



**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 MINJILA FISHERIES OFFICE**

**Employer:** State Department for Blue Economy & Fisheries  
**Project:** Kenya Marine Fisheries Socio-Economic  
Development Project (KEMFSED)  
**Contract Title:** **CONSTRUCTION OF MINJILA FISHERIES  
OFFICE**  
**Country:** Republic of Kenya  
**Loan No./Credit No/Grant No.:** 6540-KE  
**RFBNo.:** KE-MOMBE&MA-TR-2024-013-CW  
**Issued on:** 13<sup>TH</sup> FEBRUARY 2024

**VOLUME 1 OF 4**

**DRAWINGS**

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 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. 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 : **MINJILA**

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

Signature .....

Subject : **MINJILA FISHERIES OFFICE**

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No .

Scale 1:100

1 .CONSTRUCTION OF MINJILA FISHERIES OFFICE

DRAWING NO 03-001 -001

NO.	DRAWING/DOCUMENT	DRAWING NO	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
	PROJECT 01	ARCHITECTURAL DRAWINGS.			
	LIST OF DRAWINGS.				
01	SITE PLAN	<b>03-001-001</b>	A1	PDF/DWG	PROVIDED
	FLOOR PLANS	BUILDING.			
02	GROUND FLOOR PLAN	<b>03-001-002</b>	A1	PDF/DWG	PROVIDED
03	FIRST FLOOR PLAN	<b>03-001-003</b>	A1	PDF/DWG	PROVIDED
04	ROOF PLAN	<b>03-001-004</b>	A1	PDF/DWG	PROVIDED
05	ROOF SLAB	<b>03-001-005</b>	A1	PDF/DWG	PROVIDED
	ELEVATIONS				
06	ELEVATION 01 & 02	<b>03-001-006</b>	A1	PDF/DWG	PROVIDED
07	ELEVATION 03 & 04	<b>03-001-007</b>	A1	PDF/DWG	PROVIDED
	SECTIONS				
08	SECTION 01	<b>03-001-008</b>	A1	PDF/DWG	PROVIDED
	SCHEDULES		A1	PDF/DWG	PROVIDED
09	DOOR SCHEDULES	<b>03-001-009</b>			
10	WINDOW SCHEDULES 01	<b>03-001-010</b>	A1	PDF/DWG	PROVIDED
11	WINDOW SCHEDULES 02	<b>03-001-011</b>			
	3D MODEL		A1	PDF/DWG	PROVIDED
12	3D PERSPECTIVES 01	<b>03-001-012</b>	A1	PDF/DWG	PROVIDED
13	3D PERSPECTIVES 02	<b>03-001-013</b>	A1	PDF/DWG	PROVIDED
14	3D PERSPECTIVES 03	<b>03-001-014</b>	A1	PDF/DWG	PROVIDED
	DETAILS		A1	PDF/DWG	PROVIDED
15	GUARD HOUSE	<b>03-001-015</b>	A1	PDF/DWG	PROVIDED
16	BOUNDARY WALL	<b>03-001-016</b>	A1	PDF/DWG	PROVIDED



Minjila Fisheries Office

site plan



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 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
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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122)
--	--	--

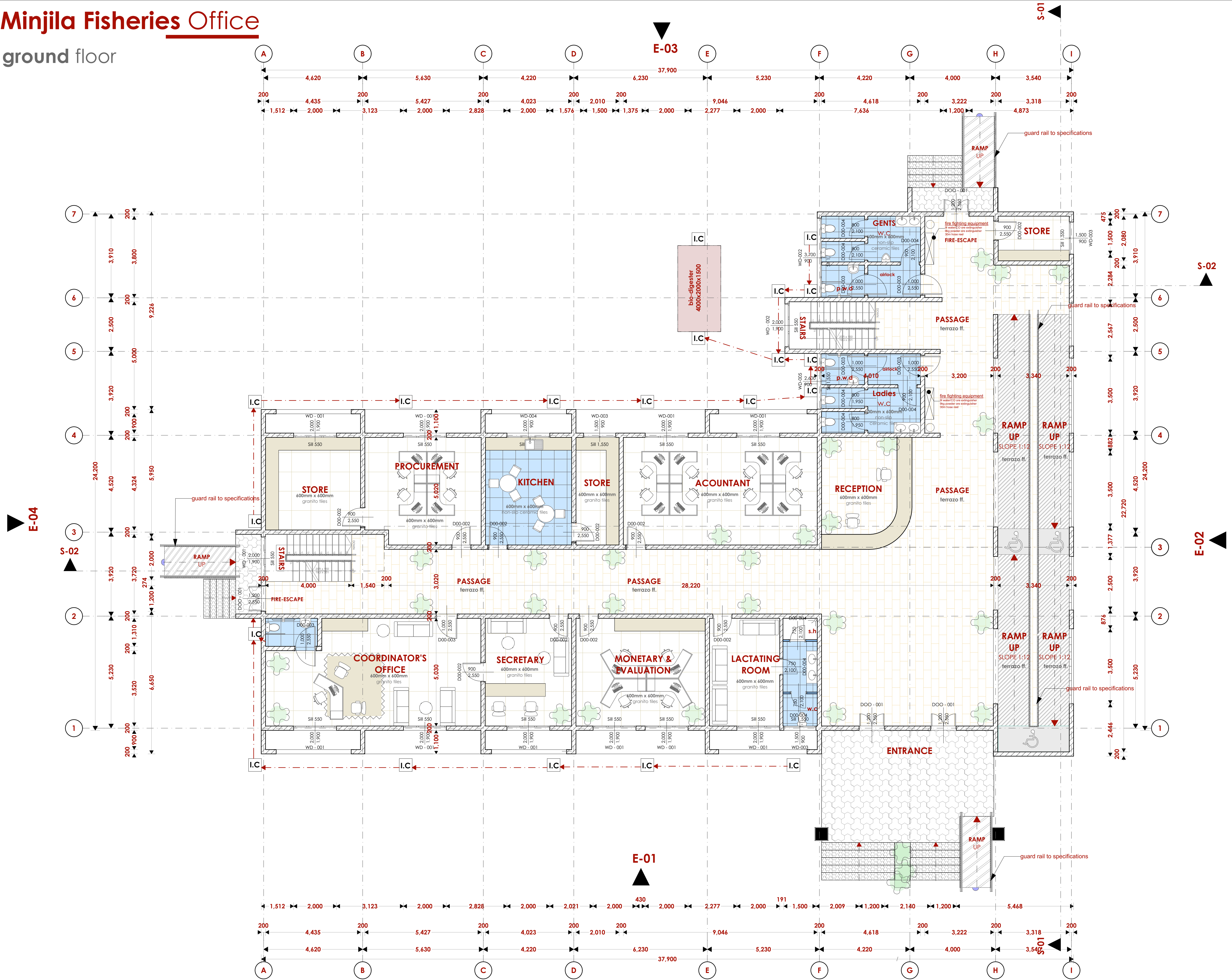
Date:JAN 2024 Drawing No. **03-001-001**

Scale 1:100



Minjila Fisheries Office

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 at 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.
  - "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
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
wc	water closet
shw	shower
cc	centre to centre
st. eng/S.E.	structural engineer
dpc	damp proof course-under all g.d. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by:- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552)	Checked by:- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122)
--	---	---

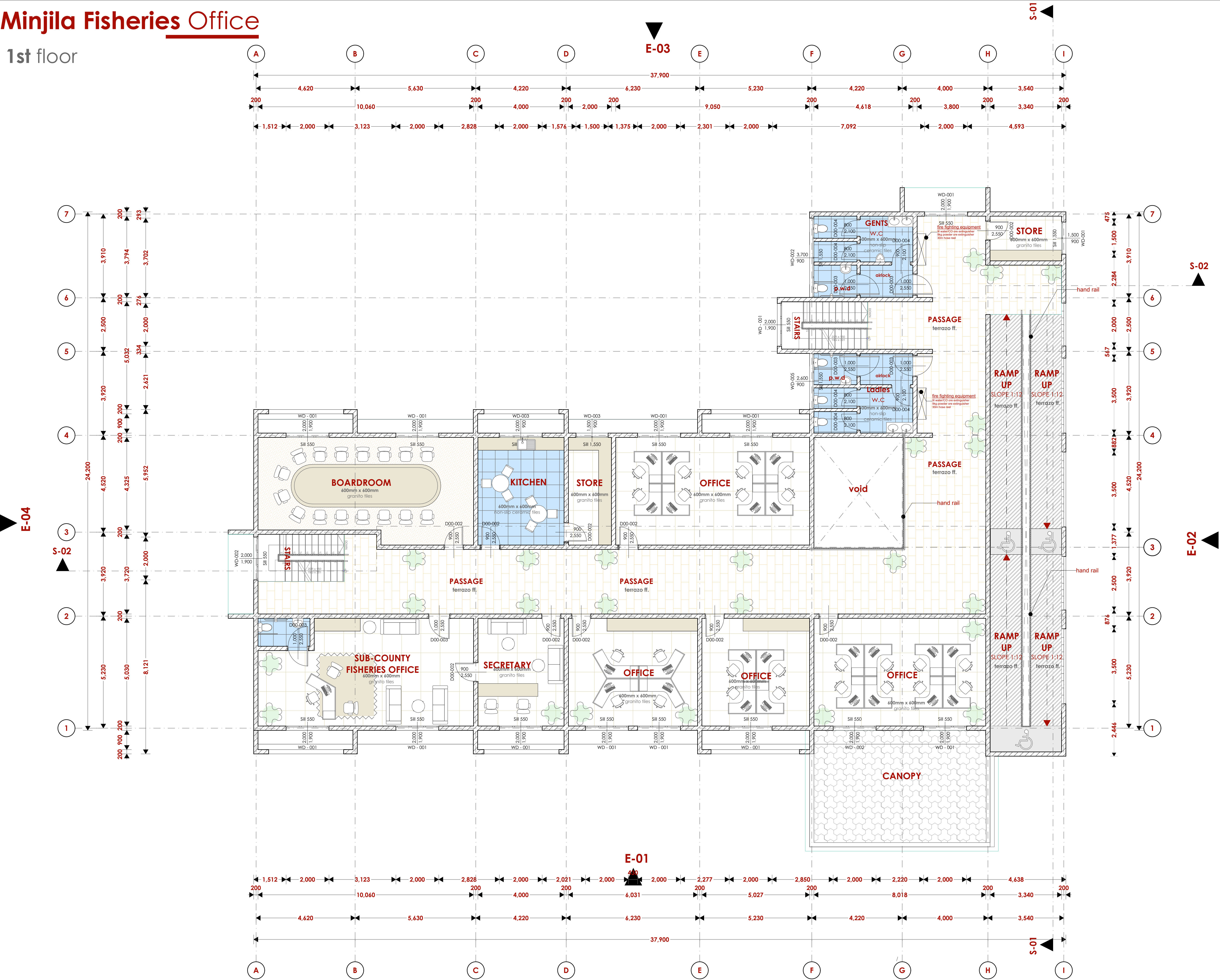
Date:JAN 2024 Drawing No. **03-001-002**

Scale 1:100



Minjila Fisheries Office

1st 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 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 assessed 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 drains 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.
- FINISH**
- +Initial water ring main with fire hydrant with 2.5" instantaneous coupling adaptors
  - +Provide underground water tank with automatic electric booster pump for dry 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
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 ground level
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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122)
--	--	--

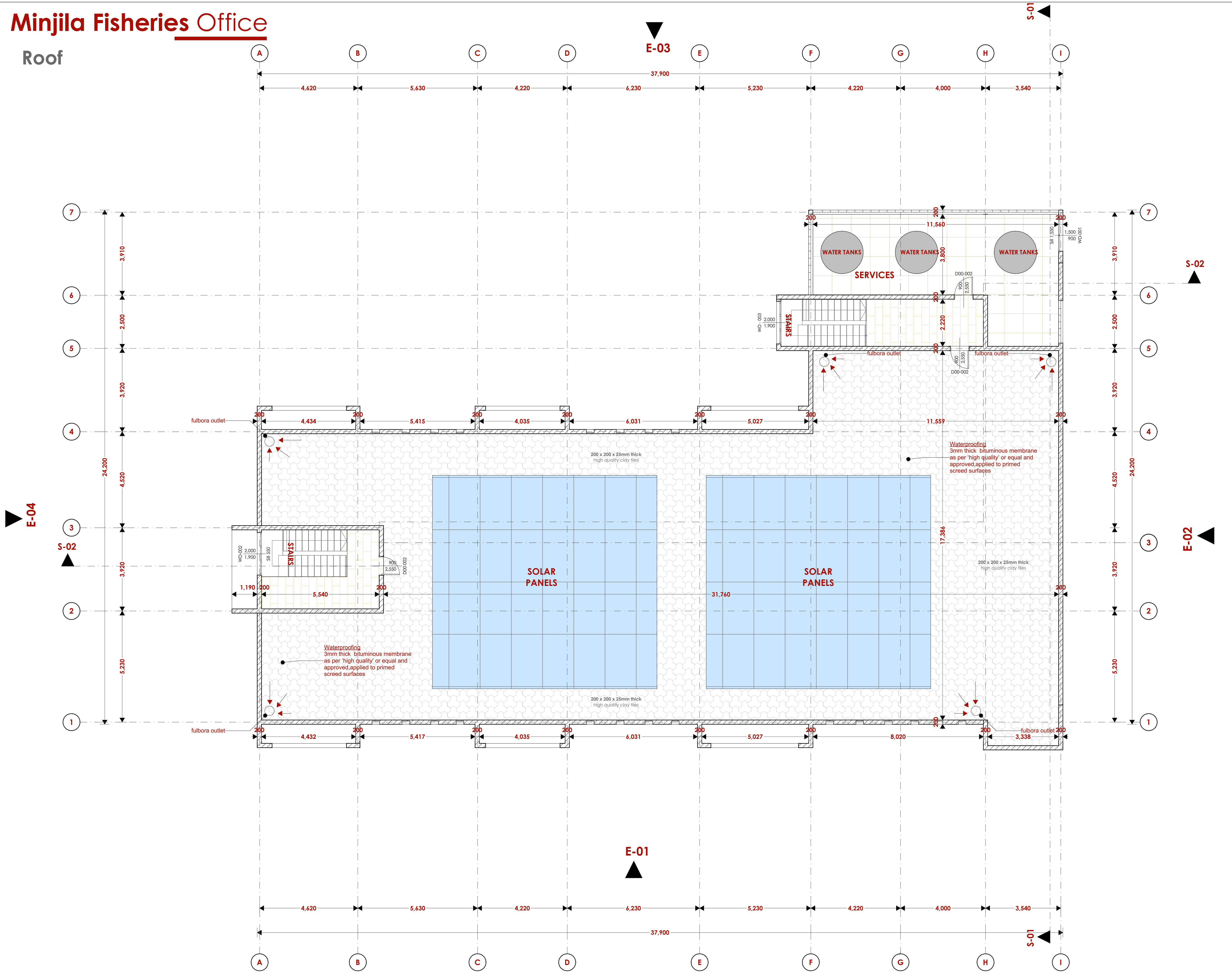
Date:JAN 2024 Drawing No. **03-001-003**

Scale 1:100



# Minjila Fisheries Office

## Roof



### 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 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.
  - + "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.
- BBB**
- +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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122)
--	--	--

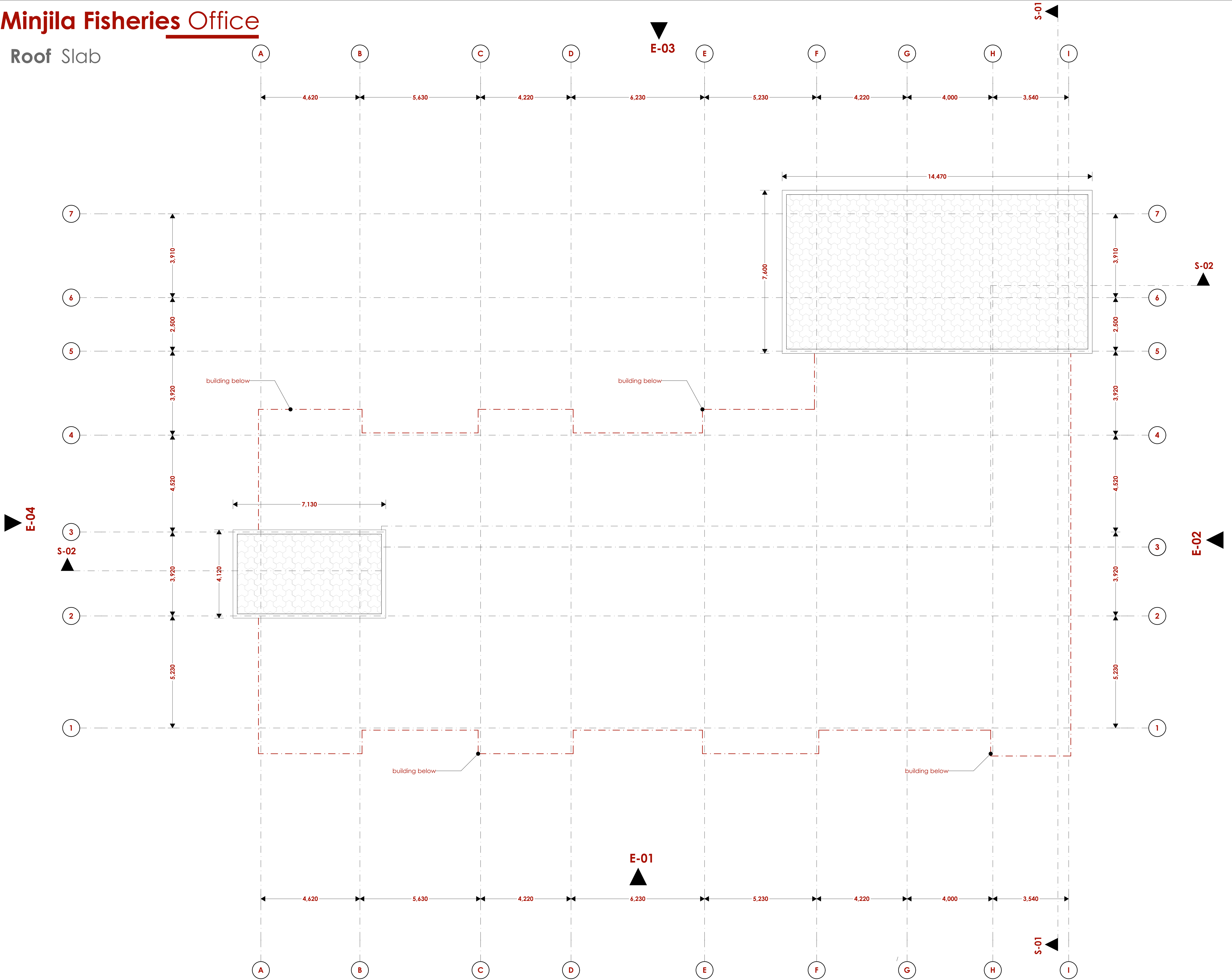
Date:JAN 2024 Drawing No. **03-001-004**

Scale 1:100



# Minjila Fisheries Office

## Roof Slab



### 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 durt 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-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 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**
- +Instal 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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

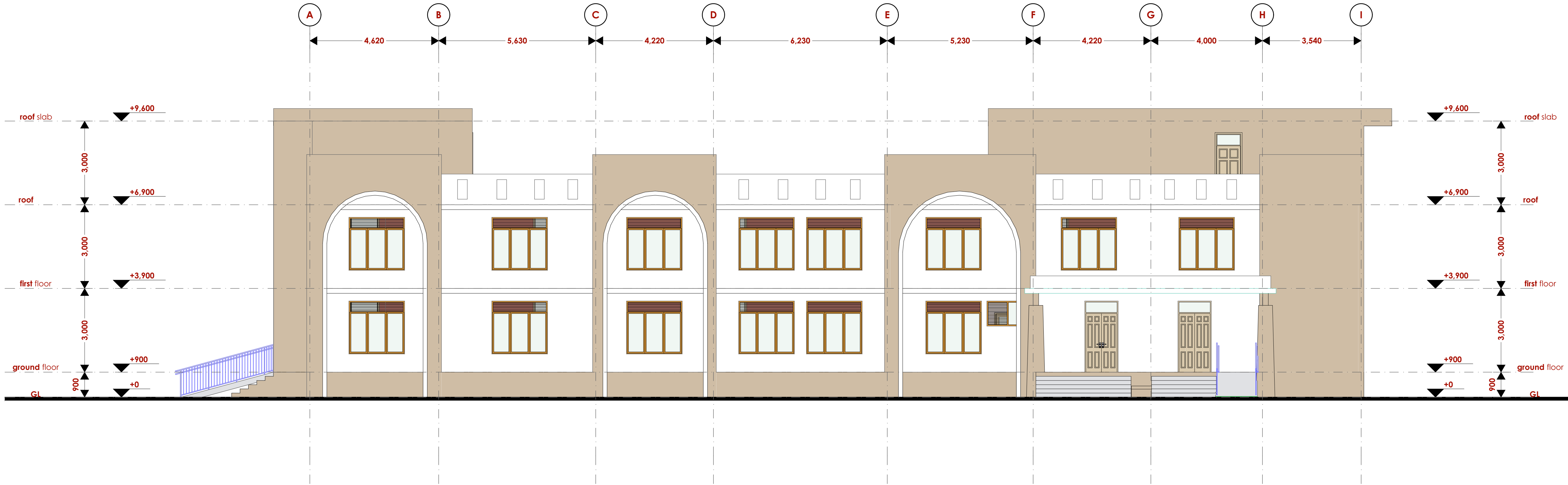
Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No. **03-001-005**

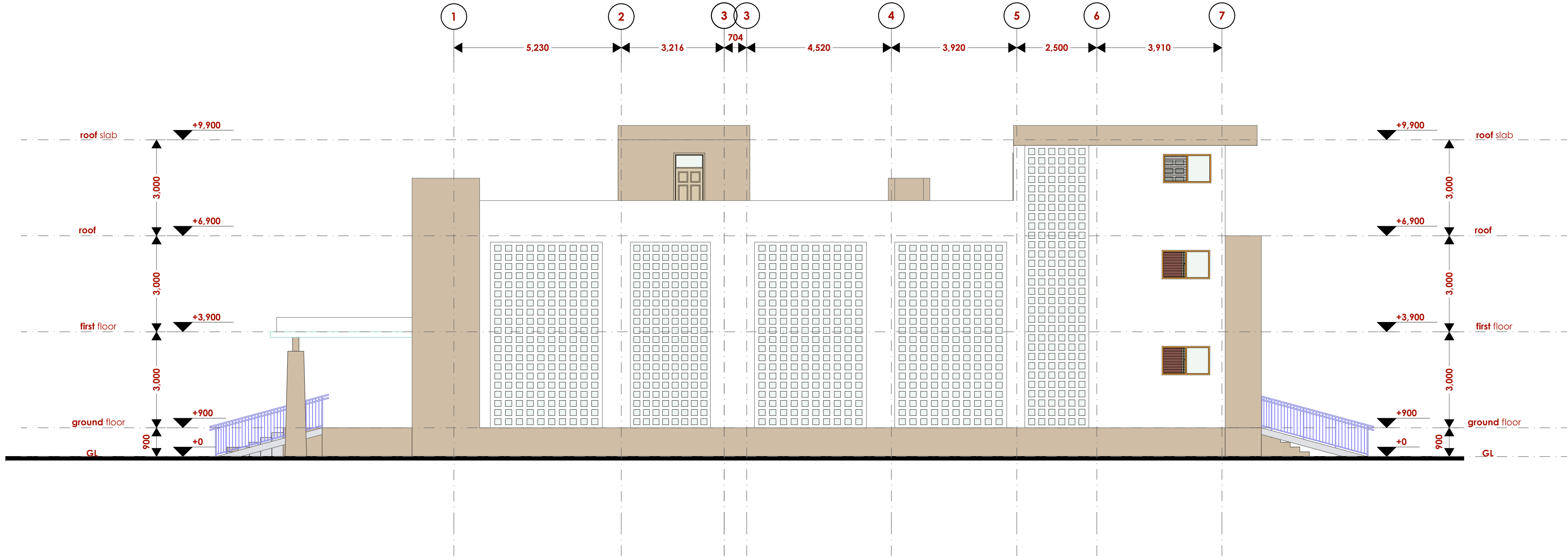
Scale 1:100

# Minjila Fisheries Office

## Elevations



Elevation 01



Elevation 02

### 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 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 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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

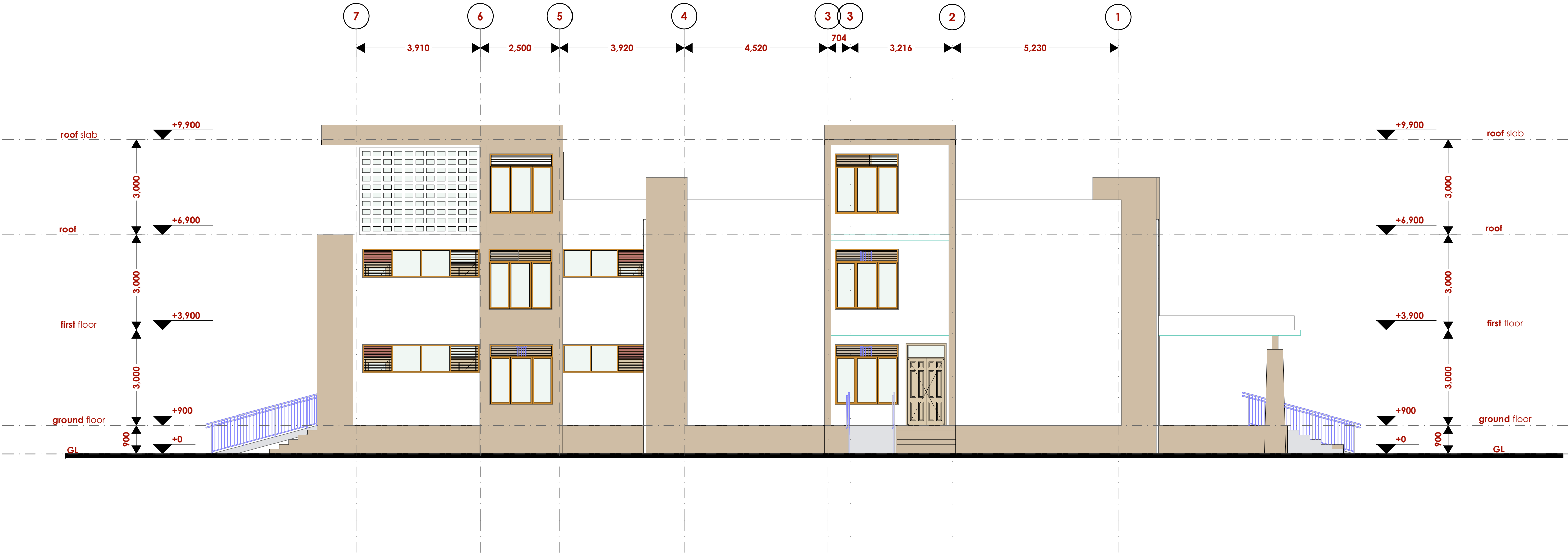
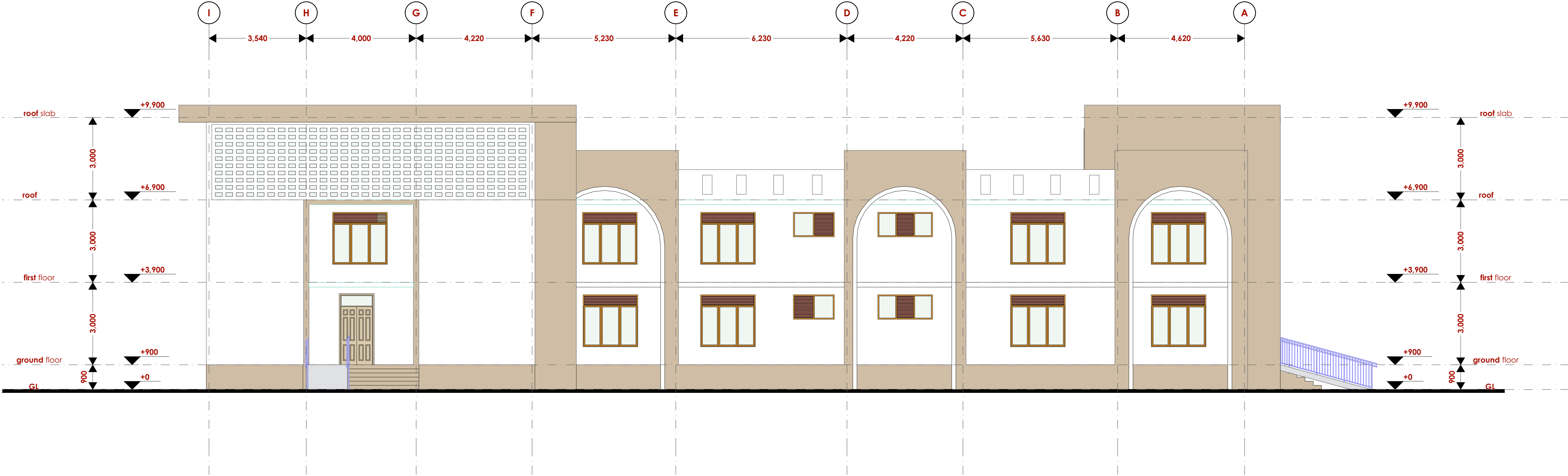
Date:JAN 2024 Drawing No. **03-001-006**

Scale 1:100



# Minjila Fisheries Office

## Elevations

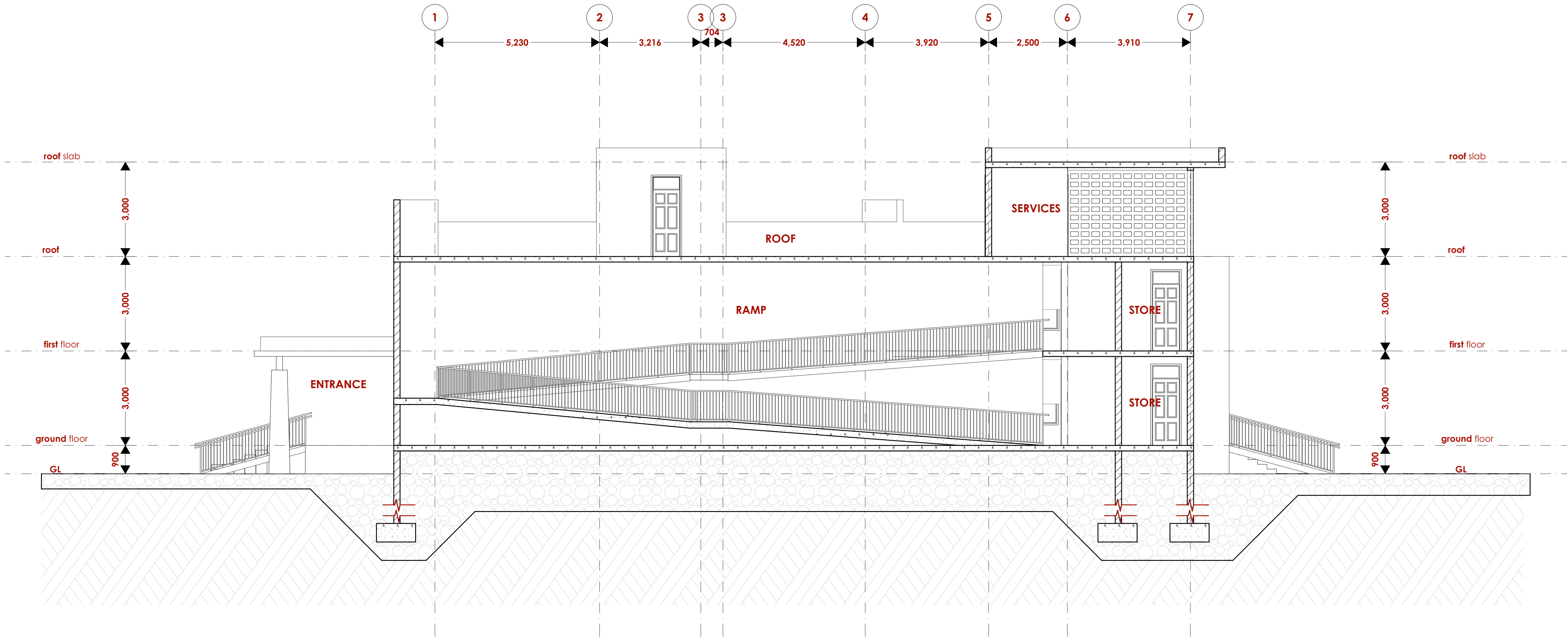


### NOTES

<b>GENERAL</b> +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.																																			
<b>CONSTRUCTION</b> + 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 dart 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.																																			
<b>CIVIL WORKS</b> +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.																																			
<b>STRUCTURAL</b> +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.																																			
<b>MECHANICAL</b> +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.																																			
<b>ELECTRICAL</b> +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.																																			
<b>BBB</b> + 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																																			
<table><tr><th>Abbreviations</th><th>Meaning</th></tr><tr><td>svp</td><td>soil vent pipe</td></tr><tr><td>mh</td><td>man hole</td></tr><tr><td>ic</td><td>inspection chamber</td></tr><tr><td>rec</td><td>reinforced cement concrete</td></tr><tr><td>gt</td><td>gully trap</td></tr><tr><td>ss sink</td><td>stain-less steel sink</td></tr><tr><td>whb</td><td>wash hand basin</td></tr><tr><td>wc</td><td>water closet</td></tr><tr><td>shw</td><td>shower</td></tr><tr><td>cc</td><td>centre to centre</td></tr><tr><td>st. eng/S.E.</td><td>structural engineer</td></tr><tr><td>dpc</td><td>damp proof course-under all grd. fl. wallings</td></tr><tr><td>dpm</td><td>damp proof membrane</td></tr><tr><td>gl</td><td>ground level</td></tr><tr><td>pv</td><td>permanent ventilation-on all windows &amp; doors except on internal toilet doors.</td></tr></table>				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	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.
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																																		
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 : <b>PROPOSED KENYA MARINE FISHERIES AND SOCIO-ECONOMIC DEVELOPMENT</b>																																			
Plot L . R. No.:																																			
Location : <b>MINJILA</b>																																			
Client : <b>STATE DEPARTMENT FOR FISHERIES AQUACULTURE AND THE BLUE ECONOMY</b>																																			
Signature .....																																			
Subject : <b>MINJILA FISHERIES OFFICE</b>																																			
Consultancy : ARPRIM CONSULTANTS P.O BOX 12969-0040 NAIROBI TEL: 020-884312/8 Website :www.arprimconsultants.com																																			
Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )																																	
Date:JAN 2024 Drawing No. <b>03-001-007</b>																																			
Scale 1:100																																			

Minjila Fisheries Office

Section 01



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 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 MEI 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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122 )
--	---	---

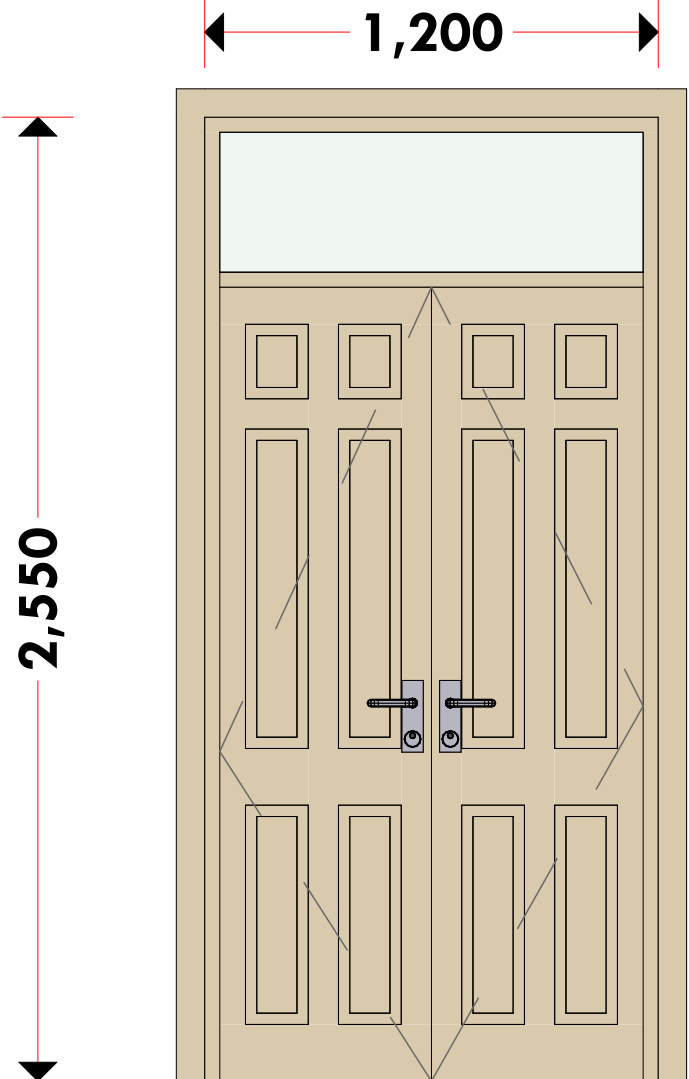
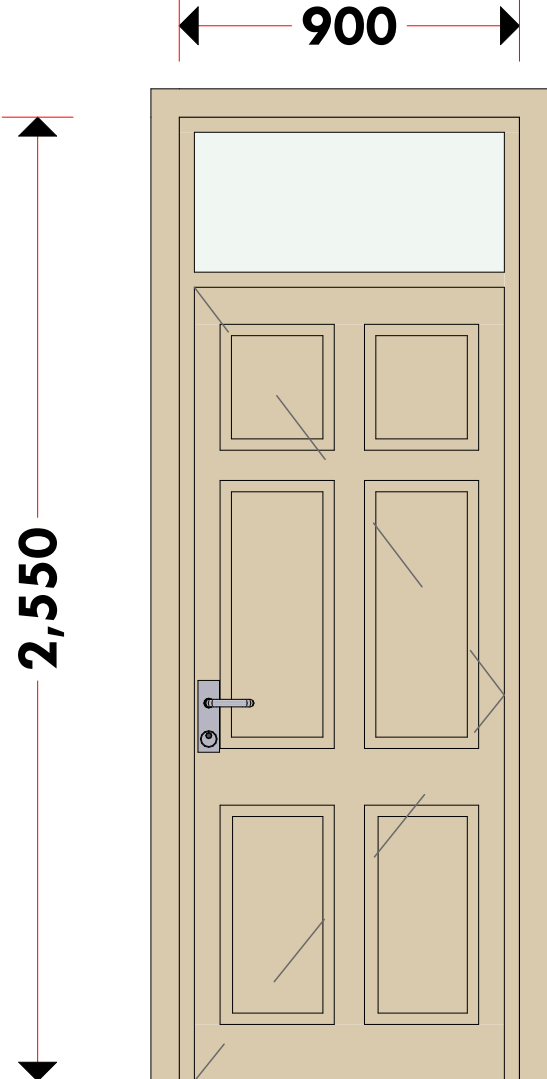
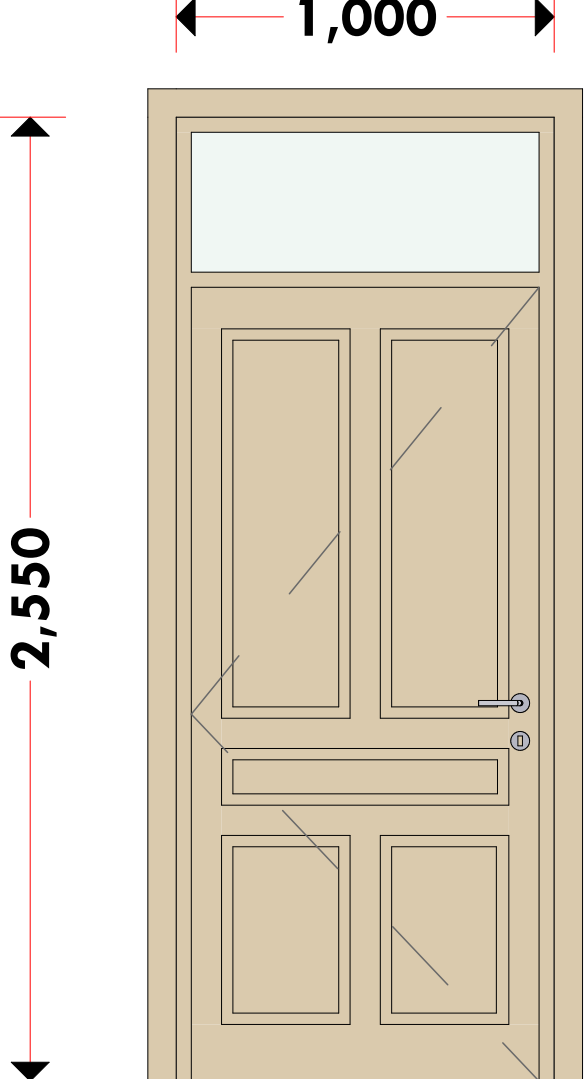
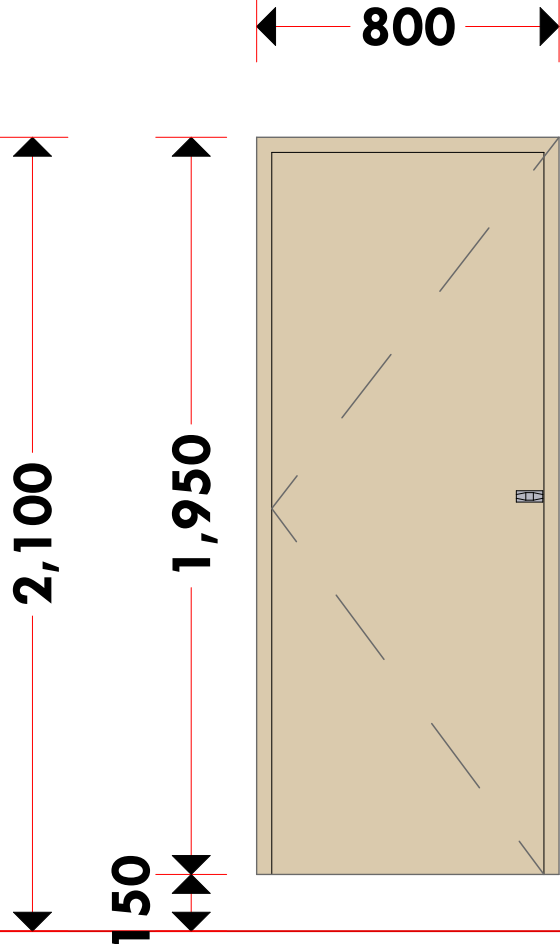
Date:JAN 2024 Drawing No . **03-001-008**

Scale 1:100



Minjila Fisheries Office

Door Schedules

			
DOO -001	DOO -002	DOO -003	DOO -004
1200*2550MM HARDWOOD MVULE PANELLED DOUBLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	900*2550MM HARDWOOD MVULE PANELLED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	1000*2550MM HARDWOOD MVULE PANELLED SINGLE LEAF DOOR-DOUBLE ACTING IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS	800*1950MM HARDWOOD MVULE PANELLED SINGLE LEAF DOOR IRON MONGERY DETAILS AS PER BoQ SPECIFICATIONS
ENTRANCE/EXIT DOORS	OFFICES	WC's	WC's
4 NO .	20 NO .	8 NO .	8 NO .

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 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. 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 : **MINJILA**

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

Signature .....

Subject : **MINJILA FISHERIES OFFICE**

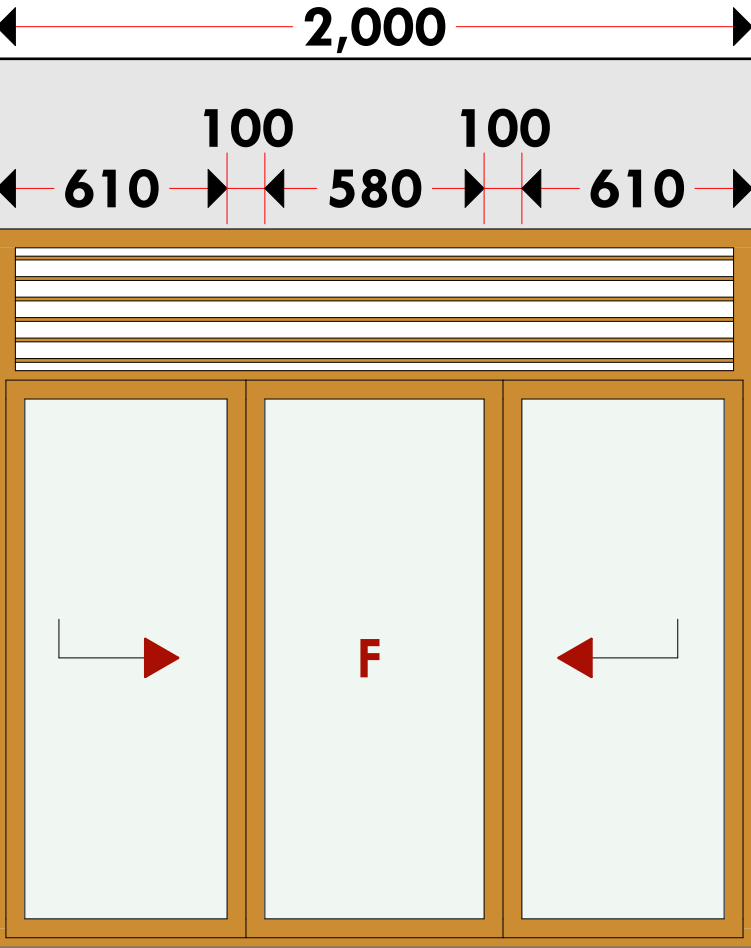
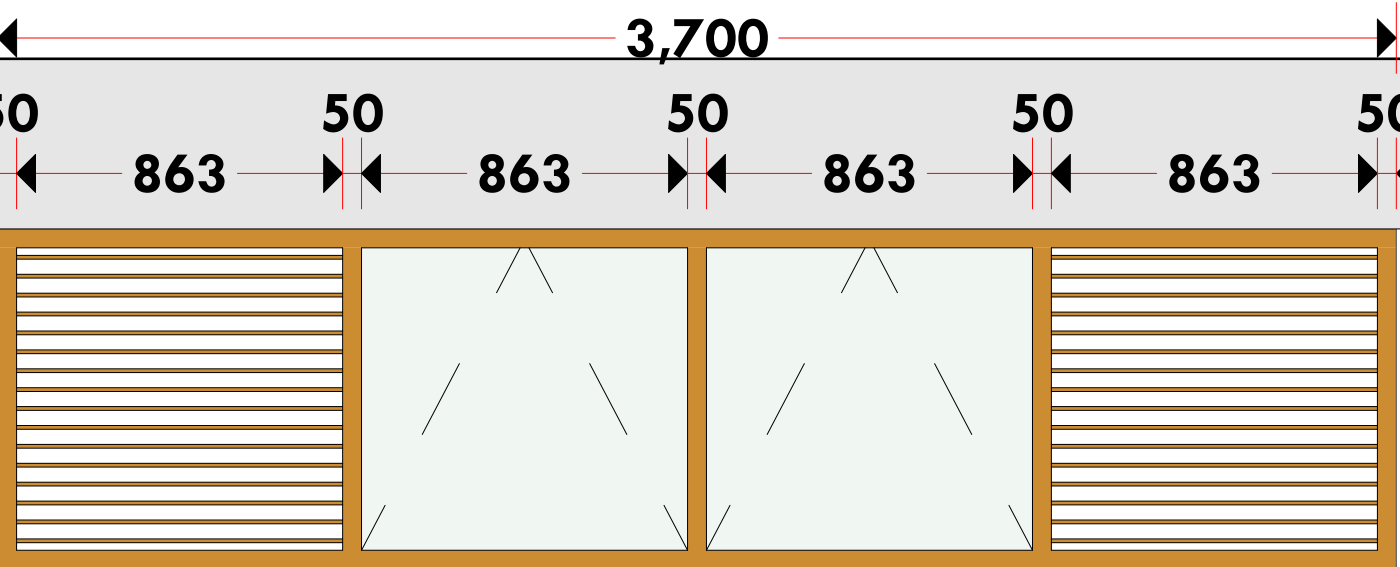
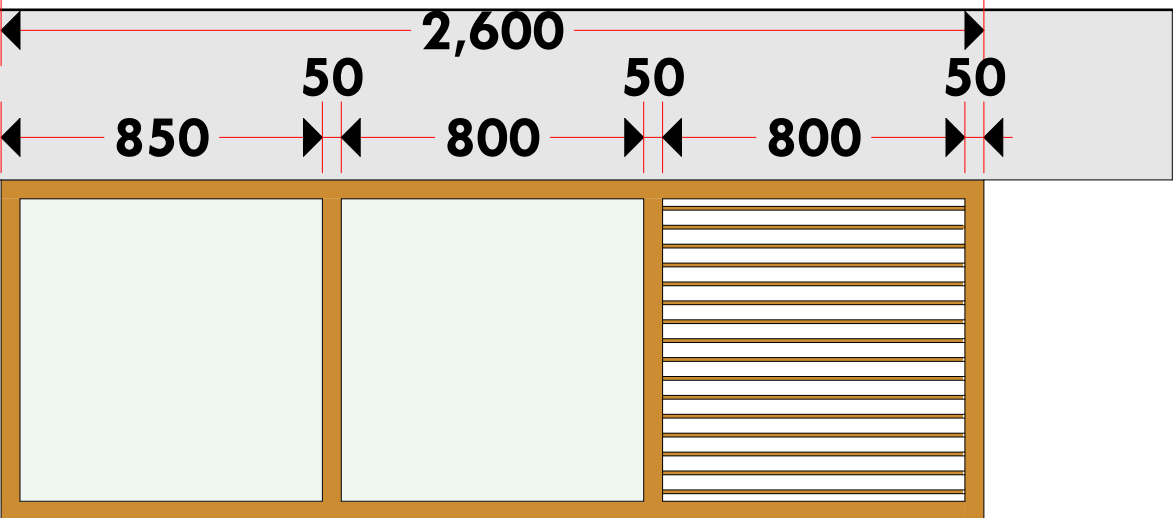
Consultancy :  
ARPRIM CONSULTANTS  
P.O BOX 12969-0040 NAIROBI  
TEL: 020-884312/8  
Website :www.arprimconsultants.com

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No . **03-001-009**

Scale 1:100

Window Schedules

WINDOW DESIGN						
	WD -001		WD -002		WD -005	
	22		2		2	
	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.		powder coated aluminium framed top-hung windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.		powder coated aluminium framed top-hung windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.	

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

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. 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 : **MINJILA**

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

Signature .....

Subject : **MINJILA FISHERIES OFFICE**

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No. **03-001-010**

Scale 1:100



Minjila Fisheries Office

Window Schedules

WINDOW DESIGN		
NAME	WD -003	WD -004
QUANTITY	5	2
LOCATION		
SPECIFICATIONS	powder coated aluminium framed top-hung windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.	powder coated aluminium framed top-hung windows complete with ironmongery, mullions, transomes, railing and necessary intermediate reinforcement elements including all weather strips, rubber glazing strips,couplings, sliding rails bars, window cills and window boards, quadrant & painted externally and internally; panes fixed with 6mm thick one way glass fixed with beadings.

