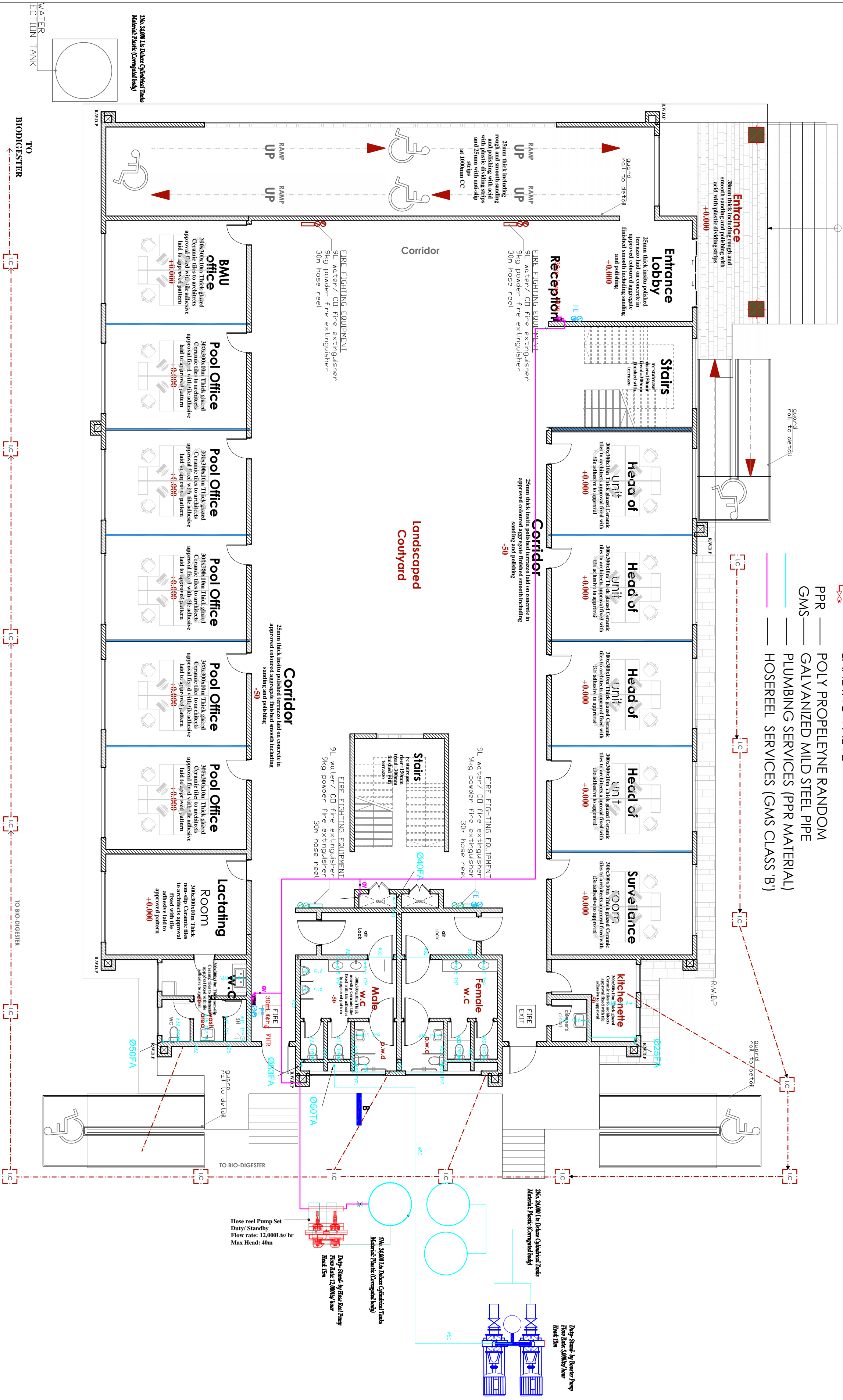
Dwg. No. 05-003M-003

NTS


Drawn by Chek'd By

Project no.:	Date:
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05 24.11.2023



LEGEND

- | | | |
|---|---|--|
| CWS | — | COLD WATER SUPPLY |
| TB | — | TO BELOW |
| FA | — | FROM ABOVE |
| TA | — | TO ABOVE |
| FE | — | 9L WATER CO ₂ FIRE EXTINGUISHER |
| FE | — | 9KG DRY POWDER FIRE EXTINGUISHER |
| HR | — | 30m HOSEREEL |
|  | — | LANDING VALVE |
| PPR | — | POLY PROPELYTENE RANDOM |
| GMS | — | GALVANIZED MILD STEEL PIPE |
| | — | PLUMBING SERVICES (PPR MATERIAL) |
| | — | HOSEREEL SERVICES (GMS CLASS 'B') |

GROUND FLOOR PLAN PLUMBING LAYOUT

E03 REAR ELEVATION



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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: _____

