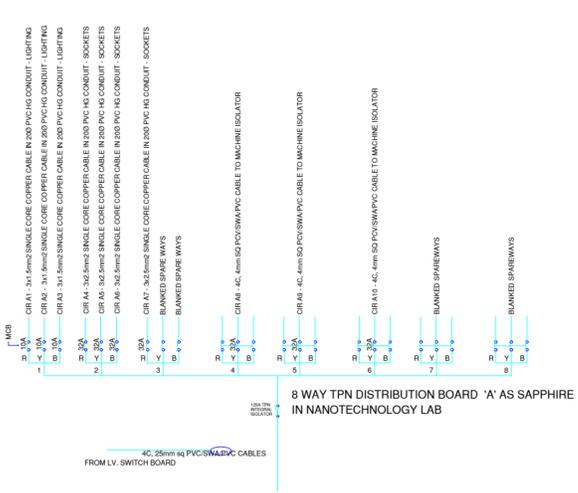
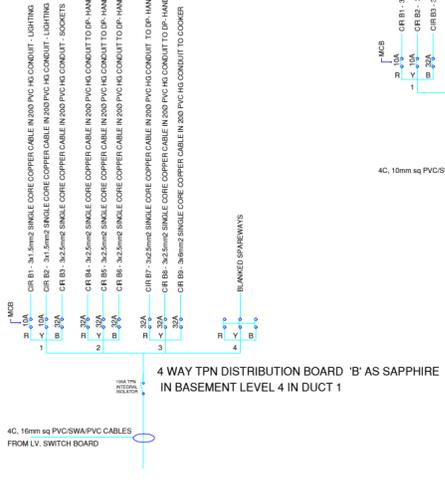


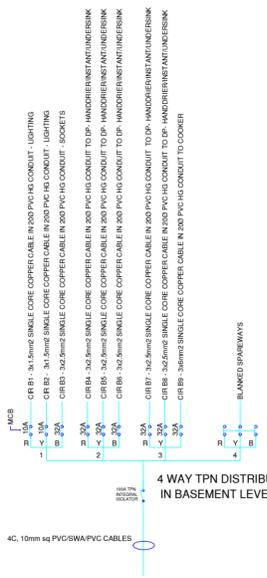
6 - WAY S.P. & N CONSUMER UNIT CU 'E' INCORPORATING 100A INTEGRAL ISOLATOR AS SAPPHIRE IN BASEMENT 04