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 dart 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 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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No . **03-001-011**

Scale 1:100

Minjila Fisheries Office

3D perspectives



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 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 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
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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJU</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No . **03-001-0012**

Scale 1:100



Minjila Fisheries Office

3D perspectives



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 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
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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No . **03-001-013**

Scale 1:100

Minjila Fisheries Office

3D perspectives



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 durt 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 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
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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJU</b> B. Arch. (Hons) M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122 )
--	---	---

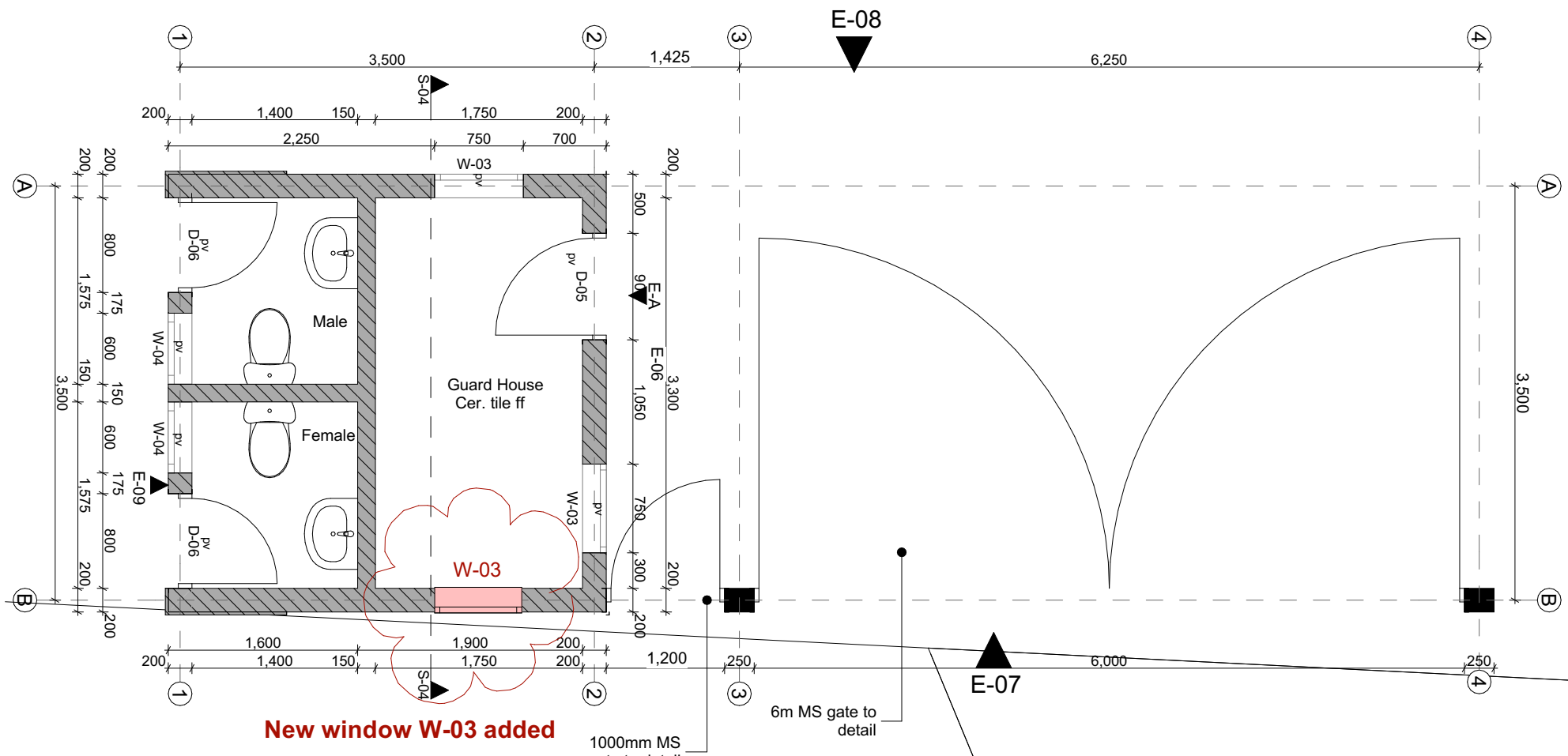
Date:JAN 2024 Drawing No . **03-001-014**

Scale 1:100

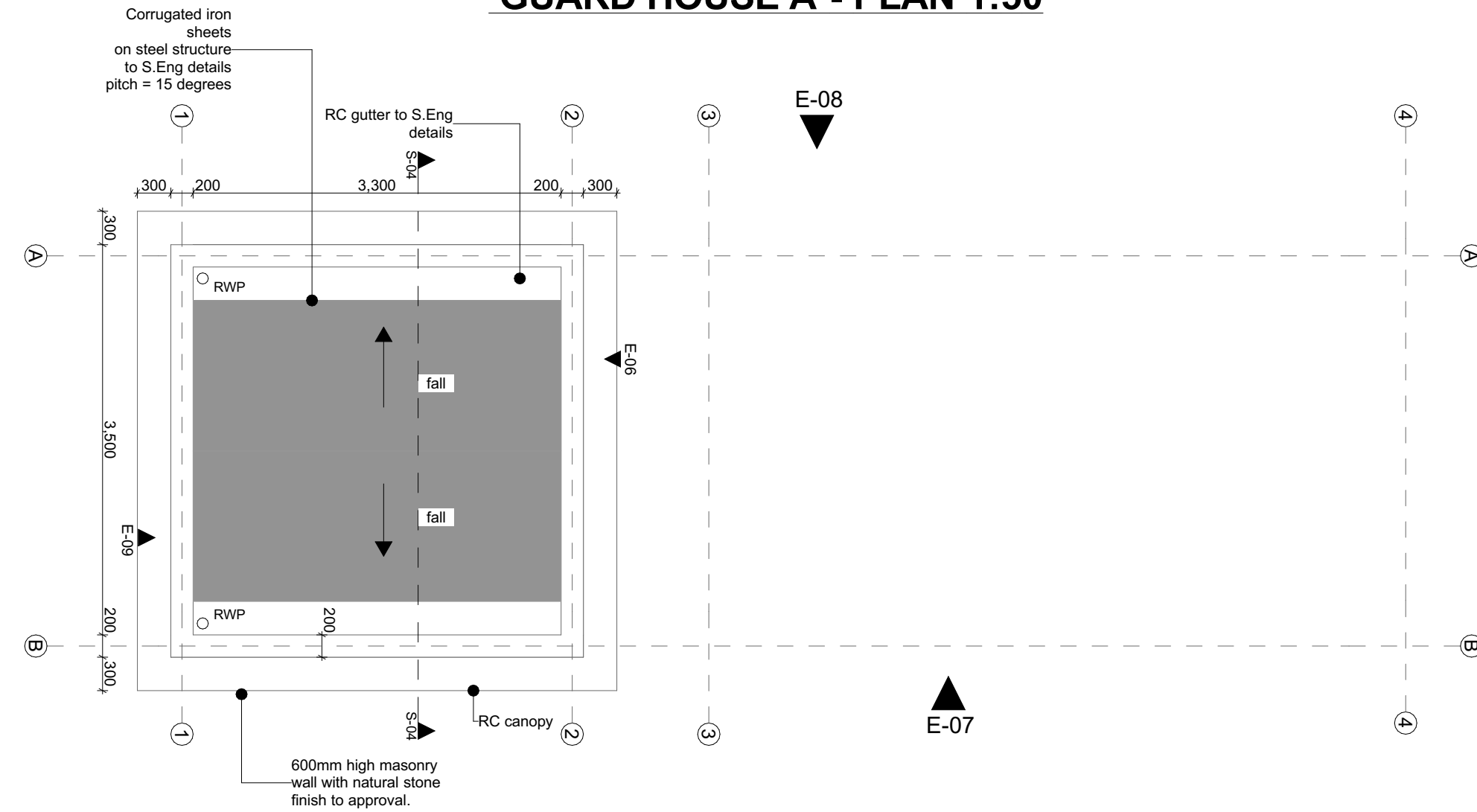


Minjila Fisheries Office

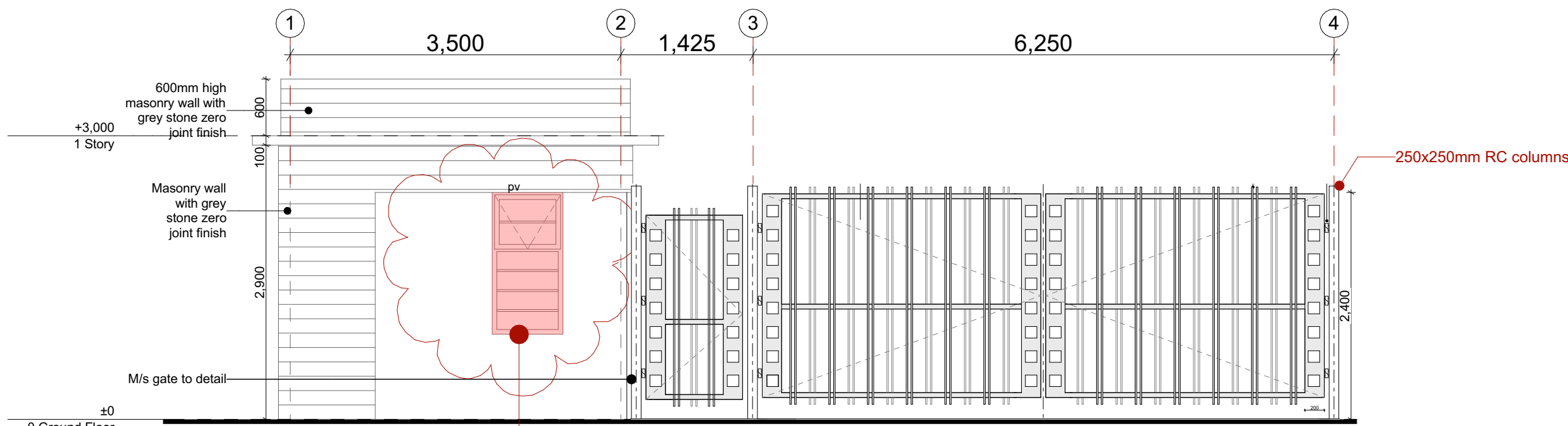
Guard House



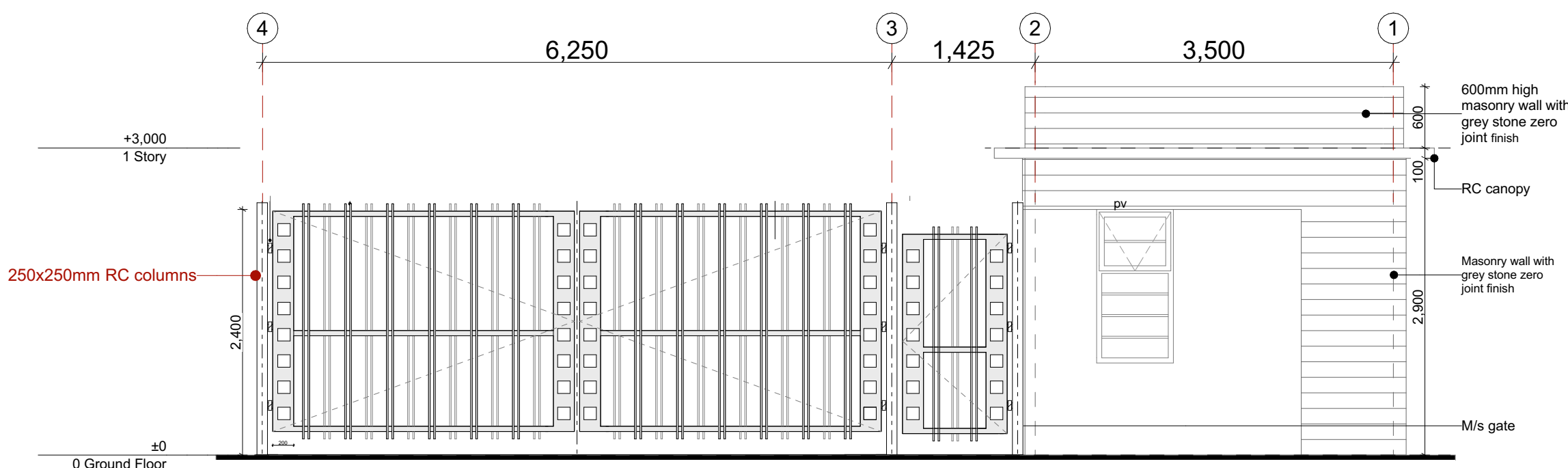
GUARD HOUSE A - PLAN 1:50



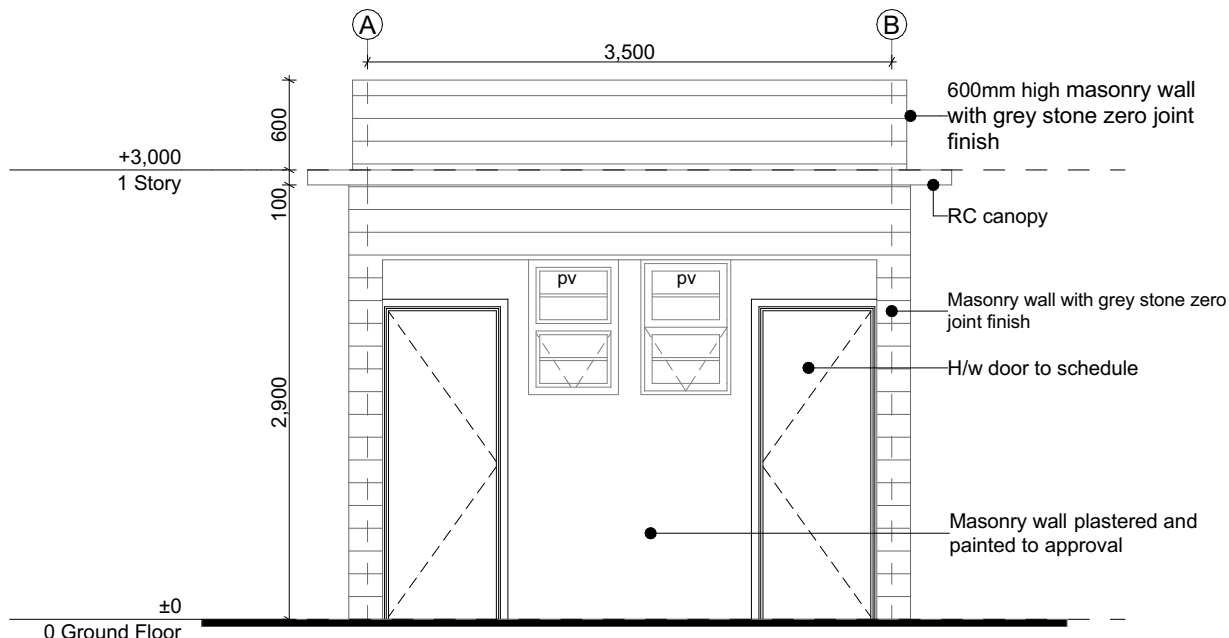
GUARD HOUSE A - ROOF PLAN 1:50



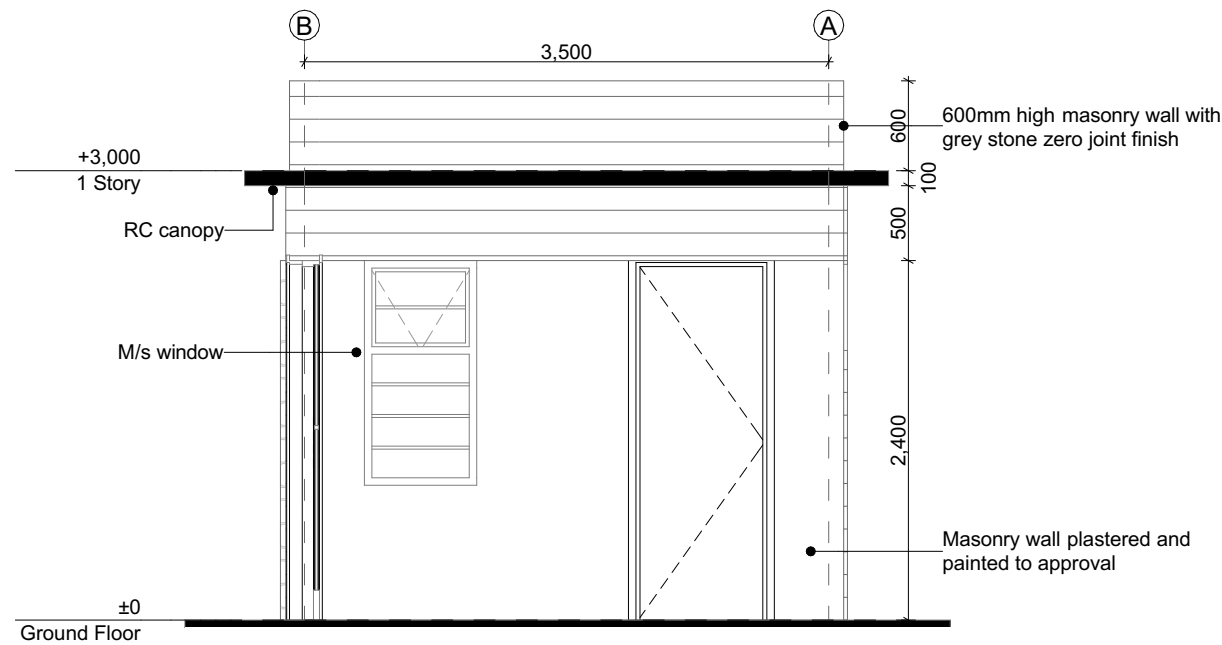
GUARD HOUSE A - FRONT ELEVATION 07 1:50



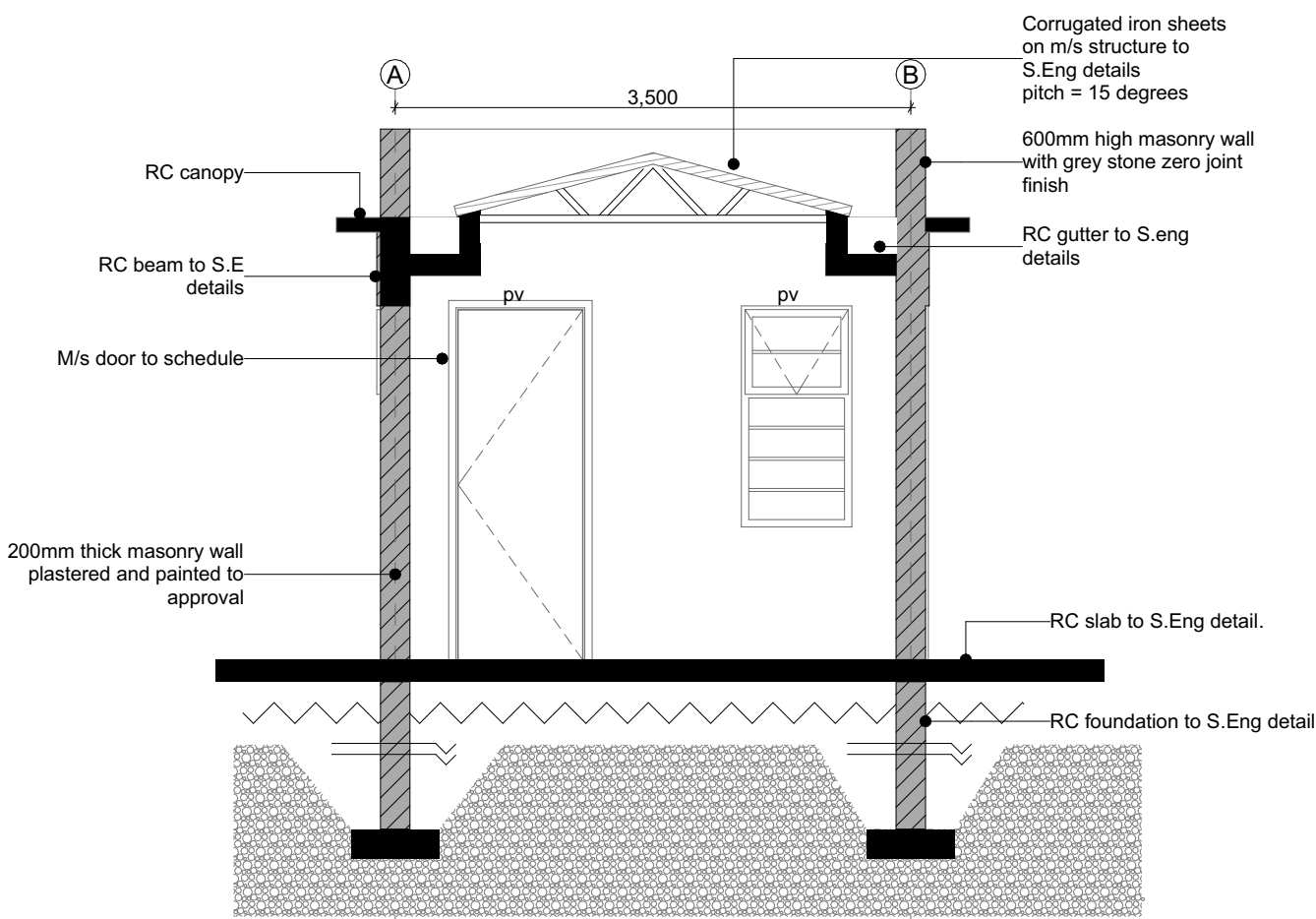
GUARD HOUSE A - REAR ELEVATION 08 1:50



GUARD HOUSE 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 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 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

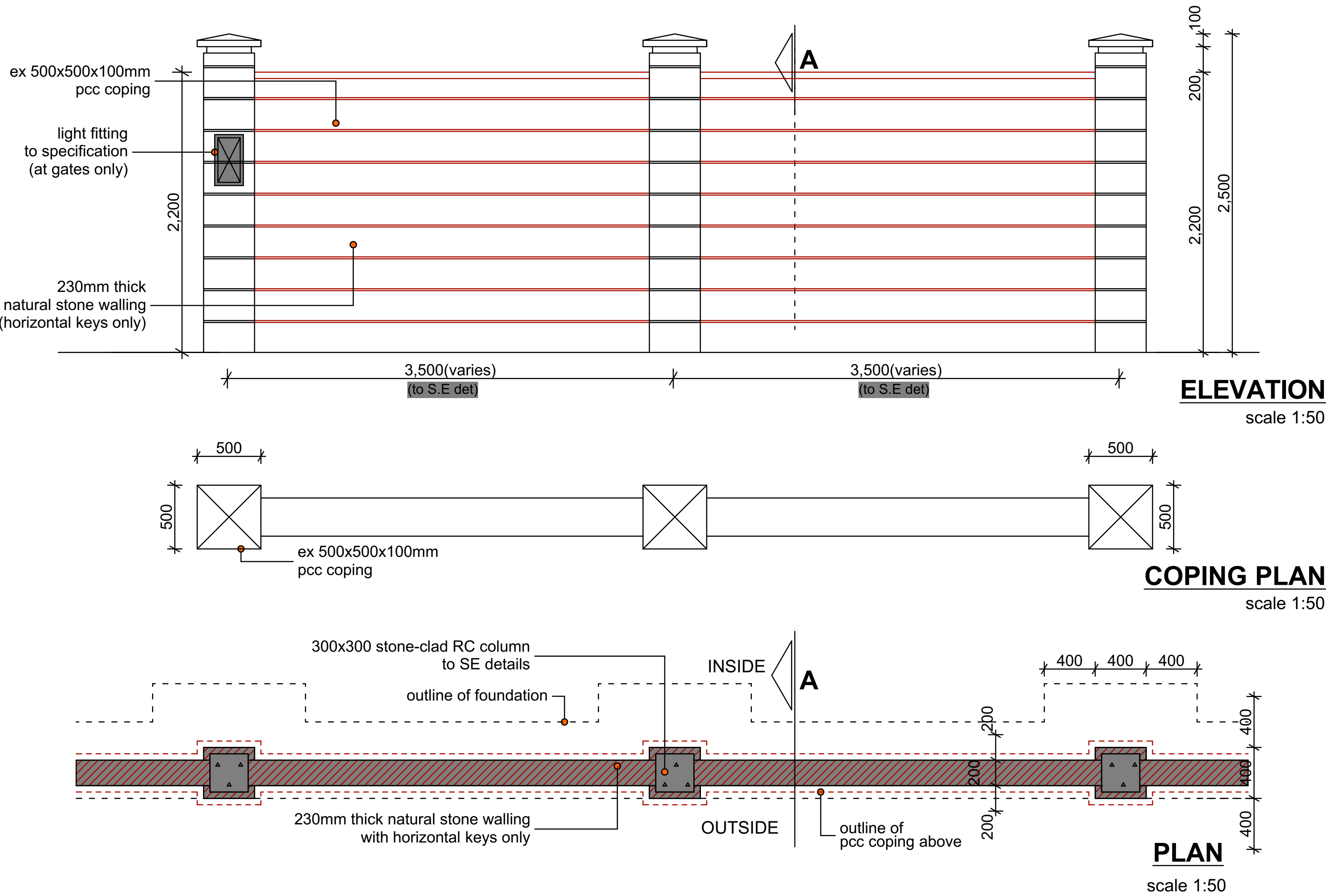
Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1552 )	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) . M. Arch. (reg. No.A1122 )
--	---	---

Date:JAN 2024 Drawing No. **03-001-015**

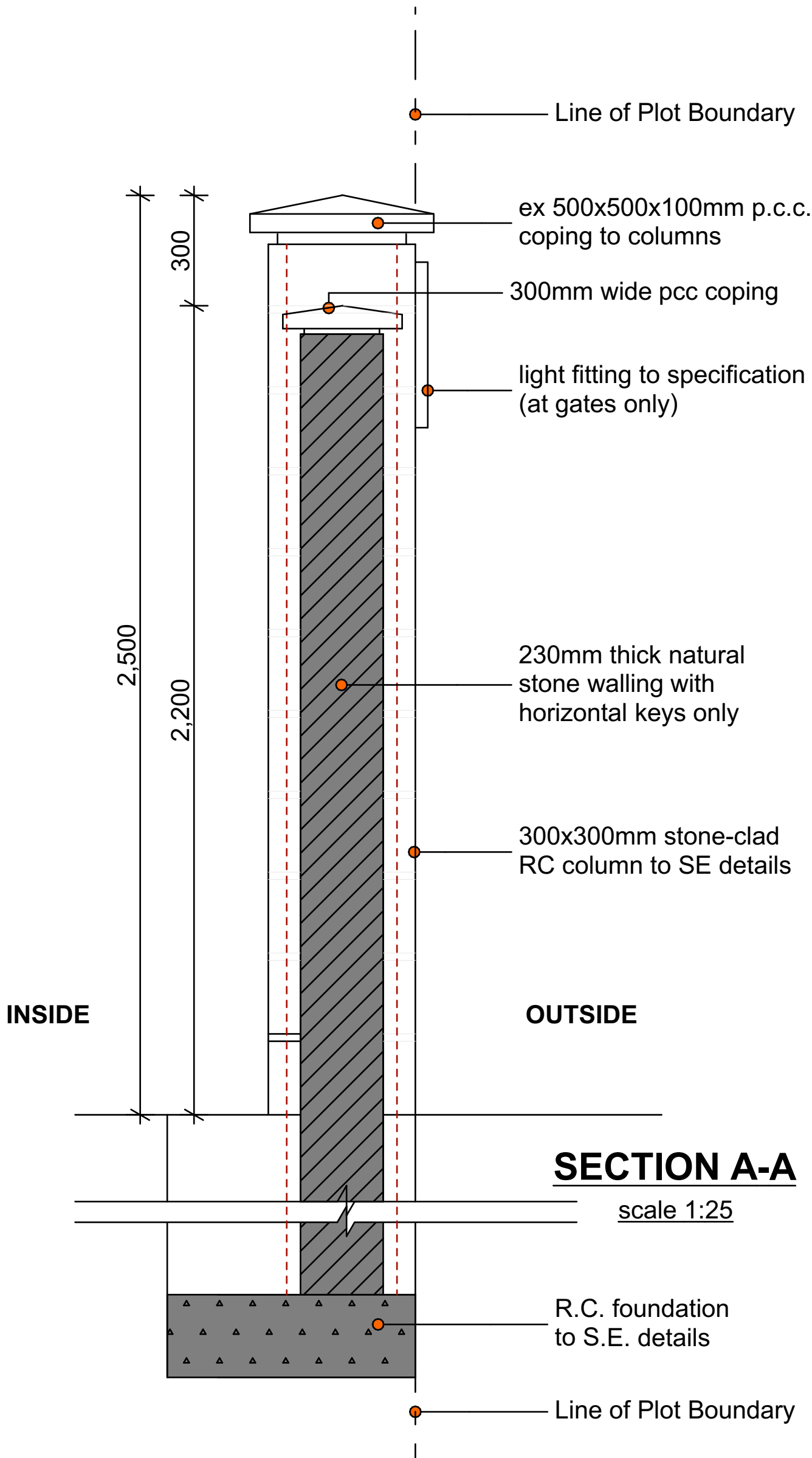
Scale 1:100

# Minjila Fisheries Office

## Boundary wall



EXTERNAL BOUNDARY WALL



SECTION A-A  
scale 1:25

### 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 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. 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 : **MINJILA**

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

Signature .....

Subject :

**MINJILA FISHERIES OFFICE**

Consultancy :

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

Drawn by: <b>CHRIS NGARE</b> B. Arch. (Hons)	Checked by :- <b>F. TUNDUJI</b> B. Arch. (Hons) M. Arch. (reg. No.A1552)	Checked by :- <b>J. MOMANYI</b> B. Arch. (Hons) M. Arch. (reg. No.A1122)
--	--	--

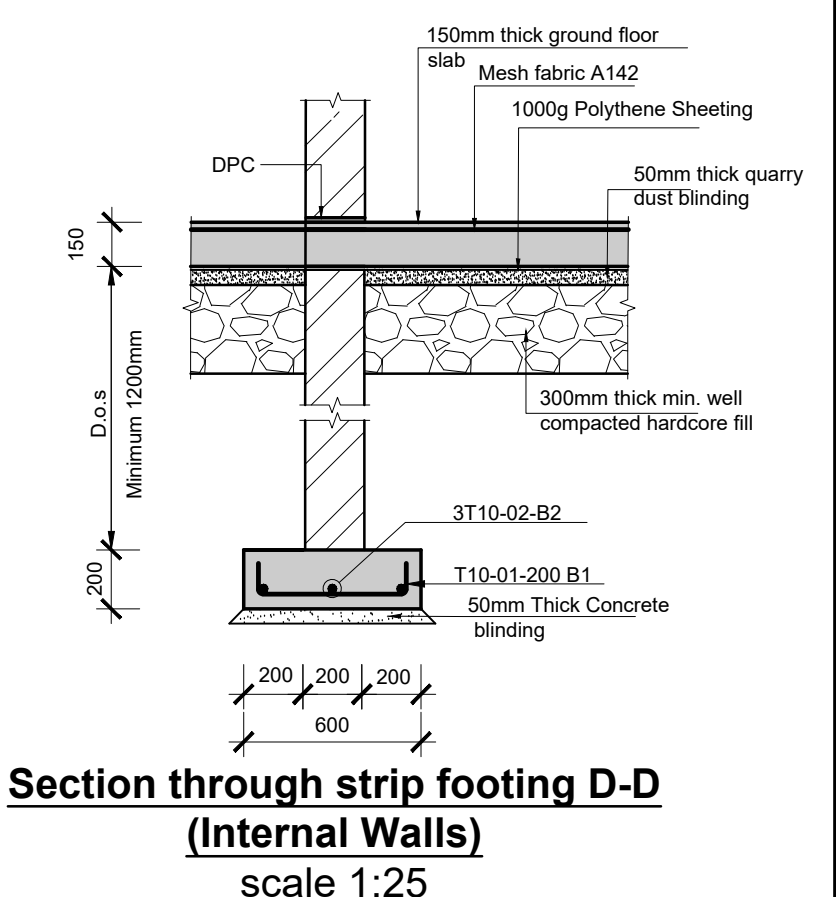
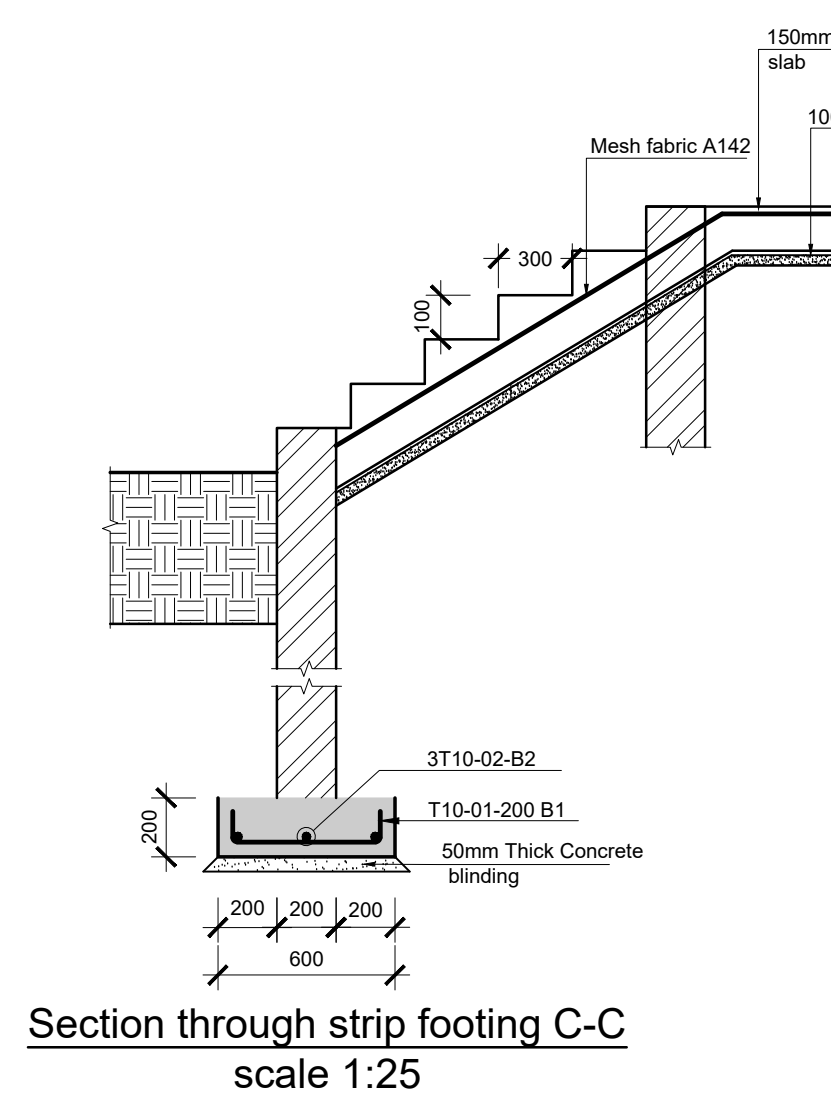
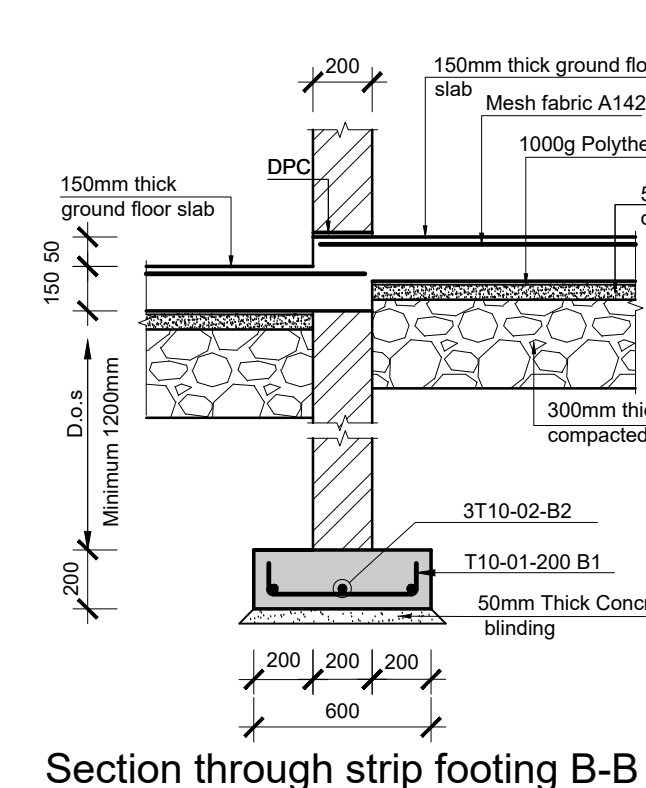
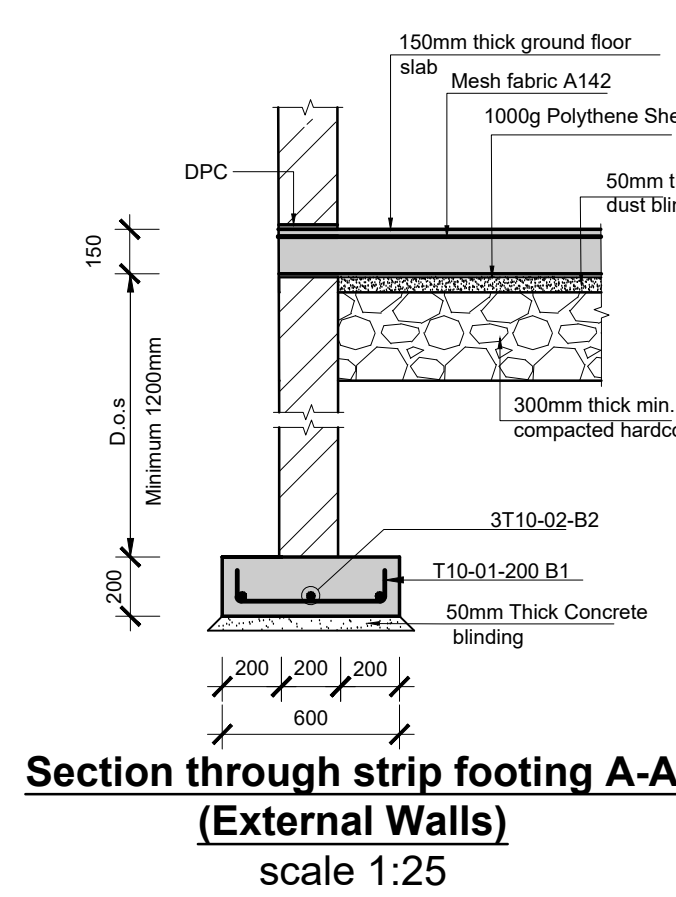
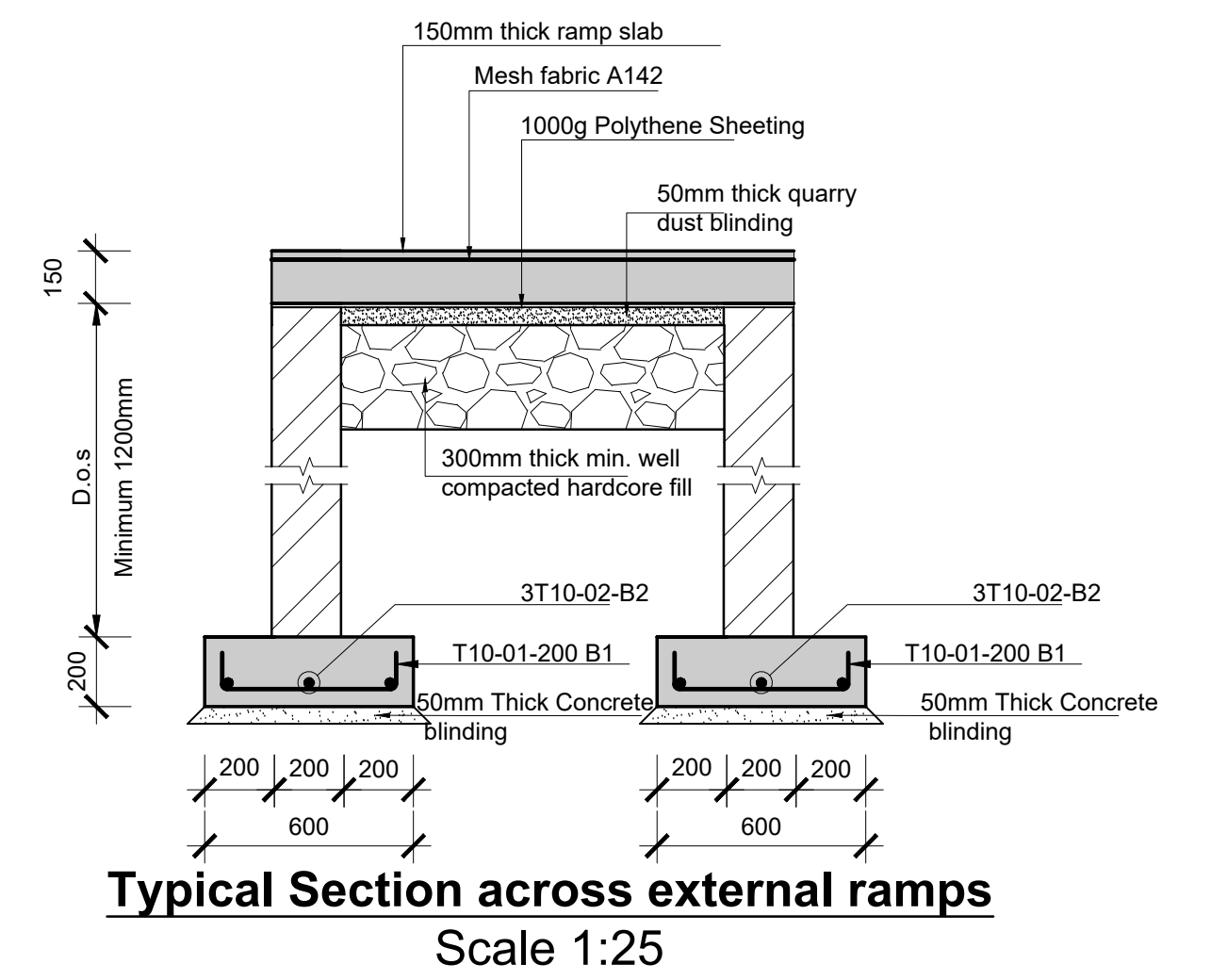
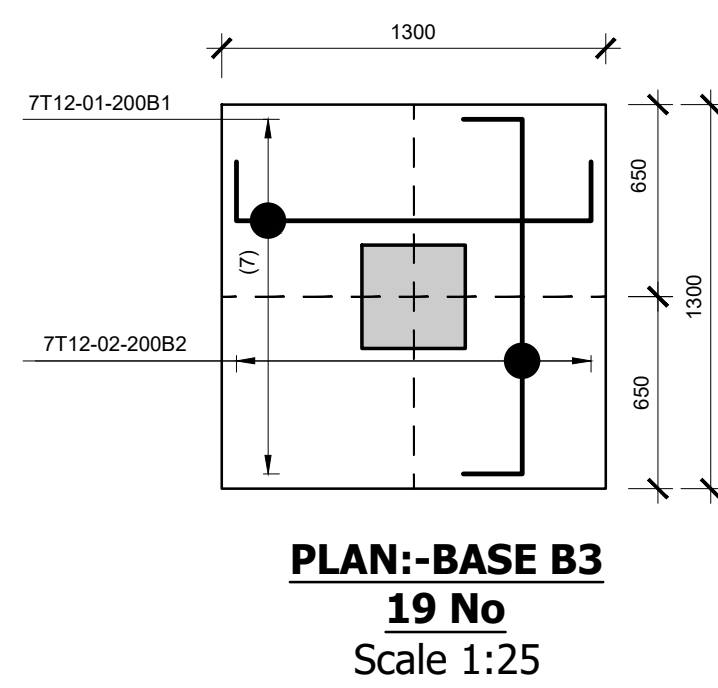
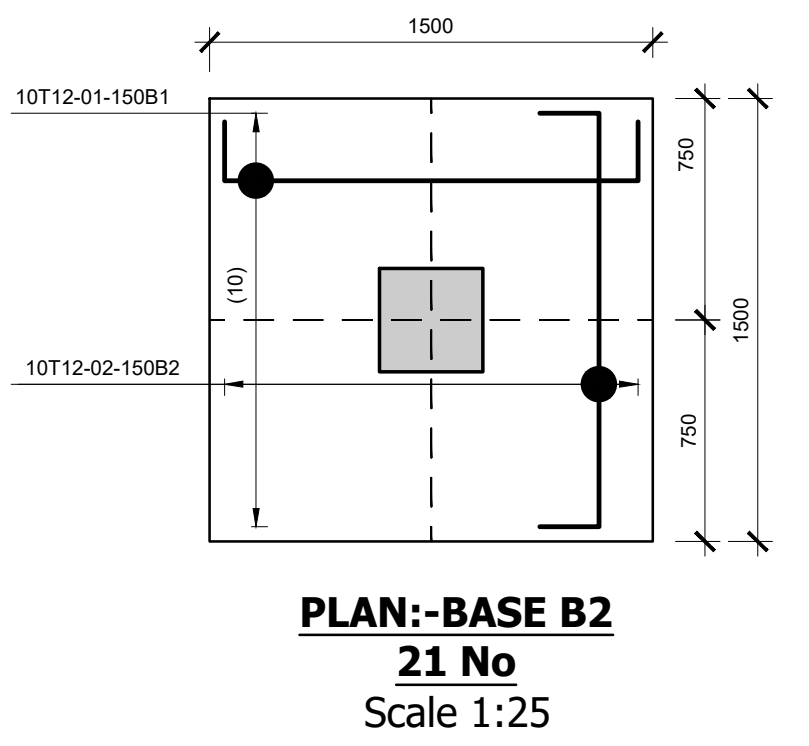
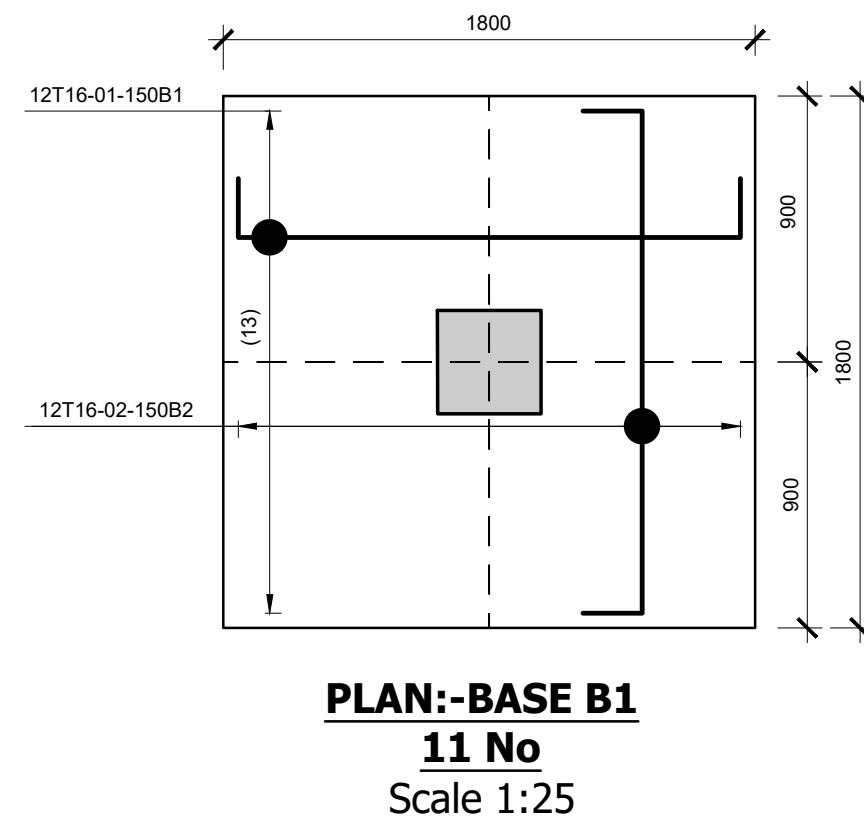
Date:JAN 2024 Drawing No. **03-001-016**

Scale 1:100



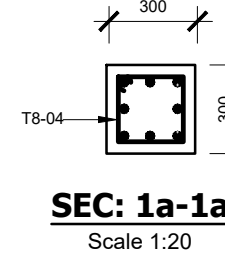
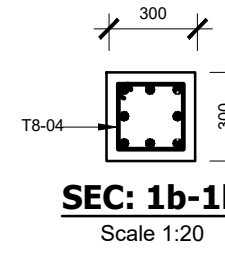
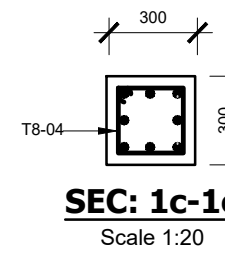
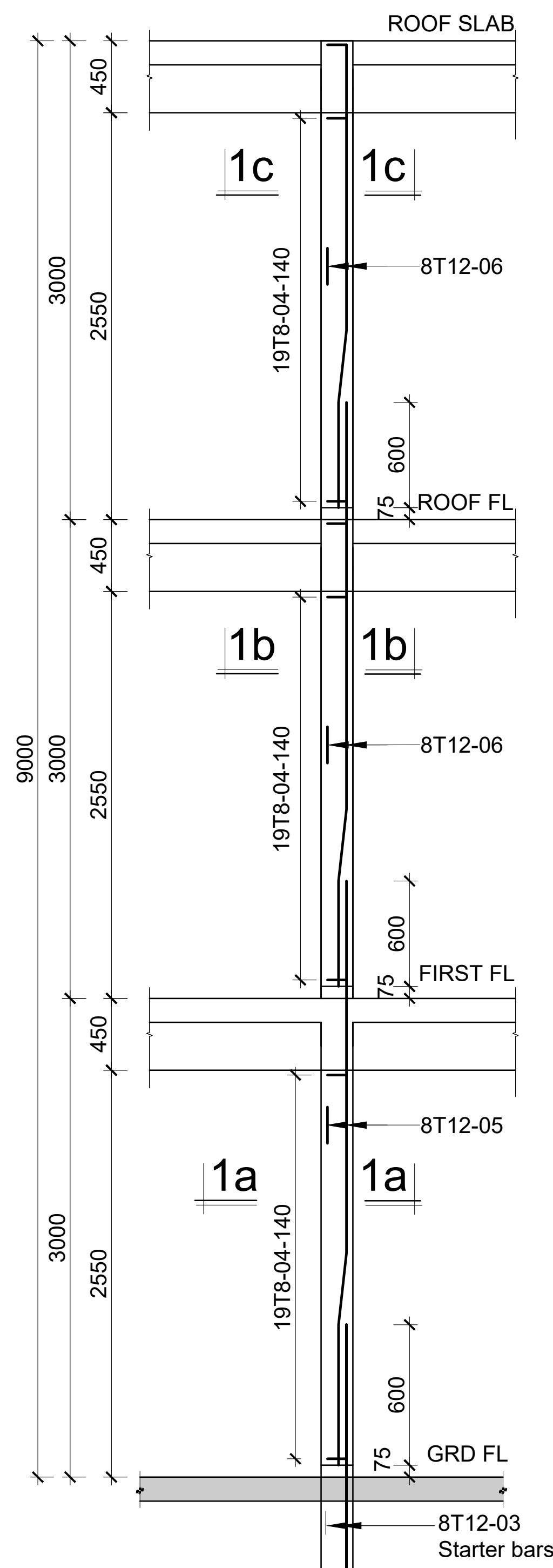
PROPOSED MINJILA CIVIL/STRUCTURAL DRAWINGS		
PAGE	DRAWING NUMBER	DRAWING TITLE
1	03-002S-001	DRAWING LIST
2	03-002S-002	FOUNDATION AND GROUND FLOOR LAYOUT AND BASES DETAILS
3	03-002S-003	COLUMN, STAIRCASE ,TANK AND PUMP PLINTH AND RAMP DETAILS
4	03-002S-004	FIRST FLOOR LAYOUT AND RC DETAILS
5	03-002S-005	ROOF FLOOR LAYOUT AND RC DETAILS
6	03-002S-006	ROOF SLAB LAYOUT AND RC DETAILS
7	03-002S-007	BEAM REINFORCEMENT DETAILS
8	03-002S-008	CIVIL WORKS-SITE LAYOUT AND BOUNDARY WALL DETAILS
9	03-002S-009	CIVIL WORKS (SHEET 1)
10	03-002S-010	CIVIL WORKS (SHEET 2)
11	03-002S-011	CIVIL WORKS (SHEET 3)
12	03-002S-012	BIO-DIGESTER DETAILS (SHEET 1)
13	03-002S-013	BIO-DIGESTER DETAILS (SHEET 2)
14	03-002S-014	GATE HOUSE DETAILS