DRAWING TITLE:
FIRST FLOOR DRAINAGE
LAYOUT

Dwg. No. **05-003M-04**

Scale: NTS

Drawn by _____ Check'd By _____

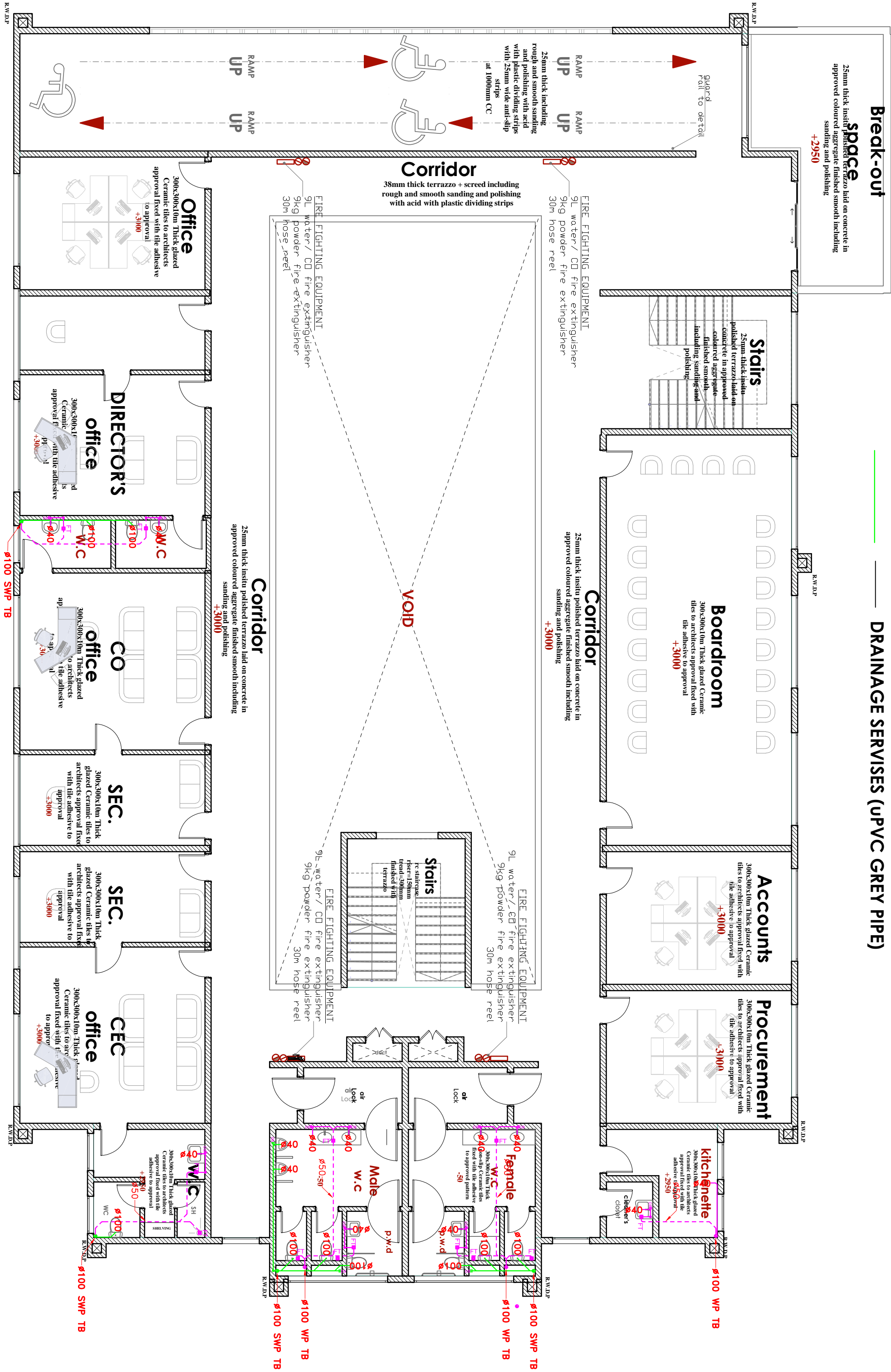
Project no.: _____ Date: _____

05 24.11.2023

TENDER ISSUE

LEGEND

- WVP — WASTE VENT PIPE
SVP — SOIL VENT PIPE
I.S — INSIDE SLAB PIPING
S — SURFACE PIPING
TB — TO BELOW
FA — FROM ABOVE
RAIN WATER DOWN PIPE
DRAINAGE SERVICES (UPVC GREY PIPE)



FIRST FLOOR PLAN
DRAINAGE LAYOUT

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

NOTES

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4. DO NOT SCALE FROM THIS DRAWING.
5. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PERFORMED.
6. THIS DRAWING SHOULD NOT BE USED FOR THE SPECIFIC SERVICES INDICATED.
7. THE DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIT-UP/COMBINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
8. THE PRODUCT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

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:

DRAWING TITLE:
FIRST FLOOR PLUMBING
LAYOUT

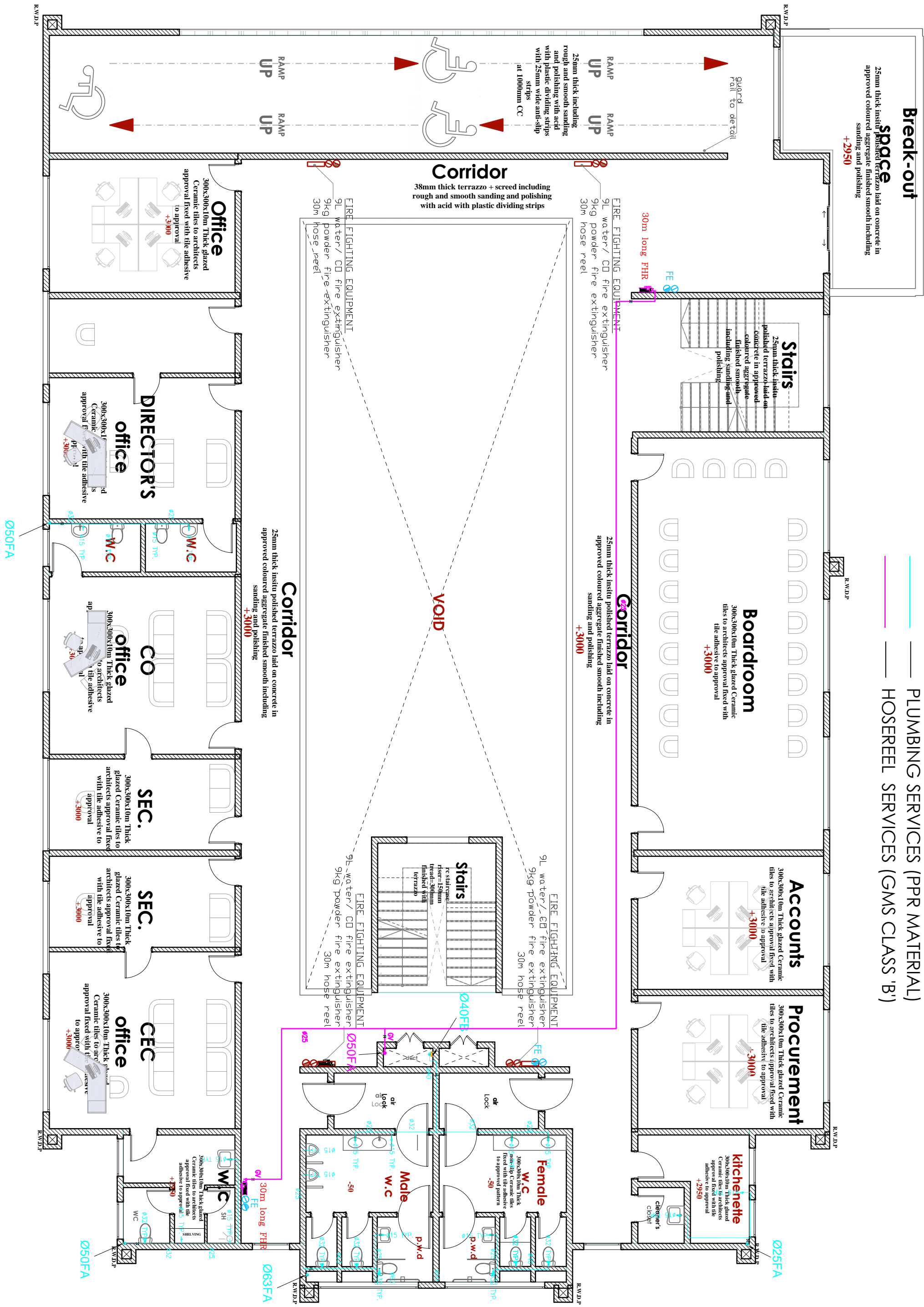
Dwg. No. 05-003M-05

Scale: NTS



Drawn by Chek'd B

Project no.:	Date:
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05 | 24.11.2023



LEGEND

- | | | |
|---|---|--|
| CWS | — | COLD WATER SUPPLY |
| TB | — | TO BELOW |
| FA | — | FROM ABOVE |
| TA | — | TO ABOVE |
| FE | — | 9L WATER CO ₂ FIRE EXTINGUISHER |
| FE | — | 9KG DRY POWDER FIRE EXTINGUISHER |
| HR | — | 30m HOSEREEL |
|  | — | LANDING VALVE |
|  | — | POLY PROPELYENE RANDOM |
| PPR | — | GALVANIZED MILD STEEL PIPE |
| GMS | — | PLUMBING SERVICES (PPR MATERIAL) |
| | — | PLUMBING SERVICES (GMS CLASS 'B') |
| | — | HOSEREEL SERVICES (GMS CLASS 'B') |

TENDER ISSUE



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

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- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE DETERMINED BY THE BUILDING SERVICES CONSULTANT.
- THE FINAL WORKS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

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:

DRAWING TITLE:
ROOF FLOOR DRAINAGE
LAYOUT

Dwg. No. **05-003M-06**

Scale: NTS

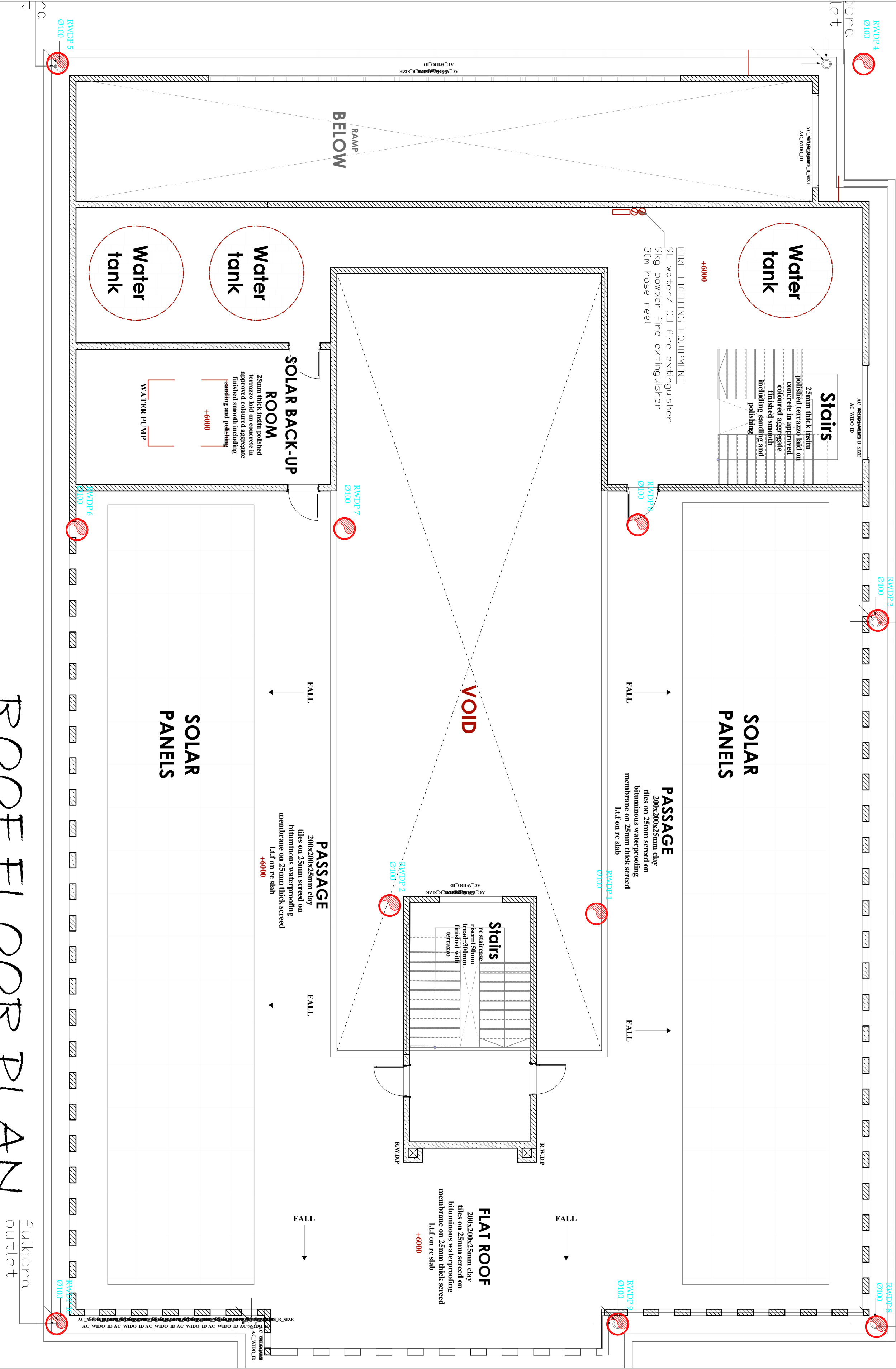
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Project no.: Date:

05 24.11.2023

TENDER ISSUE

ROOF FLOOR PLAN
DRAINAGE LAYOUT





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NAIROBI, KENYA.