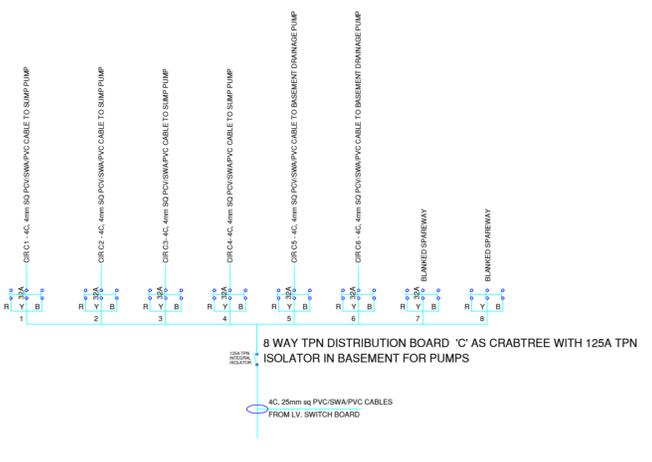
8 WAY TPN DISTRIBUTION BOARD 'A' AS SAPPHIRE IN NANOTECHNOLOGY LAB



4 WAY TPN DISTRIBUTION BOARD 'B' AS SAPPHIRE IN BASEMENT LEVEL 4 IN DUCT 1

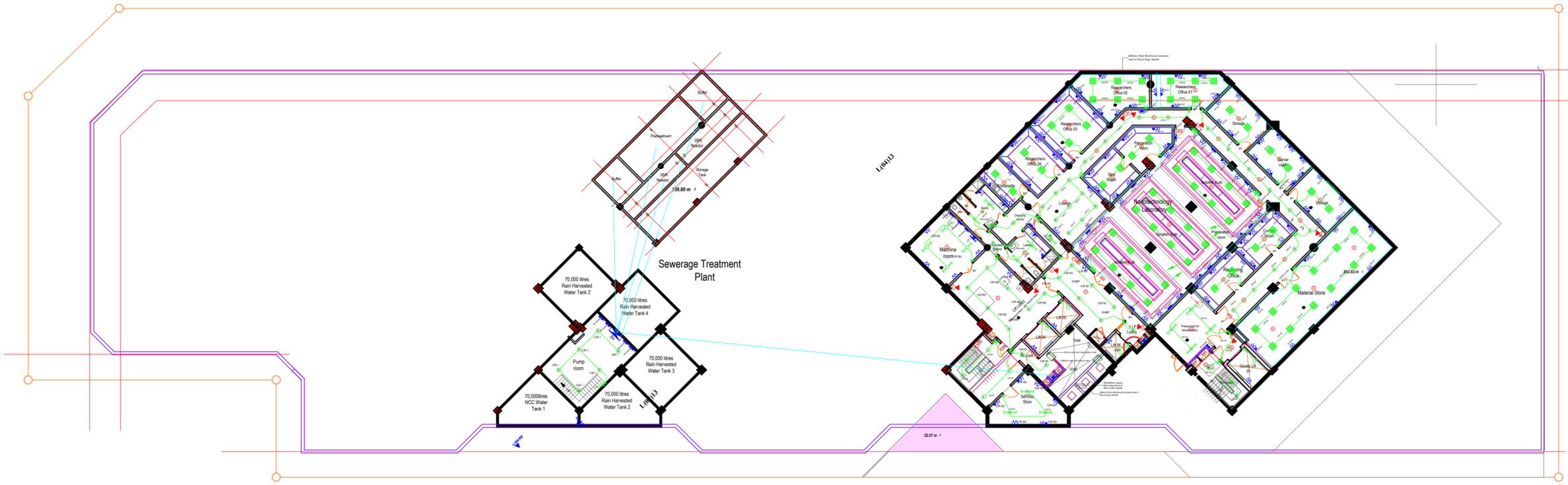


4 WAY TPN DISTRIBUTION BOARD 'B' AS SAPPHIRE IN BASEMENT LEVEL 4 IN DUCT 1



8 WAY TPN DISTRIBUTION BOARD 'C' AS CRABTREE WITH 125A TPN ISOLATOR IN BASEMENT FOR PUMPS

- SAP SECURITY ALARM CONTROL PANEL
- FA FIRE ALARM CONTROL PANEL
- B BREAKGLASS - FIRE ALARM
- FS FIRE ALARM SOUNDER
- S SMOKE DETECTOR
- H HEAT DETECTOR
- SP SPEAKER OUTLET POINTS
- PAS PUBLIC ADDRESS SYSTEM
- C CLOSED CIRCUIT CAMERA
- EXIT EMERGENCY EXIT SIGN



BASEMENT 04 ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conditions must be read before plotting.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:  **KIRDI**
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)

 **MINISTRY OF PUBLIC WORKS.**
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant:  **HABITECH CONSULTANTS**
 P.O. BOX 66495 - NAIROBI - KENYA
 TEL: 254 - 020 - 4449692/3

In association with
M & M Construction Consultants,
 P.O. Box 4677 - 00506
 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.