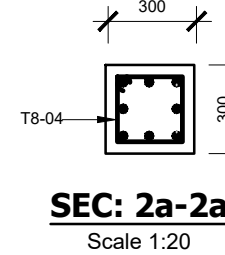
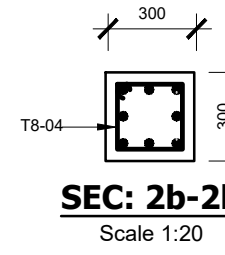
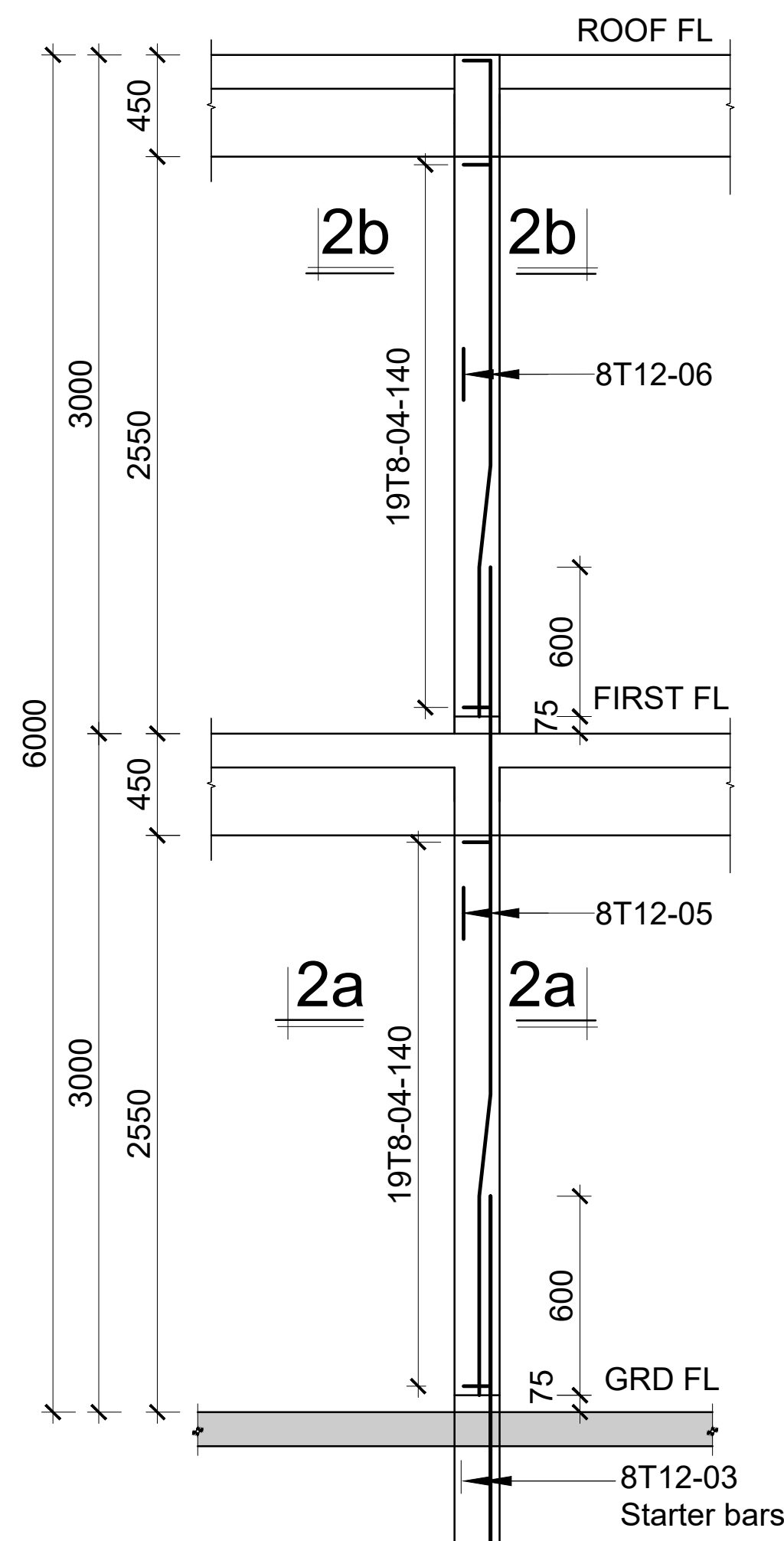


**DRAWING NO: 03-002S-002**

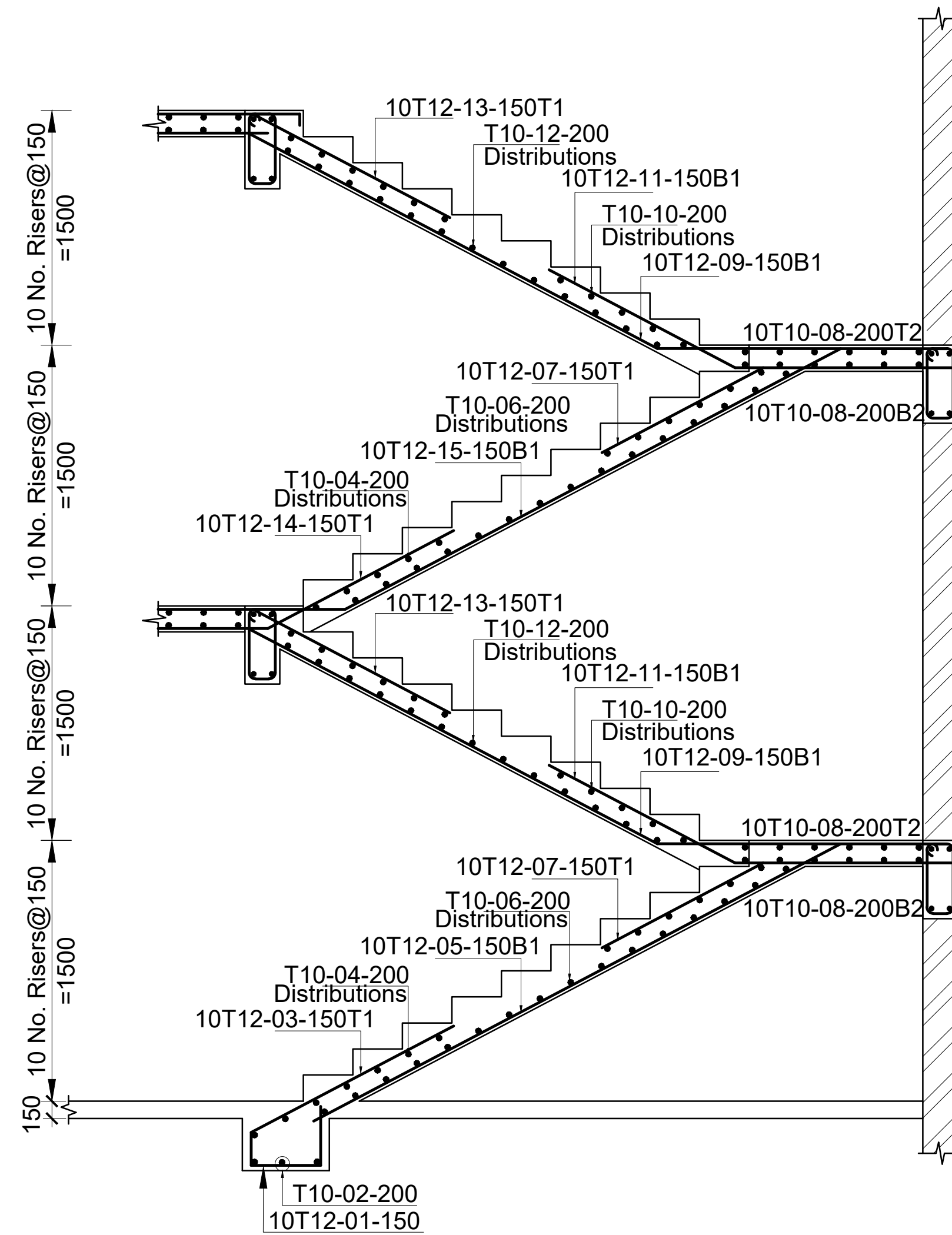




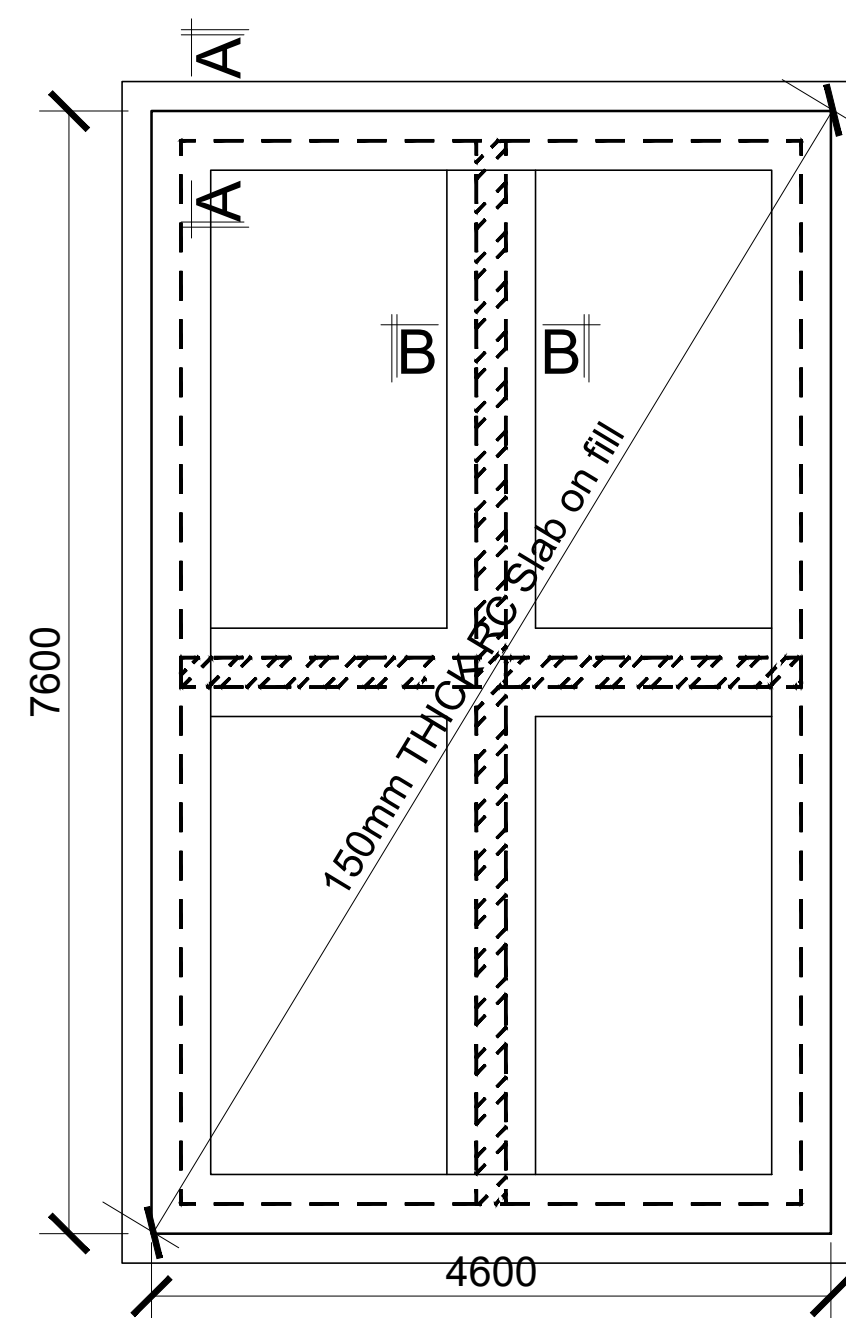
**COLUMN C1**  
**17 NO.THUS**  
**300X300**  
Scale 1:50



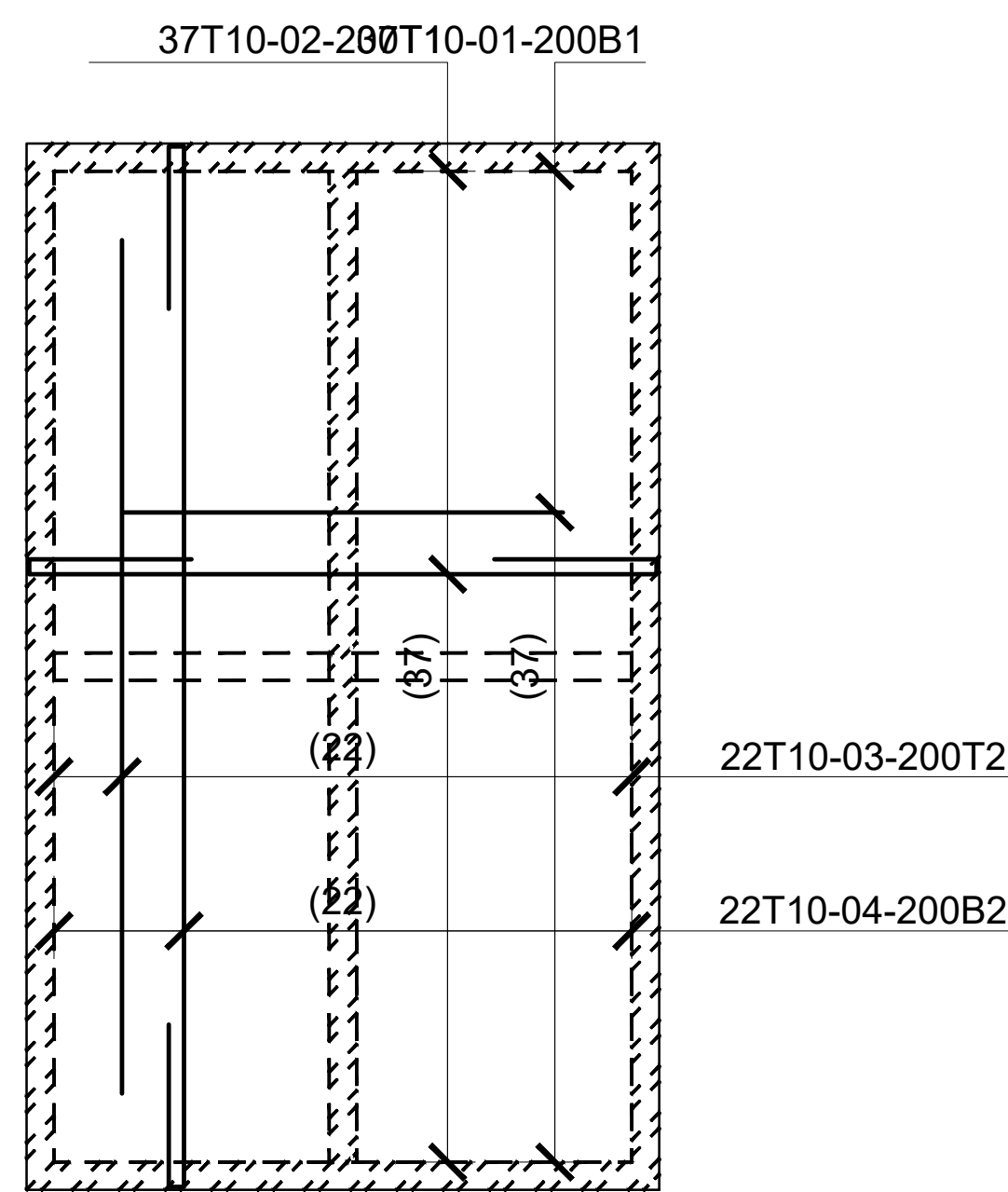
**COLUMN C2**  
**31 NO.THUS**  
**300X300**  
Scale 1:50



**SECTION THROUGH STAIRCASE 01**  
Waist=175mm Riser=150mm Tread=300mm  
Scale 1:50

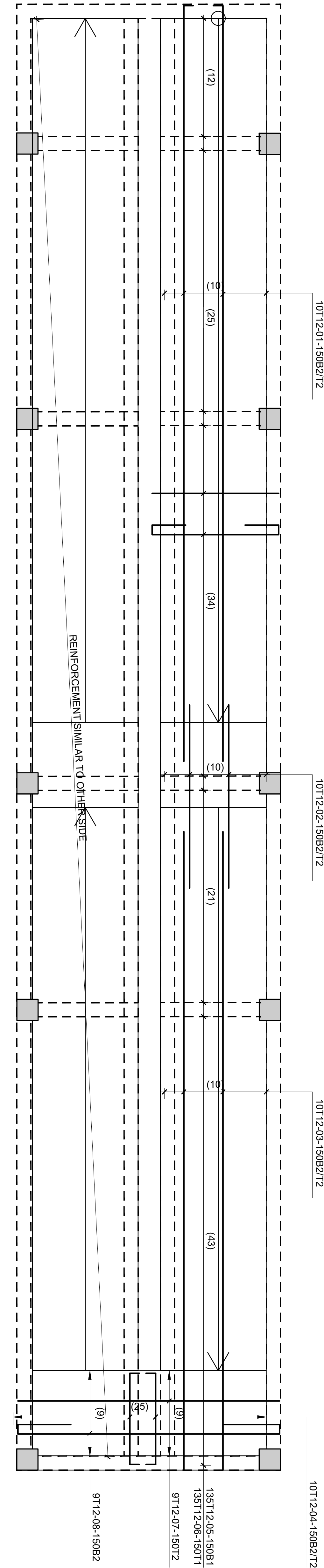


**TYPICAL PLINTH SLAB LAYOUT**  
**FOR TANKS AND PUMPS.**  
Scale:1:50

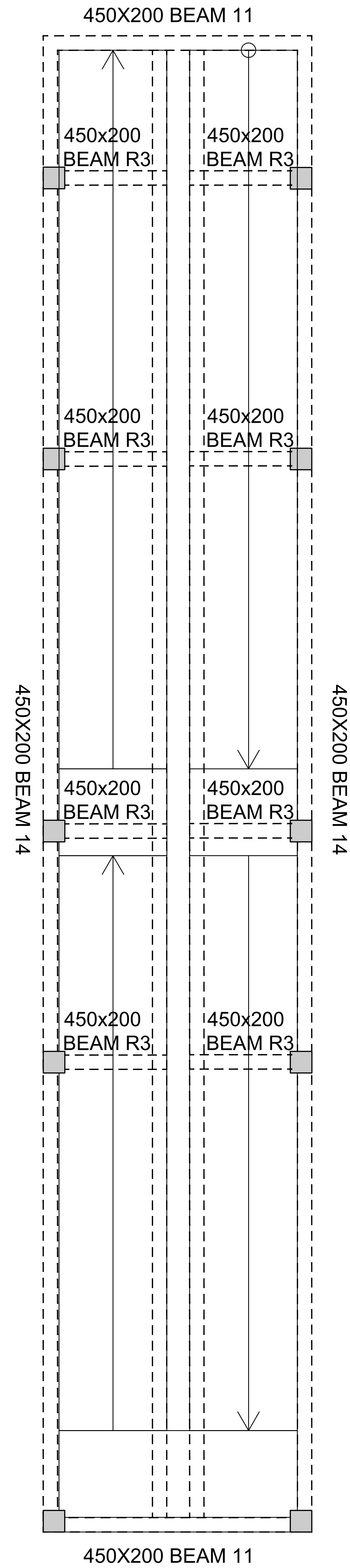


**TYPICAL PLINTH SLAB RC DETAILS**  
**FOR TANKS AND PUMPS.**  
Scale:1:50

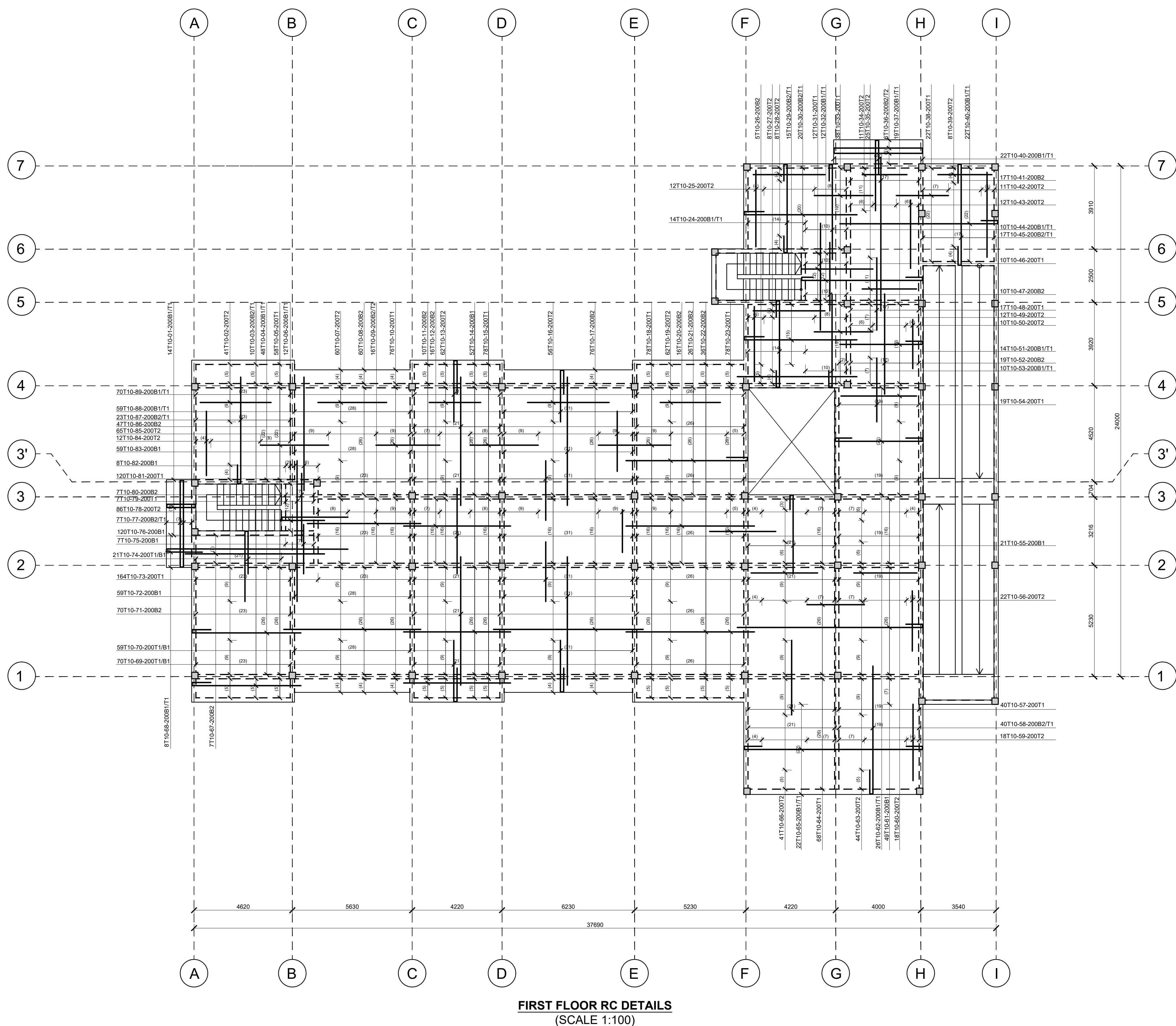
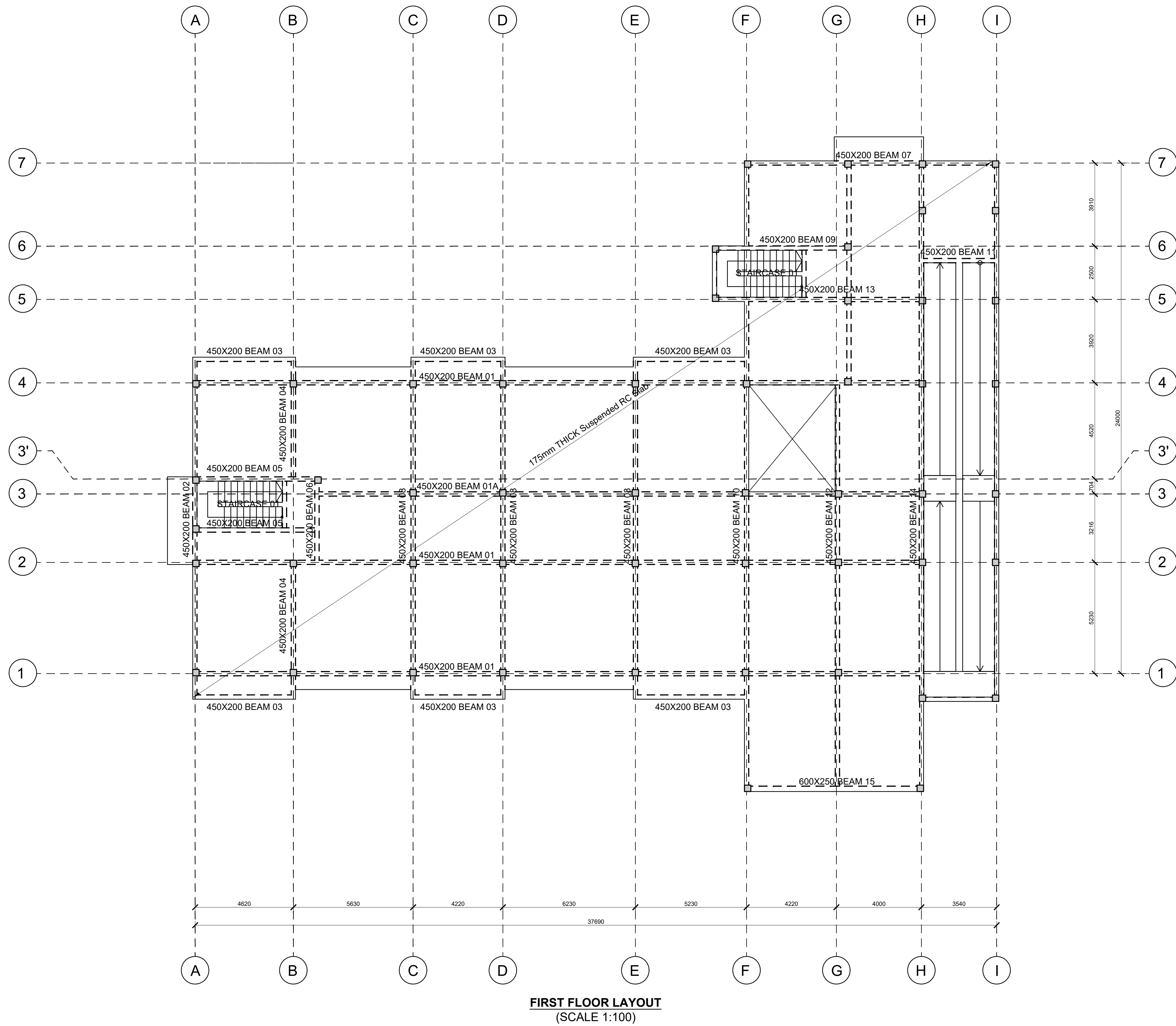
**RAMP RC DETAILS**  
**(175mm THICK)**  
Scale 1:25



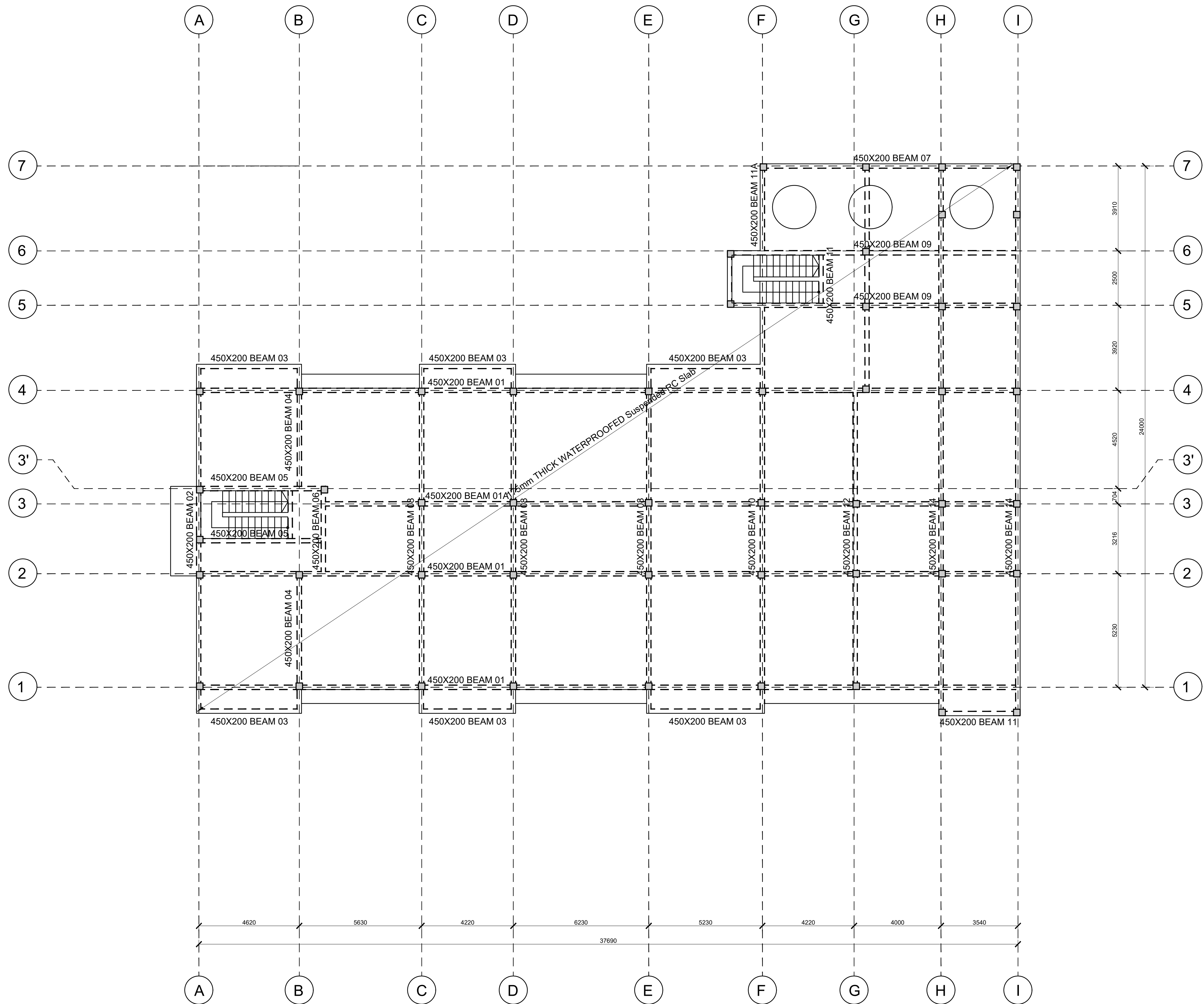
**RAMP LAYOUT**  
**(175mm THICK)**  
Scale 1:25



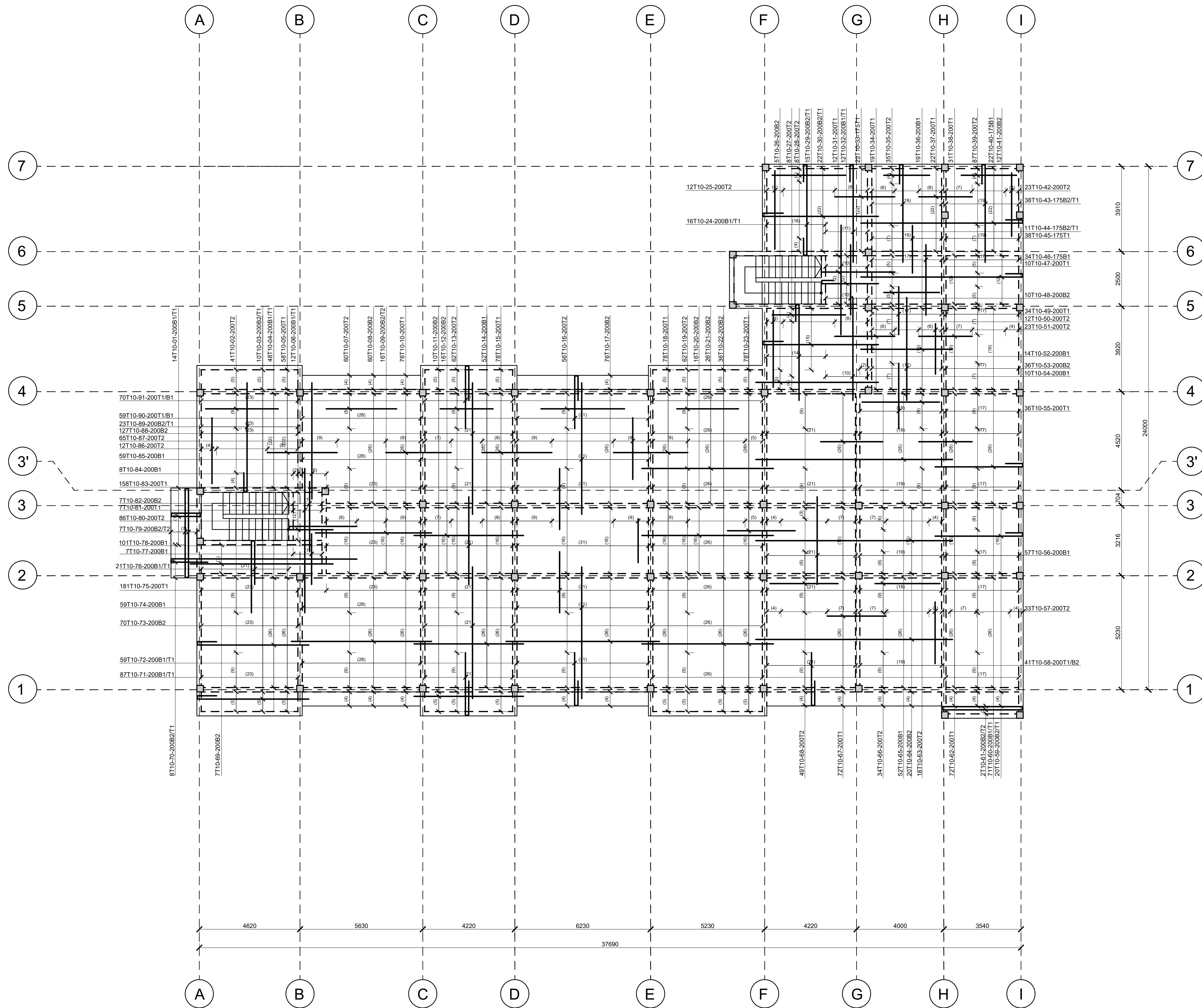




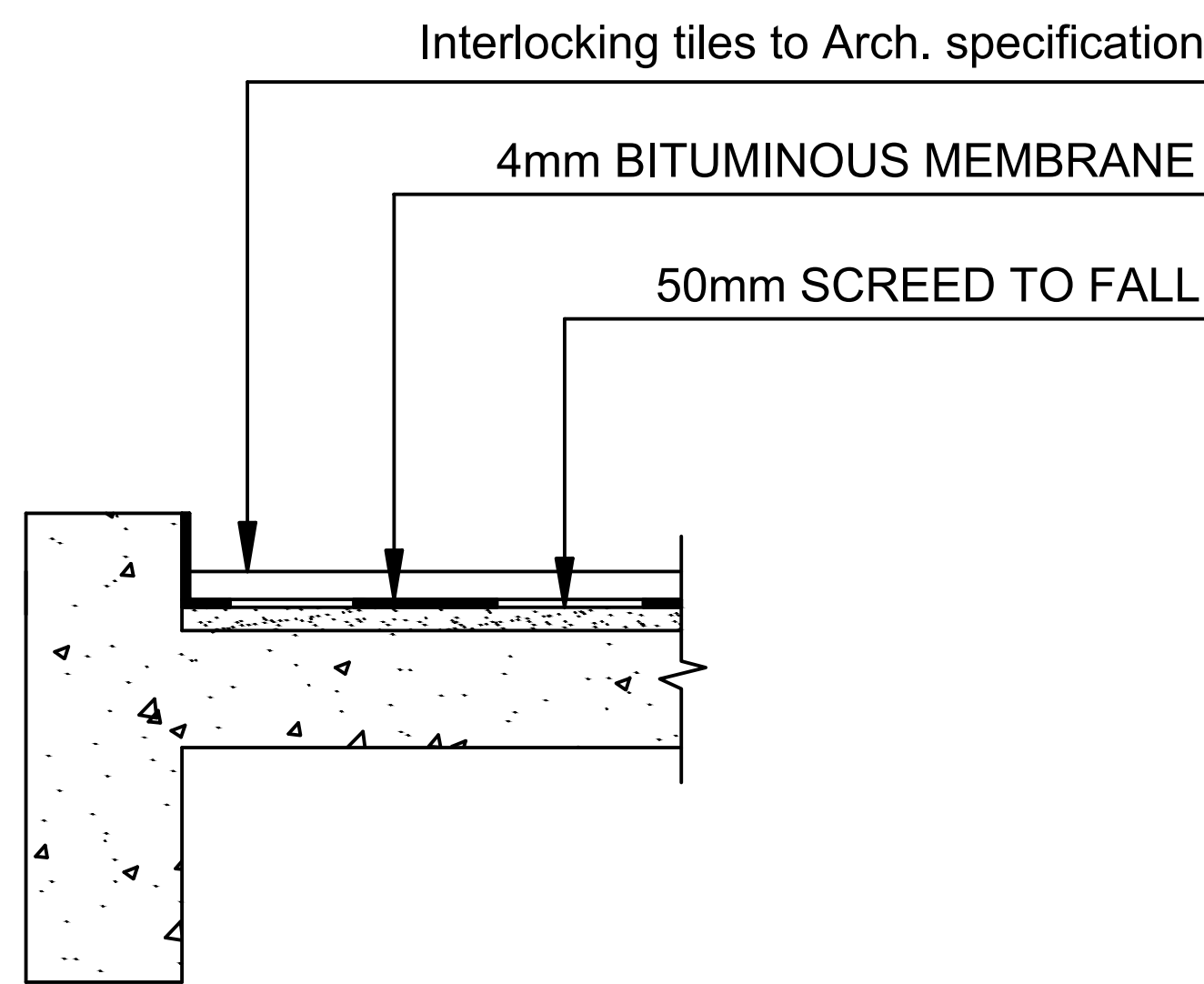




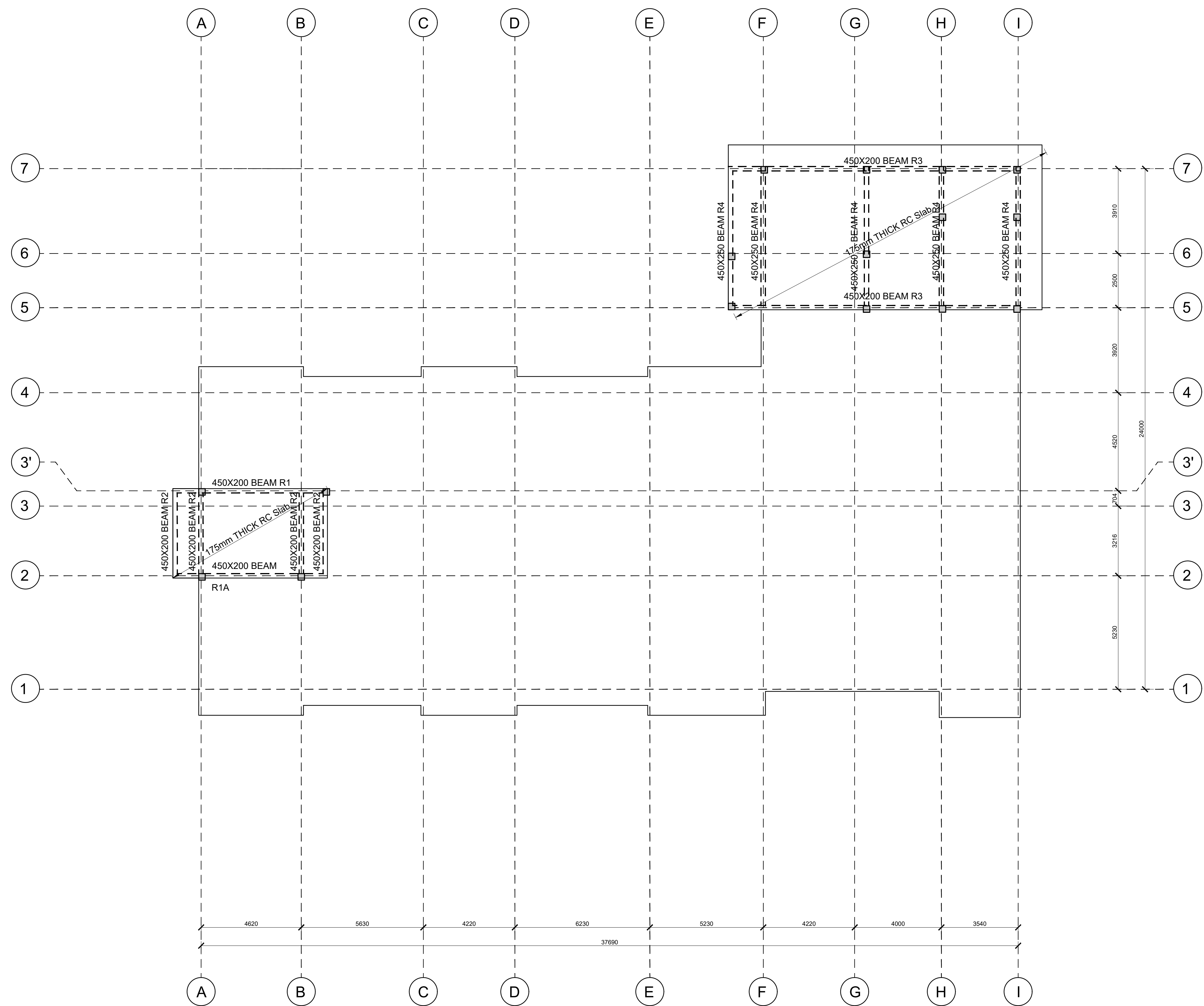
ROOF FLOOR LAYOUT  
(SCALE 1:100)



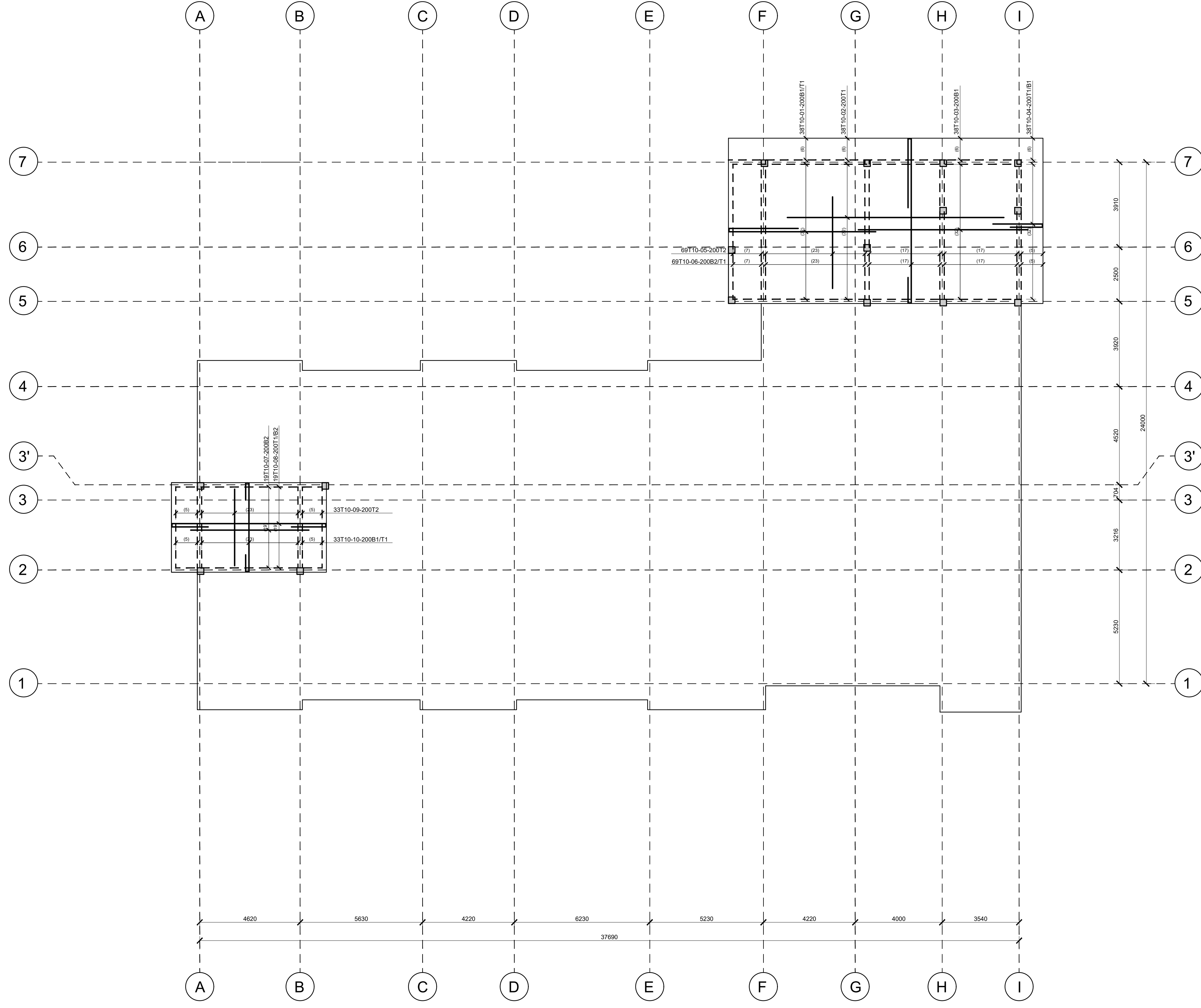
ROOF FLOOR RC DETAILS  
(SCALE 1:100)



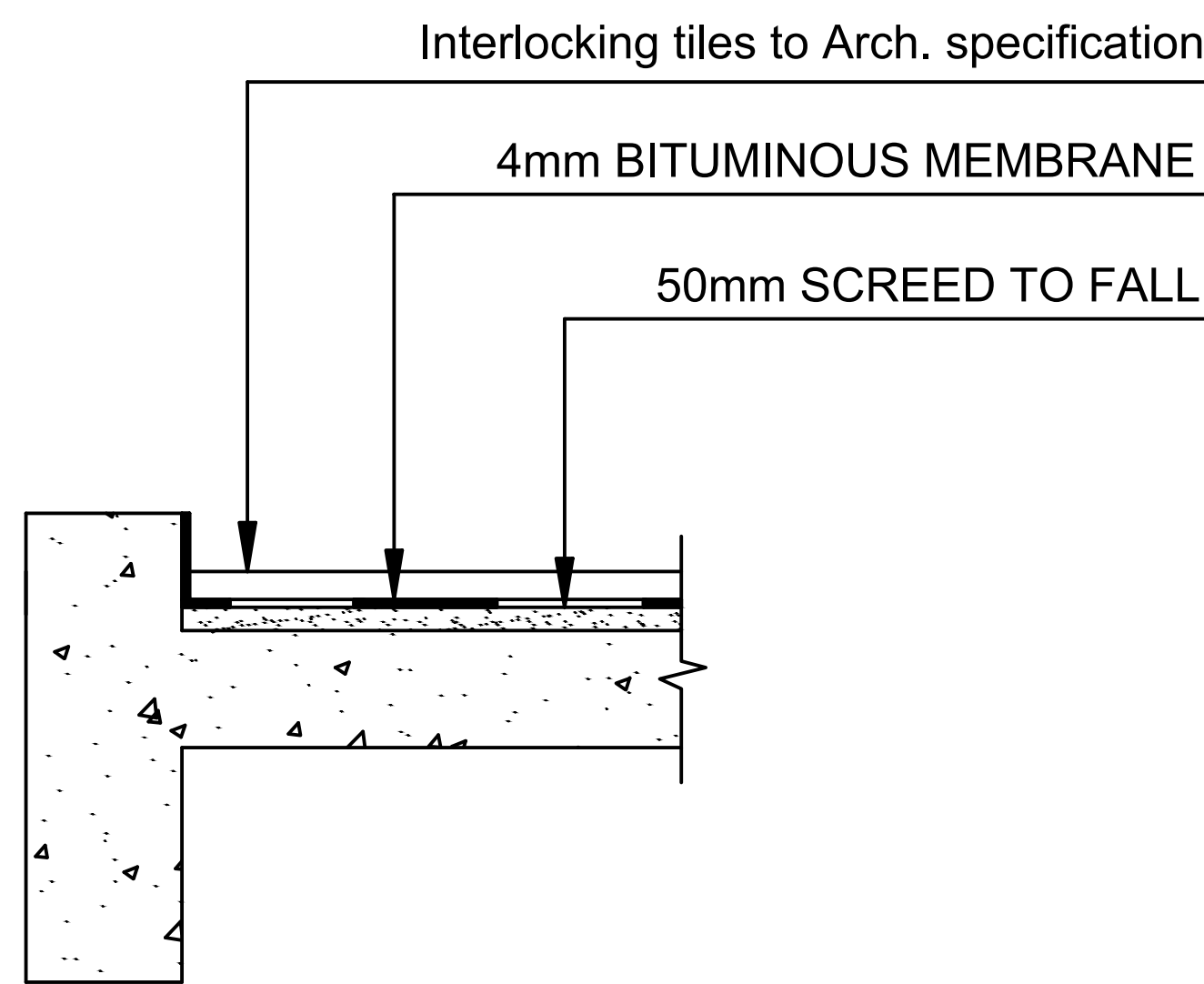
TYPICAL ROOF SLAB  
W/POOFING DETAIL  
SCALE 1:10