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- PAVE ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED IMMEDIATELY.
- THE PROJECT WORKS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

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:

DRAWING TITLE:
ROOF FLOOR PLUMBING
LAYOUT

Dwg. No. 05-003M-07

Scale: NTS

Drawn by Check'd By

Project no.: Date:

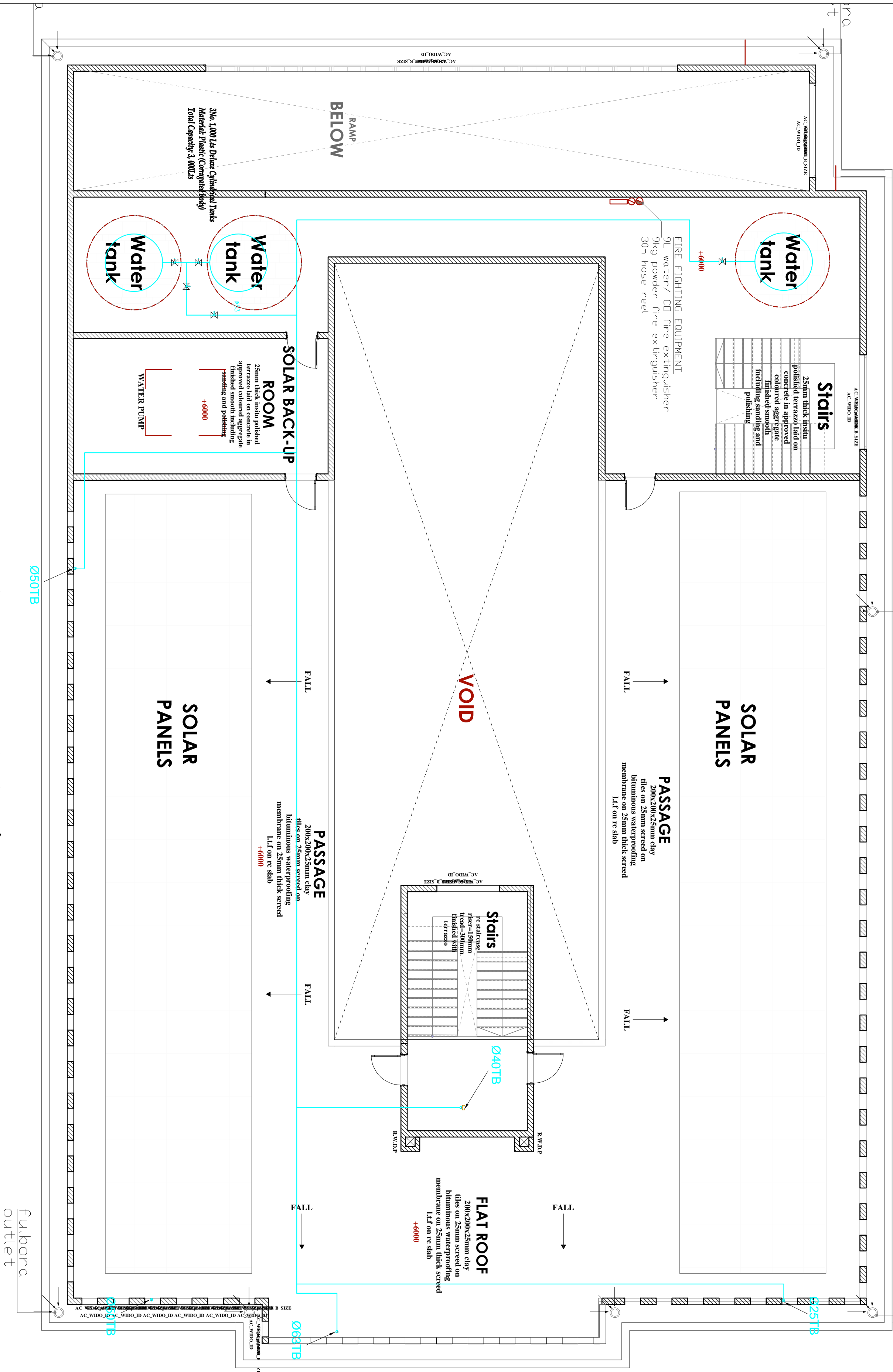
05

24.11.2023

TENDER ISSUE

fulbora
outlet

fulbora
outlet



ROOF FLOOR PLAN
PLUMBING LAYOUT



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

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- PAVE ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED IMMEDIATELY.
- 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
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:
ROOF RAINWATER
DRAINAGE LAYOUT