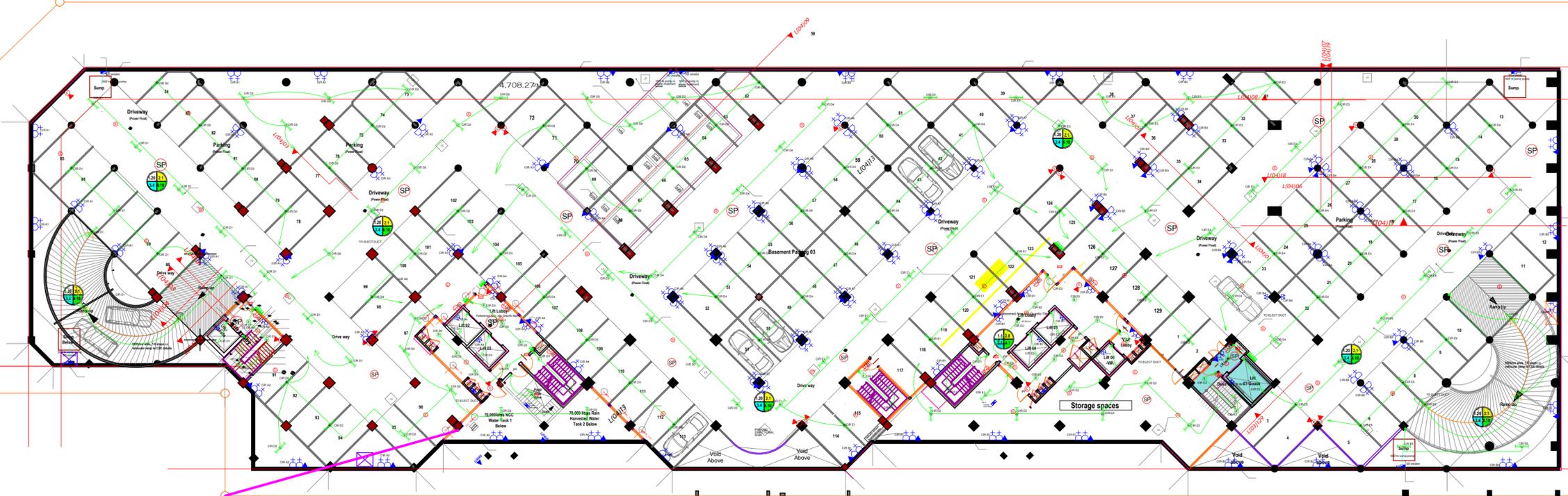
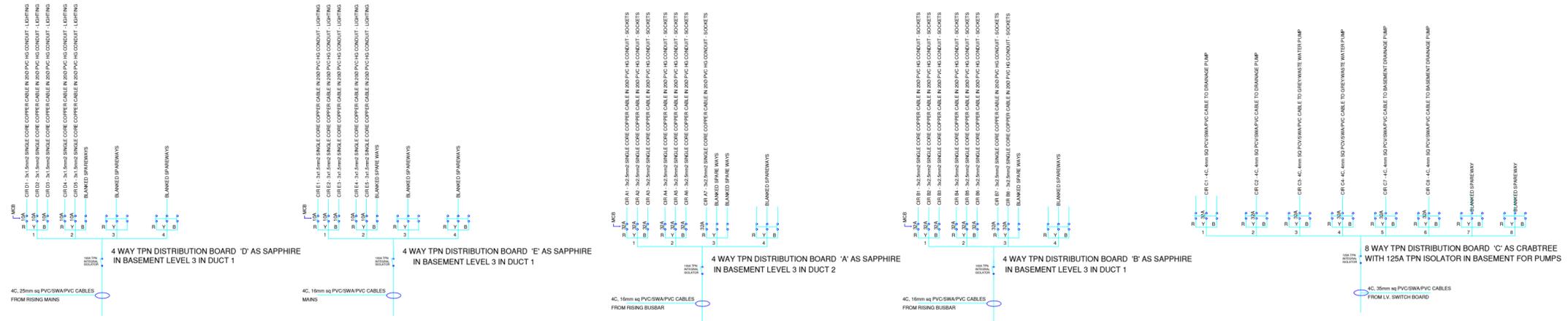
 **GEDOX ASSOCIATES,**
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject: **BASEMENT 04 FLOOR ELECTRICAL INSTALLATION**

Discipline		
<input type="checkbox"/> Architectural	<input type="checkbox"/> Electrical	<input type="checkbox"/> Civil
<input type="checkbox"/> Structural	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/25	checked by: ENG. GWJ
	MoPW

Approved by: _____
 Dwg. no. 1 of 36



BASEMENT 03 ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant

Architects
HABITECH CONSULTANTS
 P.O. BOX 66495 - NAIROBI - KENYA
 TEL: 254 - 020 - 4449692/3

In association with

Quantity Surveyors
M & M Construction Consultants,
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 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.