ROOF SLAB LAYOUT  
(SCALE 1:100)

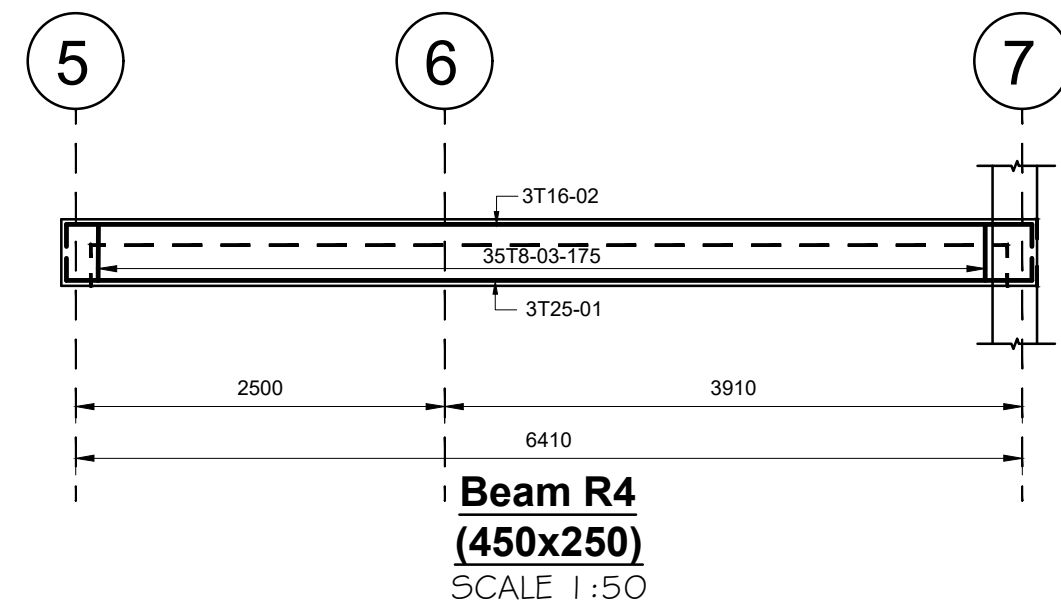
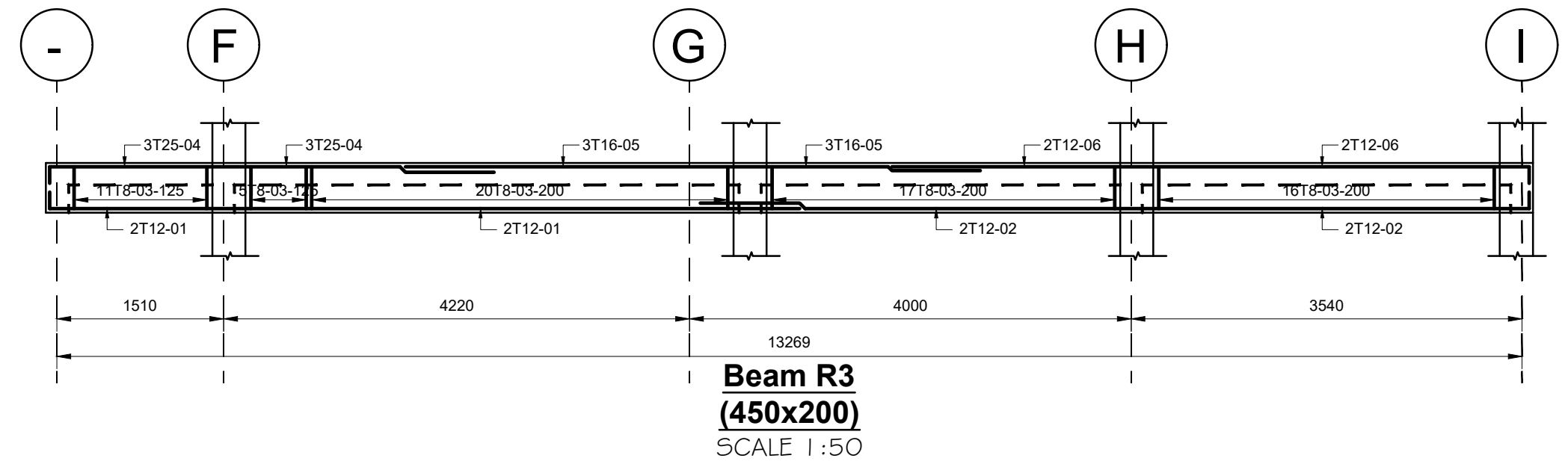
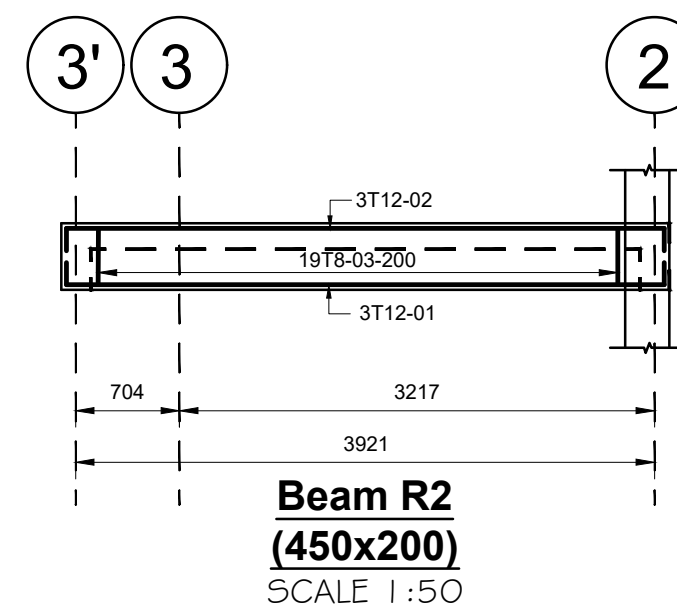
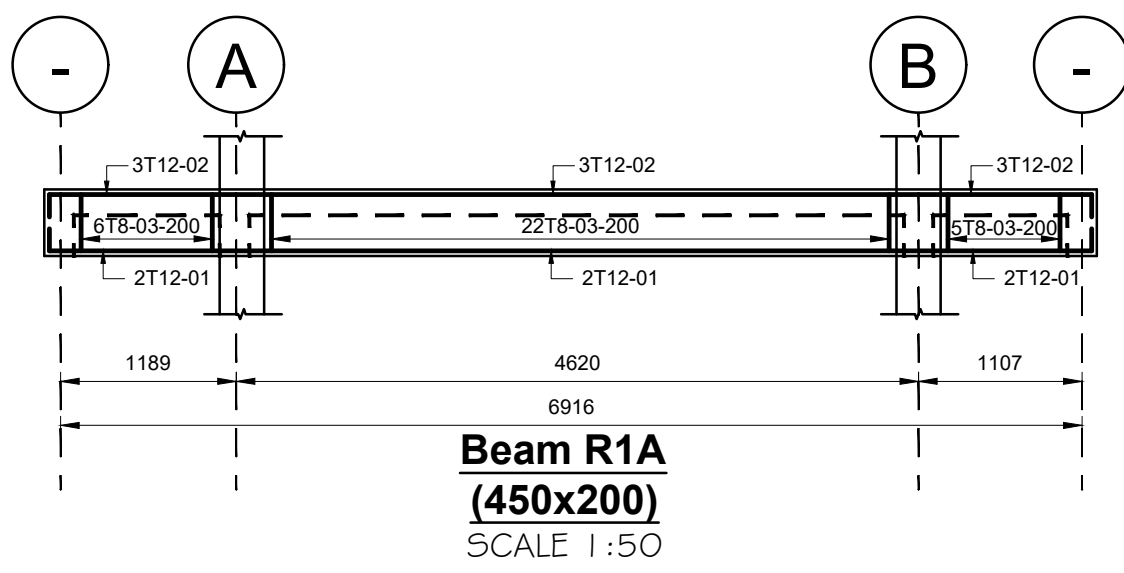
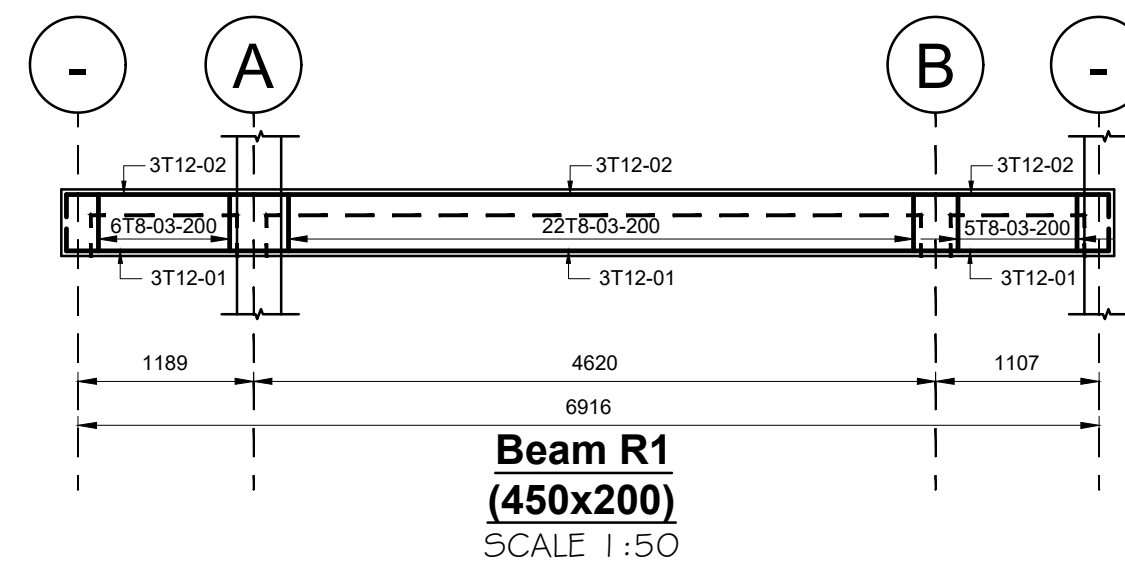
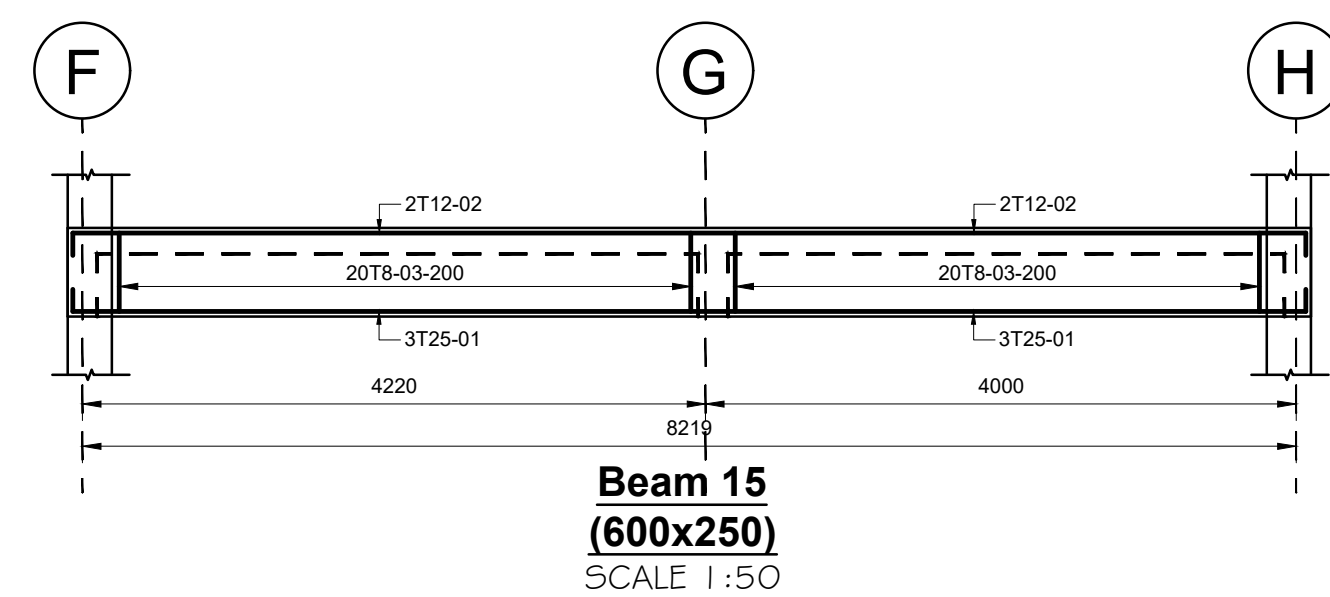
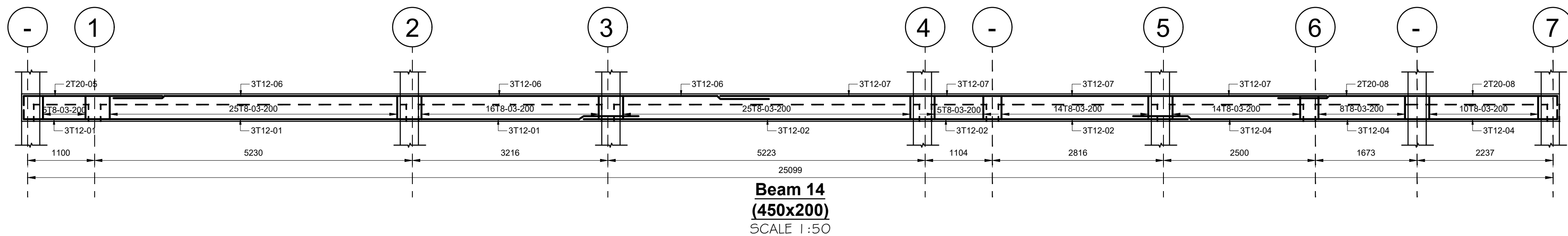
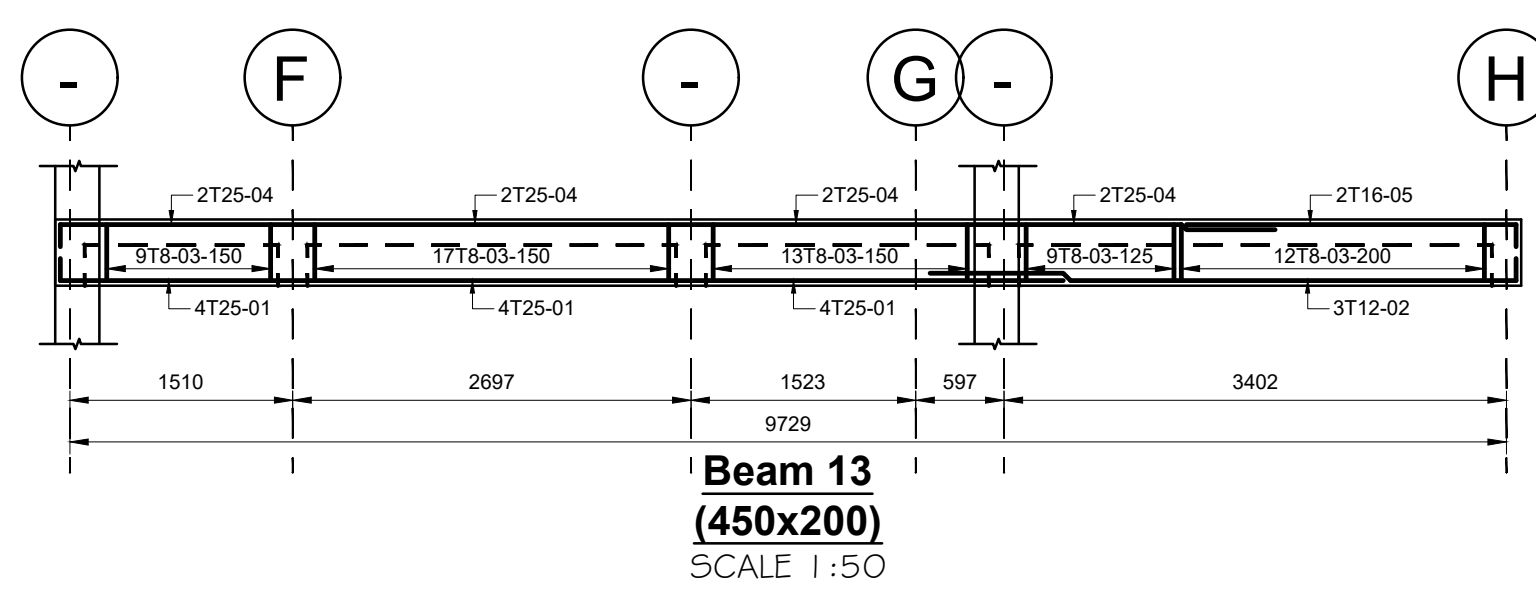
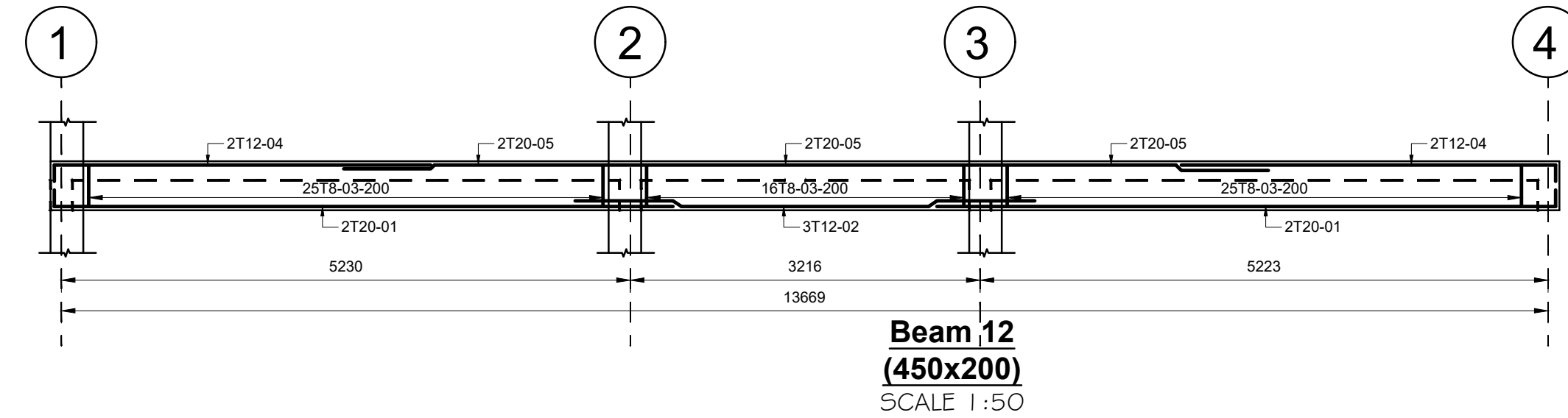
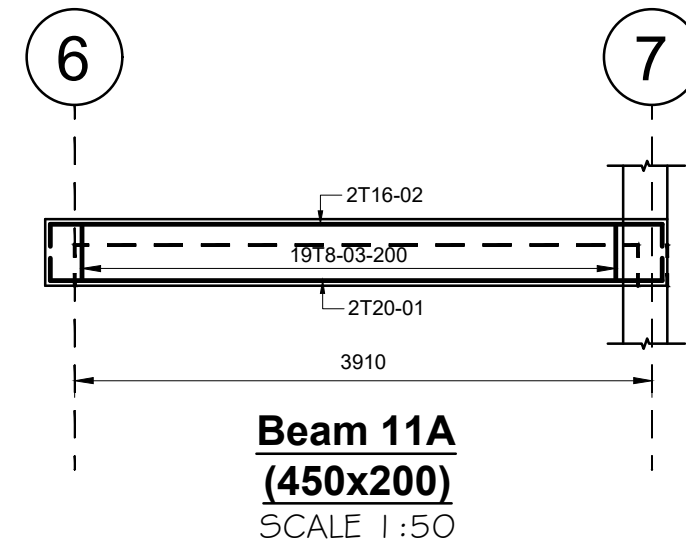
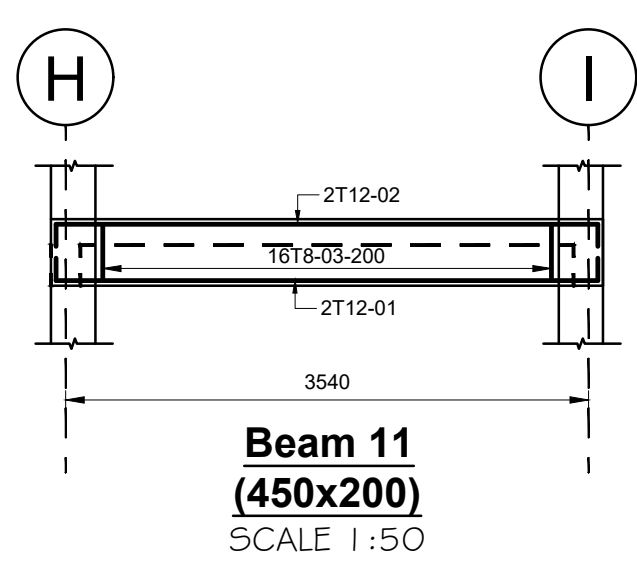
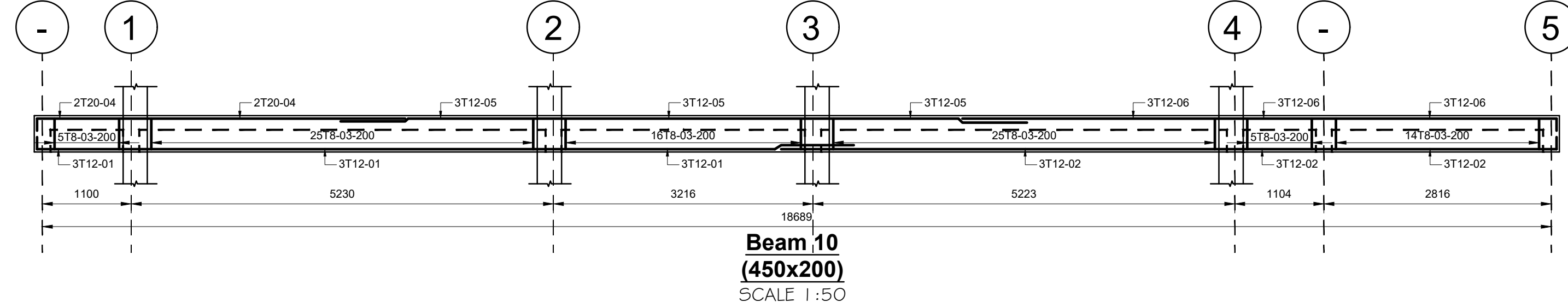
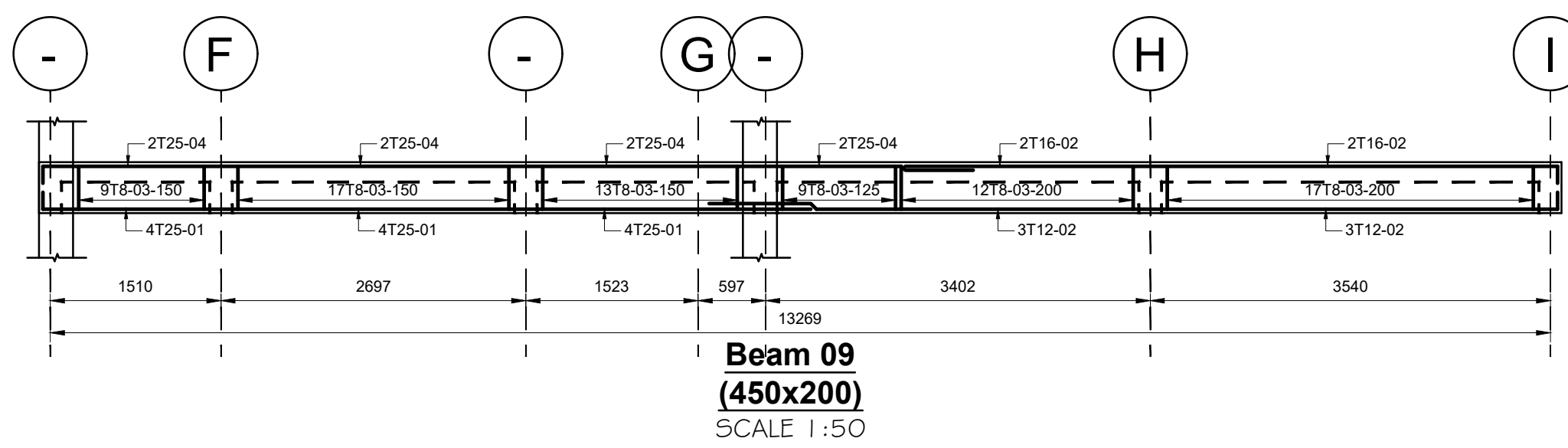
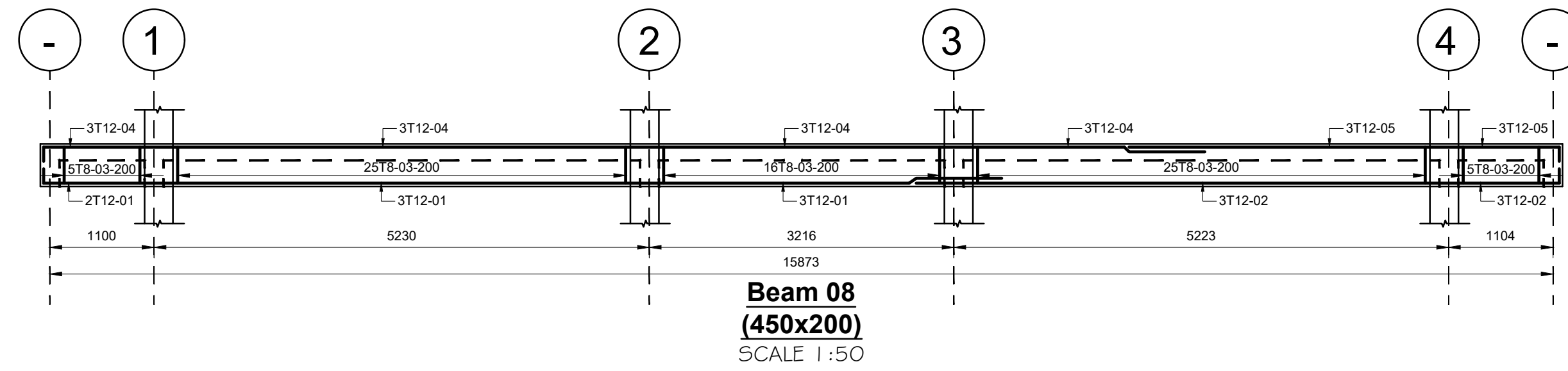
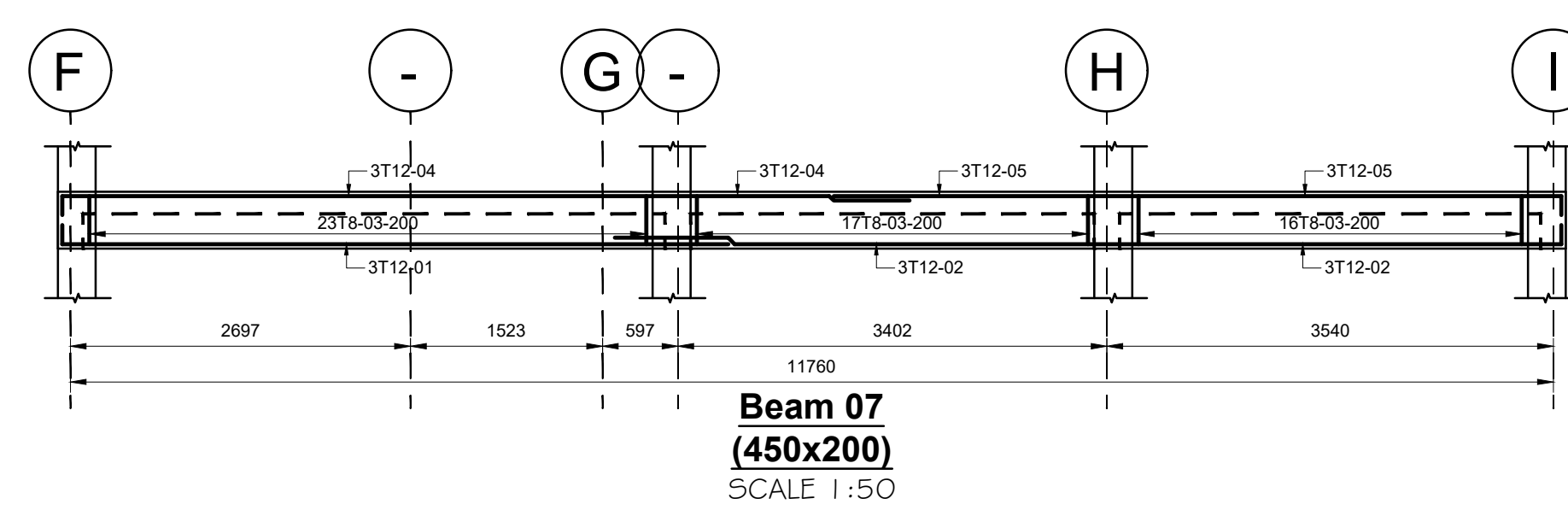
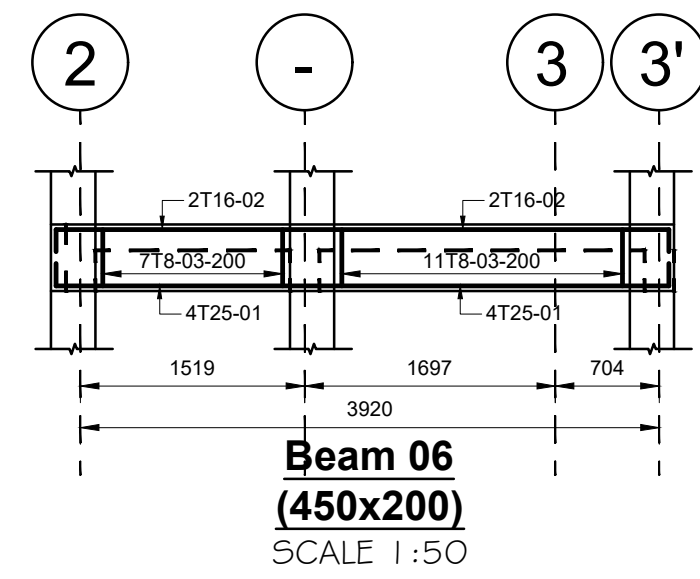
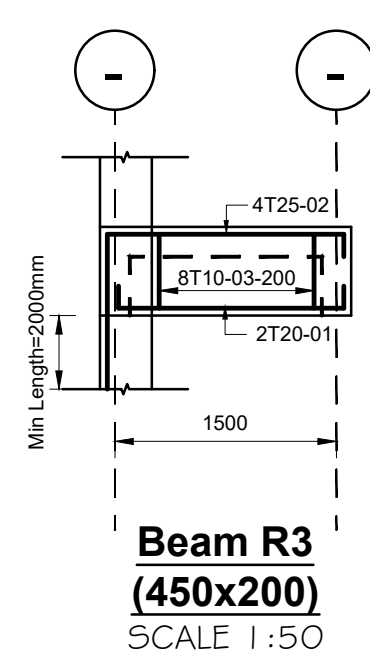
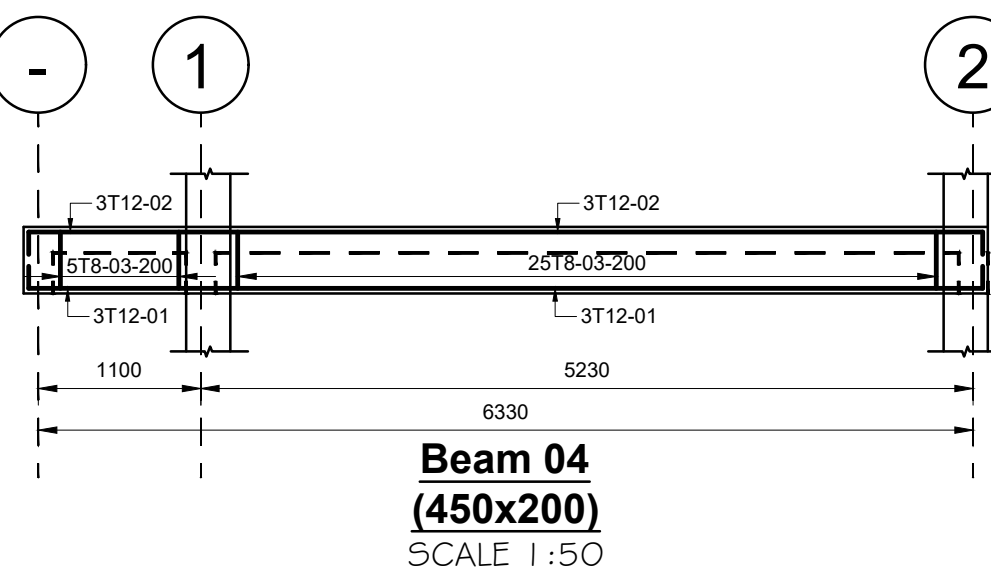
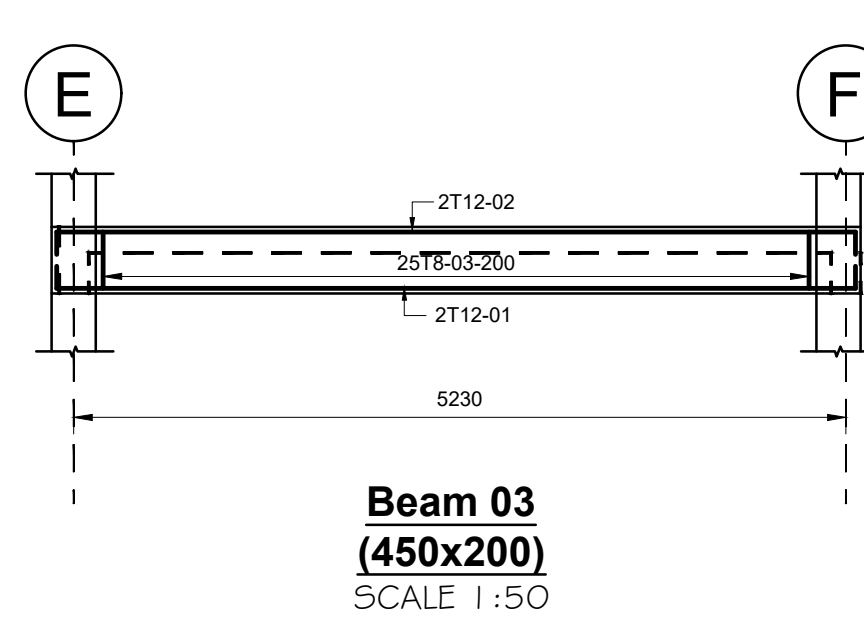
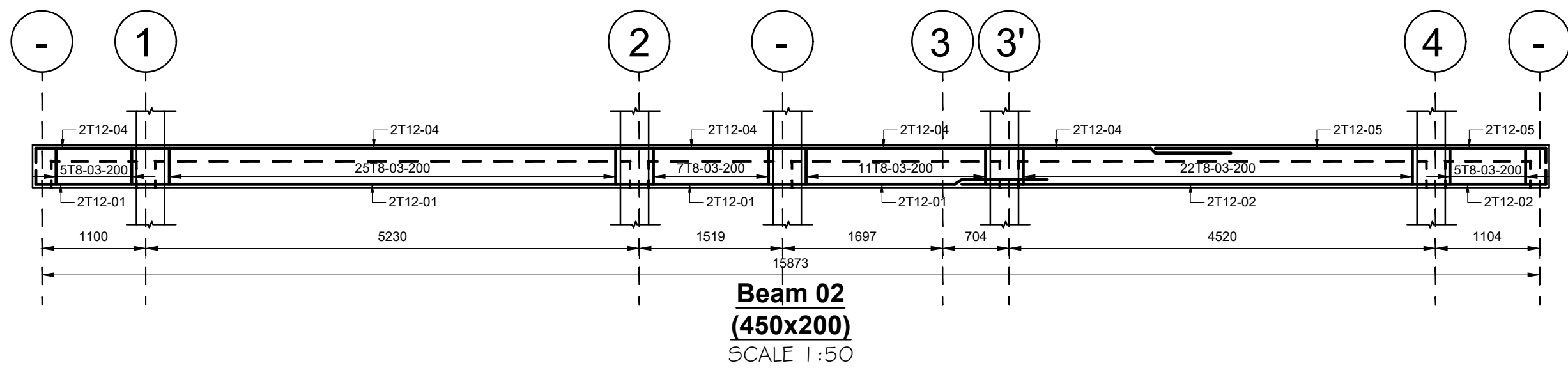
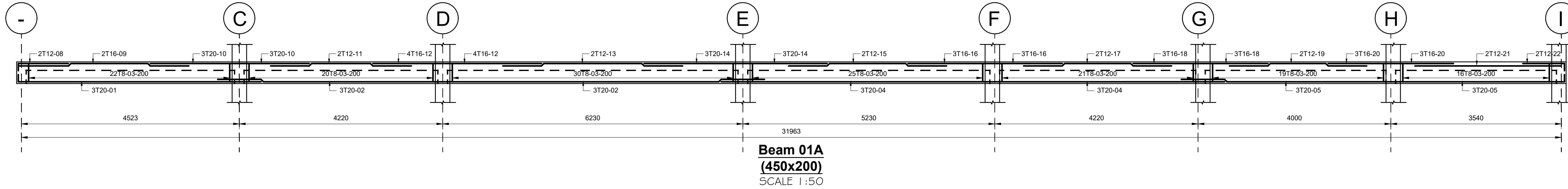
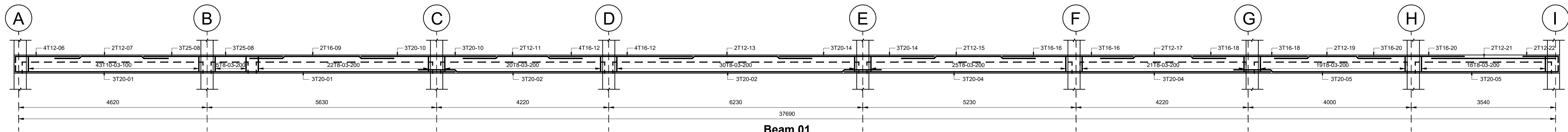


ROOF SLAB RC DETAILS  
(SCALE 1:100)

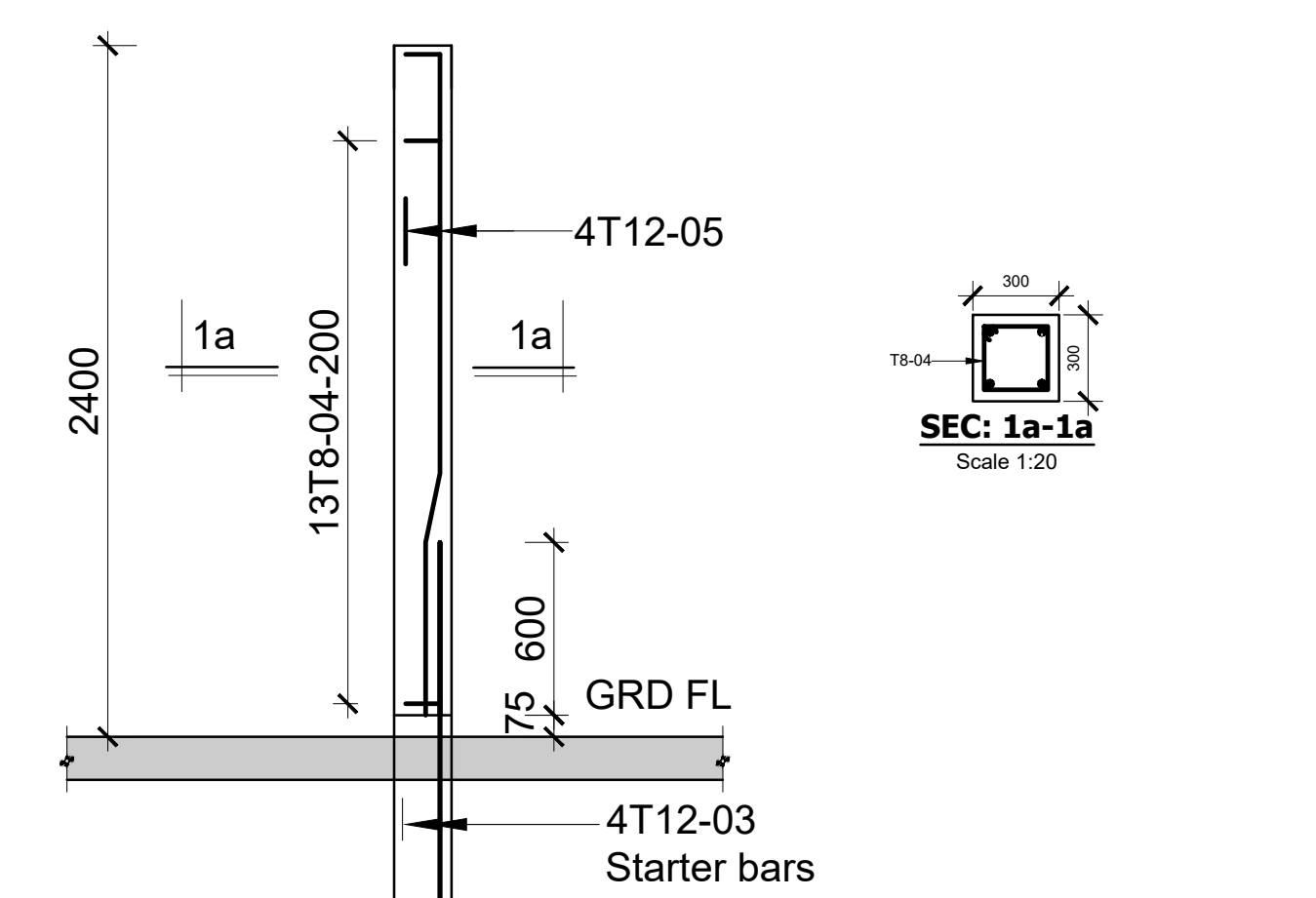
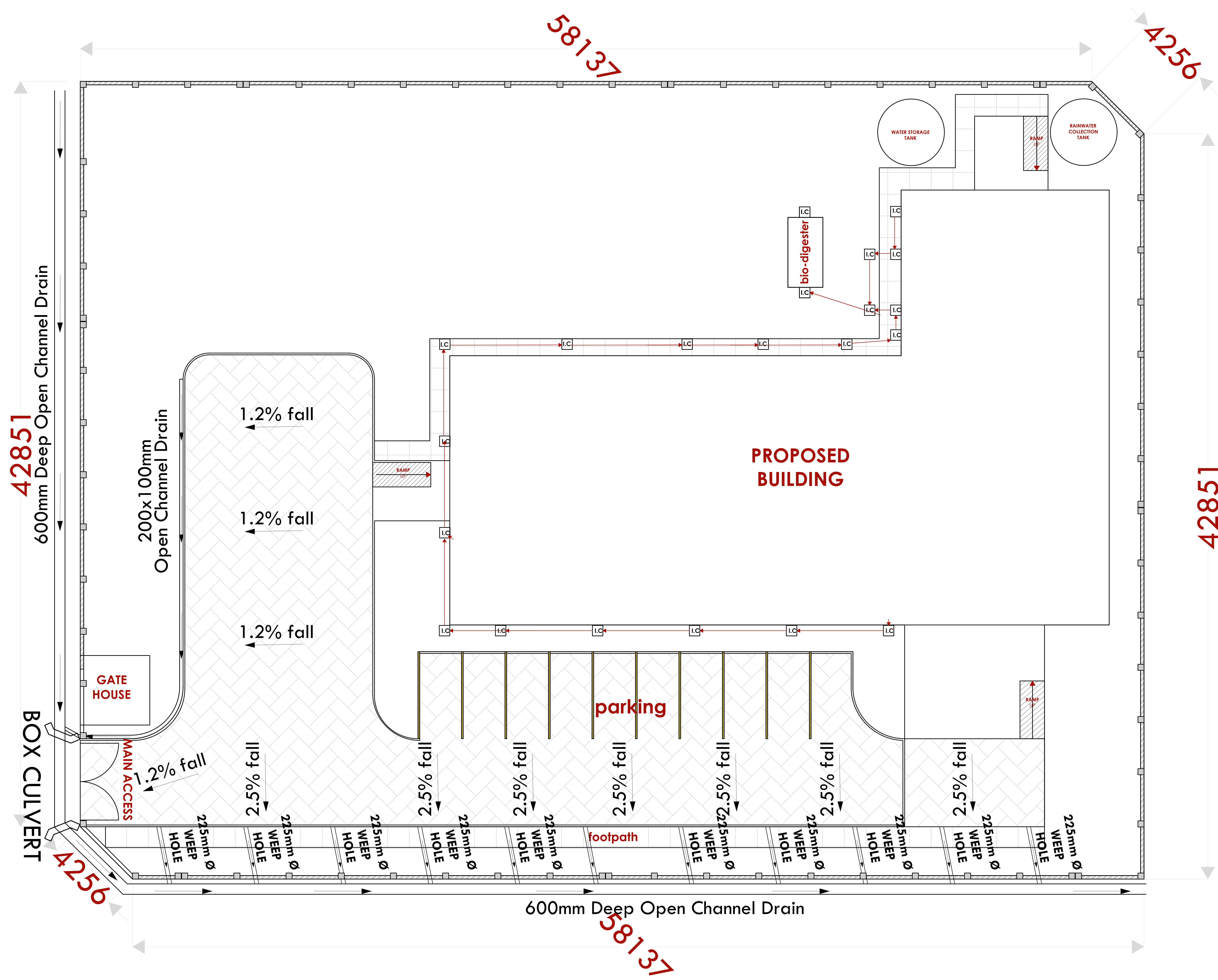


TYPICAL ROOF SLAB  
W/POOFING DETAIL  
SCALE 1:10

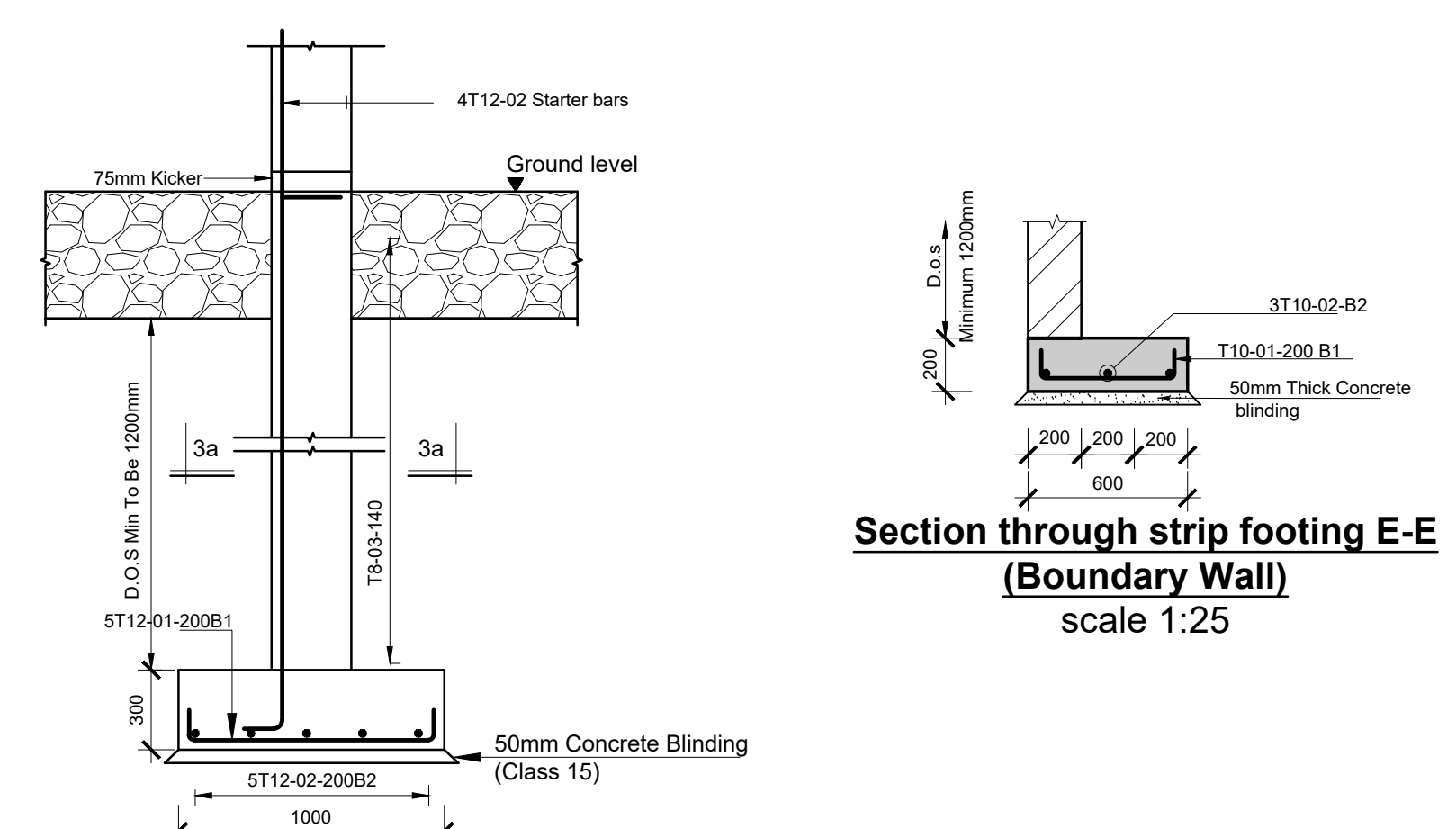




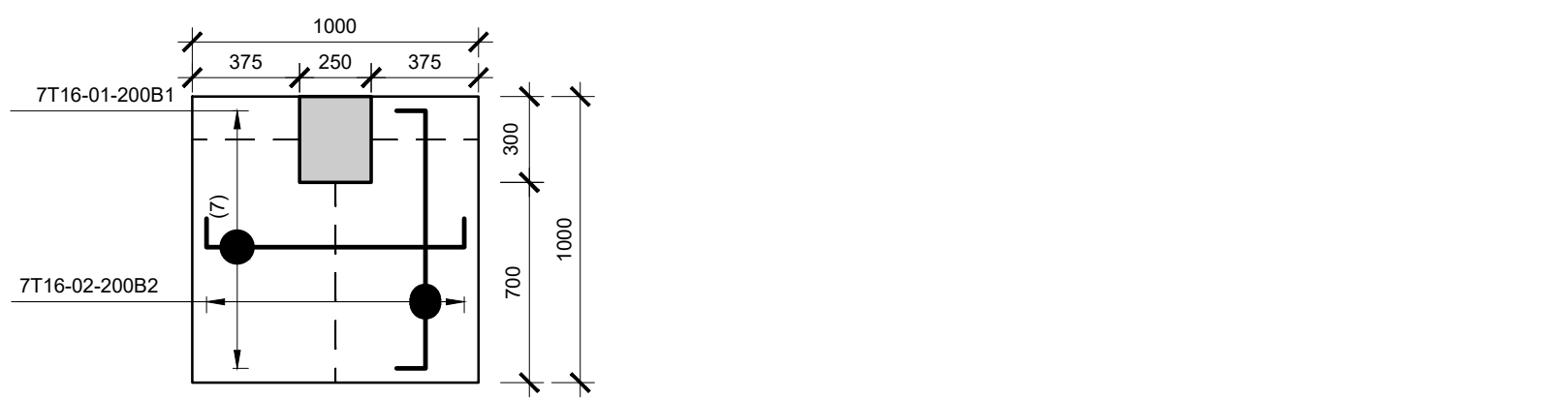




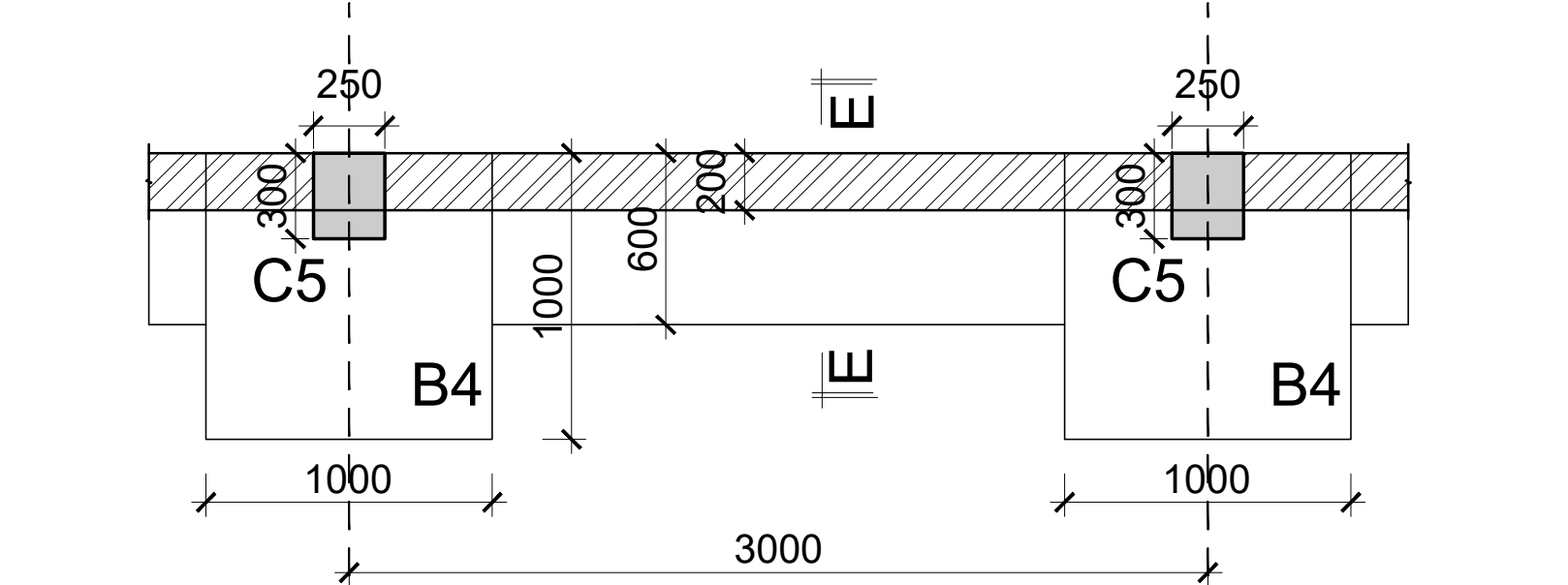
**COLUMN C3**  
**75 NO.THUS**  
**(PERIMETER WALL)**  
**300X300**  
Scale 1:50