Dwg. No. 05-003M-08

Scale: NTS

Drawn by

Check'd By

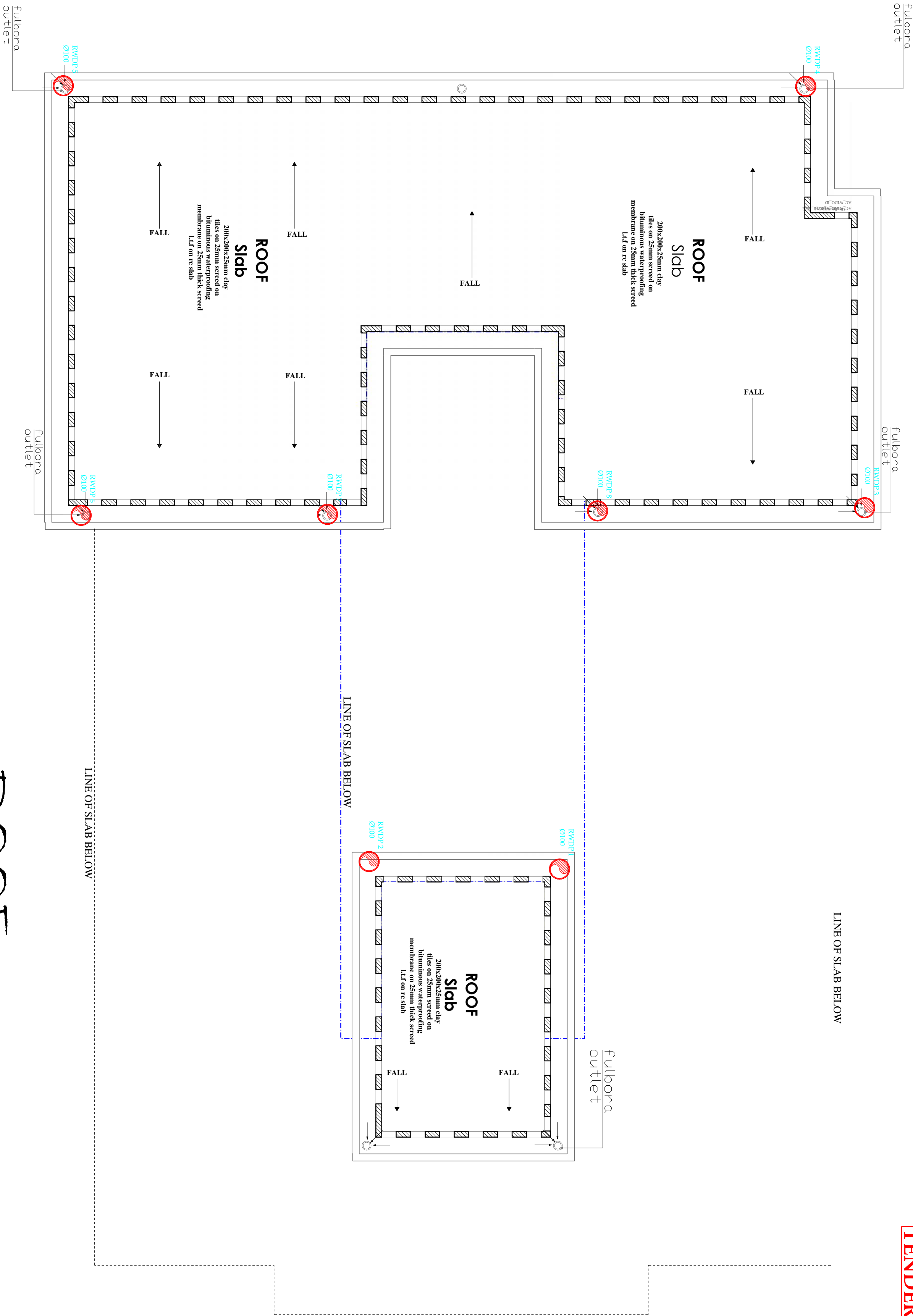
Project no.:

05

Date:

24.11.2023

ROOF
DRAINAGE





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

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- THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
- FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED IMMEDIATELY AFTER THE SERVICES HAVE BEEN LAYED OUT.
- 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
OFFICE & RELATED
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

SITE PLAN
WATER RETICULATION
LAYOUT

Dwg. No. **05-003M-009**

Scale: NTS

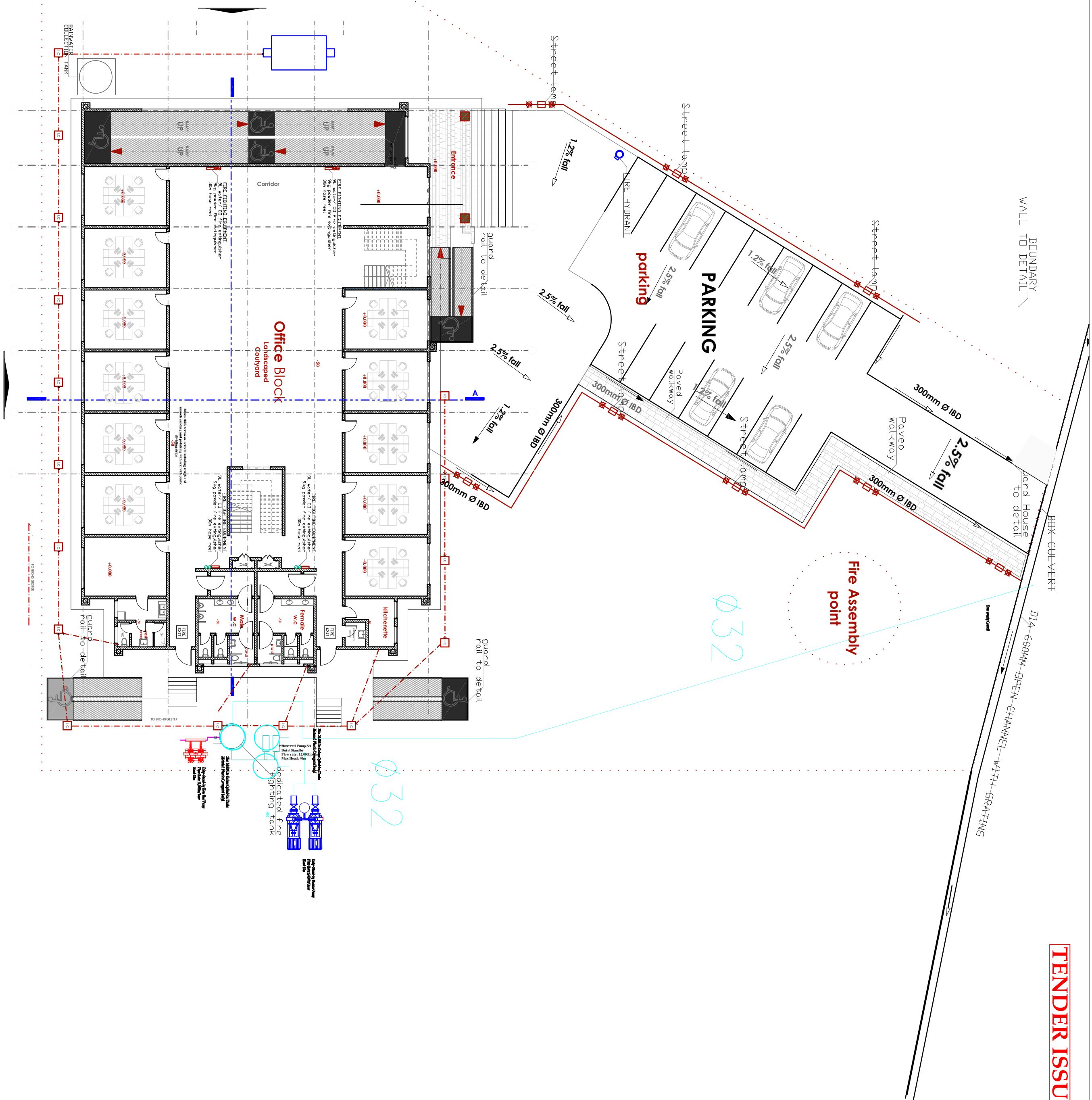
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Project no.: Date:

05

24.11.2023

TENDER ISSUE





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NAIROBI, KENYA.

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8. THE ACCESS AND SETTING OUT OF SERVICES SHALL BE MARKED BEFORE ANY WORK IS PUT IN HAND OR PERFORMED.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE- KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

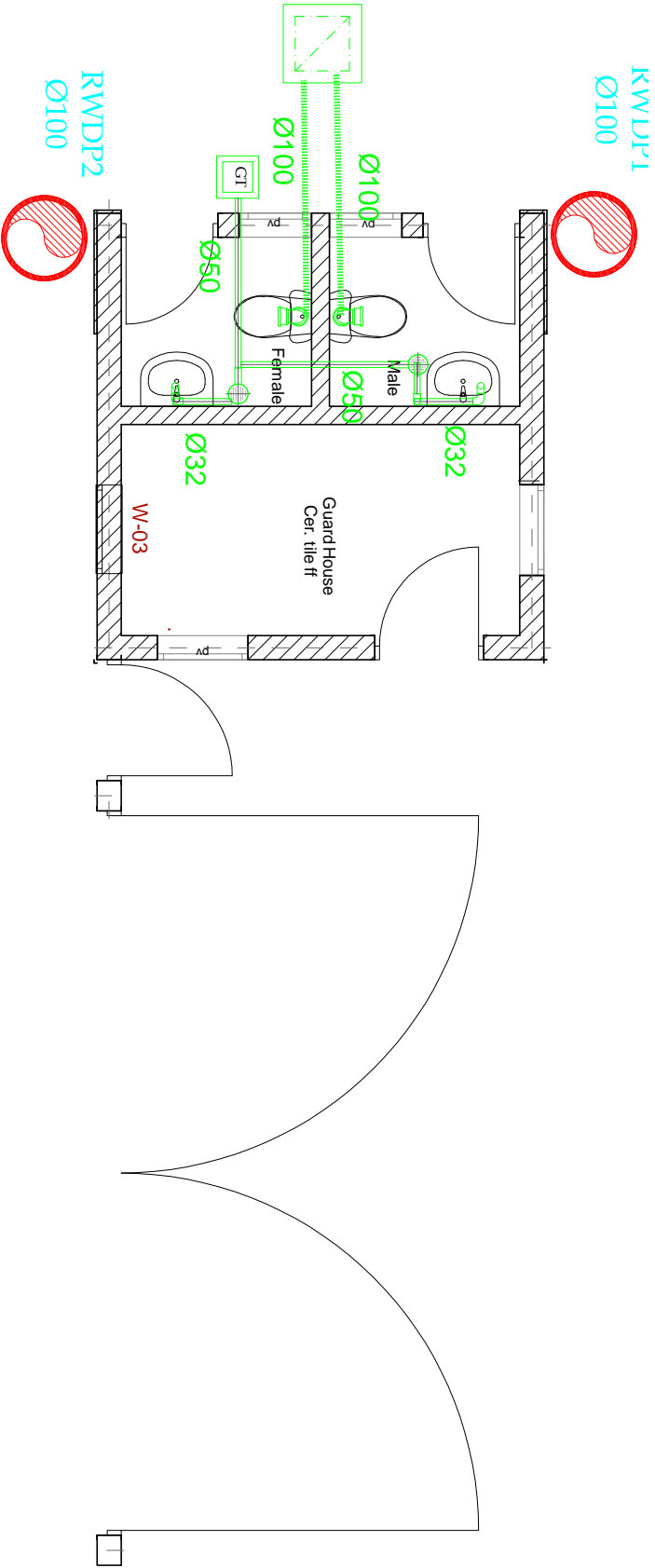
DRAWING TITLE:
GATE HOUSE DRAINAGE
LAYOUT

Dwg. No. 02-003M-10

Scale: NTS

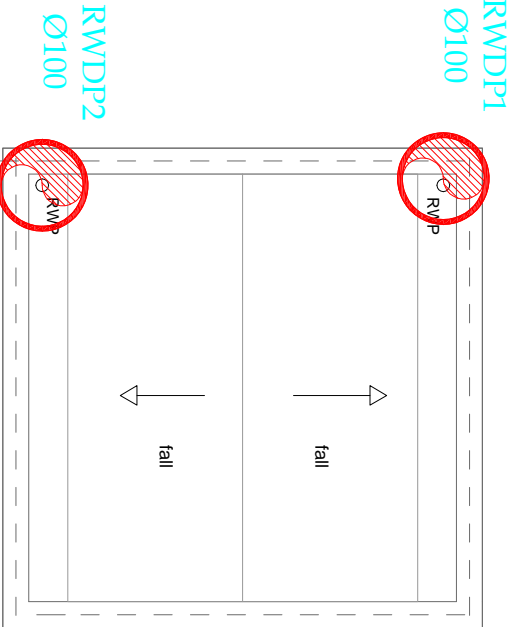
Drawn by Check d By

Project no.: Date:



LEGEND

- WVP — WASTE VENT PIPE
SVP — SOIL VENT PIPE
I.S — INSIDE SLAB PIPING
S — SURFACE PIPING
TB — TO BELOW
FA — FROM ABOVE
RWDPX Ø100 — RAIN WATER DOWN PIPE
GT — DRAINAGE SERVICES (UPVC GREY PIPE)
— 4" GULLY TRAP



DRAINAGE



ARPRIM CONSORTIUM,
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NAIROBI, KENYA.