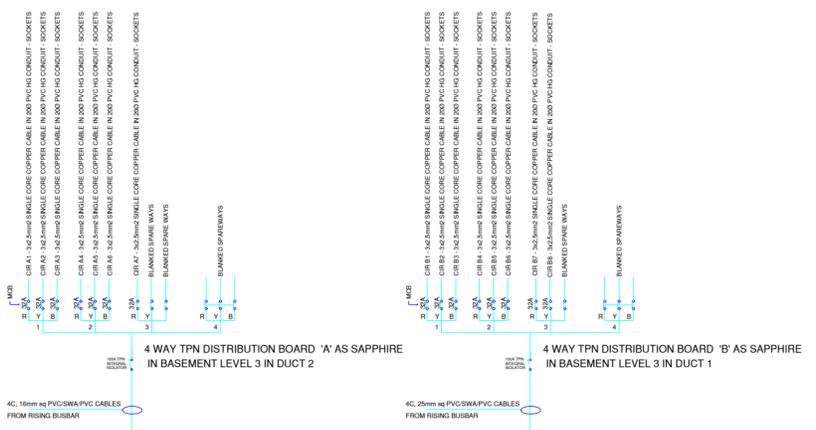
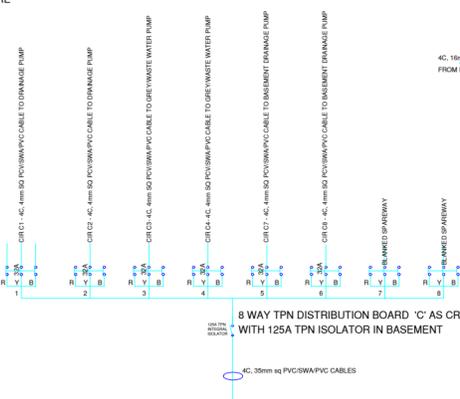
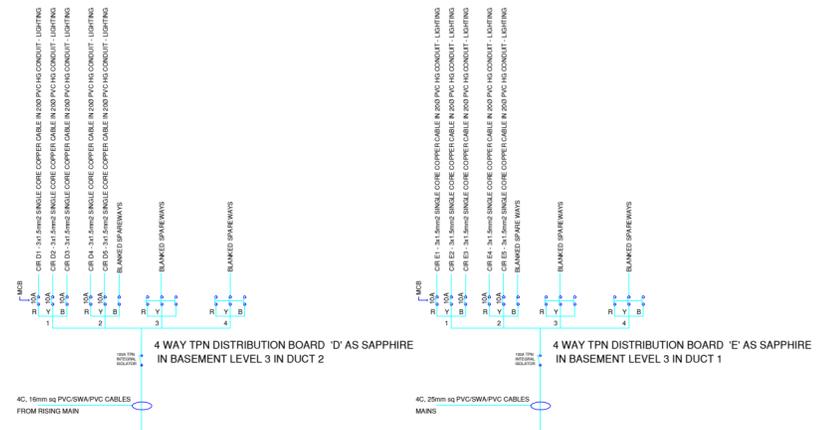
Electrical Engineers
GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 BASEMENT 03 FLOOR ELECTRICAL INSTALLATION

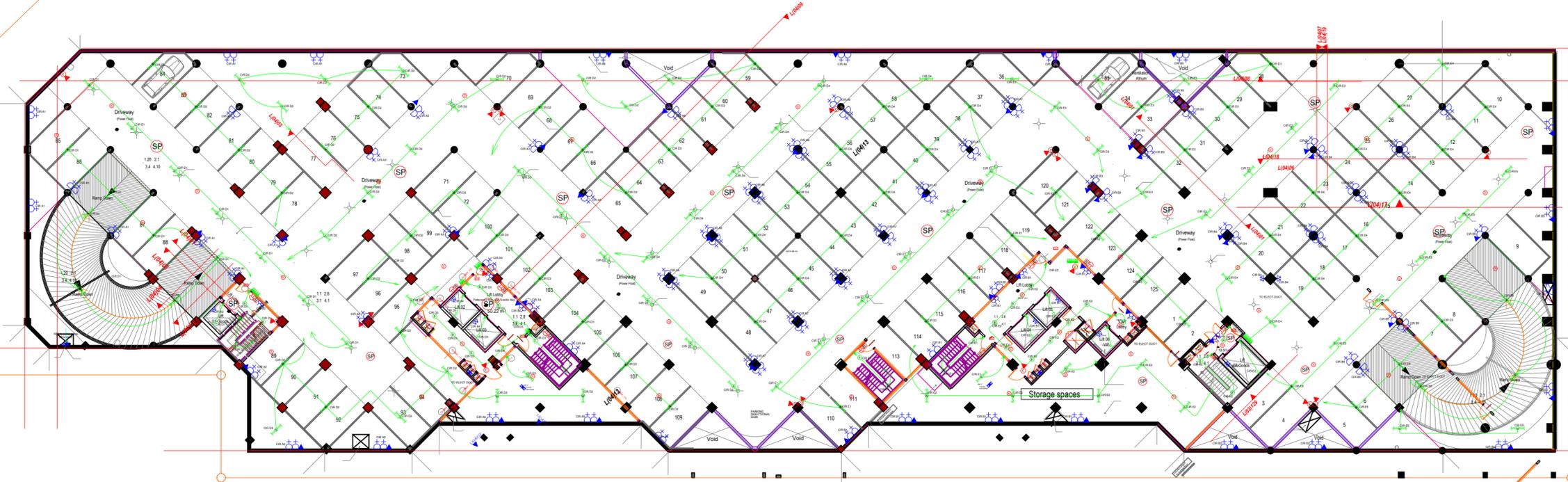
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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