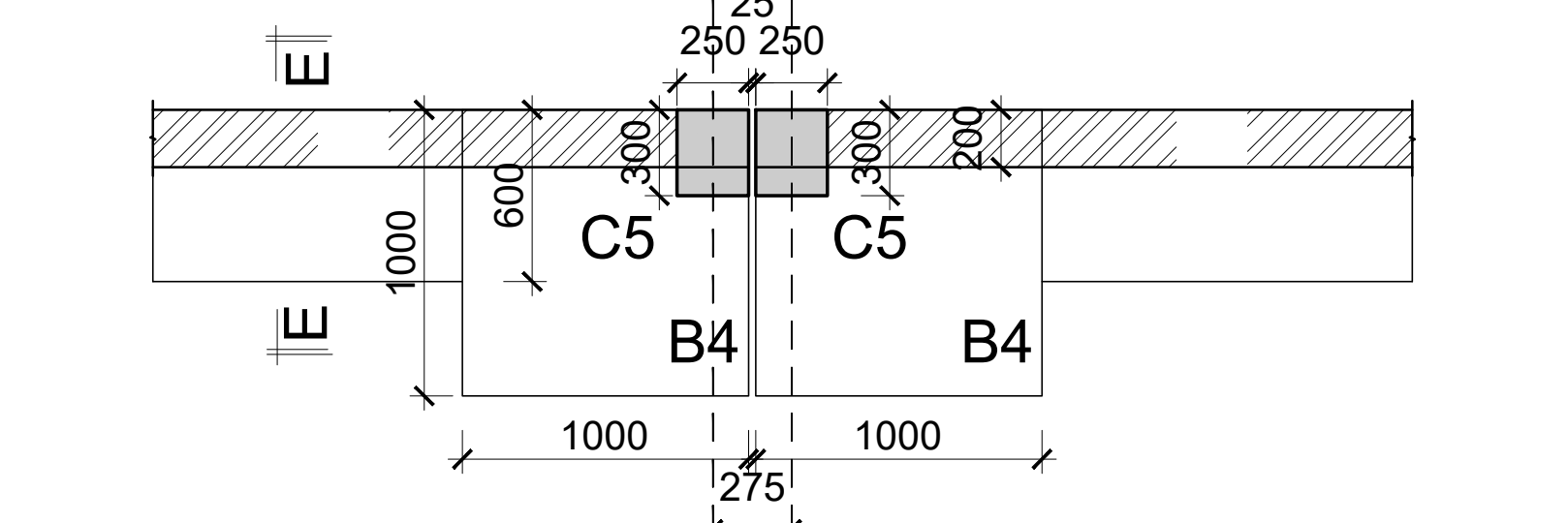
**SEC:-BASE B4**  
**(BOUNDARY WALL)**  
Scale 1:25



**PLAN:-BASE B4**  
**(BOUNDARY WALL)**  
**75 No.**  
Scale 1:25



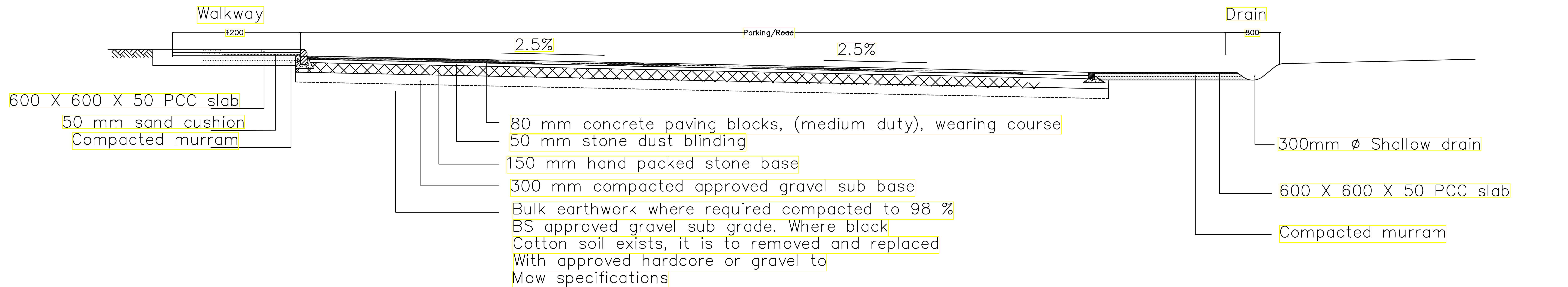
**TYPICAL BOUNDARY WALL SECTION**  
**(PLAN VIEW)**  
Scale 1:25



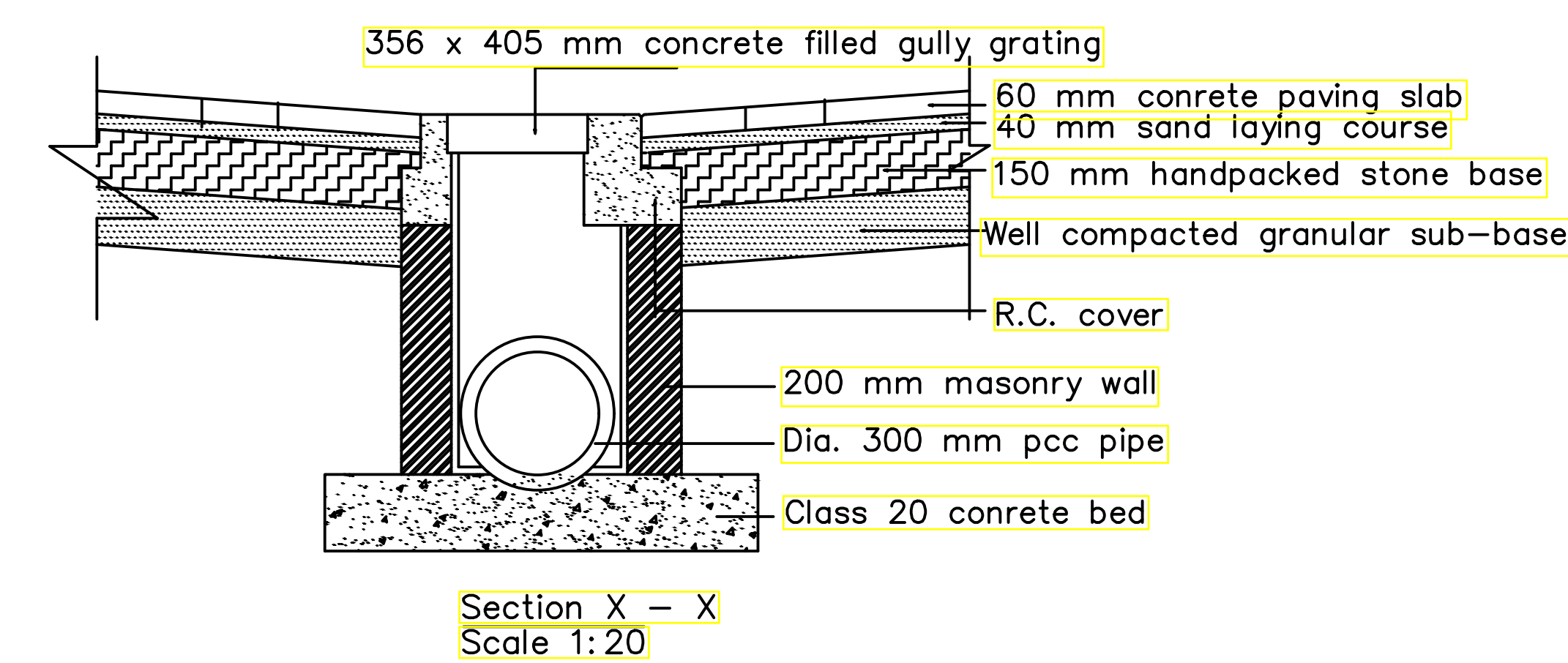
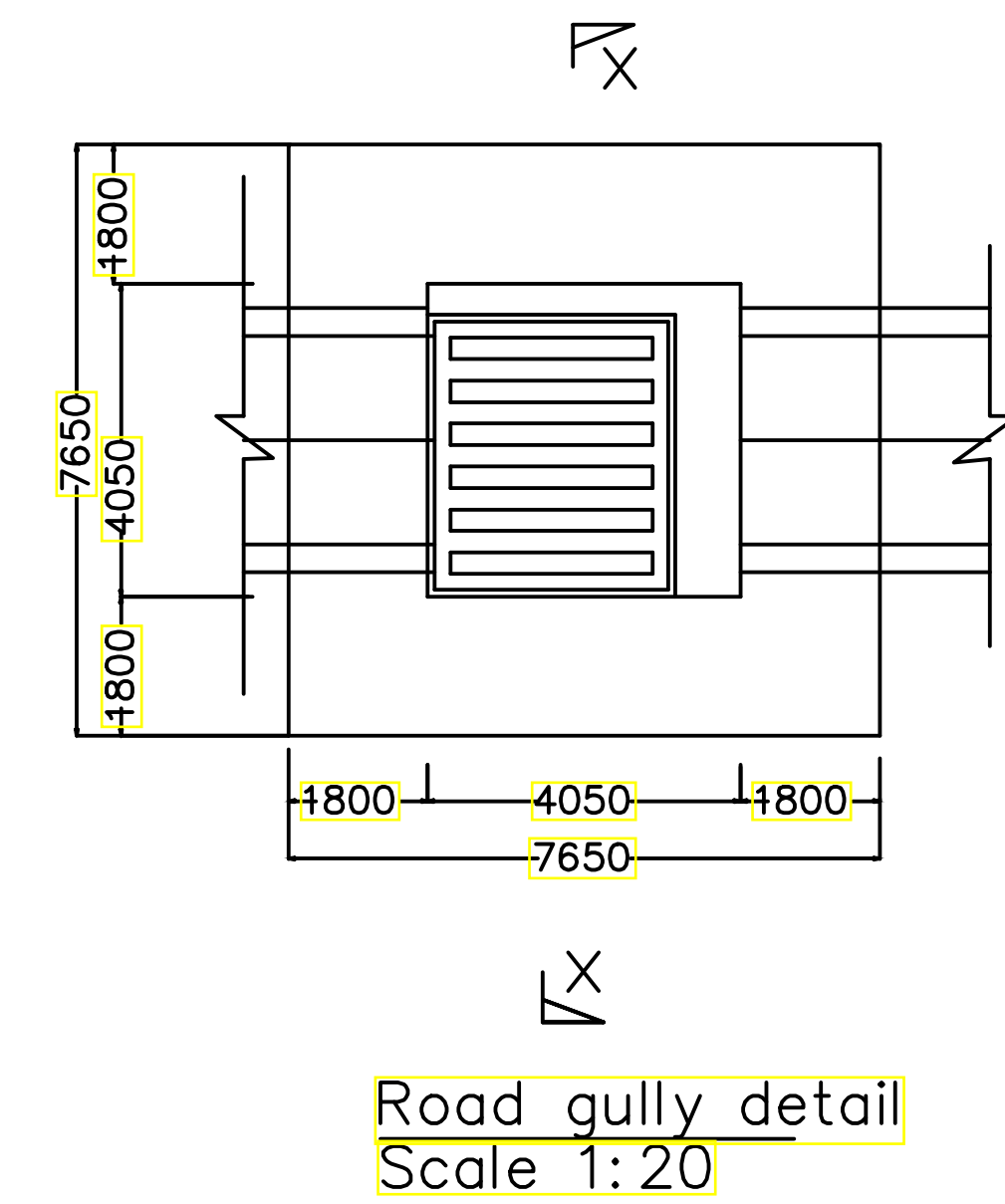
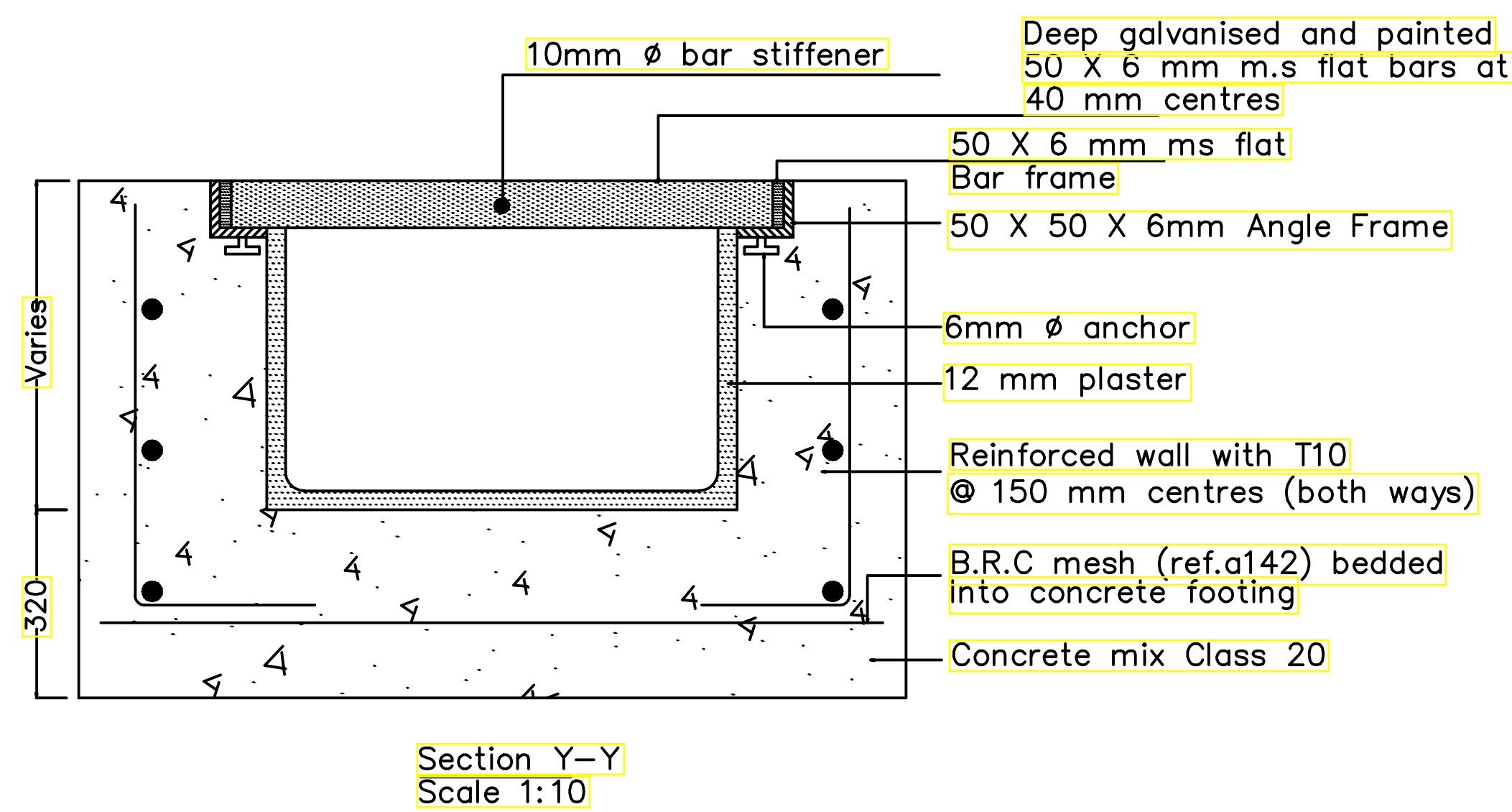
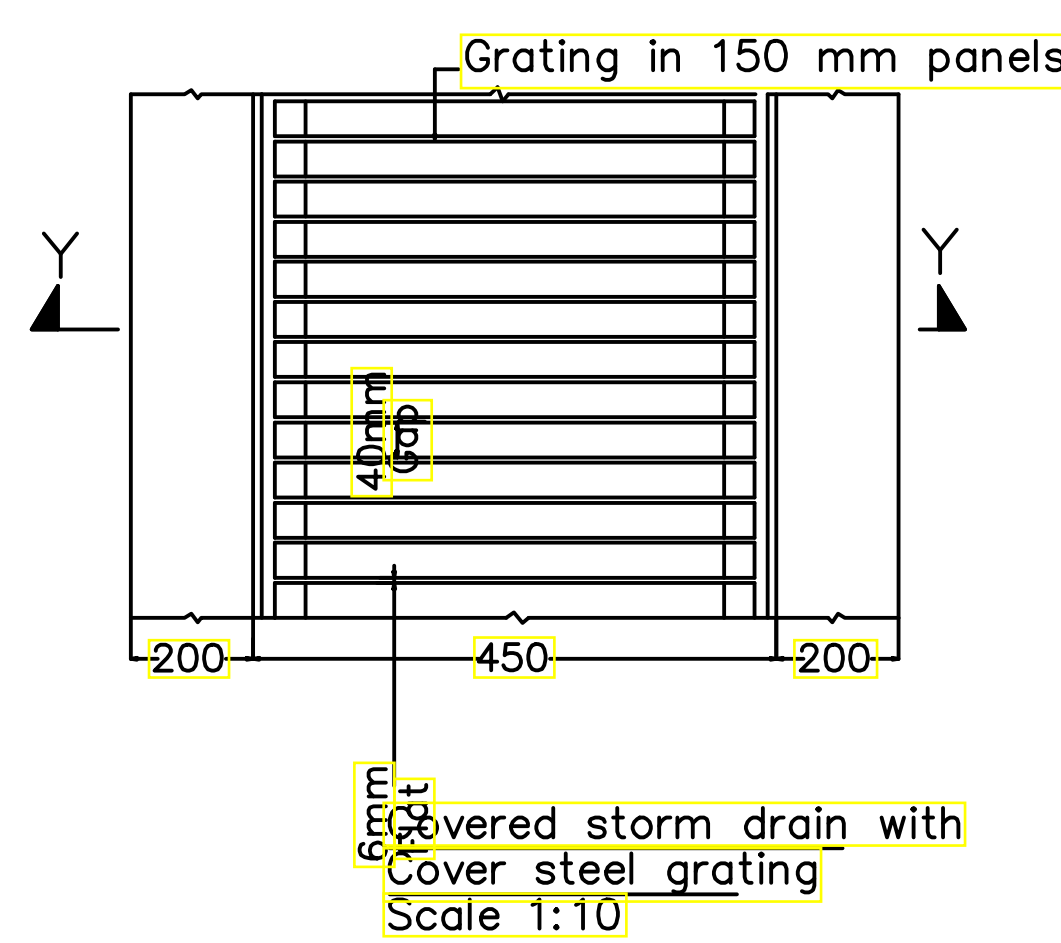
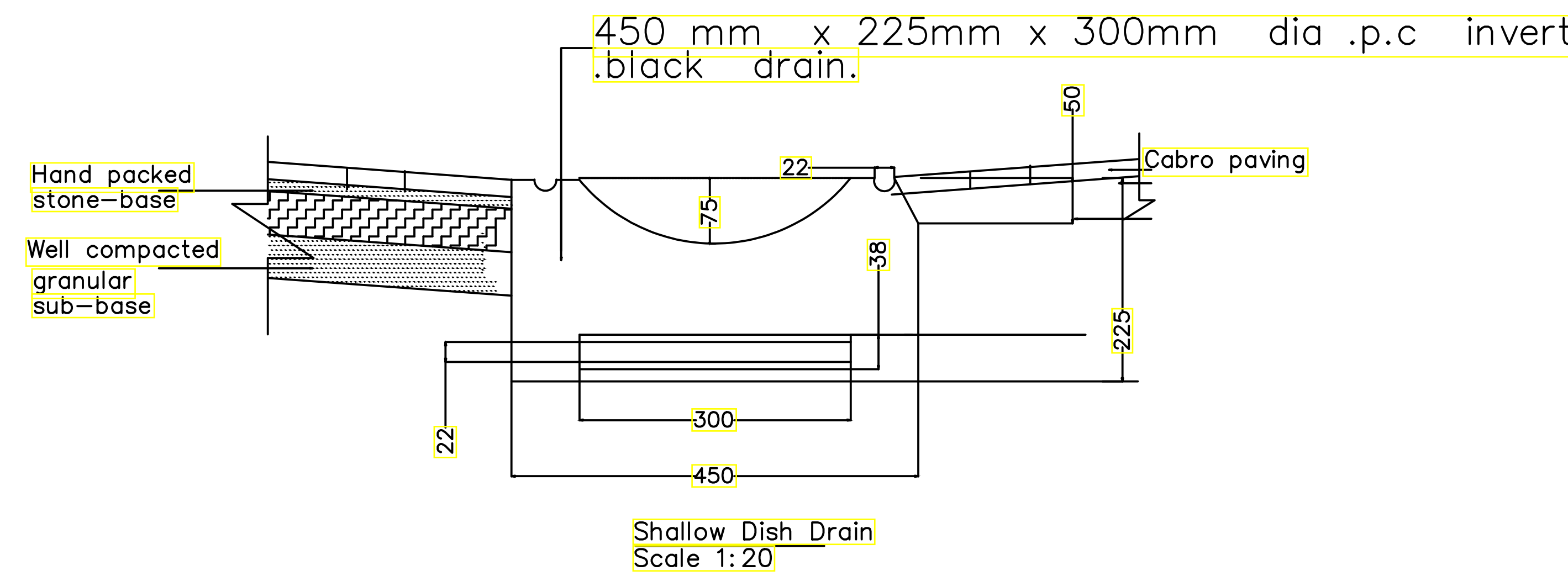
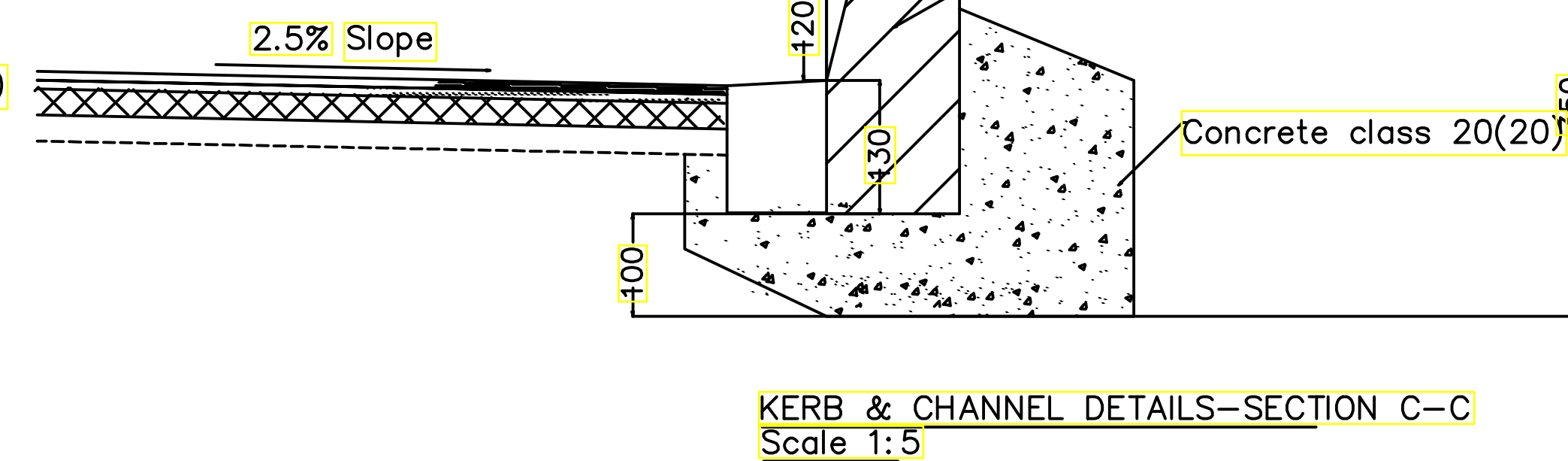
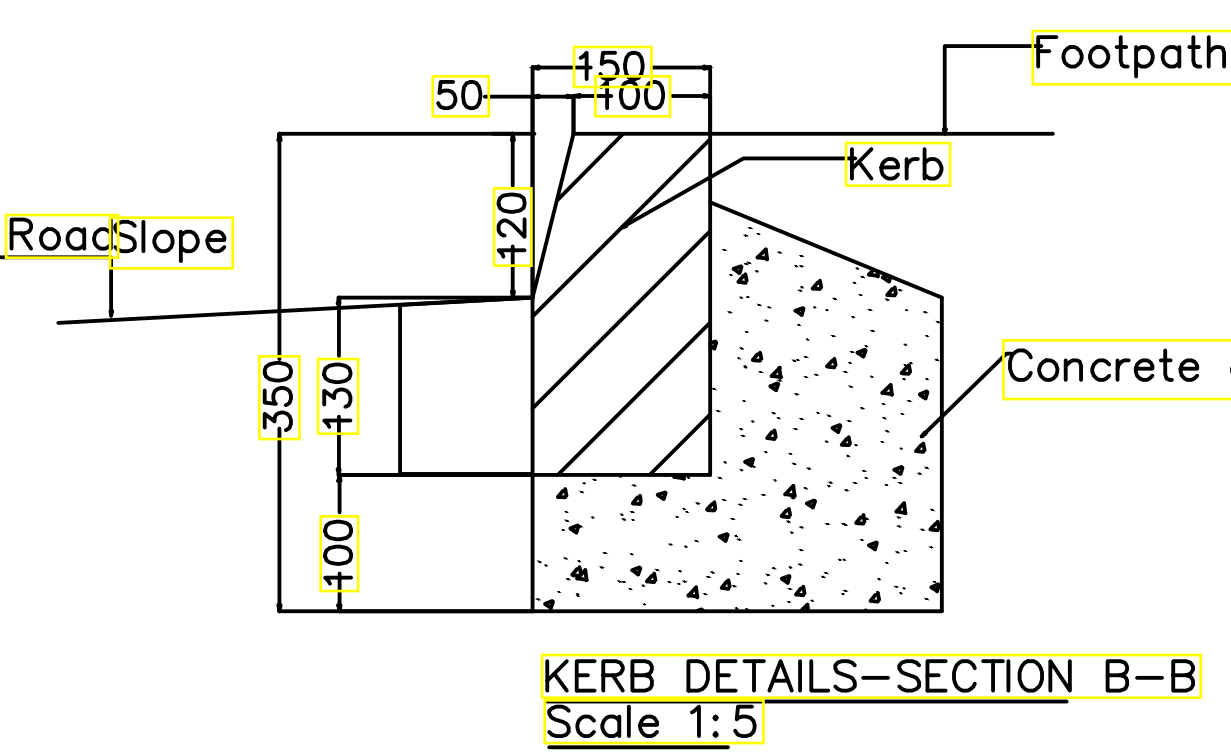
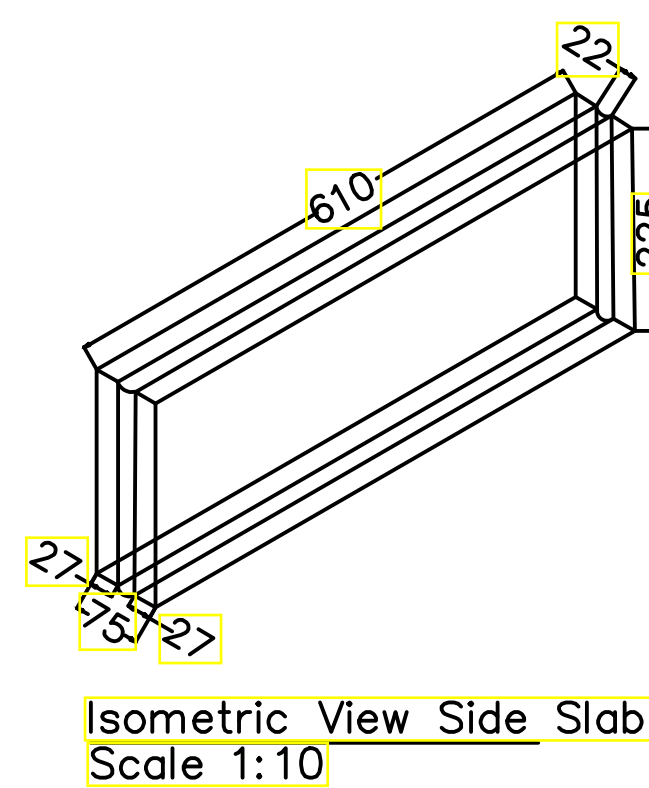
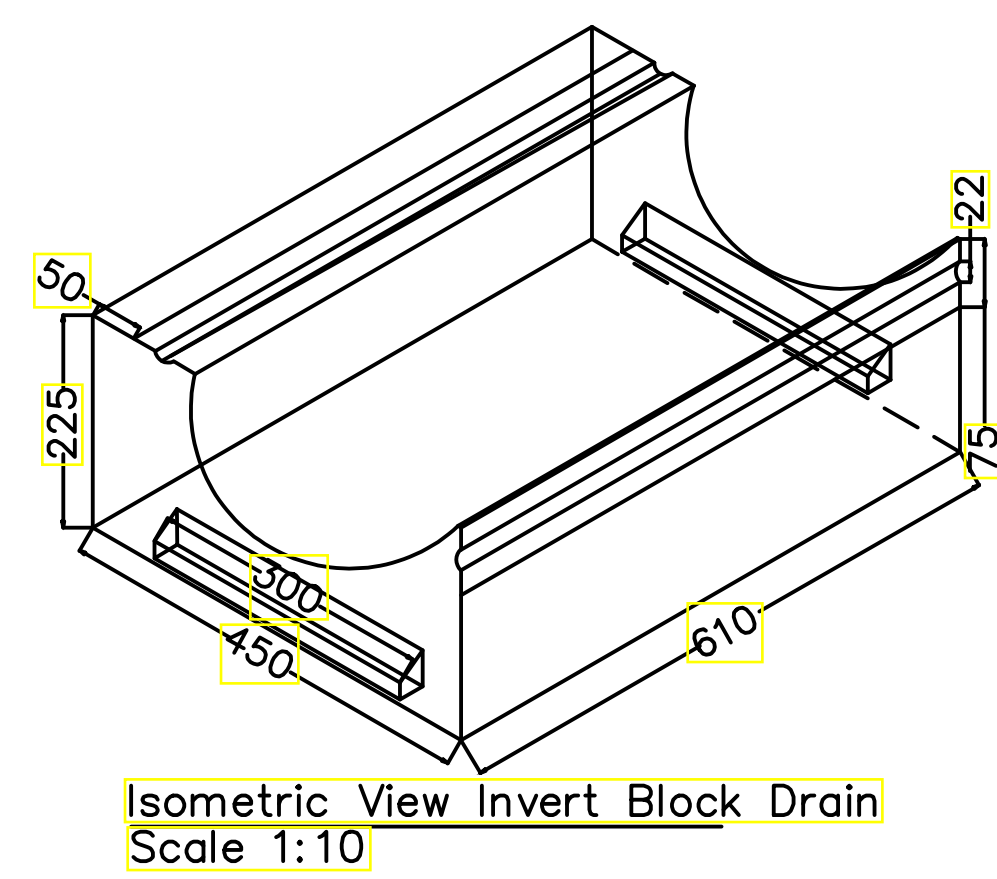
**BOUNDARY WALL SECTION AT**  
**EXPANSION JOINT (EVERY 25M)**  
**(PLAN VIEW)**  
Scale 1:25

<div>CONSULTANT:-</div> <div>ARPRIM CONSORTIUM</div> <div>P.O. Box 12969-00100,</div> <div>Nairobi, KENYA.</div> <div>Tel: 02 608 906</div> <div>Fax: 02 608 907</div> <div>E-mail: info@arprimconsultants.com</div>	<div>CLIENT:-</div> <div>STATE DEPARTMENT FOR FISHERIES,</div> <div>AQUACULTURE AND THE BLUE ECONOMY.</div>	<div>PROJECT:-</div> <div>PROPOSED KENYA MARINE FISHERIES AND</div> <div>SOCIO-ECONOMIC DEVELOPMENT (KEMFSD)</div> <div>NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</div>	<div>PROJECT TITLE:-</div> <div>PROPOSED CONSTRUCTION OF MINJILA FISHERIES OFFICE.</div>	<div>NOTES</div> <div>1. Read this drawing in conjunction with relevant G.A.,</div> <div>Services and Architectural drawings. Any discrepancy</div> <div>to be reported to the Engineer.</div> <div>2. All dimensions are in millimetres unless specified</div> <div>otherwise.</div> <div>3. All levels are indicated in mm unless specified otherwise.</div> <div>4. Minimum cover to all reinforcement to be:</div>	<div>8. Safe Bearing Pressure taken to be 200 KN/m².</div> <div>9. Nominal aggregate size to be 20mm.</div> <div>10. Structural concrete to be Class 25 unless stated otherwise.</div> <div>11. Masonry Strength to be 7.0 N/mm².</div>	<div>Designed by</div> <div>BMN</div> <div>Rev</div> <div>Description</div> <div>By</div> <div>Date</div> <div>Drawn by</div> <div>BMN</div> <div>C</div> <div>Checked by</div> <div>H.O.H.</div> <div>B</div> <div>Scale</div> <div>AS SHOWN</div> <div>A</div>	
	<div>DRAWING TITLE:-</div> <div>CIVIL WORKS-SITE LAYOUT AND BOUNDARY WALL DETAILS</div>						
	<div>DRAWING NO: 03-002S-008</div>						





**PARKING & DRIVEWAY**  
One Way Fall  
Scale 1: 50

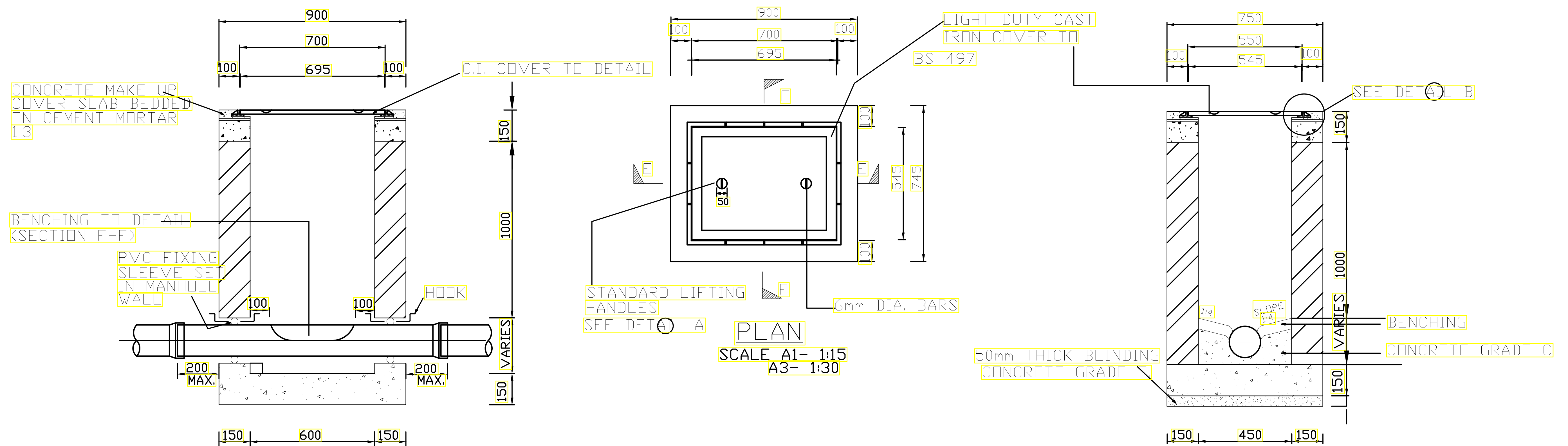




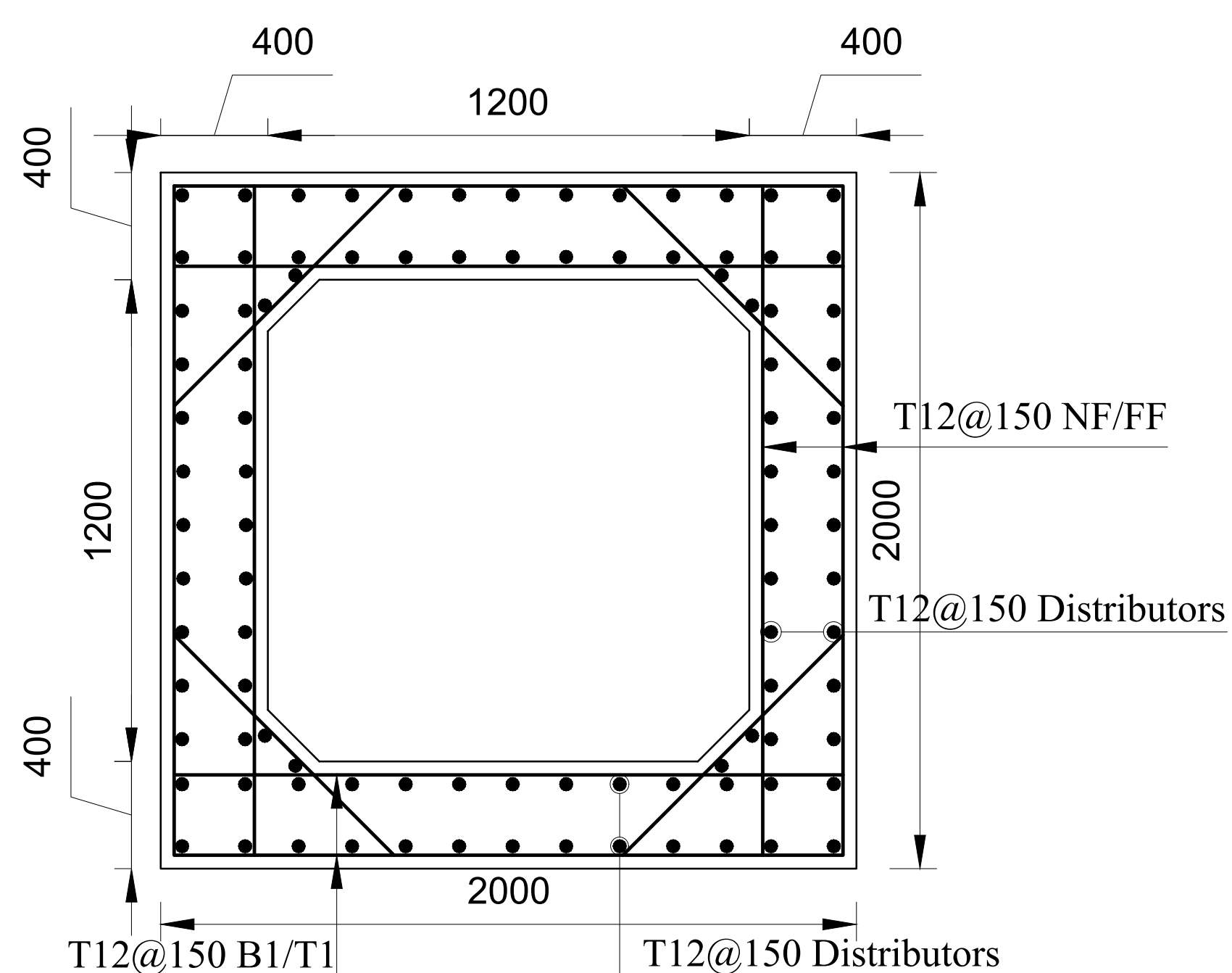
Technical drawing of a roof structure showing a cross-section. The drawing includes the following dimensions and features:

- Top width: 500
- Height: 1200
- Offset from the centerline: 150
- Base width: 400
- Slope angle:  $45^\circ$

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.

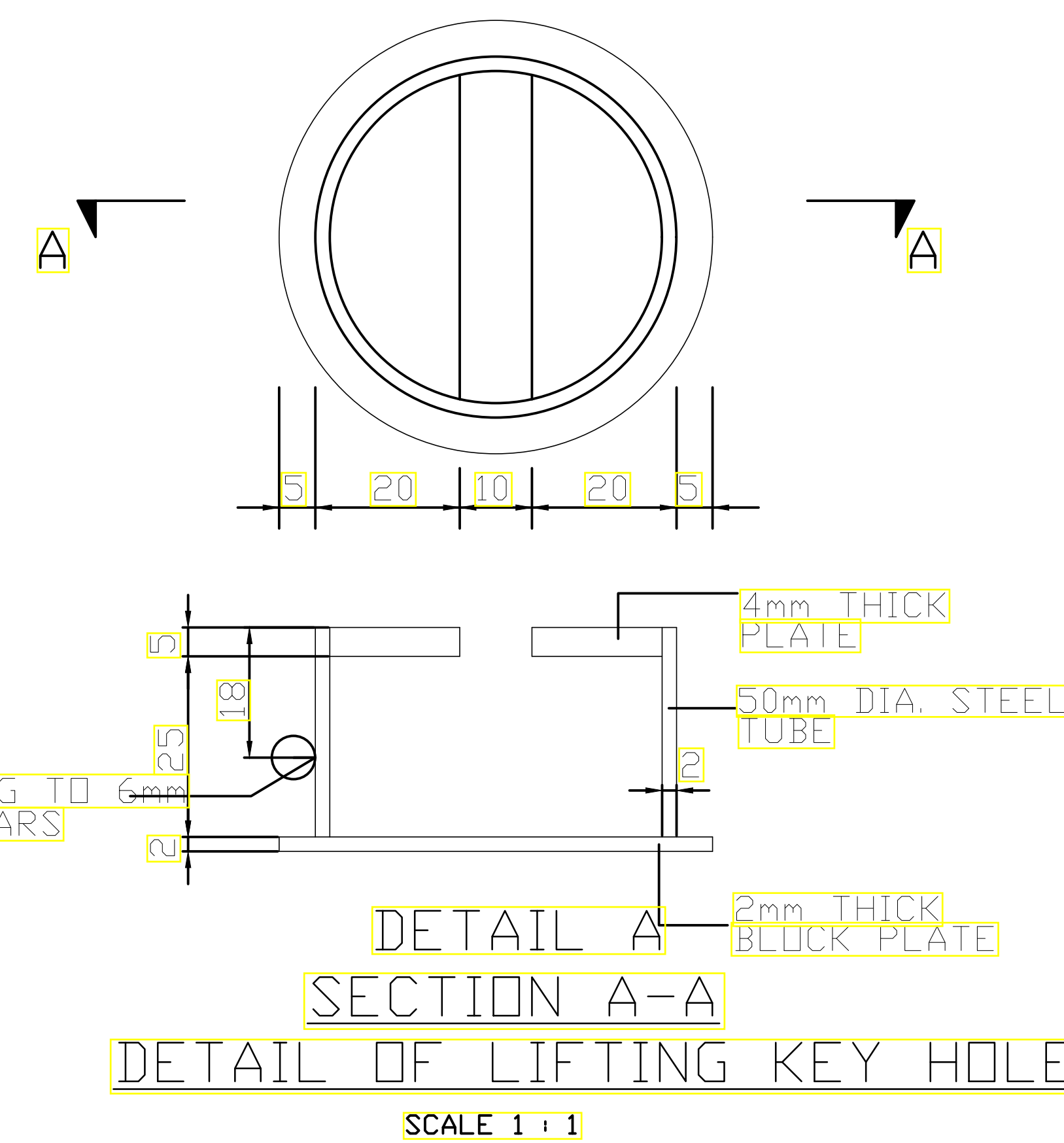


SCALE A1- 1:15  
A3- 1:30

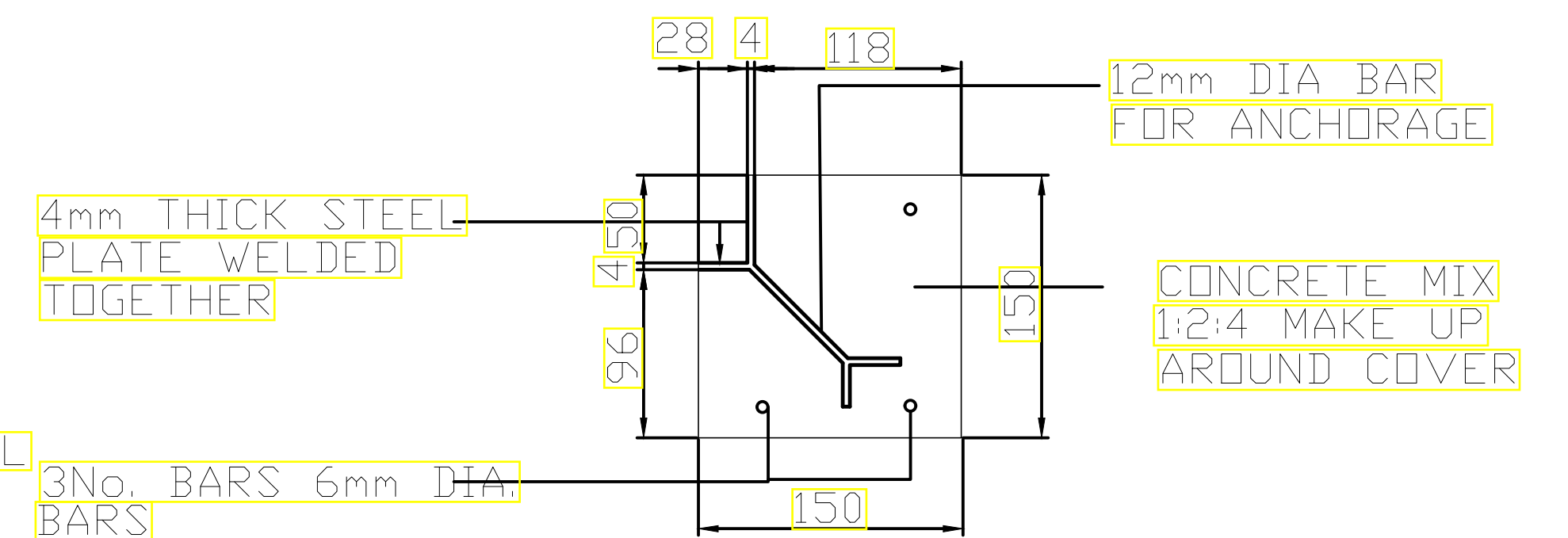


## INSPECTION CHAMBER DETAILS

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



SCALE A1- 1:15  
A3- 1:30



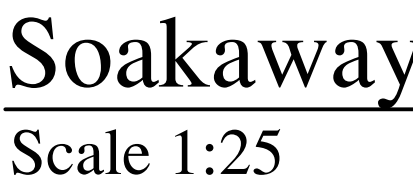
DETAIL B

SECTION SHOWING DETAIL  
OF FRAME FOR P.C.C - I.C COVER

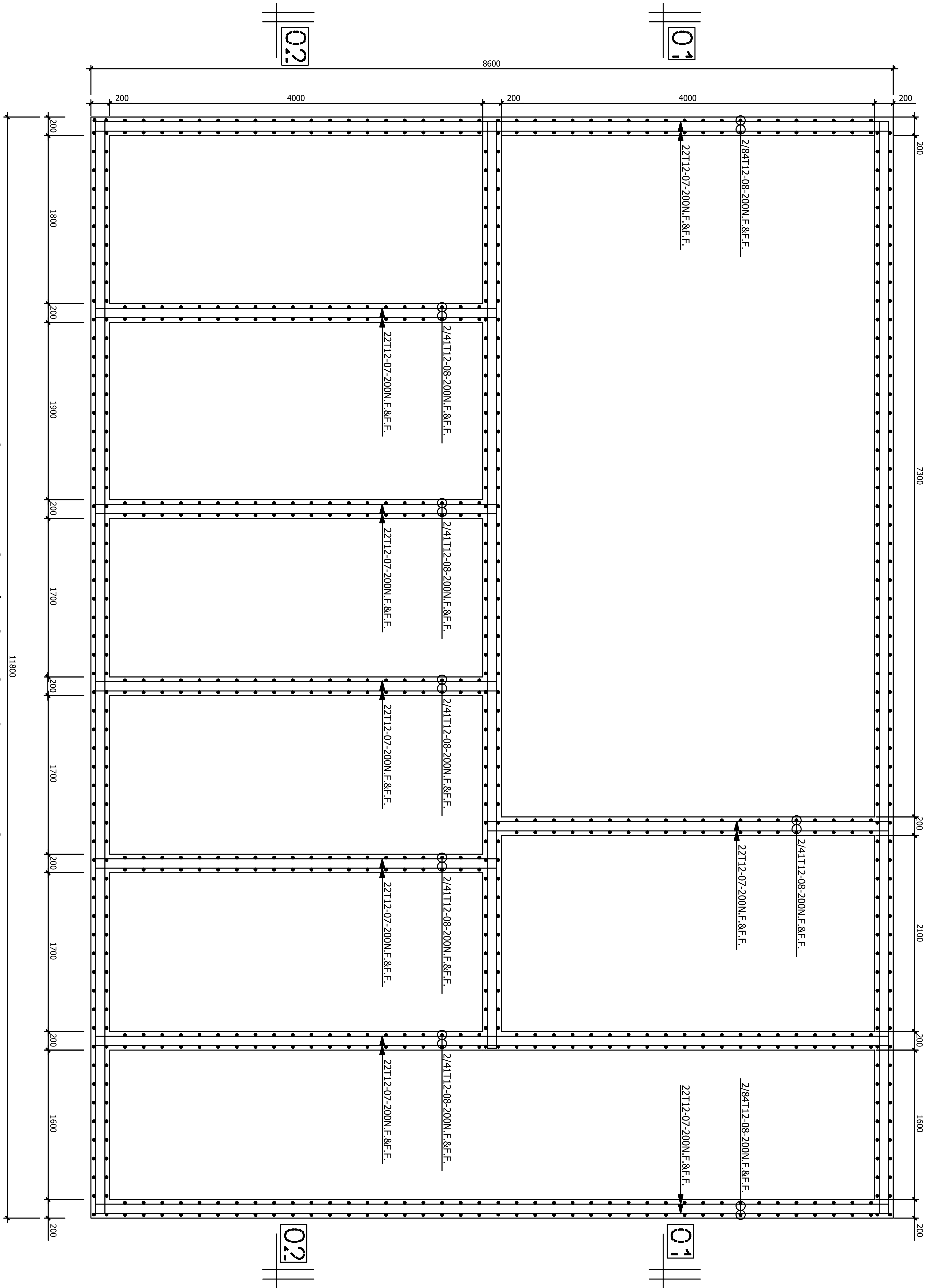
SCALE 1 : 5

<div>CONSULTANT:-</div> <div><b>APRPRIM CONSORTIUM</b> <b>P.O. Box 12969-00100,</b> <b>Nairobi, KENYA.</b> <b>Tel: 02 608 906</b> <b>Fax: 02 608 907</b> <b>E-mail: info@aprimconsultants.com</b></div>	<div>CLIENT:-</div> <div><b>STATE DEPARTMENT FOR FISHERIES,</b> <b>AQUACULTURE AND THE BLUE ECONOMY.</b></div>	<div>PROJECT:-</div> <div><b>PROPOSED KENYA MARINE FISHERIES AND</b> <b>SOCIO-ECONOMIC DEVELOPMENT (KEMFSED)</b> <b>NATIONAL AND COUNTY FISHERIES INFRASTRUCTURE.</b></div>	<div>PROJECT TITLE:-</div> <div><b>PROPOSED CONSTRUCTION OF MINJILA FISHERIES OFFICE.</b></div> <div><div>DRAWING TITLE:-</div><div><b>CIVIL WORKS (SHEET 2)</b></div></div>	<div>NOTES</div> <div><div>1. Read this drawing in conjunction with relevant G.A., Services and Architectural drawings. Any discrepancy to be reported to the Engineer.</div><div>2.All dimensions are in millimetres unless specified otherwise.</div><div>3. All levels are indicated in mm unless specified otherwise.</div><div>4. Minimum cover to all reinforcement to be:</div><div>5. Maximum tolerance on concrete cover is +/- 5mm.</div><div>6. All high tensile (T) and mild steel (R) bars to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4483.</div><div>7. Minimum laps to all bars to be 500 unless stated otherwise.</div></div>	<div>Stairs, Slabs &amp; Walls = 35mm</div> <div>Beams (main bars) = 35mm</div> <div>Columns (main bars) = 40mm</div> <div>Foundations = 75mm</div> <div>8. Safe Bearing Pressure taken to be 200 KN/m².</div> <div>9. Nominal aggregate size to be 20mm.</div> <div>10. Structural concrete to be Class 25 unless stated otherwise.</div> <div>11. Masonry Strength to be 7.0 N/mm².</div>	<table><tr><td>Designed by</td><td>BMN</td><td>Rev</td><td>Description</td><td>By</td><td>Date</td></tr><tr><td>Drawn by</td><td>BMN</td><td>D</td><td></td><td></td><td></td></tr><tr><td>Checked by</td><td>H.O.H.</td><td>C</td><td></td><td></td><td></td></tr><tr><td>Scale</td><td>AS SHOWN</td><td>A</td><td></td><td></td><td></td></tr></table> <div><div>DRAWING NO: 03-002S-010</div></div>	Designed by	BMN	Rev	Description	By	Date	Drawn by	BMN	D				Checked by	H.O.H.	C				Scale	AS SHOWN	A			
	Designed by	BMN	Rev	Description	By	Date																								
	Drawn by	BMN	D																											
	Checked by	H.O.H.	C																											
	Scale	AS SHOWN	A																											