NOTES

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8. THE ACCESS AND SETTING OUT OF SERVICES SHALL BE RATHERED BY THE CONTRACTOR.
9. THE PROJECT NOTES ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT TECHNICAL SPECIFICATIONS.
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
OFFICE & RELATED
INFRASTRUCTURE - KITILI

CLIENT:

STATE DEPARTMENT FOR FISHERIES
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GATE HOUSE PLUMBING

Dwg. No. 05-003M-11

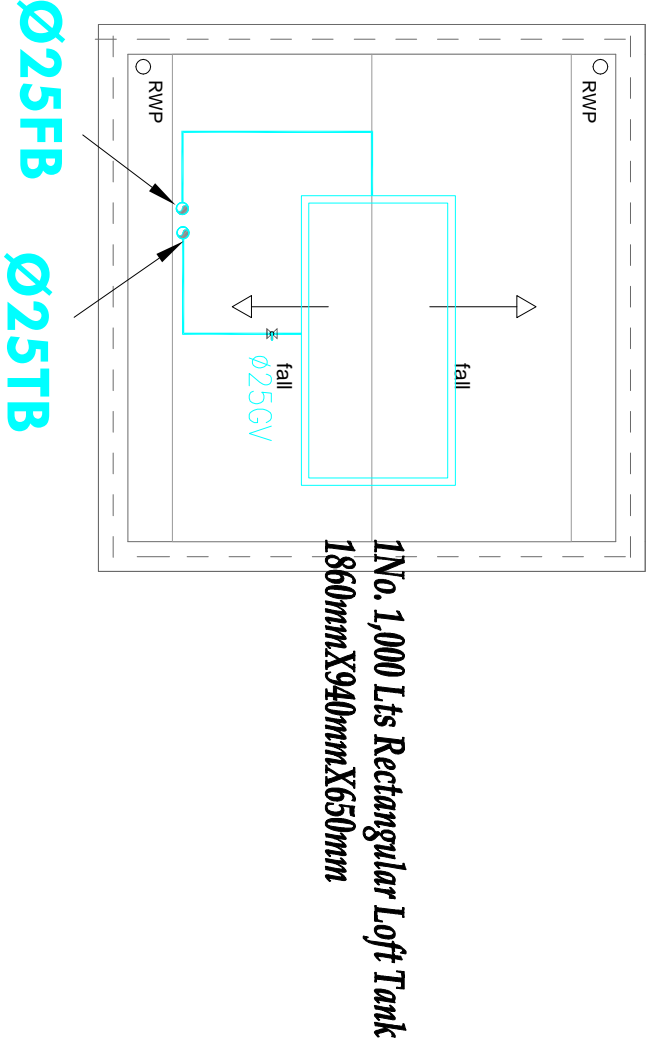
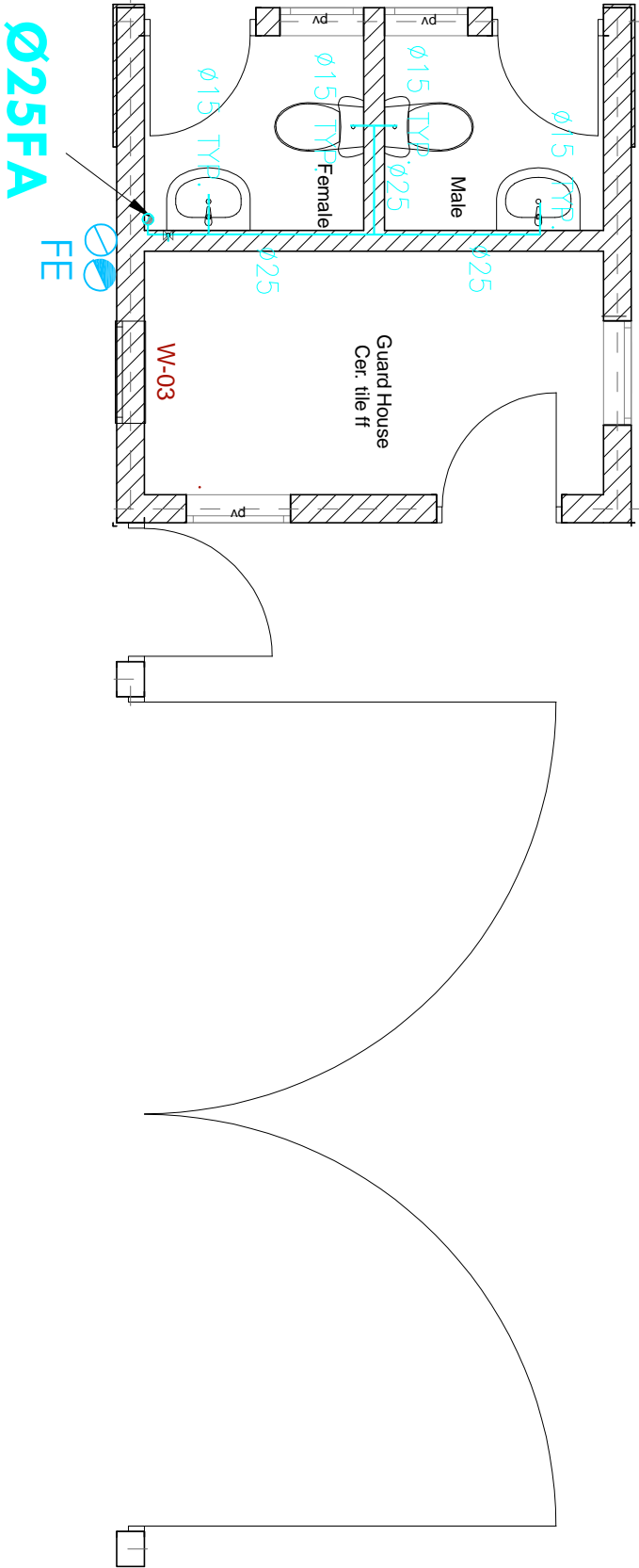
Scale: NTS

Drawn by Check d By

Project no.: Date:

05

29.12.2023



LEGEND

CWS — COLD WATER SUPPLY

TB — TO BELOW

FA — FROM ABOVE

TA — TO ABOVE

FE — 9L WATER CO FIRE EXTINGUISHER

FE — 9KG DRY POWDER FIRE EXTINGUISHER

HR — 30m HOSE REEL

— LANDING VALVE

PPR — POLY PROPELENE RANDOM

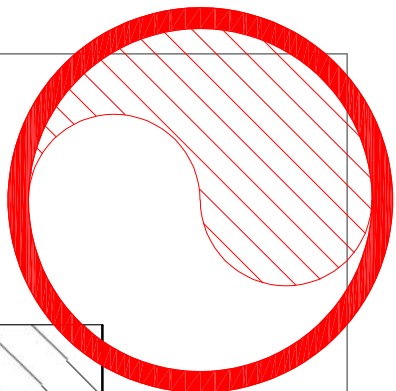
GMS — GALVANIZED STEEL PIPE (CLASS B)

— PLUMBING SERVICES (PPR PN 20 MATERIAL)

— HOSE REEL SERVICES (GMS CLASS 'B')

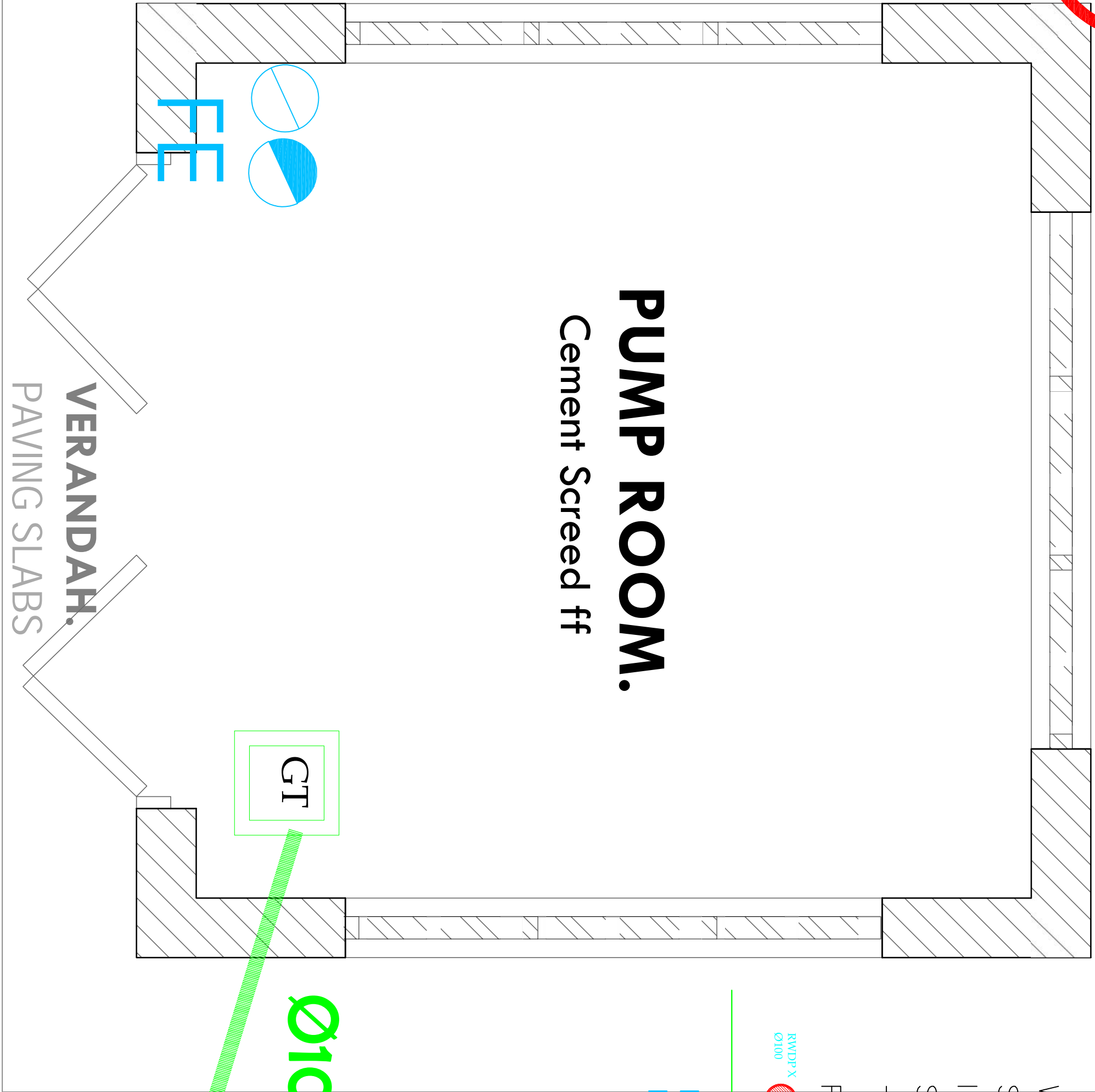
PLUMBING

Ø100



VERANDAH.
PAVING SLABS

PUMP ROOM.
Cement Screed ff



Ø100

LEGEND

- WVP — WASTE VENT PIPE
- SVP — SOIL VENT PIPE
- I.S — INSIDE SLAB PIPING
- S — SURFACE PIPING
- TB — TO BELOW
- FA — FROM ABOVE
- RAIN WATER DOWN PIPE
- DRAINAGE SERVICES (UPVC GREY PIPE)
- 9L WATER CO FIRE EXTINGUISHER
- 9KG DRY POWDER FIRE EXTINGUISHER

TENDER ISSUE



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

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- FINAL ACCESS AND SETTING OUT SERVICES SHALL BE AGREED WITH THE CLIENT.
- ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PERFORMED.
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REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF
OFFICE & RELATED
INFRASTRUCTURE - KILIFI

CLIENT:

STATE DEPARTMENT FOR FISHERIES,
AQUACULTURE & THE BLUE
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

PUMP ROOMS DRAINAGE
LAYOUT

Dwg. No. 05-003M-12

Scale: NTS

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Project no.: Date:

05 29.12.2023

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