Approved by:
 Dwg. no. 2 of 36



- SAP** SECURITY ALARM CONTROL PANEL
- FA** FIRE ALARM CONTROL PANEL
- B** BREAKGLASS - FIRE ALARM
- ⊕** FIRE ALARM SOUNDER
- S** SMOKE DETECTOR
- H** HEAT DETECTOR
- SP** SPEAKER OUTLET POINTS
- PAS** PUBLIC ADDRESS SYSTEM
- CC** CLOSED CIRCUIT CAMERA
- EXIT** EMERGENCY EXIT SIGN



BASEMENT 02 ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant

Architects
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 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
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 Nairobi.
 Electrical Engineers



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 BASEMENT 02 FLOOR ELECTRICAL INSTALLATION

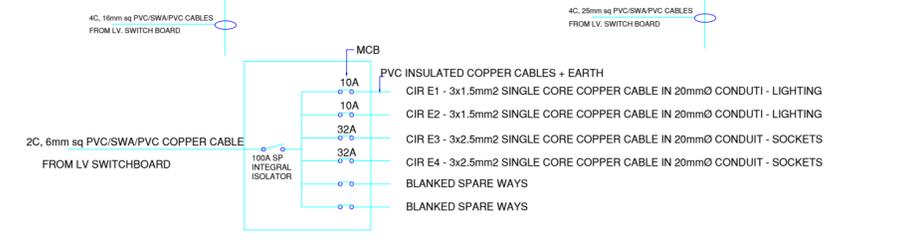
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<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

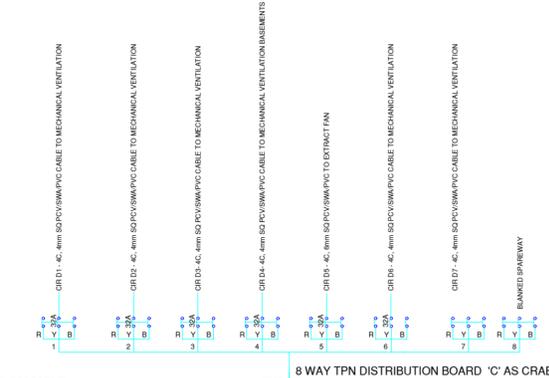
Approved by:
 Dwg. no. 3 of 36



6 WAY TPN DISTRIBUTION BOARD 'A' AS SAPPHIRE IN BASEMENT LEVEL IN DUCT 2



6 - WAY S.P. & N CONSUMER UNIT CU 'E' INCORPORATING 100A INTEGRAL ISOLATOR AS SAPPHIRE IN BASEMENT 01



8 WAY TPN DISTRIBUTION BOARD 'C' AS CRABTREE WITH 125A TPN ISOLATOR IN BASEMENT FOR MECHANICAL VENTILATION



4 WAY TPN DISTRIBUTION BOARD 'D' AS SAPPHIRE IN BASEMENT LEVEL 1 IN DUCT 2

- [SAP] SECURITY ALARM CONTROL PANEL
- [FA] FIRE ALARM CONTROL PANEL
- [B] BREAKGLASS - FIRE ALARM
- [H] FIRE ALARM SOUNDER
- [S] SMOKE DETECTOR
- [H] HEAT DETECTOR
- [SP] SPEAKER OUTLET POINTS
- [PAS] PUBLIC ADDRESS SYSTEM
- [C] CLOSED CIRCUIT CAMERA
- [EXIT] EMERGENCY EXIT SIGN