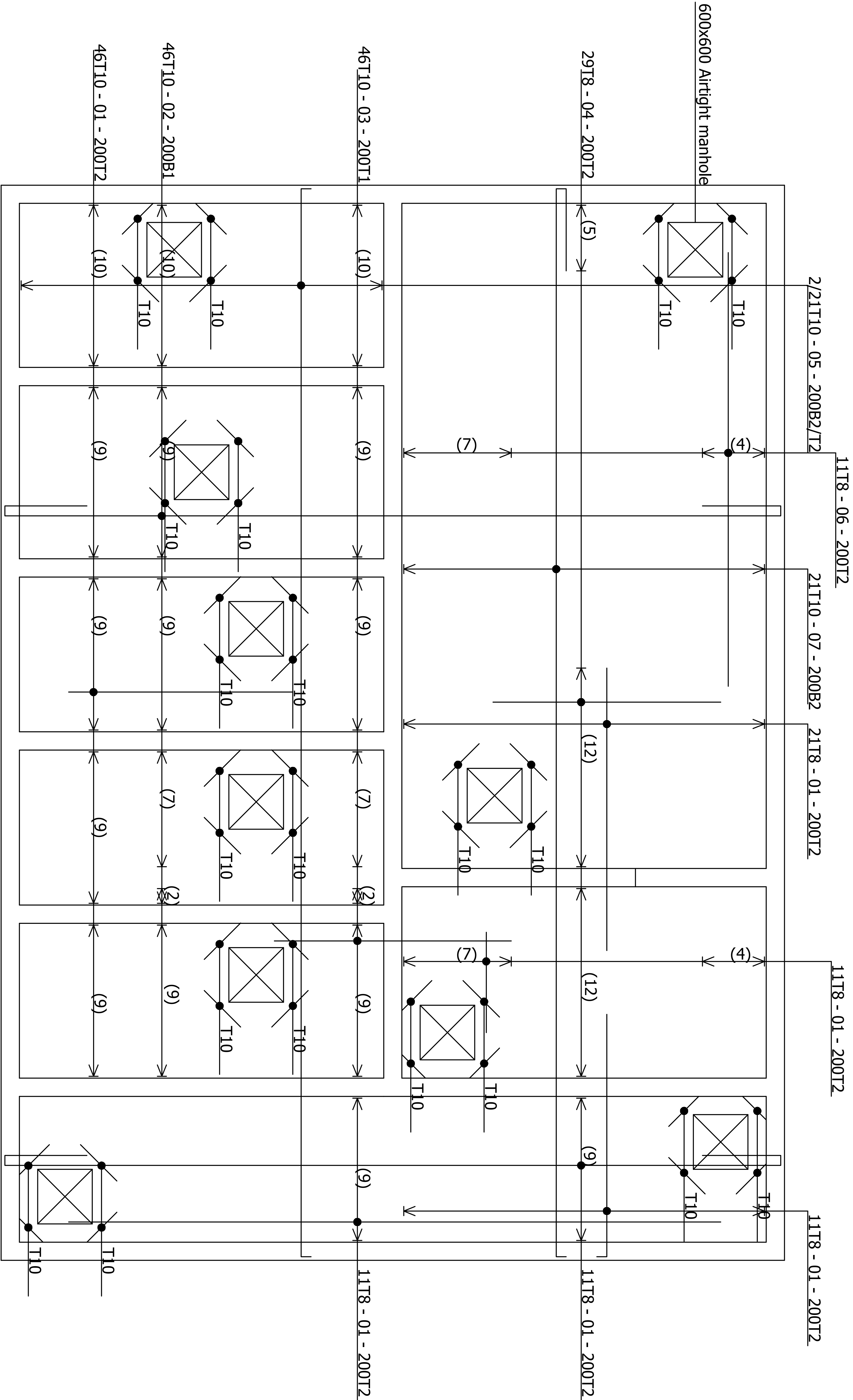






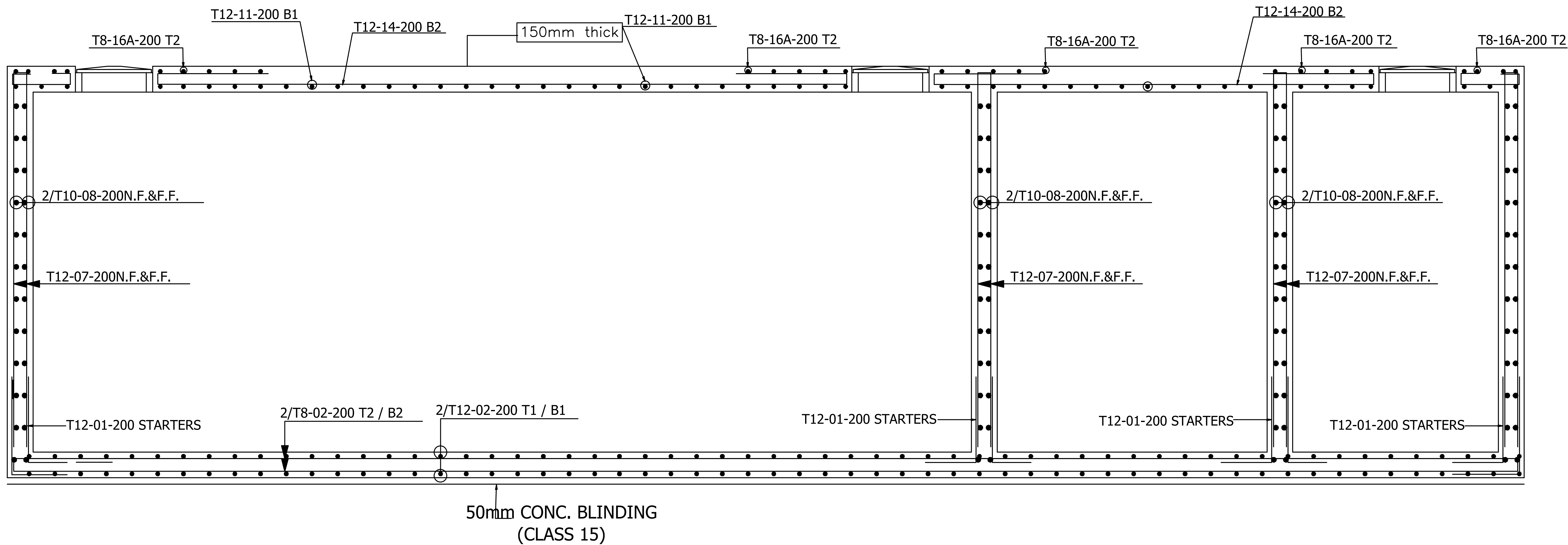


FOUNDATION / BOTTOM SLAB LAYOUT  
SCALE 1:25

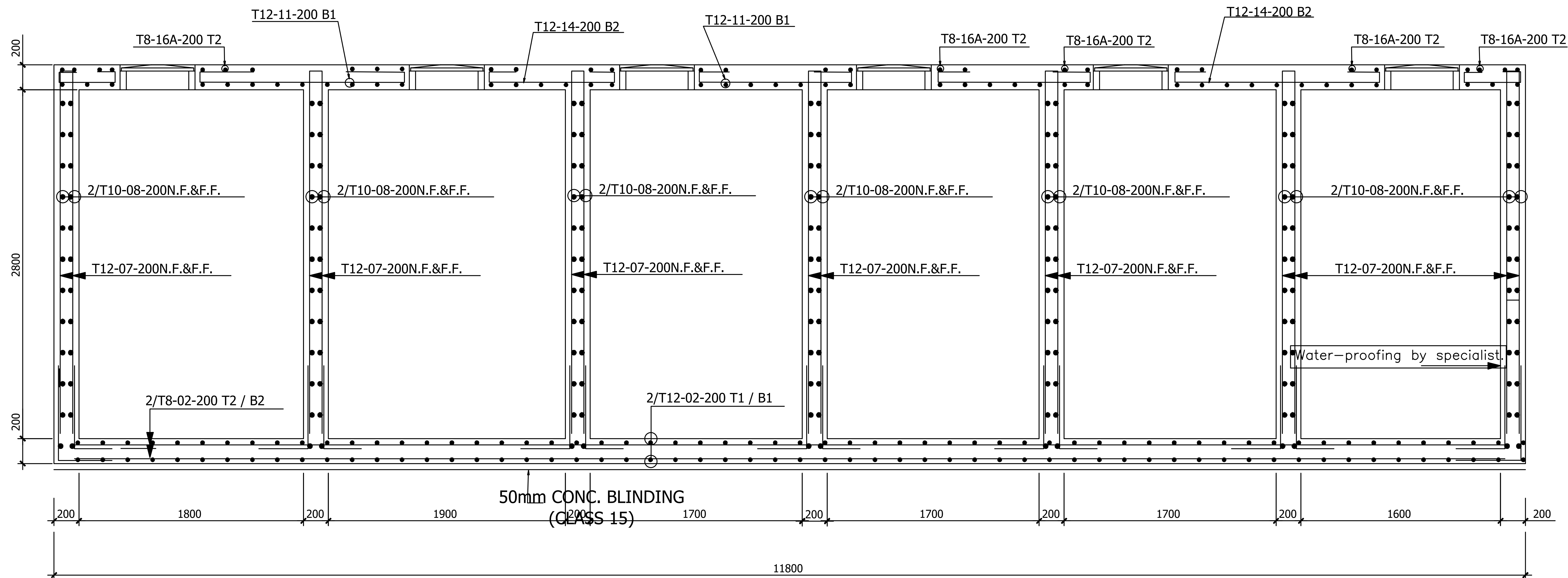


TOP SLAB LAYOUT  
150mm THICK SOLID SLAB  
SCALE 1:25

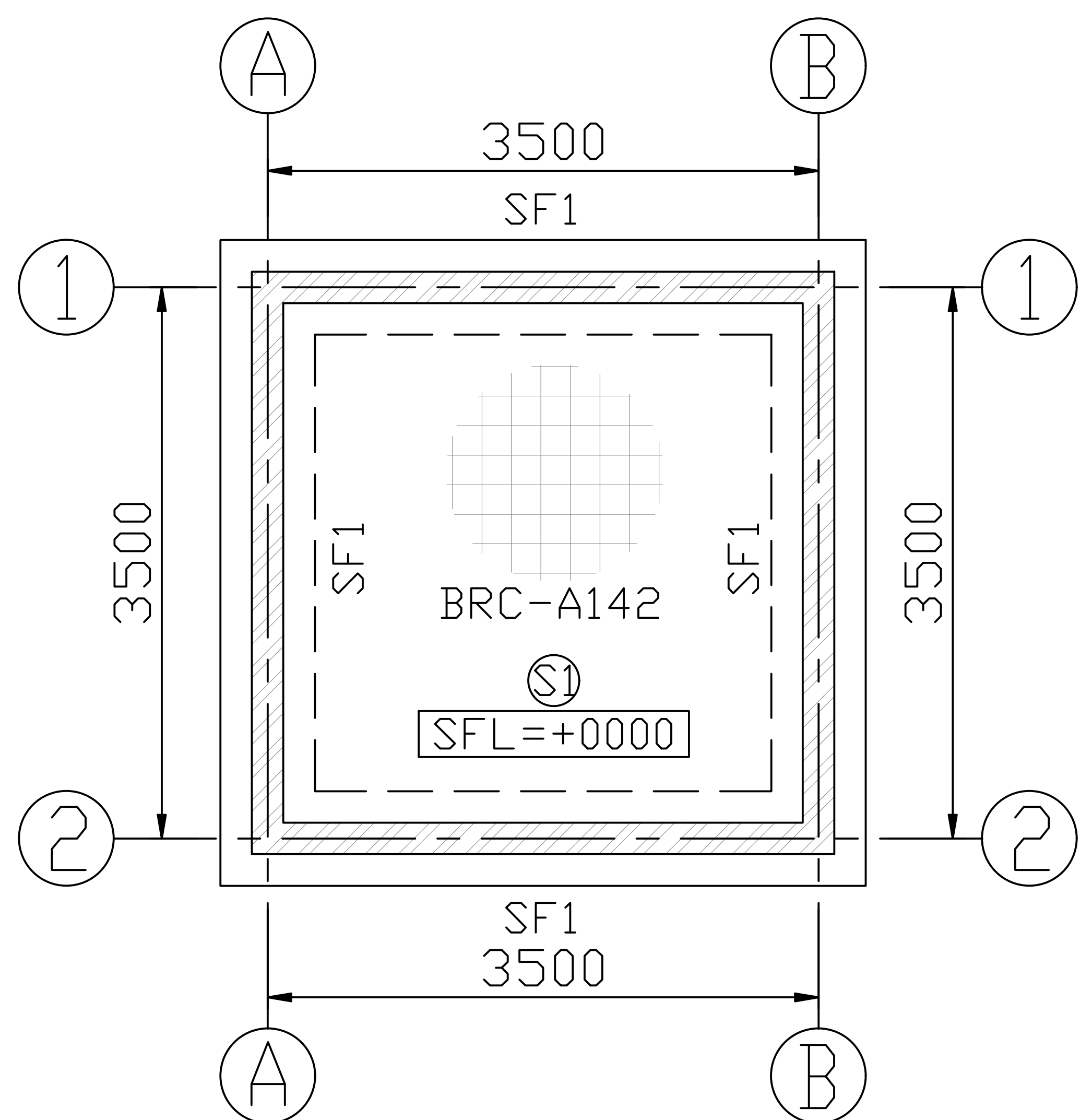




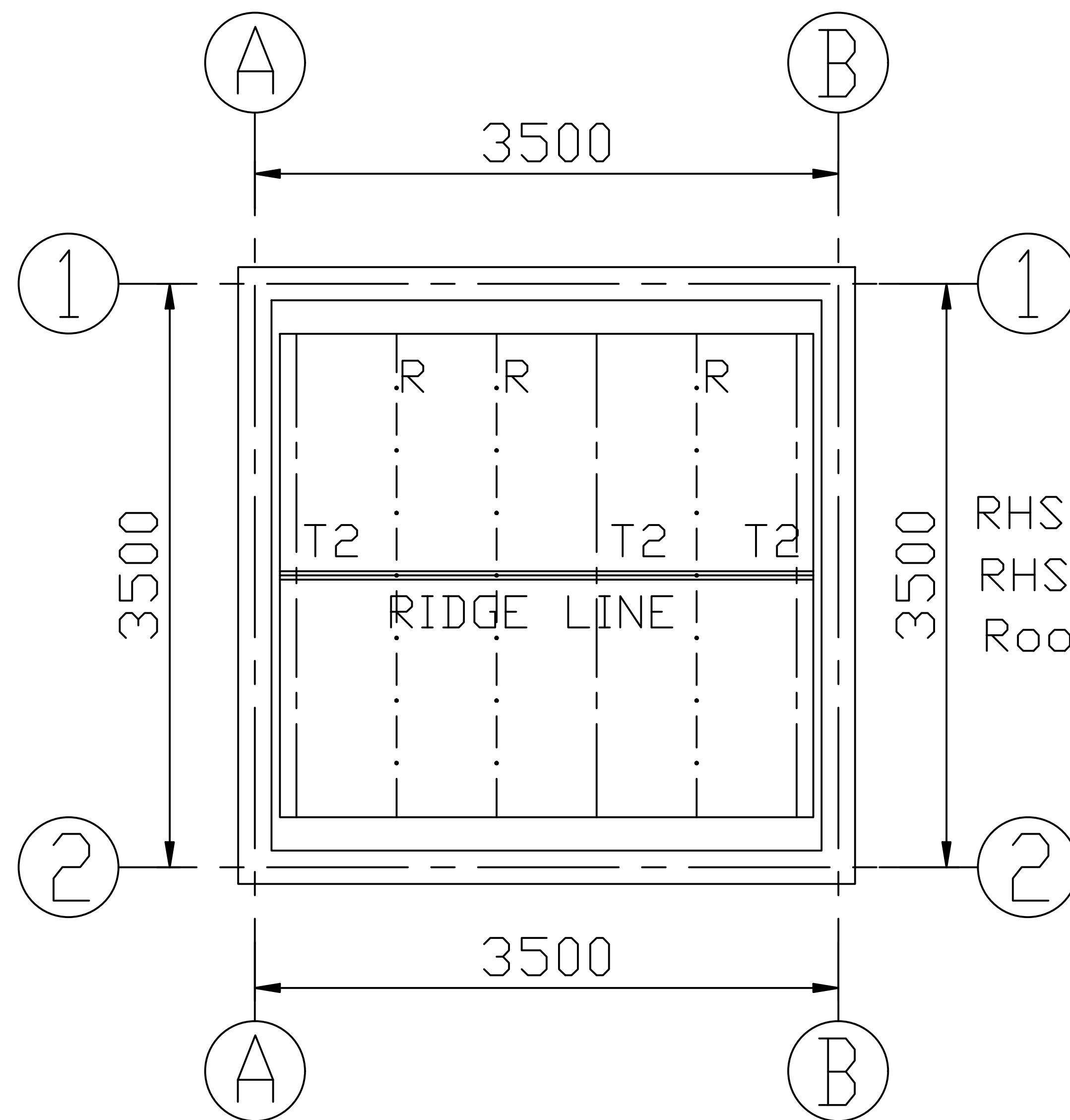
SECTION 01 - 01: REINFORCEMENTS DETAILS.  
SCALE 1:25



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

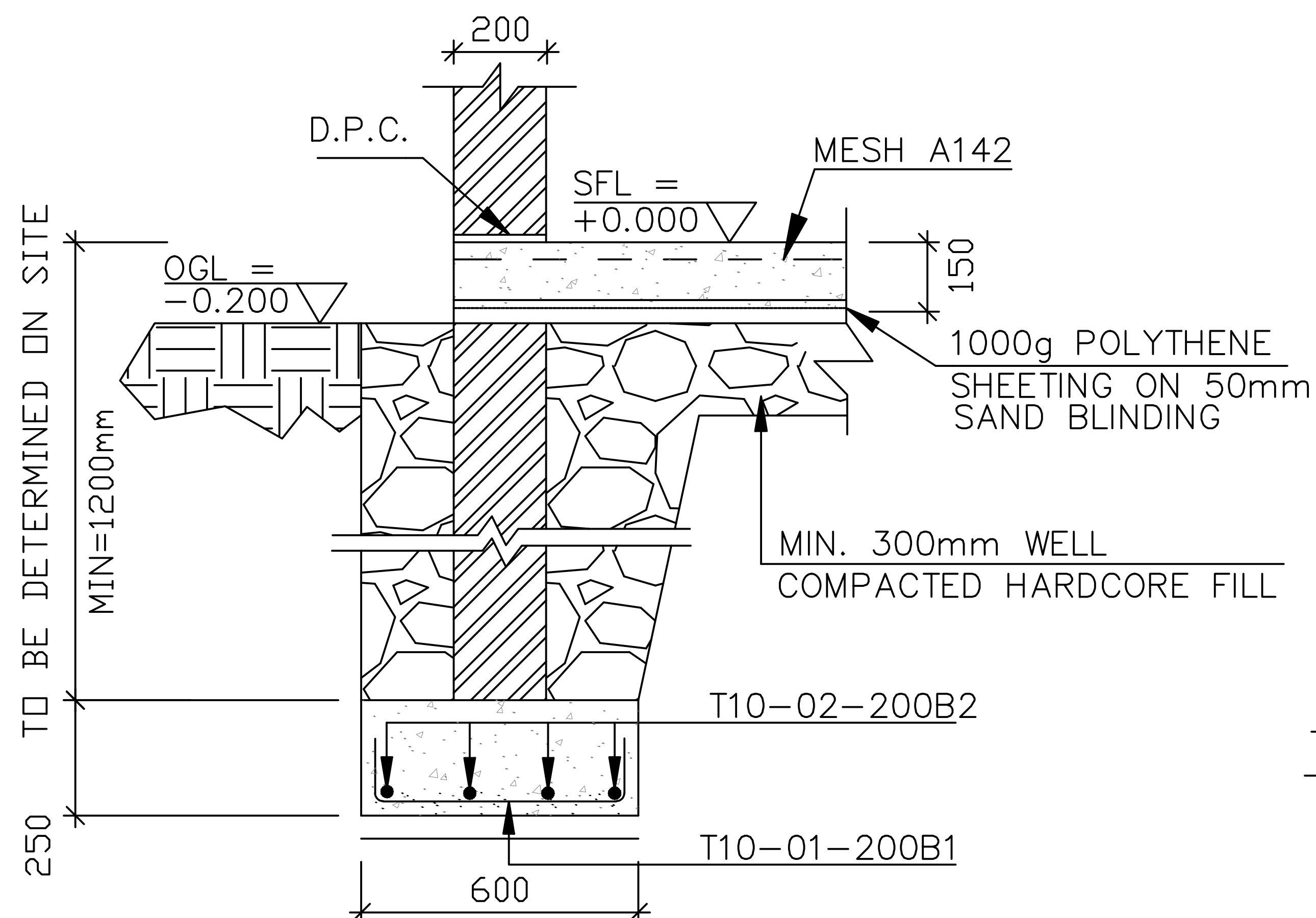


FOUNDATION G.A. LAYOUT  
MAIN GUARD HOUSE  
SCALE 1:75

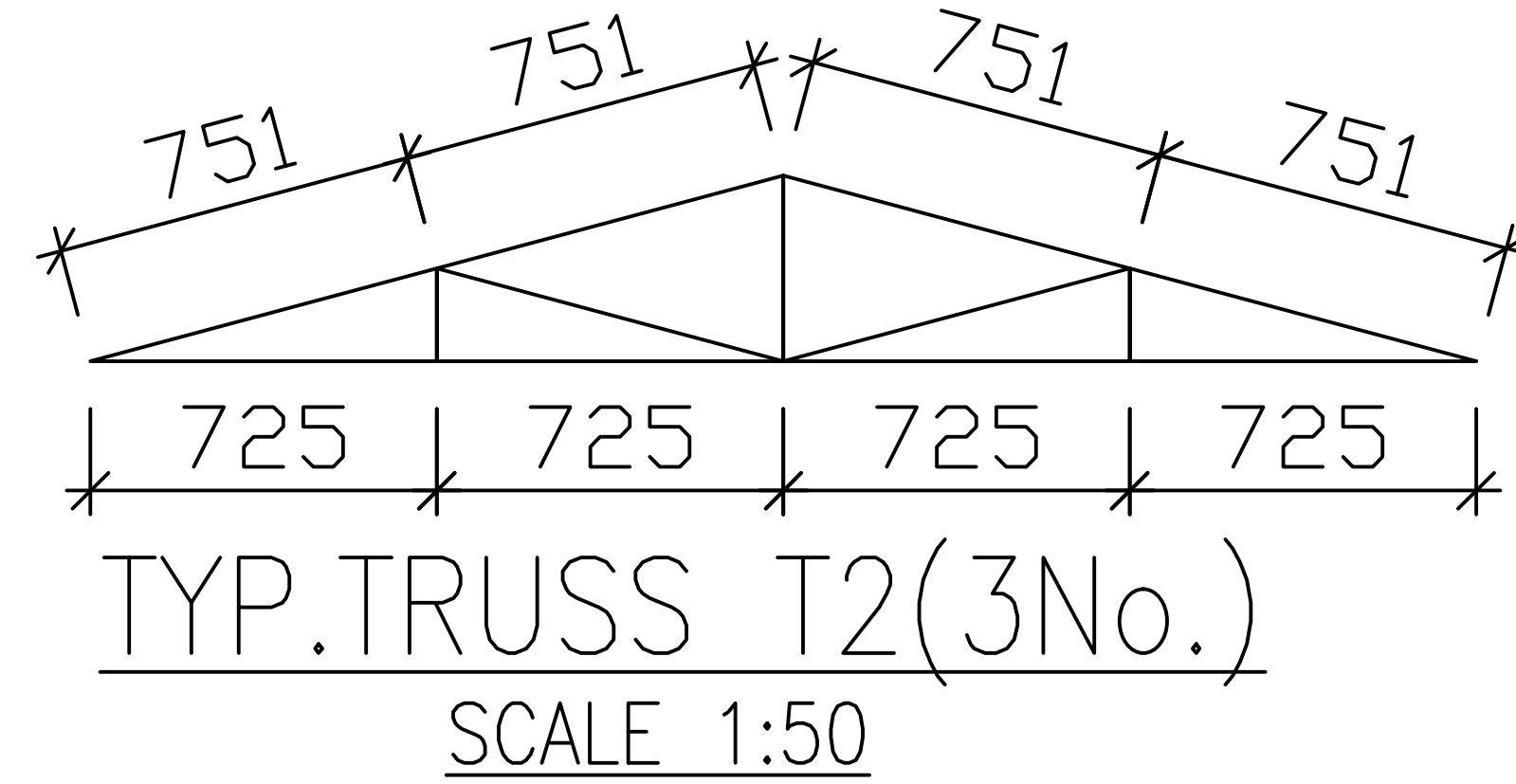


ROOF TRUSS LAYOUT  
MAIN GUARD HOUSE  
SCALE 1:75

RHS Trusses (T) @ 1.8m c/c  
RHS Rafters (R) @ 600mm c/c  
Roof Pitch = 15°

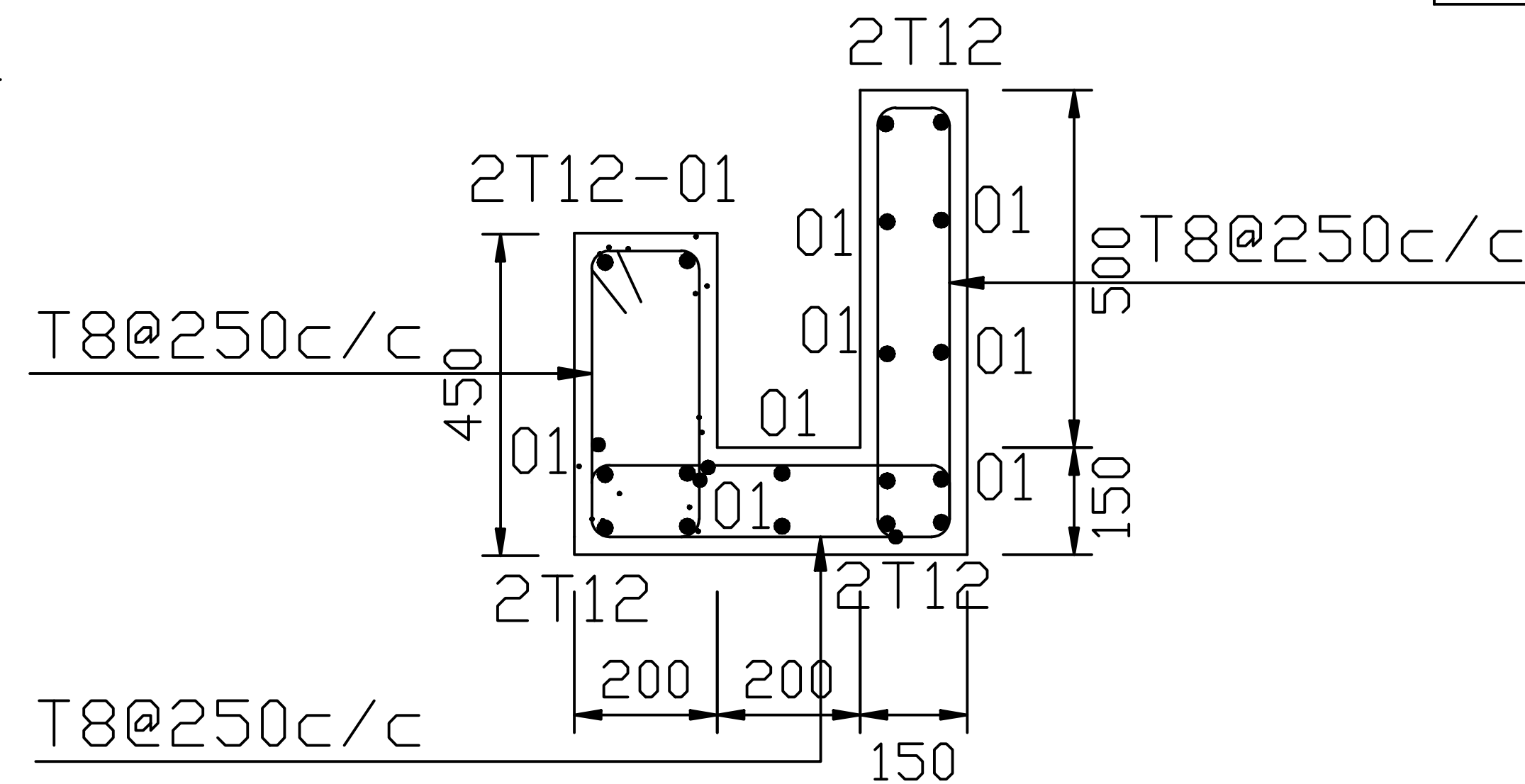


SECTION A-A  
SECTION THRO' SF1  
EXTERNAL STRIP FOOTING  
SCALE 1:25



TYP. TRUSS T2 (3 No.)

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



TYP. GUTTER & BEAM DETAILS  
SCALE 1:25



**DRAWING TITLE: PROPOSED CONSTRUCTION OF OFFICE & RELATED INFRASTRUCTURE- MINJILA****DRAWING NUMBER: 03-003E- 001**

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	ELECTRICAL ENGINEERING DRAWINGS				
1	LIST OF DRAWINGS	03- 003E- 001	A3	PDF/ EXCEL	Provided
2	LIGHTING & POWER SYSTEM GENERAL NOTES	03- 003E- 002	A3	PDF/ DWG	Provided
3	ELECTRICAL SCHEDULE OF SYMBOLS	03- 003E- 003	A3	PDF/ DWG	Provided
4	GROUND FLOOR LIGHTING LAYOUT	03- 003E- 004	A2	PDF/ DWG	Provided
5	GROUND FLOOR POWER LAYOUT	03- 003E- 005	A2	PDF/ DWG	Provided
6	GROUND FLOOR FIRE ALARM LAYOUT	03- 003E- 006	A2	PDF/ DWG	Provided
7	GROUND FLOOR CCTV LAYOUT	03- 003E- 007	A2	PDF/ DWG	Provided
8	GROUND FLOOR FANS LAYOUT	03- 003E- 008	A2	PDF/ DWG	Provided
9	GROUND FLOOR SCHEMATICS	03- 003E- 009	A2	PDF/ DWG	Provided
10	FIRST FLOOR LIGHTING LAYOUT	03- 003E- 010	A2	PDF/ DWG	Provided
11	FIRST FLOOR POWER LAYOUT	03- 003E- 011	A2	PDF/ DWG	Provided
12	FIRST FLOOR FIRE ALARM LAYOUT	03- 003E- 012	A2	PDF/ DWG	Provided
13	FIRST FLOOR CCTV LAYOUT	03- 003E- 013	A2	PDF/ DWG	Provided
14	FIRST FLOOR FANS LAYOUT	03- 003E- 014	A2	PDF/ DWG	Provided
15	FIRST FLOOR SCHEMATICS	03- 003E- 015	A2	PDF/ DWG	Provided
16	ROOF PLAN LIGHTING LAYOUT	03- 003E- 016	A2	PDF/ DWG	Provided
17	ROOF PLAN POWER LAYOUT	03- 003E- 017	A2	PDF/ DWG	Provided
18	SITE PLAN ELECTRICAL LAYOUT	03- 003E- 018	A2	PDF/ DWG	Provided
19	STREET LIGHT LAYOUT	03- 003E- 019	A3	PDF/ DWG	Provided
20	SOLAR SCHEMATIC	03- 003E- 020	A4	PDF/ DWG	Provided

## GENERAL NOTES

- ALL ELECTRICAL WORKS CARRIED OUT SHALL COMPLY WITH THE LATEST EDITION OF IEEE WIRING REGULATIONS, BS 7671 AND RELEVANT LOCAL AUTHORITY REQUIREMENTS.
- FARTHING 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.
- THE MOUNTING HEIGHT OF ALL SWITCH SOCKET OUTLET SHALL BE AT 300mm FROM FINISHED FLOOR LEVEL EXCEPT IN WET AREAS WHERE IT SHALL BE 1500mm FROM FINISHED FLOOR LEVEL OR UNLESS OTHERWISE STATED.
- THE POSITIONING OF ALL LIGHTING LUMINAIRES, SWITCH SOCKET OUTLETS, DISTRIBUTION BOARDS ETC. AS SHOWN IN THE DRAWINGS ARE APPROXIMATE ONLY. THE EXACT POSITIONS SHALL BE DETERMINED AT SITE.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL LOAD BALANCING, AND LABELING OF ALL EQUIPMENT AND SWITCHBOARDS THROUGHOUT THE INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO LIAISE WITH KPJC AND THE LOCAL AUTHORITIES FOR ALL CLEARANCES, CABLE JOINTING, TESTING AND ELECTRICITY METERING FOR THE INSTALLATION.
- THE OVERALL RESISTANCE FOR THE FARTHING SYSTEM (ELECTRICAL) SHALL BE LESS THAN 1 OHM AND IN ANY CASE SHALL COMPLY WITH KPJC REQUIREMENTS.
- ALL DISCHARGE LIGHTING LUMINAIRES, IF ANY, SHALL BE COMPLETE WITH BUILT-IN CONTROL GEAR, LAMP, LOW LOSS BALLAST, AND AUXILIARY QUARTZ LAMP FOR DISCHARGE LAMP RE-STRIKING.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING OF ALL CABLE PENETRATION OPENINGS BETWEEN FLOOR SLABS AND WALLS ETC., WITH APPROVED FIRE RATING MATERIAL/SEALANT TO CONSULTANT'S APPROVAL.
- 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.
- ALL FLUORESCENT LIGHTING LUMINAIRES SHALL BE COMPLETE WITH LOW LOSS BALLAST, TUBE LAMPS ETC. COLOUR OF LIGHT OUTPUT SHALL BE AS SPECIFIED BY THE CONSULTANT OR INTERIOR DECORATOR.
- THE ELECTRICAL SUB-CONTRACTOR SHALL BACKFILL WITH SANDBAG THE MANHOLES AND DRAIN PITS TO COMPLY TO TECHNICAL SPECIFICATIONS.
- ALL CABLES TO BE LAID IN HD UPVC PIPES SHALL BE ENCASED IN CONCRETE WHEN LAID ACROSS THE DRIVEWAY.
- ALL UNDERGROUND WIRING SHALL BE OF XLPE/SWA/PVC CABLE (IN HD UPVC PIPE FOR HARD GROUND / PAVEMENT).
- 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.
- 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.
- ALL WIRING TO LIGHTING LUMINAIRES SHALL COMPRISE OF APPROVED CEILING ROSE FOR INDOOR INSTALLATION AND WEATHERPROOF JUNCTION BOX FOR OUTDOOR INSTALLATION. CONNECTION TO LIGHT FIXTURE SHALL BE BY MEANS OF PVC SHEATHED FLEXIBLE CABLE FOR NORMAL SUPPLY, FR CABLE FOR EMERGENCY SUPPLY AND ARMoured CABLE FOR OUTDOOR INSTALLATION.
- ALL LIGHTING POLE SPECIFIED SHALL COMPRISE OF RAIL MOUNTED 10A MCB IN THE COMPARTMENT. ALL POLE SHALL HAVE ITS OWN LIGHTNING ELECTRODES. OUTDOOR INSTALLATION SHALL BE IN HEAVY DUTY UPVC PIPES OF 100mm DIAMETER (MINIMUM).
- MCB's RATED < 100A PROTECTING CABLES SUPPLYING LOADS WITH HIGH SWITCH-ON CURRENT (E.G. MOTORS, HID LAMPS, ETC.) SHALL HAVE THE 'C' MAGNETIC CURVE RATING UNLESS OTHERWISE INDICATED IN THE PLANS. UNLESS OTHERWISE STATED, ALL BUSBARS ARE OF 10 COPPER AND SHALL BE RATED AT A CURRENT DENSITY OF NO MORE THAN 1.55A/SQ. MM.
- 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.
- 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.
- 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.
- ALL POWER CONDUITS AND TRUNKING WHICH ARE EXPOSED SHALL BE PAINTED WITH A COAT OF RUST-RESISTING PRIMER AND TWO COATS OF ELECTRIC ORANGE.
- ALL CONDUITS SHALL BE R.C. R.C. CONDUITS SHALL COMPLY WITH THE LATEST DEWA REGULATIONS ON ELECTRICAL INSTALLATIONS. MINIMUM SIZE SHALL NOT BE LESS THAN 20mm (INSIDE DIAMETER). ALL THREADS IN CONDUITS SHALL BE TREATED WITH ALUMINUM PAINT OR SIMILAR ANTI-RUST PAINT TO PREVENT CORROSION AT JOINTS AND TERMINATION. CONNECTIONS SHALL BE BY MEANS OF COUPLER. SHALL BE USED FOR DIFFERENT CIRCUITS.
- PHASE SEGREGATION SHALL COMPLY WITH THE LATEST REQUIREMENTS OF THE IEEE WIRING REGULATIONS. SEPARATE CONDUITS SHALL BE USED FOR CABLES OF DIFFERENT CIRCUIT PATTERNS. FOR 3 PHASE FINAL CIRCUITS, SEPARATE CONDUITS SHALL BE USED FOR DIFFERENT CIRCUITS.
- ALL LIGHTING POINTS SHALL BE PROVIDED WITH CIRCUIT PROTECTIVE CONDUCTORS AND ALL METAL PARTS SHALL BE CONTINUOUSLY EARTHED THROUGHOUT.
- 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.
- EACH CIRCUIT SHALL BE TESTED FOR GROUNDS AND SHORTS BY MEANS OF A MEGGER INSULATION RESISTANCE TESTING INSTRUMENT APPLYING A VOLTAGE OF NOT LESS THAN 500V D.C. UPON CIRCUIT UNDER TEST.
- CABLES FOR ESSENTIAL CIRCUITS SUCH AS EMERGENCY LIGHTING CIRCUITS AND FIRE FIGHTING EQUIPMENT CIRCUITS ETC. SHALL NOT BE DRAWN INTO THE SAME CONDUIT, DUCT OR TRUNKING INTENDED FOR NORMAL CIRCUITS AS PER IEEE 364 WIRING REGULATION. ALL CABLES AND WIRES FOR LIFE SAFETY AND ESSENTIAL CIRCUIT SHALL BE OF 2HRS FIRE RATED.
- FOR SINGLE PHASE SUPPLY, CIRCUITS OF DIFFERENT PHASES SHALL NOT SHARE THE SAME CONDUIT.
- ALL SHUNT TRIP RELEASES OF ACB'S IN THE MAIN ELECTRICAL SWITCHBOARD SHALL BE RATED AT 10V D.C. A BATTERY SUPPLY OF SUFFICIENT CAPACITY SHALL BE PROVIDED FOR THE TRIPPING OF ACB. CAPACITY OF BATTERY SHALL BE SUBMITTED FOR THE CONSULTANT'S APPROVAL PRIOR TO INSTALLATION.
- ALL EARTH TESTS SHALL BE CARRIED OUT WITH A 1000V MEGGER TEST INSTRUMENT AND IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF DEWA WIRING REGULATIONS.
- 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.
- THE ELECTRICAL CONTRACTOR SHALL LIAISE WITH ELV SYSTEMS CONTRACTOR VIA THE MAIN CONTRACTOR TO ENSURE THAT POWER SUPPLIES FOR ALL EQUIPMENT ARE ADEQUATELY PROVIDED TO SUIT THE SYSTEM REQUIREMENTS.
- EQUIPOTENTIAL BONDING SHALL BE PROVIDED FOR ALL TOILETS.
- ALL POWER OUTLET, LIGHTING, ETC., LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE ELECTRICAL SUB-CONTRACTOR MUST CO-ORDINATE WITH LIAISON AND/OR THE INTERIOR DESIGNER, AS WELL AS EQUIPMENT SUPPLIERS.

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

## ELECTRICAL BOARD AND COMPONENTS

- ALL MCCB'S INSTALLED SHALL COMPLETE WITH ADJUSTABLE THERMAL AND MAGNETIC SETTING OF APPROPRIATE RANGE.
- ALL MCBs USED FOR PROTECTION OF LIGHTING AND SMALL POWER SHALL OF TYPE C CHARACTERISTIC. ALL MCCBS/MPCBS USED FOR PROTECTION OF MOTOR LOADS SHALL BE OF TYPE D CHARACTERISTIC. HOWEVER, MOTOR PROTECTION COORDINATION STUDY SHALL BE SUBMITTED BY THE CONTRACTOR FOR ENGINEER'S/CONSULTANT'S REVIEW AND APPROVAL.
- MCCBs/MCBs IN THE MAIN SWITCHBOARDS, SUB-SWITCHBOARDS, DISTRIBUTION BOARDS SHOWN HEREIN AND OTHER DRAWINGS PROTECTING MOTOR CIRCUITS FOR PUMPS, FANS, AWLS, 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.
- ALL PROTECTION CTs SHALL BE OF CLASS COMPLYING TO DEWA REQUIREMENT OR BETTER.
- ALL METERING CTs SHALL BE OF CLASS COMPLYING TO DEWA REQUIREMENT OR BETTER.
- BUSBAR MARKINGS, ARRANGEMENTS, CONNECTIONS AND GRADE OF COPPER SHALL COMPLY AS APPROPRIATE WITH BS.159, 1433 AND 1977.
- ALL ELECTRICAL BOARDS BUSBARS SHALL BE OF HARD DRAWN TINNED COPPER AND SHALL HAVE A CURRENT DENSITY OF NOT LESS THAN 1.55A/SQ.MM. WHEN MORE THAN ONE SET OF BUSBARS ARE USED PER PHASE, APPROPRIATE DERATING FACTOR SHALL APPLY.
- ALL NON-CURRENT CARRYING METALLIC PARTS OF THE DISTRIBUTION BOARDS SHALL BE BONDED TO SYSTEM EARTH.
- THERE SHALL BE A COMMON EARTH BAR IN EACH ELECTRICAL BOARD.
- 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.
- NEUTRAL AND EARTH BARS SHALL HAVE SUFFICIENT NUMBER OF WAYS TO MATCH THE NUMBER OF SUB-CIRCUITS WITH SPARES.
- THE MINIMUM CLEARANCE AROUND THE NEUTRAL LINKS SHALL BE 50mm.
- 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/AGREED ROUTING (SUBJECT TO THE SUPERVISING CONSULTANT APPROVAL) OF THE ACTUAL/AGREED ROUTING (SUBJECT TO THE SUPERVISING CONSULTANT APPROVAL) OF THE PANEL AND BUSBARS SELECT THE MOST APPROPRIATE DISTRIBUTION CAPACITY AT 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.
- ALL ELECTRICAL EQUIPMENT AND ACCESSORIES THAT ARE EXPOSED TO WEATHER SHALL BE OF WEATHERPROOF TYPE TO IP65, UNLESS OTHERWISE STATED.
- IDMT OVERCURRENT AND EARTH FAULT RELAYS SPECIFIED SHALL BE COMPLETE WITH HIGH SET ELEMENT.
- 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.
- 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.
- ALL MOTOR SHALL BE PROVIDED WITH EMERGENCY STOP BUTTON RIGHT NEXT TO THE EQUIPMENT.
- UNLESS OTHERWISE INDICATED, THE MCCBs/MCBs INSTALLED FOR ANY MAIN SWITCHBOARDS, SUB-BOARDS AND DISTRIBUTION BOARDS SHALL HAVE THE FOLLOWING MINIMUM BREAKING CAPACITY.

MAIN SWITCHBOARD : 50KA RMS, 1 SEC.  
SUB-BOARDS : 20KA RMS, 1 SEC.  
DISTRIBUTION BOARDS : 10KA RMS, 1 SEC.

## CO-ORDINATION AND INSTALLATION

- THE ELECTRICAL CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEERS FOR PENETRATION THROUGH R.C. BEAMS AND FLOOR SLABS PRIOR TO CONSTRUCTION.
- ALL CONDUITS LAYOUT AND INSTALLATION METHODS SHALL BE IDENTICAL IN ALL ROOMS AS MUCH AS POSSIBLE.
- ALL MATERIALS/ CABLES TO BE USED AND INSTALLATION METHOD SHALL COMPLY WITH THE TECHNICAL SPECIFICATION, STANDARDS, CODE OF PRACTICE AND AUTHORITY REQUIREMENT.
- 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.
- ALL ELECTRICAL AND ELV DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE LATEST ARCHITECTURAL DRAWINGS, INTERIOR DESIGN DRAWINGS, OTHER SERVICES DRAWINGS AND SPECIFICATIONS.

## LIGHTNING PROTECTION SYSTEM

- LIGHTNING PROTECTION SYSTEM SHALL COMPLY WITH IEC CODE OF BS EN 62305.
- 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.
- ELECTRICAL CONTRACTOR SHALL LIAISE WITH MAIN CONTRACTOR FOR INSTALLATION OF EARTH ELECTRODE PITS. WATER PROOFING FOR ELECTRODES THROUGH R.C. SLAB SHALL BE PROVIDED UNDER THIS CONTRACT.
- ALL PENETRATIONS THROUGH ROOF TO BE MADE WATER TIGHT AFTER INSTALLATION OF DOWN CONDUCTOR CABLES, ETC.

## TENDER ISSUE

### EARTHING SYSTEM

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

### CABLES AND ANCILLARY PRODUCTS

- 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.
- SEPARATE CONDUIT/MULTI-POLE SWITCH BOX SHALL BE PROVIDED FOR FINAL SUB-CIRCUIT OF DIFFERENT PHASES. ALSO A SIGN SHALL BE PROVIDED TO INDICATE THE VOLTAGE BETWEEN THEM IN ACCORDANCE WITH DEWA REGULATION FOR THE INSTALLATIONS.
- ALL EXTERNAL/LANDSCAPE LIGHTING POINTS SHALL BE PROVIDED WITH CABLES WITH ADDITIONAL LENGTH OF 5m.
- SPACE FACTOR OF CONDUIT & TRUNKING SHALL COMPLY WITH DEWA REGULATION OF PRACTICE FOR WIRING OF ELECTRICAL EQUIPMENT OF BUILDINGS.
- ALL SUB-MAINS CIRCUITS TO BE COMPLETE WITH CIRCUIT PROTECTIVE CONDUCTOR (CPC) COMPLYING TO DEWA REGULATION FOR THE INSTALLATIONS.
- NEUTRAL & EARTH CABLES FOR EACH DIFFERENT CIRCUIT SHALL BE BROUGHT BACK TO THE SOURCE PANEL AND SHALL NOT BE LOOPED TOGETHER OUTSIDE THE PANEL.
- ALL ELECTRICAL CONDUITS AND CONDUIT BOXES TO CAST WITHIN R.C. SLAB AT WET AREAS MUST HAVE TIGHTLY SEALED AND WATERPROOF JOINTS.
- ALL UNDERGROUND JUNCTION BOXES SHALL BE OF G.I., TYPE. KNOCK OUT BOXES SHALL NOT BE USED AS UNDERFLOOR JUNCTION BOXES.
- THE SIZES OF CABLE TRAY/TRUNKING/CONDUIT AS SHOWN IN DRAWINGS ARE APPROXIMATE ONLY. ELECTRICAL SUB-CONTRACTOR IS DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY ADJUSTMENT TO ACCOMMODATE THE CABLES AND SHALL SUBMIT ALL DETAILED CO-ORDINATED CABLE CONDUIT/TRUNKING/TRAY / LAMPED ROUTE PLANS AND SECTION DRAWINGS TO THE SUPERVISION CONSULTANT FOR CLEARANCE PRIOR TO STARTING WORK ON SITE.
- ALL UNDERGROUND CABLES CROSSING DRIVEWAYS OR HARDCORE AREAS ARE TO BE PROVIDED WITH HEAVY DUTY PVC PIPES, ENCASED IN CONCRETE WITH FULL HAUNCHING.
- ALL STRAIGHT CONDUIT RUNS EXCEEDING 8 METERS SHALL BE PROVIDED WITH JUNCTION BOX TO FACILITATE EASY WIRE / CABLE PULLING.
- ALL FEEDER CABLES SHALL BE XLPE / SWA / LSOH FOR NORMAL CIRCUIT AND XLPE / SWA / FR FOR EMERGENCY CIRCUITS.

### LUMINAIRES

- ALL LIGHTING SWITCHES SHALL COMPLY WITH CIBSE STANDARD, KENYA GREEN BUILDING REGULATION AND SHALL BE OF THE APPROVED TYPE.
- 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.
- ELECTRICAL CONTRACTOR SHALL REFER TO LIGHTING CONSULTANT - FOR FURTHER NOTES AND LEGENDS.
- ALL EXIT LIGHTINGS SHALL BE POSITIONED NOT MORE THAN 2.4m ABOVE FFL TO CENTRE OF FITTING.

### POWER OUTLETS

- SWITCH SOCKET OUTLETS AND SWITCHES MOUNTED SURFACE AT PLANTROOMS, STORES AND SIMILAR AREAS SHALL BE OF WEATHER PROOF TYPE UNLESS OTHERWISE STATED.
- ALL ELECTRICAL EQUIPMENT & ACCESSORIES THAT ARE EXPOSED OR LESS THAN 2.0M AWAY FROM WET AREA SHALL BE OF WATERPROOF TYPE.
- COLOUR FOR ALL SWITCHES, SWITCH SOCKET OUTLETS SHALL BE AS PER SUPERVISING CONSULTANT'S / ARCHITECT'S / INTERIOR DESIGNER'S SELECTION.
- 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	=	300mm TO CENTRELINE
DISTRIBUTION BOARDS	=	GENERALLY 1800mm TO TOP OF BOARD
WALL/COLUMN LIGHTS	=	2500mm TO CENTRELINE
- THE ELECTRICAL CONTRACTOR SHALL NOTE THAT THE POSITIONS OF ELECTRICAL POINTS, LUMINAIRES, LIGHTING SWITCHES, SWITCH SOCKET OUTLETS ETC. ARE INDICATIVE AND APPROXIMATE AS SHOWN ON DRAWINGS. THE ACTUAL POSITIONS SHALL BE BASED ON THE CONSULTANT'S OR INTERIOR DESIGNER'S DRAWING. THE ELECTRICAL SUB-CONTRACTOR IS DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY SITE ADJUSTMENT TO SUIT THE FINAL POSITIONS.
- 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.
- ELECTRICAL DISTRIBUTION BOARD SHALL NOT BE MOUNTED MORE THAN 1800mm ABOVE FFL. (MEASURED FROM FFL TO TOP OF DISTRIBUTION BOARD).
- ALL ISOLATOR SHALL BE IP-65, IN METAL CABINET AND PAD-LOCKABLE.
- FINAL LOCATION AND MOUNTING HEIGHT OF WIRING DEVICES SHALL BE COORDINATED WITH ARCHITECT AND ID CONSULTANT.
- MOTORIZED DAMPER AND MOTORIZED VALVE WHERE REQUIRED BY MECHANICAL SHALL BE PROVIDED WITH RESPECTIVE FUSE CONNECTION UNIT TO BE CONNECTED TO RELATED EQUIPMENT LMOF OR AS OTHERWISE SHOWN ON PLAN.

THIS DRAWING IS ARPRIM CONSULTANTS' COPYRIGHT



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

### NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS, SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS, THIS SHOULD BE REPORTED TO THE ATTENTION OF THE ARCHITECT/ARCHITECT'S SERVICES CONSULTANT IMMEDIATELY. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE FROM THIS DRAWING.
- DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR 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 AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.
- THE PRELIM 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:

ELECTRICAL DRAWINGS  
NOTES

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

Scale: NTS

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

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

05 24.11.2023



# SCHEDULE OF SYMBOLS AND LIGHTING LUMINAIRES



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

## NOTES

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

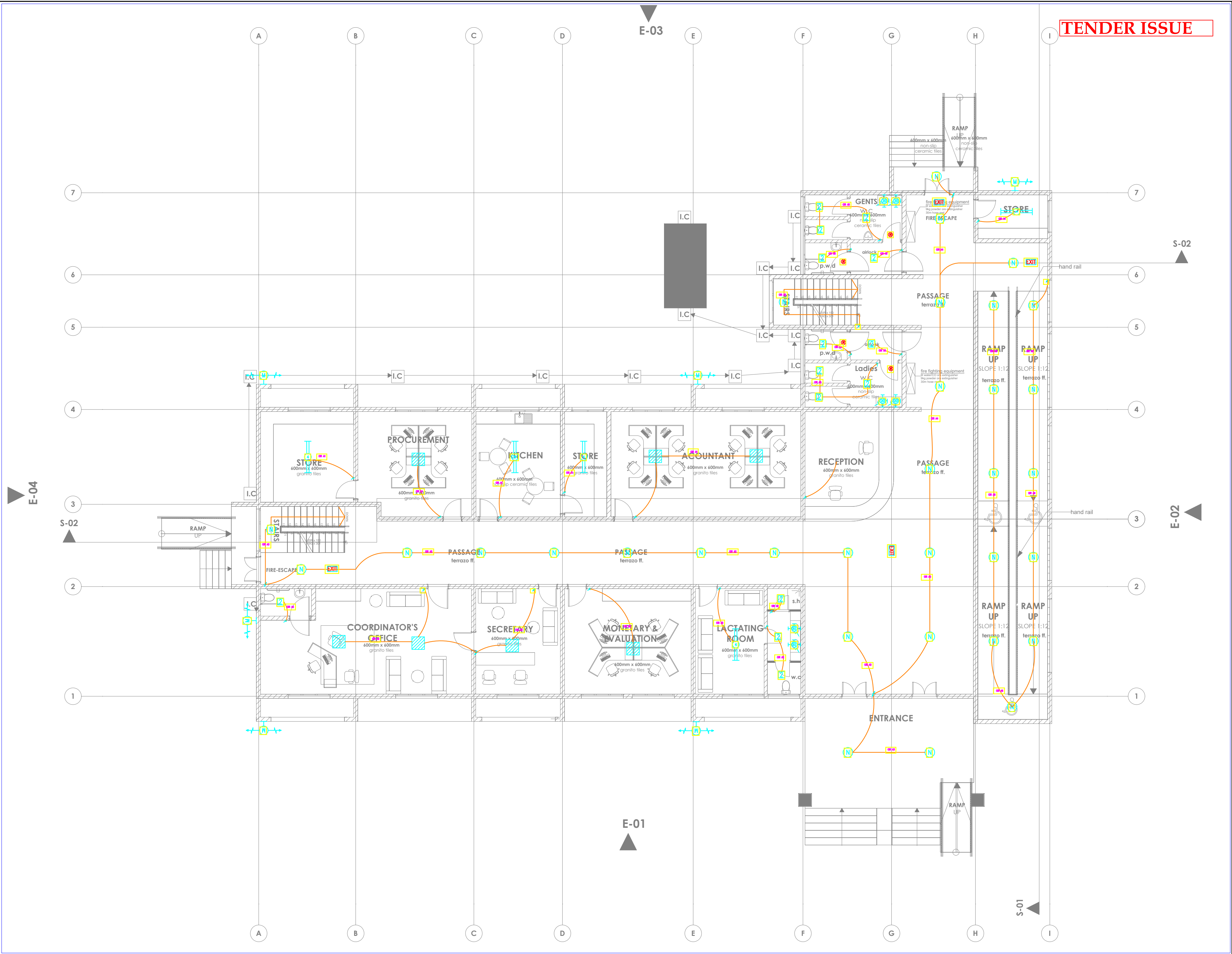
## DRAWING TITLE:

**SCHEDULE OF SYMBOLS  
AND LIGHTING  
LUMINAIRES**

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

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

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



TENDER ISSUE

THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
GROUND FLOOR LIGHTING  
LAYOUT

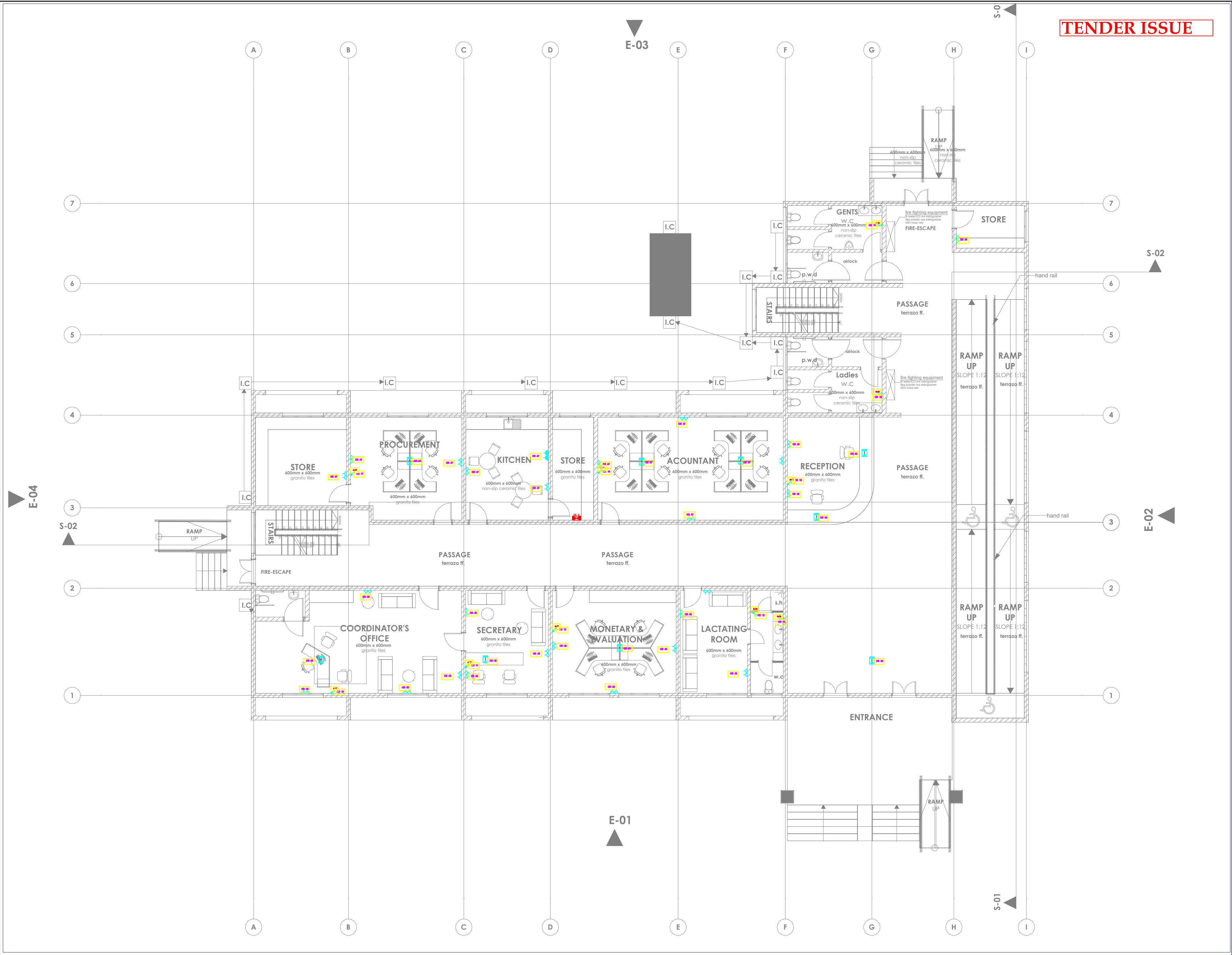
Dwg. No. 03- 003E- 004

Scale: NTS

Drawn by  Chek'd By

Project no.: 03 Date: 10.01.2024





THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GROUND FLOOR POWER  
LAYOUT

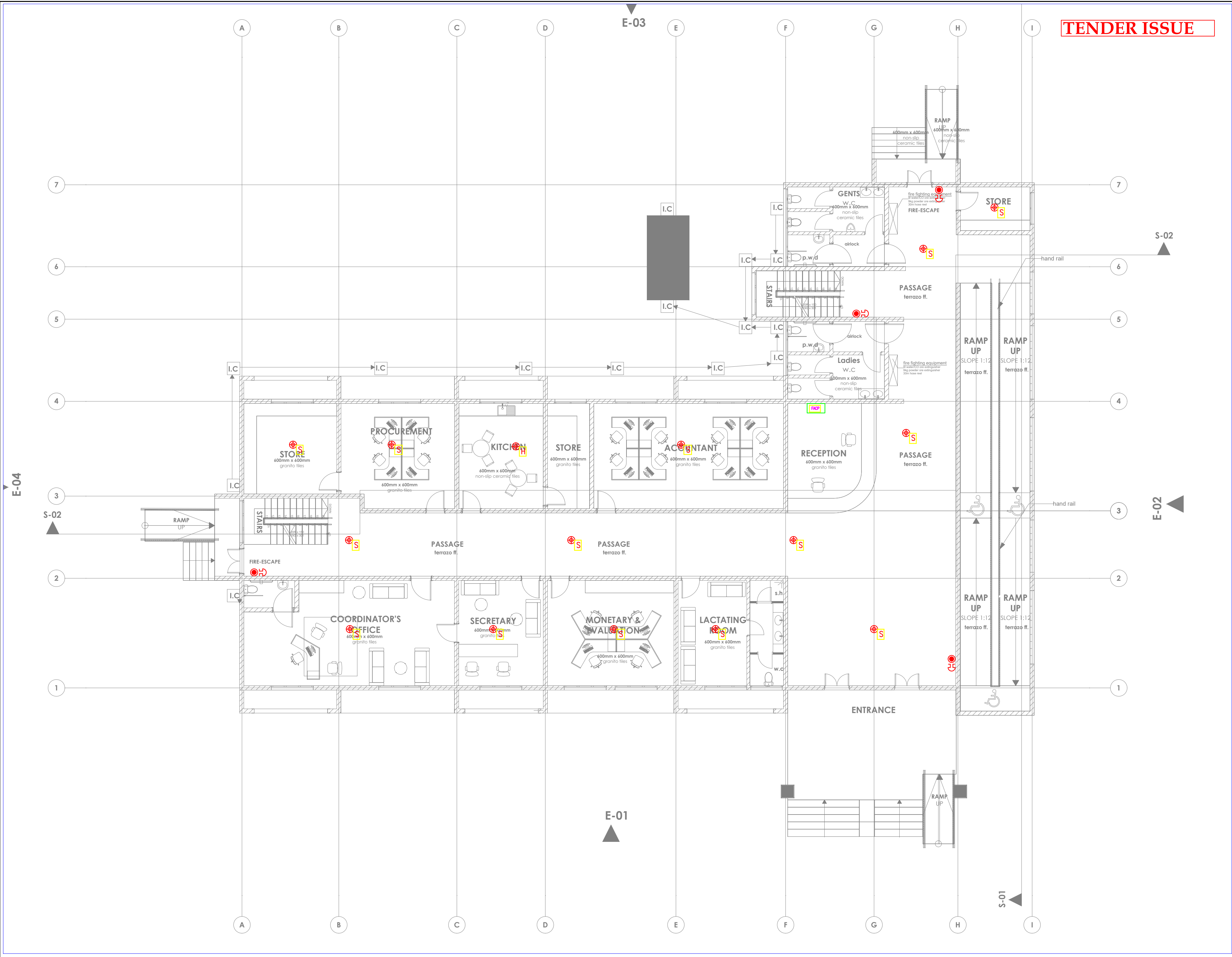
Dwg. No. **03- 003E- 005**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

03 10.01.2024



THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GROUND FLOOR FIRE  
ALARM LAYOUT

Dwg. No. 03- 003E- 006

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
03	10.01.2024



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

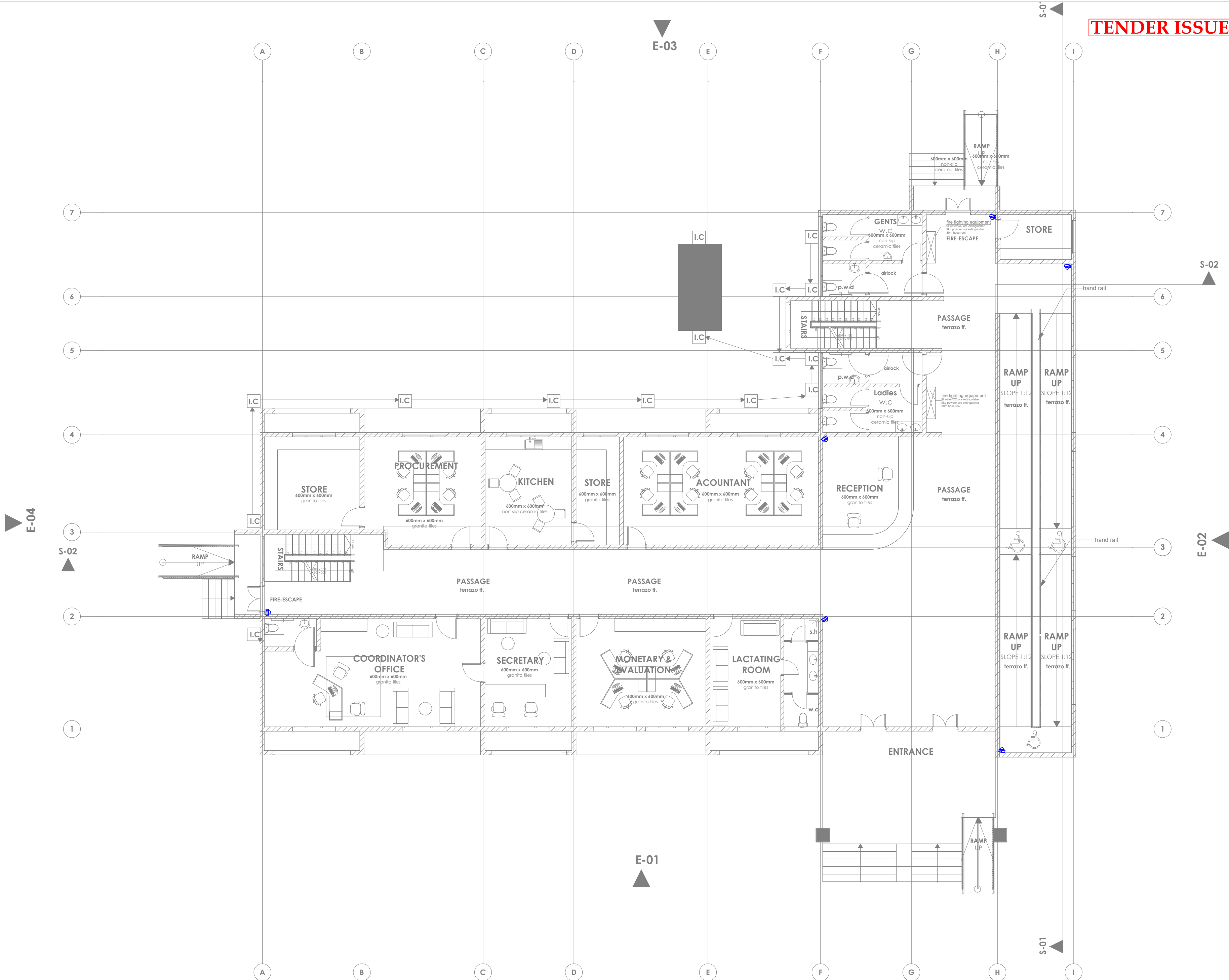
GROUND FLOOR CCTV  
LAYOUT

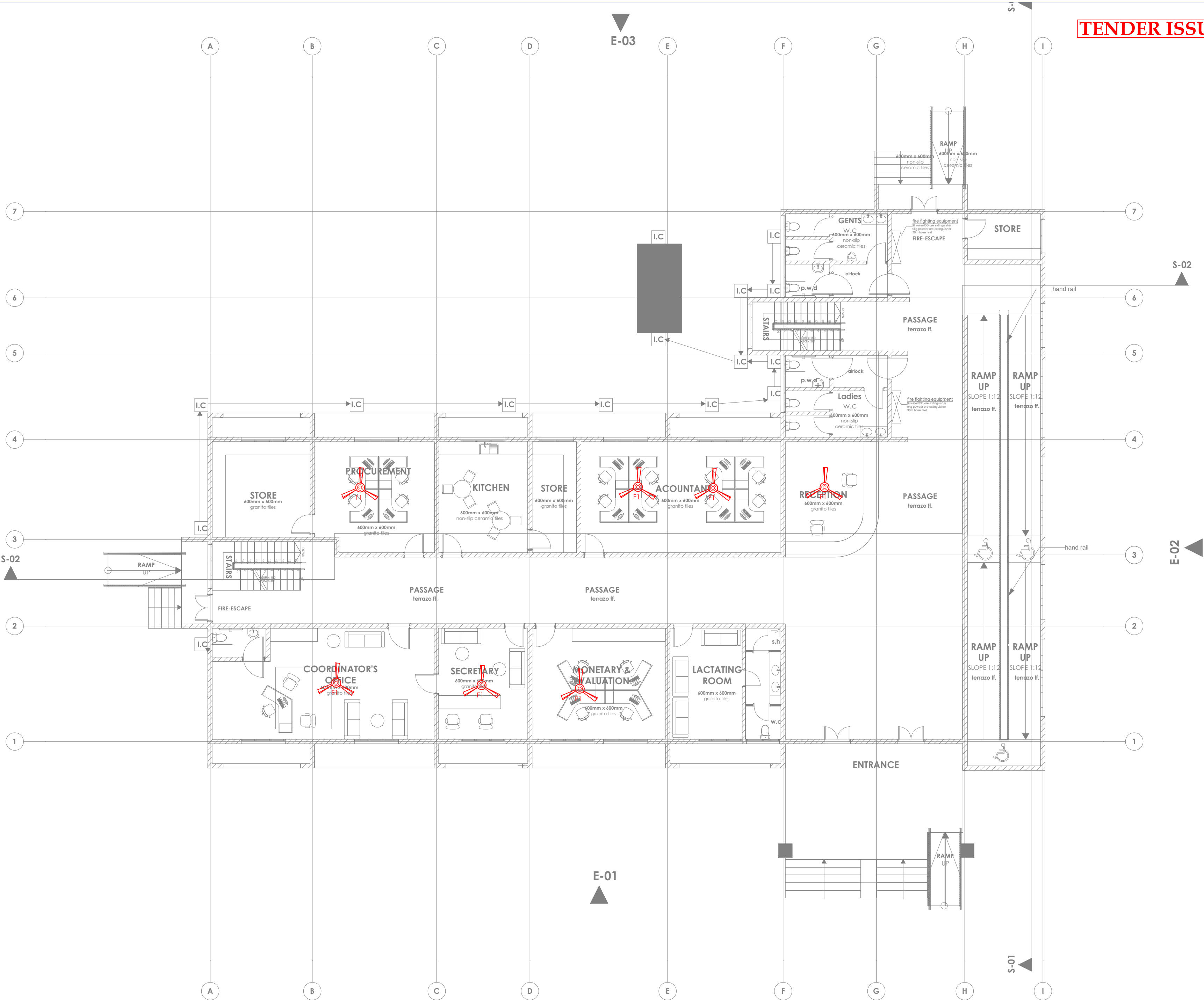
Dwg. No. 03- 003E- 007

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date: 10.01.2024





TENDER ISSUE

THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GROUND FLOOR FANS  
LAYOUT

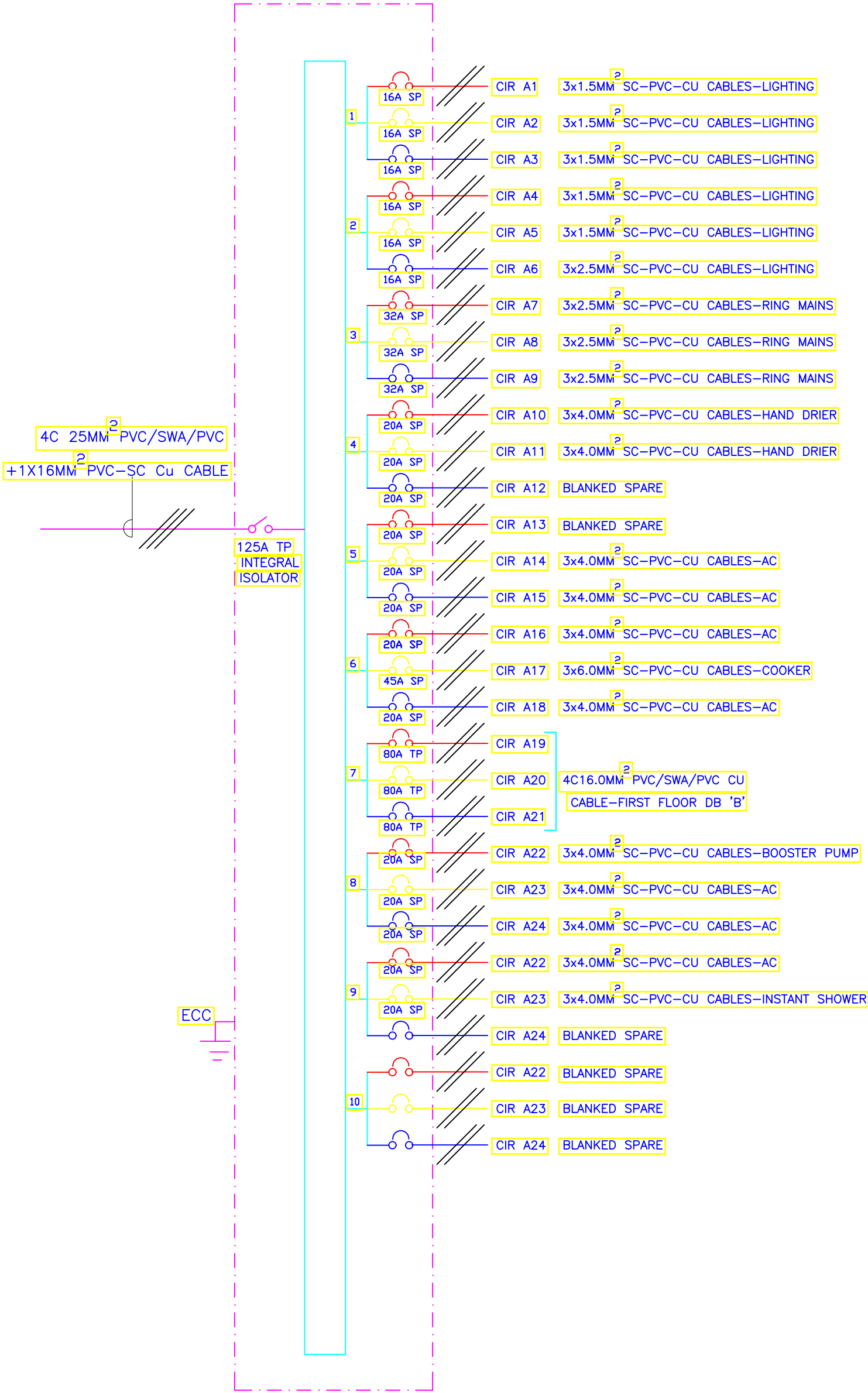
Dwg. No. 03- 003E- 008

Scale: NTS

Drawn by  Chek'd By

Project no.: 03 Date: 10.01.2024





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



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

GROUND FLOOR  
SCHEMATIC

Dwg. No. 03- 003E- 009

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

03 10.01.2024

TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FIRST FLOOR LIGHTING  
LAYOUT

Dwg. No. **03- 003E- 010**

Scale: NTS

Drawn by  Chek'd By

Project no.:  Date:

03 10.01.2024

E-04



E-01

E-03

S-01

S-02

E-02



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
FIRST FLOOR POWER  
LAYOUT

Dwg. No. **03- 003E- 011**

Scale: NTS

Drawn by  Chek'd By

Project no.:	Date:
03	10.01.2024



TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
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. 03- 003E- 012

Scale: NTS

Drawn by  Chek'd By

Project no.: 03  
Date: 10.01.2024







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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

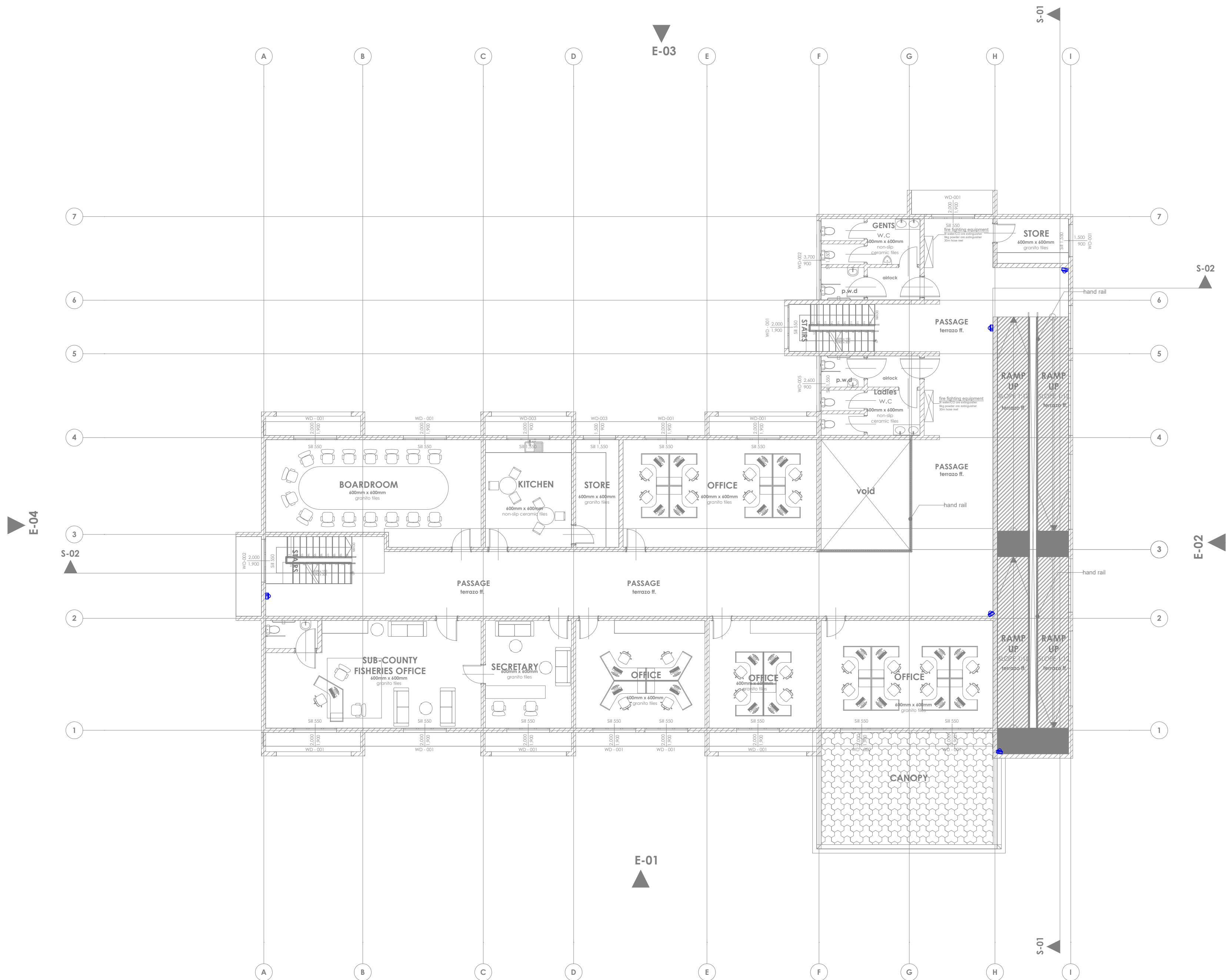
FIRST FLOOR CCTV LAYOUT

Dwg. No. 03- 003E- 013

Scale: NTS

Drawn by  Chek'd By

Project no.: 03 Date: 10.01.2024





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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FIRST FLOOR FANS LAYOUT

Dwg. No. 03- 003E- 014

Scale: NTS

Drawn by  Chek'd By

Project no.: 03 Date: 10.01.2024







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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

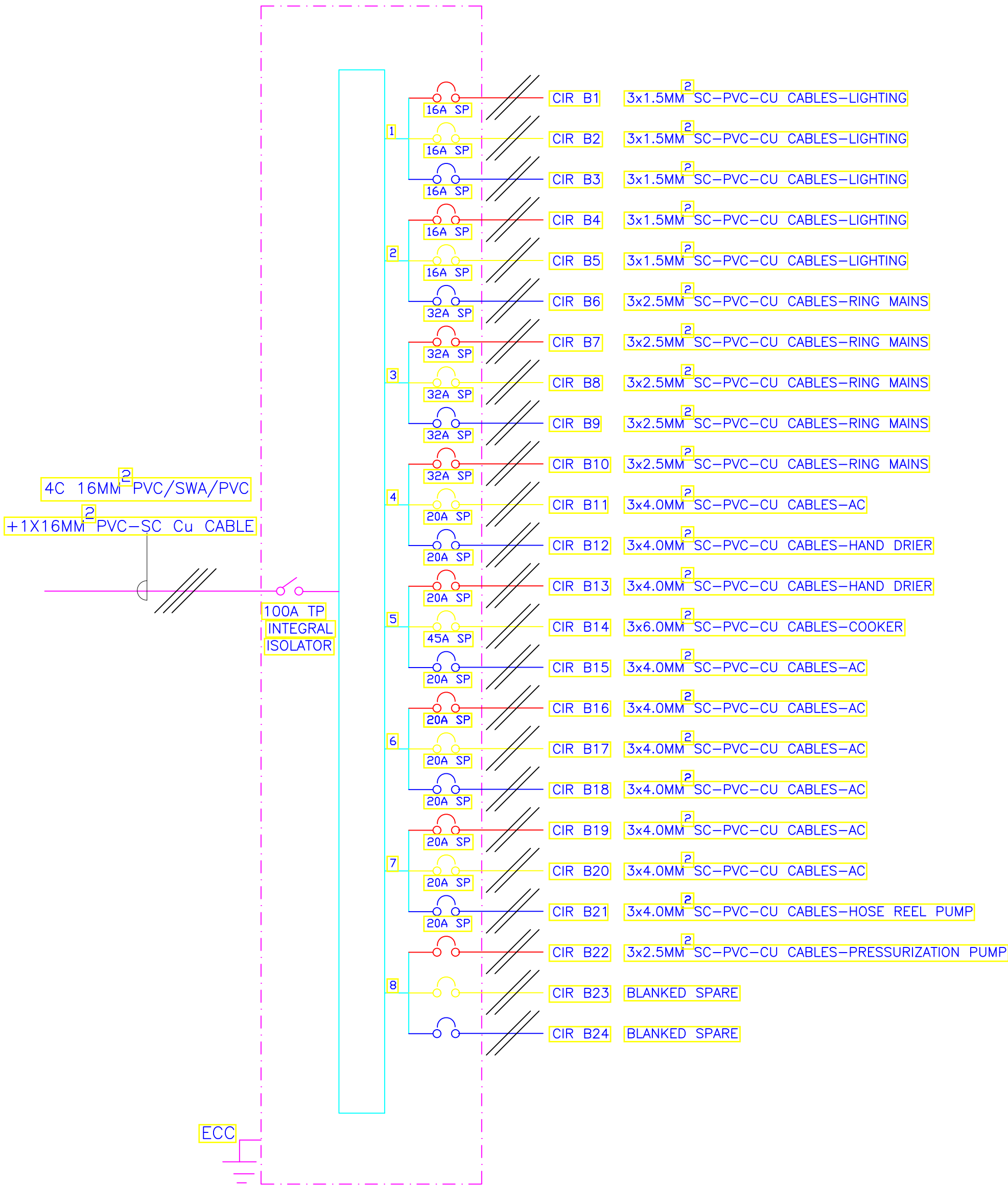
CLIENT'S SIGNATURE:

Sign:	
-------	--

DRAWING TITLE:

FIRST FLOOR SCHEMATIC

Dwg. No.	03- 003E- 015	
Scale:	NTS	
Drawn by	Chek'd By	
Project no.:		Date:
03		10.01.2024



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

TENDER ISSUE

THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:  
ROOF PLAN LIGHTING  
LAYOUT

Dwg. No. **03- 003E- 016**

Scale: NTS

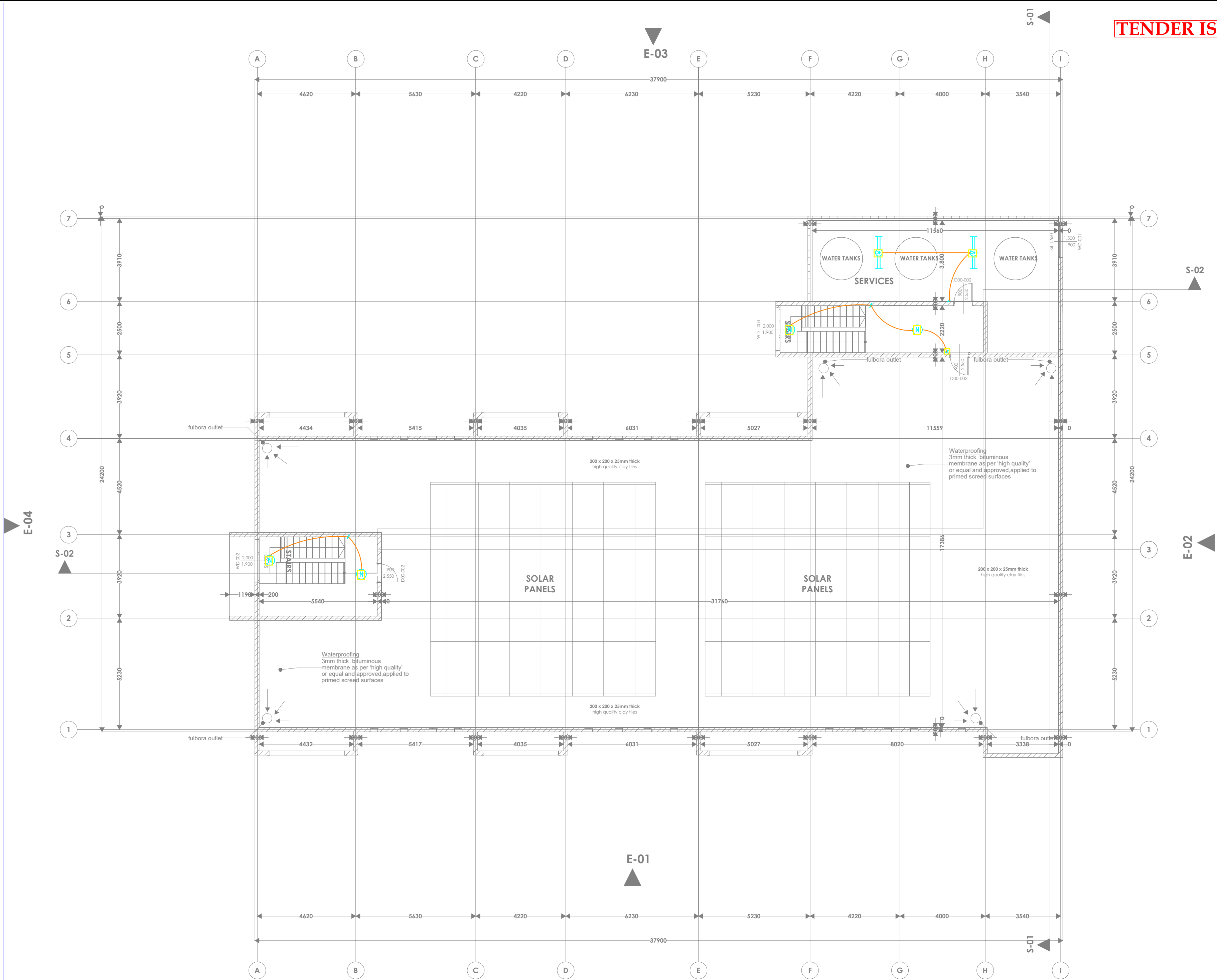
Drawn by  Chek'd By

Project no.:

03

Date:

10.01.2024







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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE & RELATED  
INFRASTRUCTURE

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

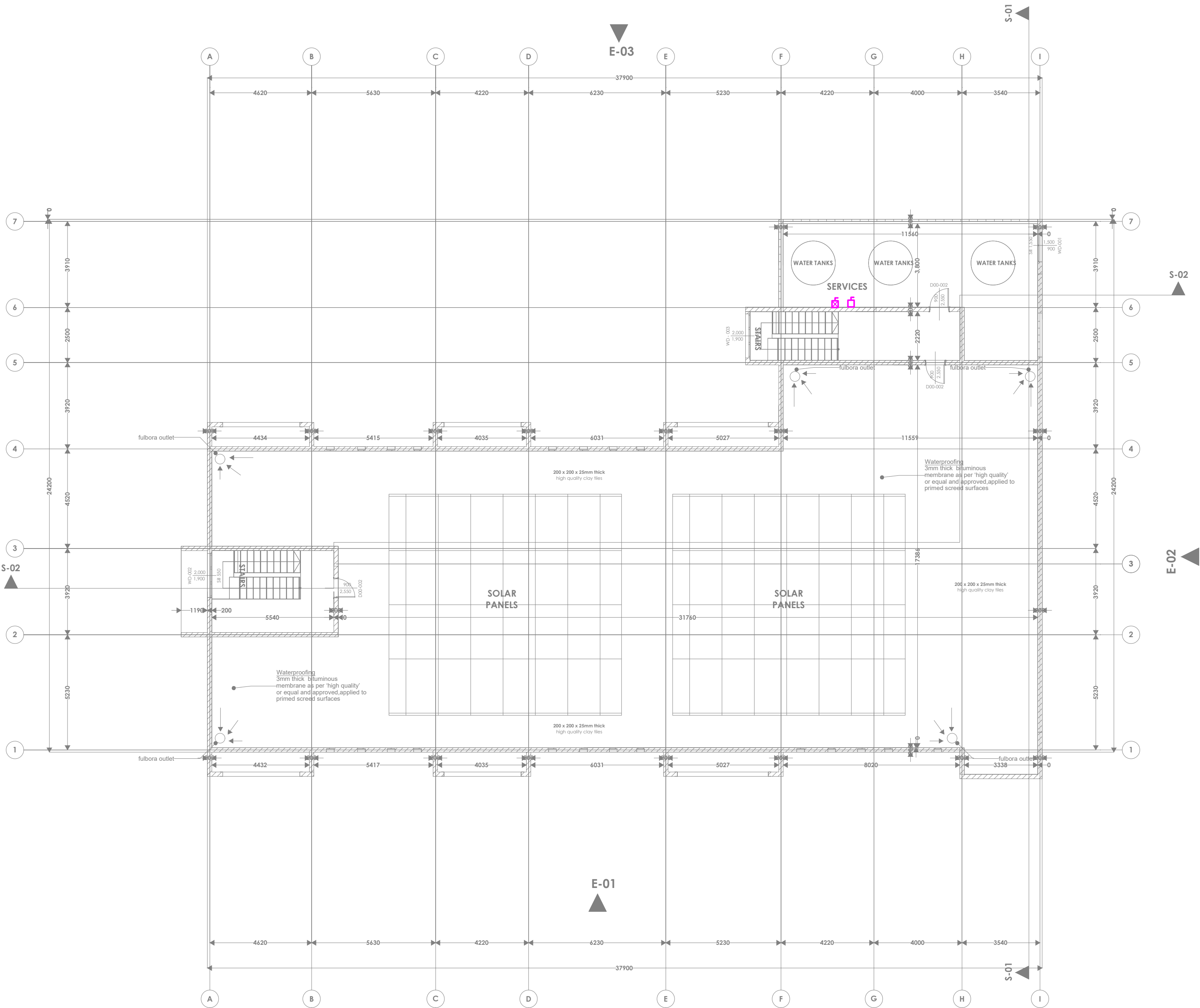
CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

ROOF PLAN POWER LAYOUT

Dwg. No.	03- 003E- 011
Scale:	NTS
Drawn by	Chek'd By
Project no.:	Date:
03	10.01.2024



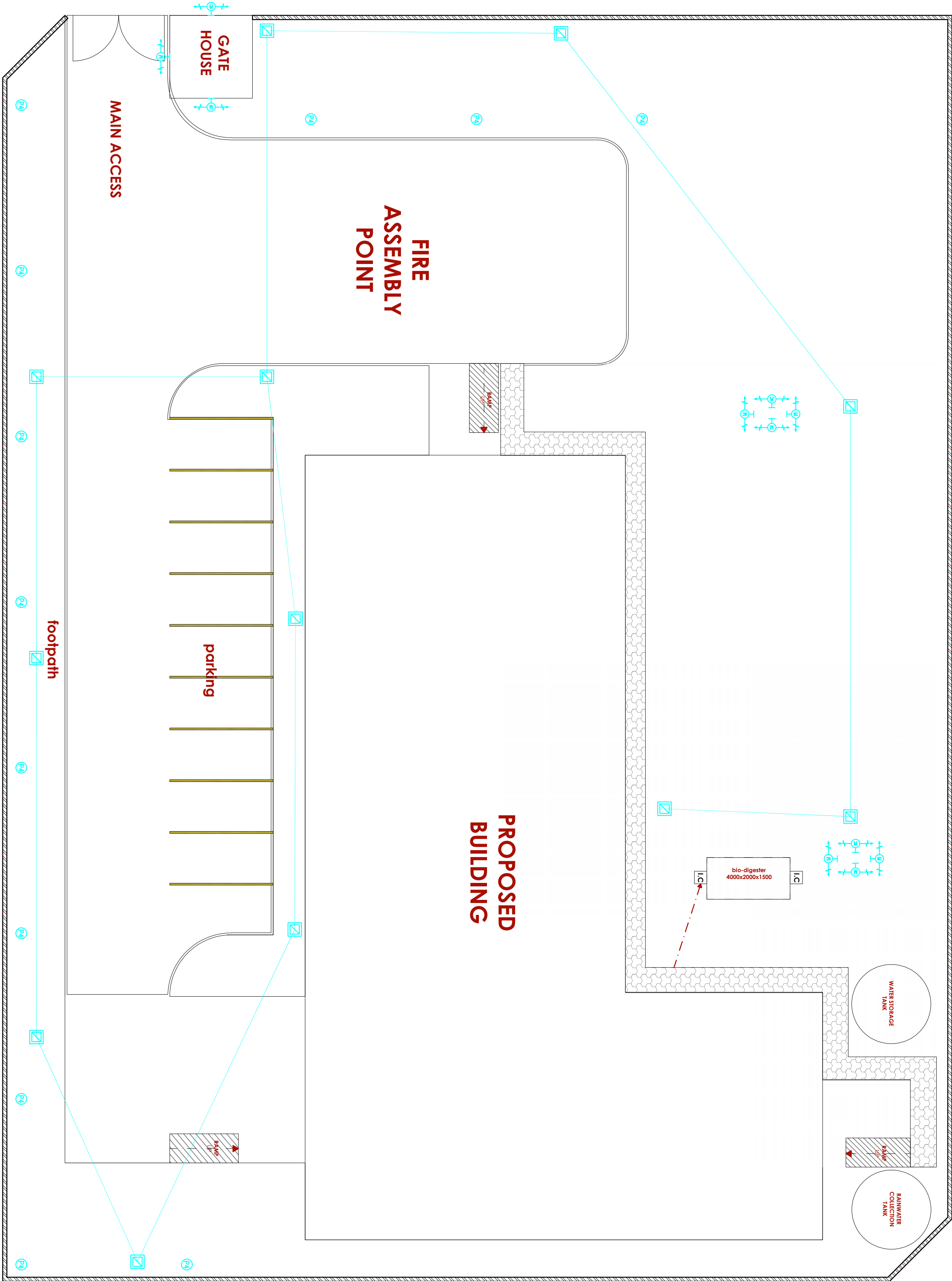
LEGEND



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

SITE PLAN  
STREET LIGHTING LAYOUT

TENDER ISSUE



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

NOTES

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

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

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

DRAWING TITLE:  
SITE PLAN  
STREET LIGHT LAYOUT

Dwg. No. **03-003E-018**

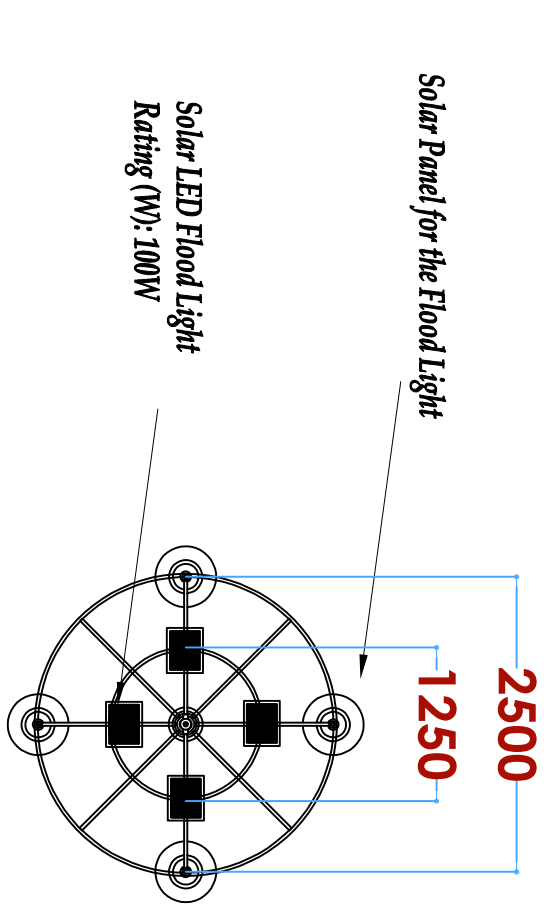
Scale: NTS

Drawn by \_\_\_\_\_ Check'd By \_\_\_\_\_

Project no.: \_\_\_\_\_ Date: 15.01.2024

03





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



NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
- THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
- DIMENSIONS GIVEN ON ALL DRAWINGS AND DETAILS SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE WORK BUILDING SERVICES CONSULTANT IMMEDIATELY.
- ALL DIMENSIONS SHOULD 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 MARKED.
- 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- MINJILIA

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

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

DRAWING TITLE:

STREET LIGHT DETAIL

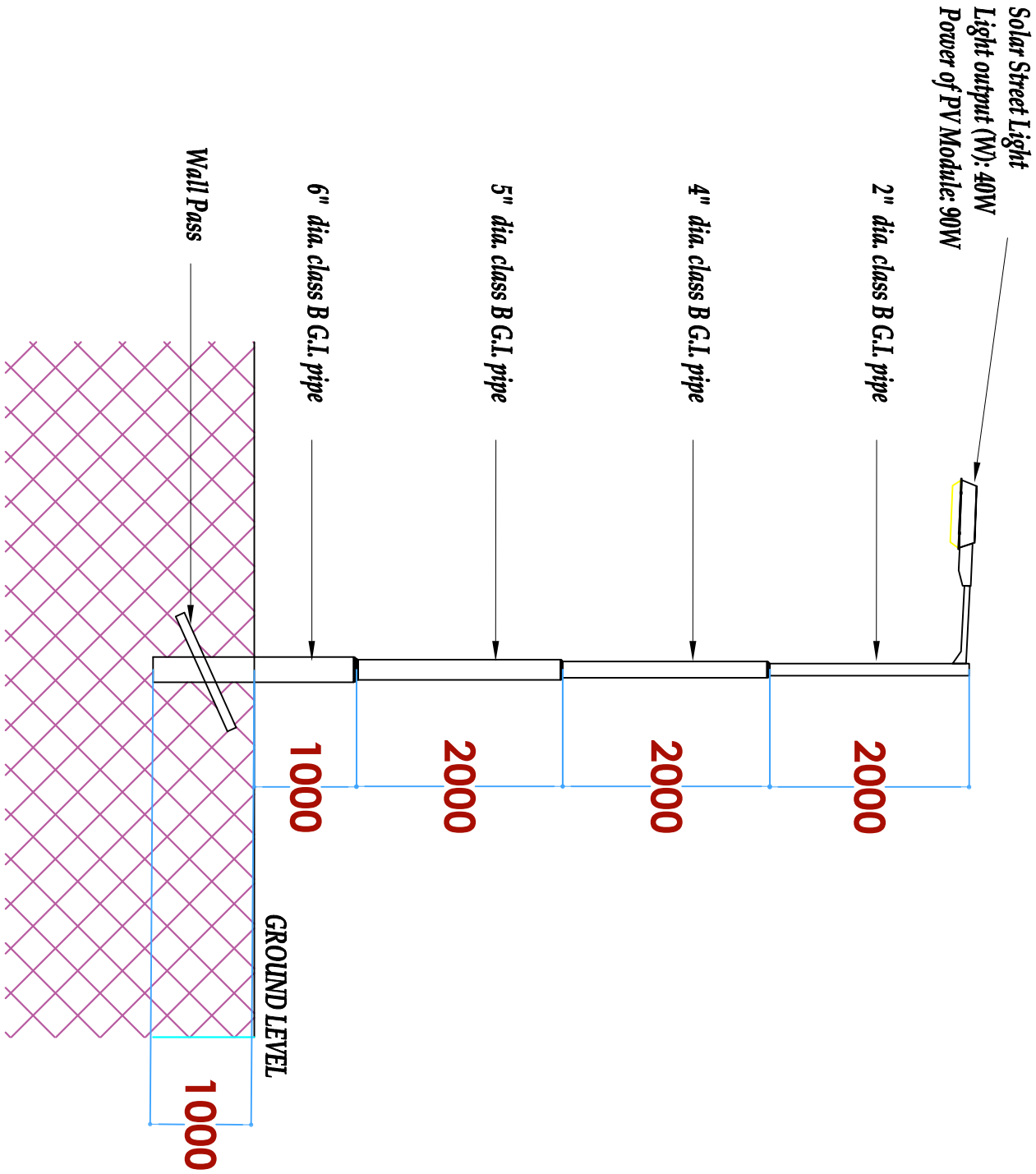
Dwg. No. **03-003E-019**

Scale: NTS

Drawn by \_\_\_\_\_ Check'd By \_\_\_\_\_

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

03 15.01.2024



P4

STREET LIGHT DETAIL



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

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.
2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.
3. DIMENSIONS 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 ARCHITECTING SERVICES CONSULTANT IMMEDIATELY.
4. 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 PREPROCESSED.
7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.
8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.
9. 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- MINJILA

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

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

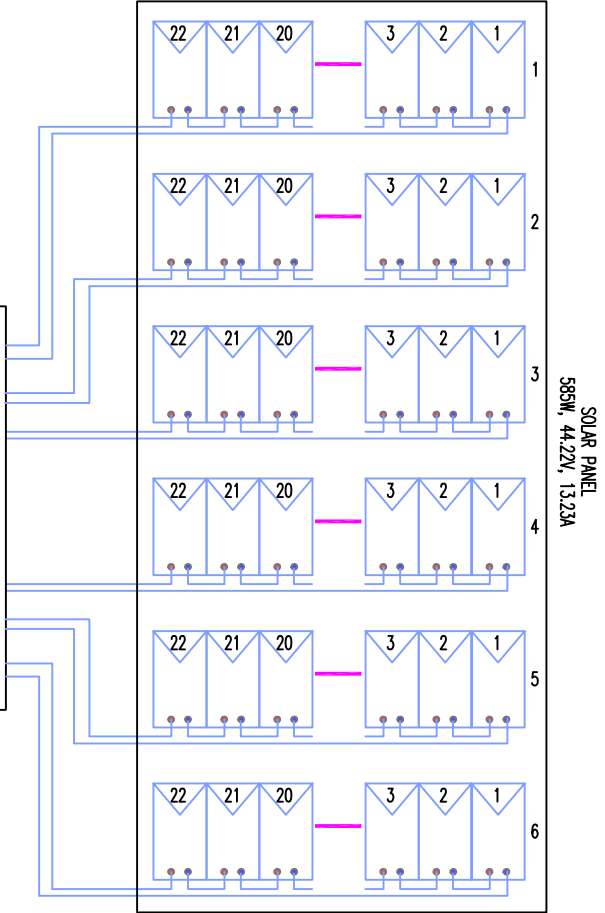
Dwg. No. **10-003E-020**

Scale: NTS

Drawn by      Check'd By

Project no.:      Date:

06      24.11.2023



10kWh Battery Pack

SOLAR PV POWER TO GRID SYNCHRONIZATION PANEL

MAIN POWER BOARD

POWER SYSTEM  
SOLAR SCHEMATIC



**DRAWING TITLE: PROPOSED CONSTRUCTION OF OFFICE & RELATED INFRASTRUCTURE- MINJILA****DRAWING NUMBER: 03-003M- 001**

No.	DRAWING/ DOCUMENT TITLE	DRAWING NUMBER	DRAWING SHEET	DRAWING FORMAT	DOCUMENT STATUS
D	MECHANICAL INSTALLATIONS DRAWINGS				
1	LIST OF DRAWINGS	03- 003M- 001	A3	PDF/ EXCEL	Provided
2	GROUND FLOOR DRAINAGE	03- 003M- 002	A3	PDF/ DWG	Provided
3	GROUND FLOOR PLUMBING	03- 003M- 003	A3	PDF/ DWG	Provided
4	FIRST FLOOR DRAINAGE	03- 003M- 004	A2	PDF/ DWG	Provided
5	FIRST FLOOR PLUMBING	03- 003M- 005	A2	PDF/ DWG	Provided
6	ROOF FLOOR DRAINAGE	03- 003M- 006	A2	PDF/ DWG	Provided
7	ROOF FLOOR SLAB RAIN WATER DRAINAGE	03- 003M- 007	A2	PDF/ DWG	Provided
8	ROOF FLOOR PLUMBING	03- 003M- 008	A2	PDF/ DWG	Provided
9	SITE PLAN WATER RETICULATION	03- 003M- 009	A2	PDF/ DWG	Provided
10	SITE PLAN FIREFIGHTING	03- 003M- 010	A2	PDF/ DWG	Provided
11	SITE PLAN DRAINAGE	03- 003M- 011	A2	PDF/ DWG	Provided



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

#### NOTES

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

#### REVISIONS:

REV. No.	Details of Revision

#### PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

#### CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

#### CLIENT'S SIGNATURE:

Sign:

#### DRAWING TITLE:

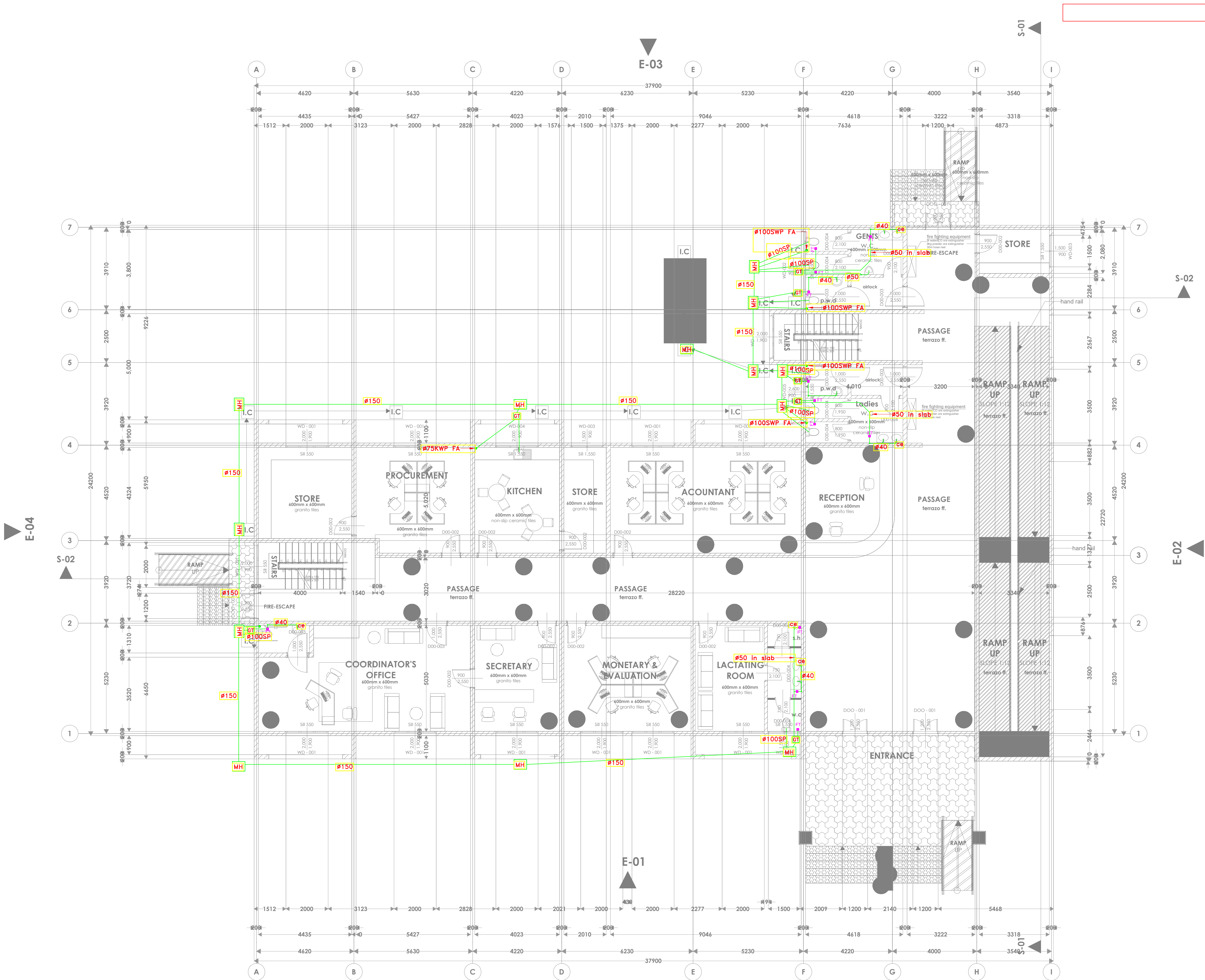
**GROUND FLOOR DRAINAGE**

Dwg. No. **03-003M-002**

Scale: NTS

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

Project no.: P.2103 Date: 05.05.2024







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

#### NOTES

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

#### REVISIONS:

REV. No.	Details of Revision

#### PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

#### CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

#### CLIENT'S SIGNATURE:

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

#### DRAWING TITLE:

**GROUND FLOOR WATER  
SUPPLY**

Dwg. No. **03-003M-003**

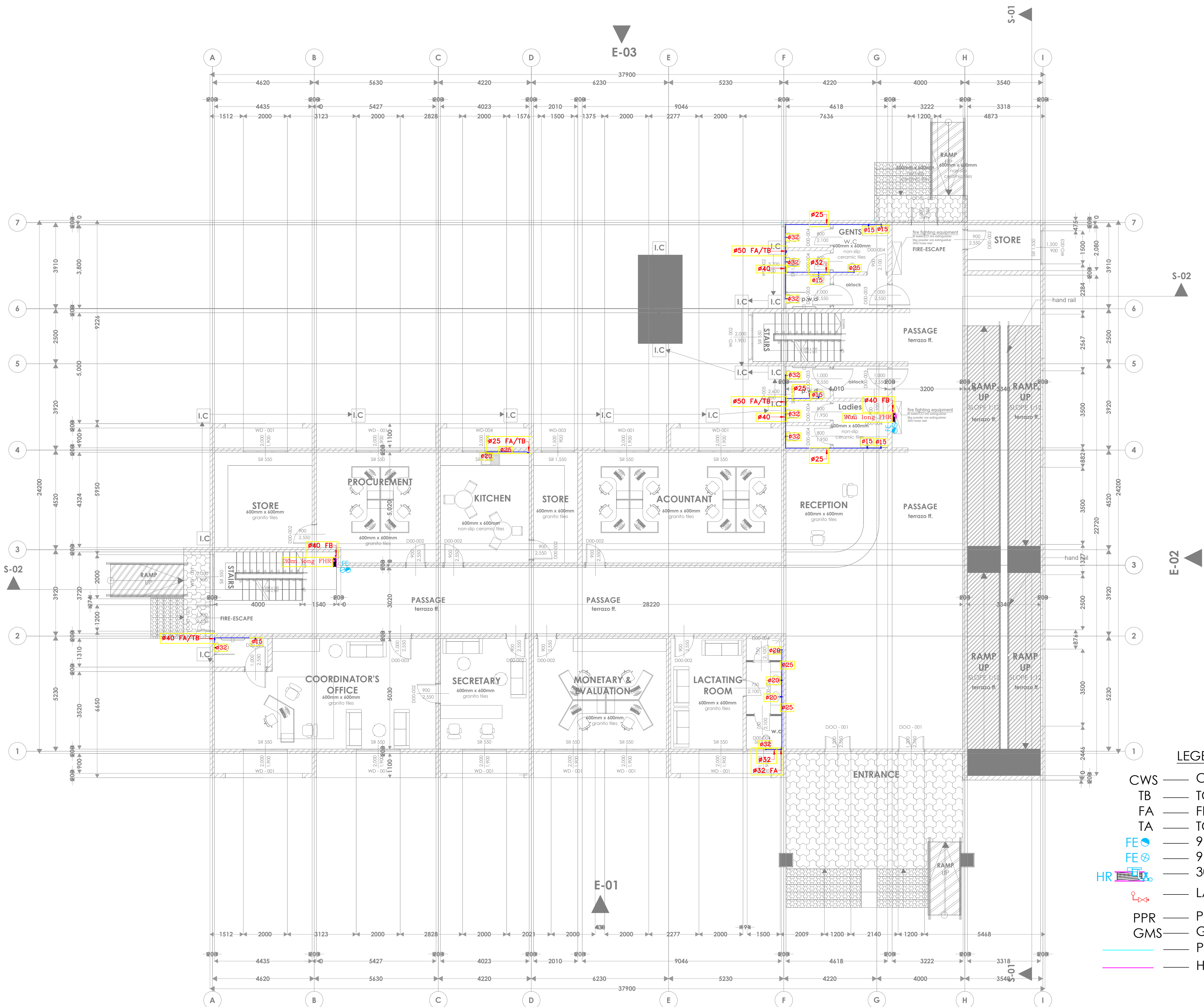
Scale: NTS

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

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

P.2103

05.05.2024



#### LEGEND

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





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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

FIRST FLOOR DRAINAGE

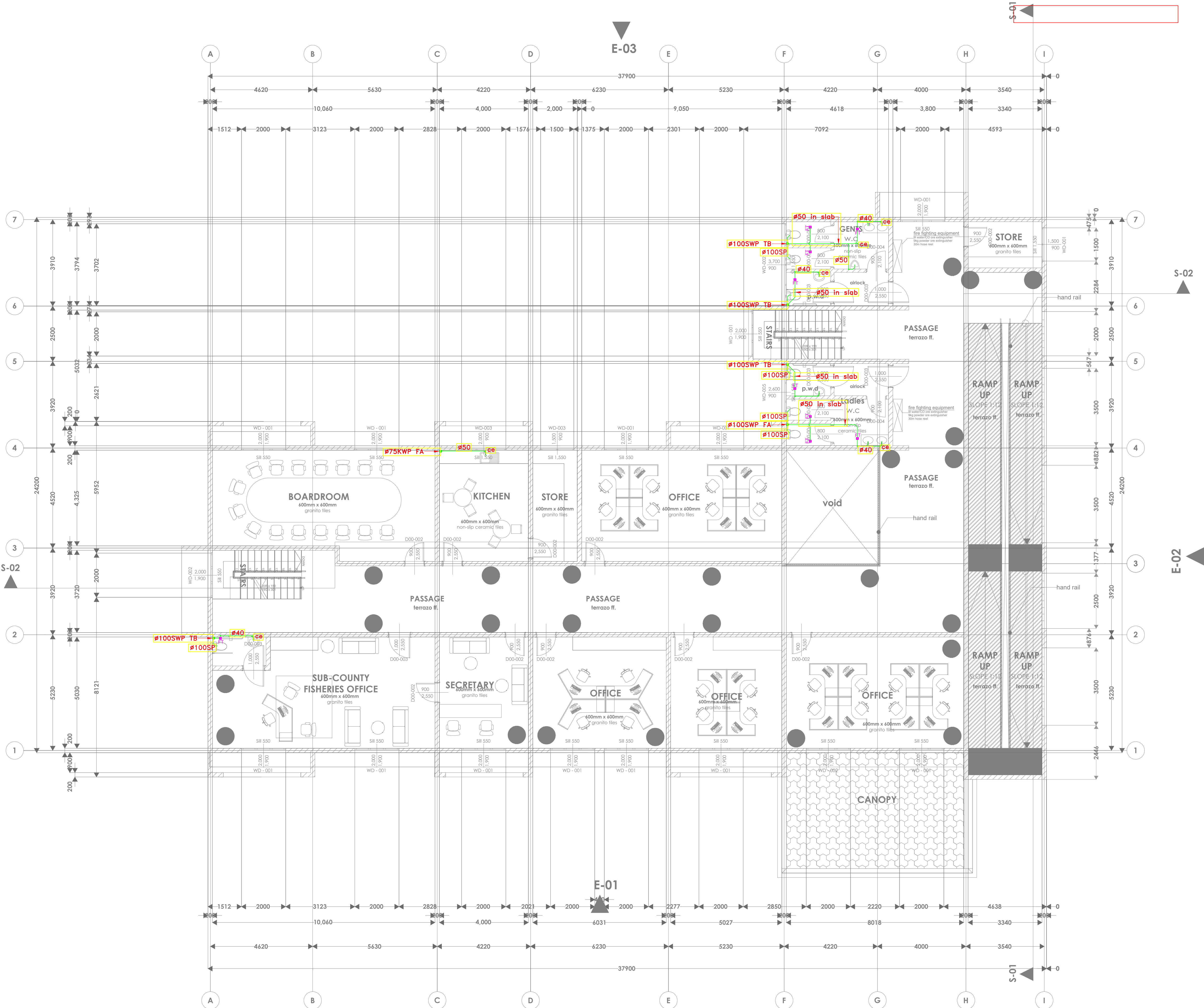
Dwg. No. **03-003M-004**

Scale: NTS

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

Project no.: Date:

P.2103 05.05.2024







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

#### NOTES

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

#### REVISIONS:

REV. No.	Details of Revision

#### PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

#### CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

#### CLIENT'S SIGNATURE:

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

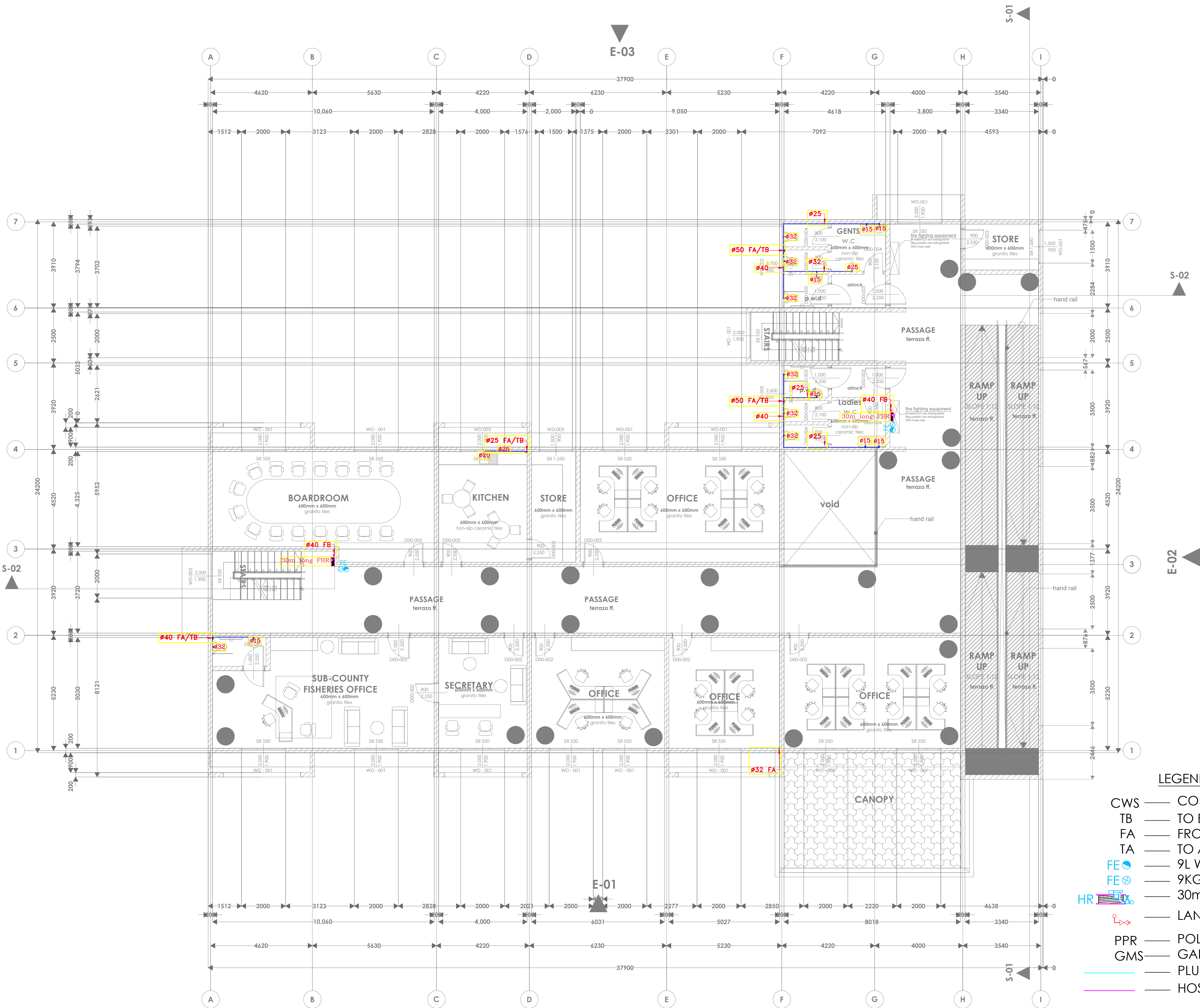
#### DRAWING TITLE: FIRST FLOOR WATER SUPPLY

Dwg. No. **03-003M-005**

Scale: NTS

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

Project no.: \_\_\_\_\_ Date: **05.05.2024**



#### LEGEND

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





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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MIN)JILA) TAITA  
TAVETA COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

ROOF FLOOR DRAINAGE

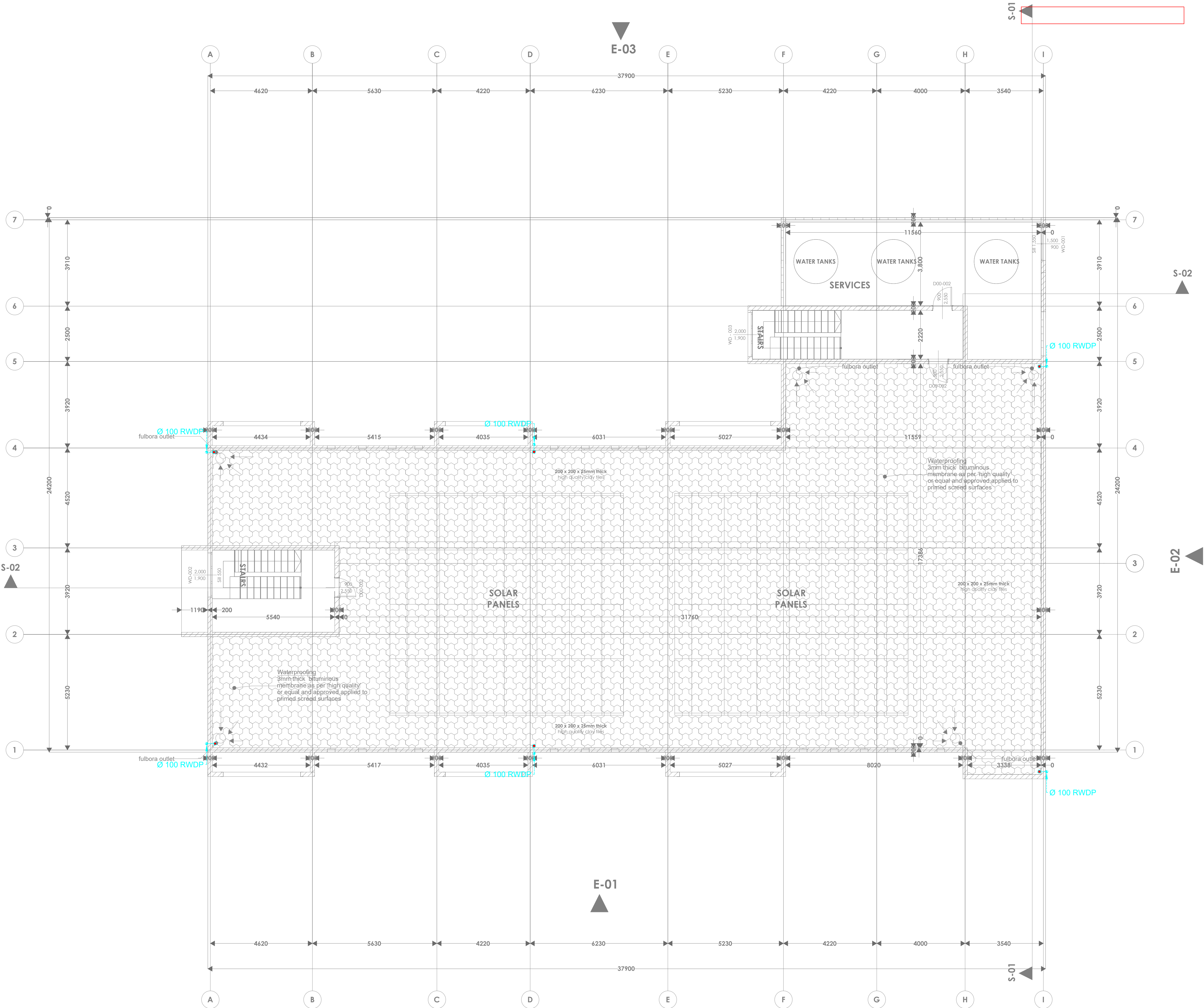
Dwg. No. **03-003M-006**

Scale: NTS

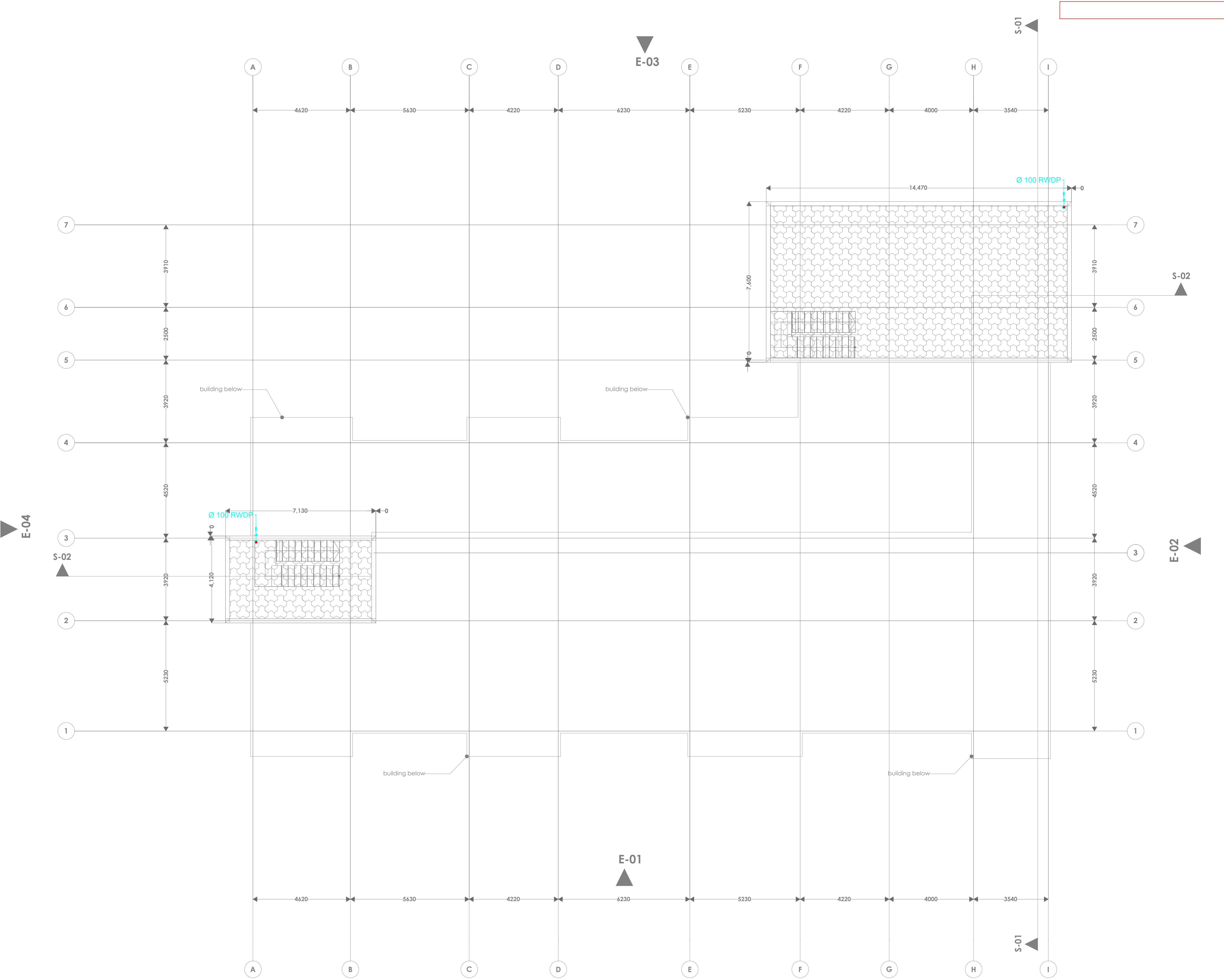
Drawn by **W.M.** Chek'd By **G.O.**

Project no.: Date:

P.2103 05.05.2024







THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

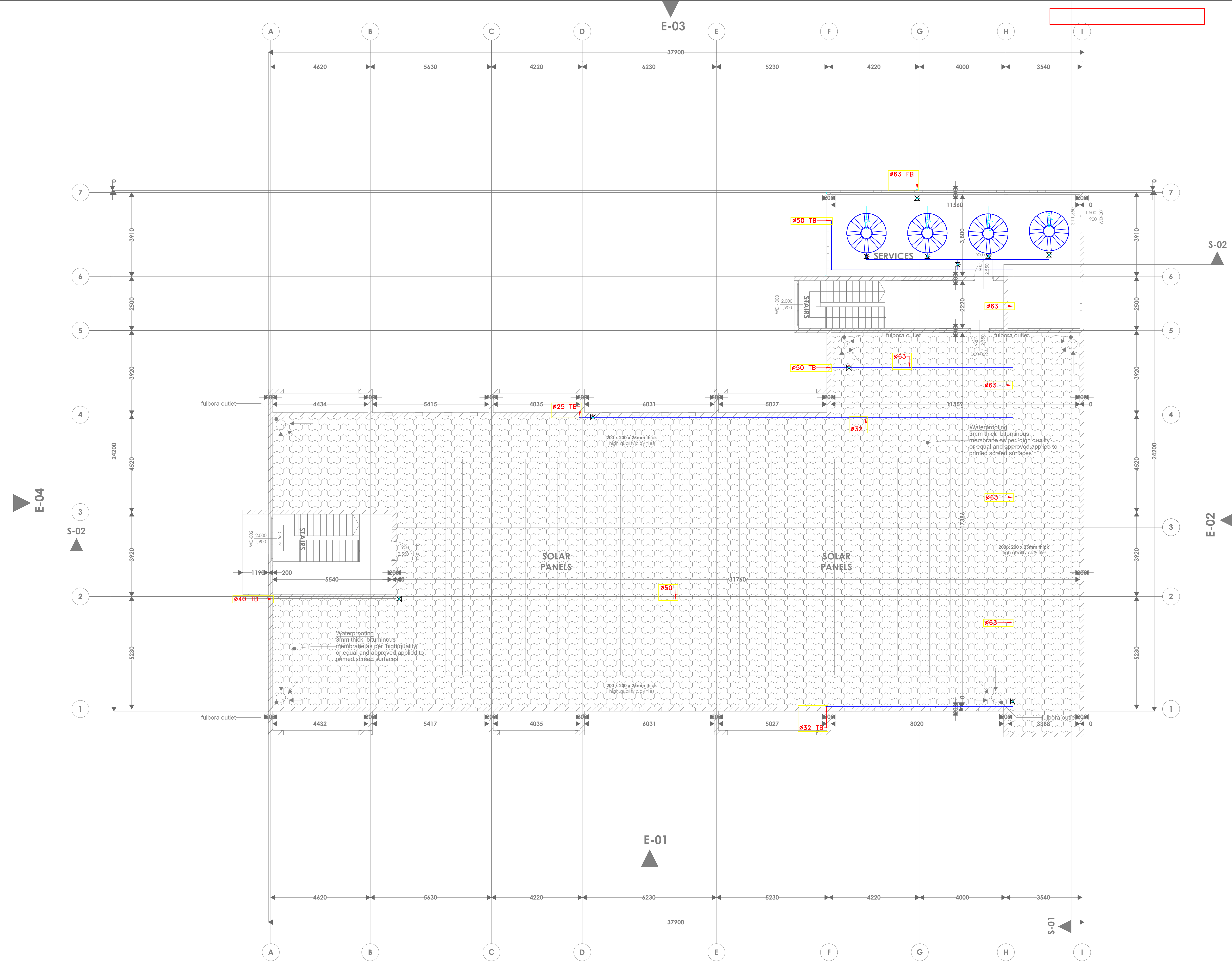
CLIENT'S SIGNATURE:

Sign:	
-------	--

DRAWING TITLE:

ROOF SLAB DRAINAGE

Dwg. No.	03-003M-007		
Scale:	NTS		
Drawn by	W.M.	Chek'd By	G.O.
Project no.:	Date:		
P.2103	05.05.2024		



THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

Sign:  

DRAWING TITLE:

ROOF FLOOR WATER  
SUPPLY

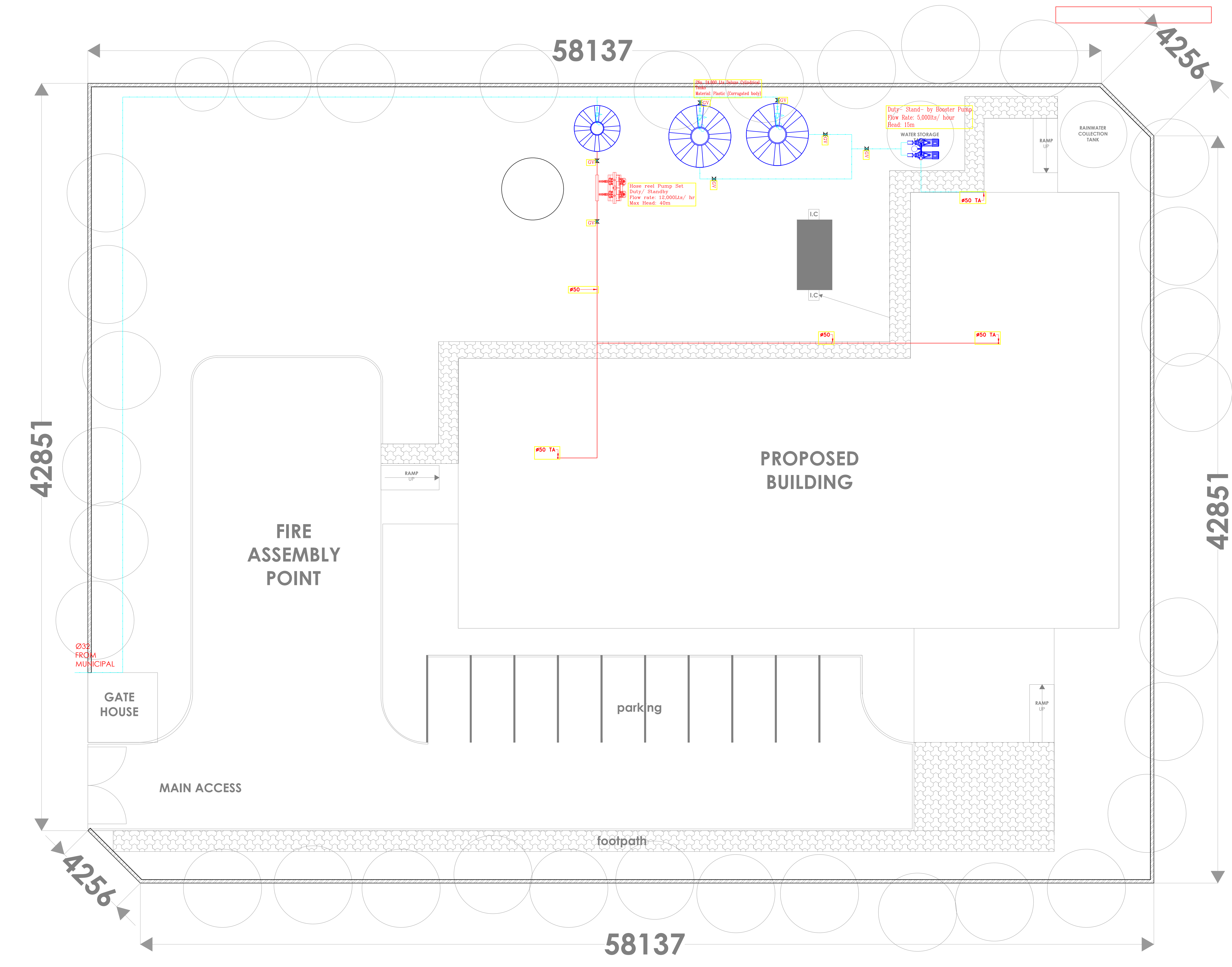
Dwg. No. 03-003M-008

Scale: NTS

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

Project no.:	Date:
P.2103	05.05.2024





THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT

**ARPRIM**

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

**NOTES**

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

**REVISIONS:**

REV. No.	Details of Revision

**PROJECT TITLE:**  
PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

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

**CLIENT'S SIGNATURE:**

Sign:

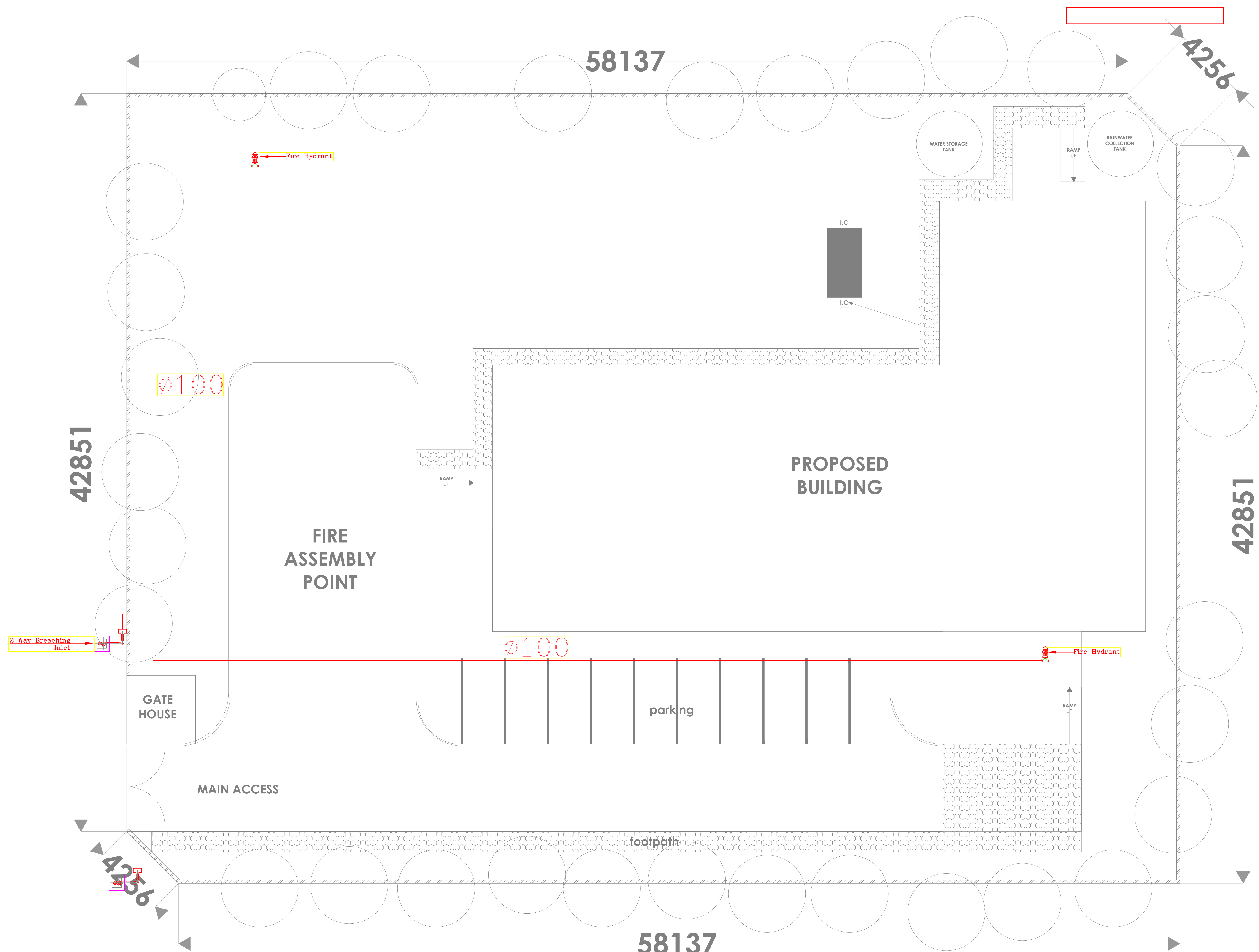
**DRAWING TITLE:**  
**SITE RETICULATION WATER  
SUPPLY**

Dwg. No. **03-003M-009**

Scale: NTS

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

Project no.: P.2103 Date: 05.05.2024



THIS DRAWING IS ARPRIM  
CONSORTIUM'S COPYRIGHT



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

NOTES

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF  
OFFICE AND RELATED  
INFRASTRUCTURE (MINJILA) TAITA  
TAVETA COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES,  
AQUACULTURE & THE BLUE  
ECONOMY

CLIENT'S SIGNATURE:

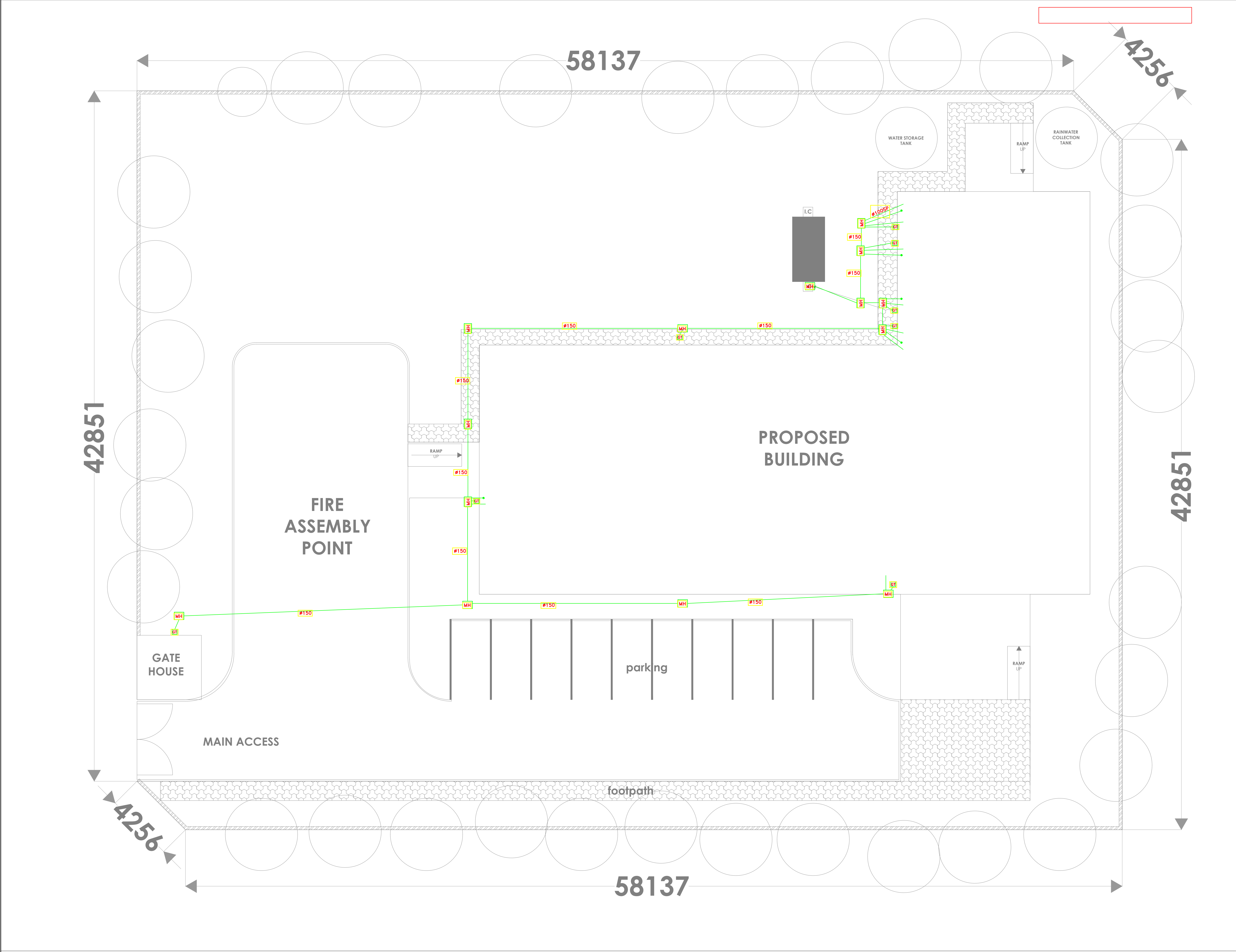
Sign:	
-------	--

DRAWING TITLE:


SITE PLAN FIREFIGHTING

Dwg. No.	03-003M-010		
Scale:	NTS		
Drawn by	E.M.	Chek'd By	G.O.
Project no.:		Date:	
P.2103		05.05.2024	





THIS DRAWING IS ARPRIM CONSORTIUM'S COPYRIGHT



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

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES, DRAWINGS, SCHEDULES AND SPECIFICATIONS, LEGENDS AND STANDARD DETAILS.

2. THIS DRAWING IS COPYRIGHT AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.

3. DIMENSIONS GOVERN ON ALL DRAWINGS AND DETAILS. SHOULD ANY DISCREPANCIES BE FOUND WITH THIS DRAWING AND ANY ASSOCIATED DRAWINGS OR SPECIFICATIONS THIS SHOULD BE BROUGHT TO THE ATTENTION OF THE MAE BUILDING SERVICES CONSULTANT IMMEDIATELY.

4. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.

5. DO NOT SCALE FROM THIS DRAWING.

6. DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND OR PREFABRICATED.

7. THIS DRAWING SHOULD ONLY BE USED FOR THE SPECIFIC SERVICES INTENDED.

8. THIS DRAWING SHOWS THE DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE SERVICES INDICATED ON THIS AND ALL OTHER SERVICES DRAWINGS.

9. FINAL ACCESS AND SETTING OUT OF SERVICES SHALL BE AGREED BETWEEN THE ARCHITECT AND THE CONTRACTOR.

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

REVISIONS:

REV. No.	Details of Revision

PROJECT TITLE:

PROPOSED CONSTRUCTION OF OFFICE AND RELATED INFRASTRUCTURE (MINJILA) TAITA TAVETA COUNTY

CLIENT:

STATE DEPARTMENT FOR FISHERIES, AQUACULTURE & THE BLUE ECONOMY

CLIENT'S SIGNATURE:

Sign:

DRAWING TITLE:

SITE PLAN DRAINAGE

Dwg. No.	03-003M-011		
Scale:	NTS		
Drawn by	W.M.	Chek'd By	G.O.
Project no.:		Date:	
P.2103		05.05.2024	