SYMBOL	DESCRIPTION	MANUFACTURERS CAT No.	MOUNTING HEIGHT
[A]	HORIZONTAL LOW ENERGY DOWNLIGHT	THORN FT84 (ELC/DMB)	CEILING
[B]	SPRUE DOWNLIGHT FOR EXTRW COMPACT FLUORESCENT FITTING	THORN SWING 100 (GFA/4)	CEILING
[C]	SURFACE MOUNTED CEILING LIGHT AS THORN GLORE	THORN	CEILING
[D]	SURFACE MOUNTED WALL BRACKET POSTER LIGHT WITH ENERGY SAVING LAMP	THORN W01R118W	2100mm
[E]	MELLOW LIGHT CEILING LUMINAIRE FOR 15W T5 CFL COMPACT FLUORESCENT WITH SOFT FABULAR SHAPE AND BRUSHED STAINLESS STEEL FIXINGS AS THORN GAMBRO	THORN GAMBRO	CEILING
[F]	ELEGANT CHANDLIER LUMINAIRE FOR 36W T5 CFL COMPACT FLUORESCENT LAMPS WITH 3 SHADES	THORN J121885	CEILING
[G]	2ND WALL MOUNTED LUMINAIRE FOR USE WITH 50W LOW VOLTAGE CAPSULE LAMP	THORN J120117	CEILING
[H]	1200mm, 1x36w WATER PROOF SINGLE FLUORESCENT FITTING	THORN PP 136	CEILING
[I]	1200mm, 1x36w WATER PROOF SINGLE FLUORESCENT FITTING	THORN LUES 136	CEILING
[J]	ENCLOSED IP65 VANDAL RESISTANT WALL MOUNTING LUMINAIRE FOR 50W T5 TUBE FLUORESCENT MERCURY	THORN P2L50M	BEING BEAM
[K]	CEILING MOUNTED TRACK LIGHT FITTING	THORN	CEILING
[L]	ATTRACTIVE WALL LIGHT FOR 7W MASTER/SLAVE LAMP WITH 60FT 5/8 BAAR SHADE	THORN GAMBRO WALL LIGHT	COLUMN
[M]	VORTEX WALL BRACKET WITH DIFFUSED GLASS AS MICROMARK	MICROMARK 6000 (4)	1800mm
[N]	SHOWER SUPPLY UNIT WITH POLISHED SATIN CHROME FINISH AS CRABTREE	CRABTREE CAT NO. 3411	1700mm
[O]	PHOTOCELL WITH CONTACTOR RELAY AND MOUNTING BRACKETS	THORN	TRNG BEAM
[P]	SA 1 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4070	1400mm
[Q]	SA 2 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4072	1400mm
[R]	SA 3 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4073	1400mm
[S]	SA 1 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4170	1400mm
[T]	SA 2 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4172	1400mm
[U]	SA 3 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4173	1400mm
[V]	SA 4 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4174	1400mm
[W]	T5A SINGLE SOCKET OUTLET POINT AND PLATE WITH POLISHED SATIN CHROME FINISH	CRABTREE 4044	300x1400mm
[X]	T5A TWIN SOCKET OUTLET POINT AND PLATE WITH POLISHED SATIN CHROME FINISH	CRABTREE 4316	300x1800mm
[Y]	25A DP SWITCH FOR HAND DREWING SHOWER WITH POLISHED SATIN CHROME FINISH	CRABTREE 432331	1800mm
[Z]	COMPUTER TELEPHONE OUTLET POINT AND PLATE FOR FLUSH MOUNTING WITH POLISHED SATIN CHROME FINISH	CRABTREE 8002	300mm
[AA]	T5A ANTENNE SOCKET POINT AND PLATE FOR FLUSH MOUNTING WITH POLISHED SATIN CHROME FINISH	CRABTREE 8267	300mm
[AB]	SELF CONTAINED RECESSED CEILING MOUNTED, EDGE LIGHT DOUBLE SIDED EXIT SIGN FOR MAINTAINED EMERGENCY LIGHTING OF 36W DIMENSION	THORN EREL 3M	CEILING
[AC]	SPN CONSUMER UNIT NUMBER OF WAYS AS INDICATED IN SCHEMATICS AS SAPPHIRE	SAPPHIRE	1800mm
[AD]	TPN DISTRIBUTION BOARD NUMBER OF WAYS AS INDICATED IN SCHEMATICS AS SAPPHIRE	SAPPHIRE	1800mm
[AE]	125A ISOLATOR AS ABB	ABB	1400mm

AMENDMENTS		
No	Date	Revision

NOTES

All works must be done before plastering.
All Electrical works must be co-ordinated with mechanical works.
Any conflicts must be clarified before work begins.
To be read with other related drawings.

Project:
THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:

KIRDI
KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
P.O. BOX 30650 - 00100 - NAIROBI - KENYA
TEL: 254 - 020 - 535966, 535984/90

Approved by: _____ Date: _____
Chief Electrical & Mechanical Engineer (BS) Sign: _____

MINISTRY OF PUBLIC WORKS.
ELECTRICAL & MECHANICAL DEPARTMENT (BS)
FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant

HABITECH CONSULTANTS
P.O. BOX 66495 - NAIROBI - KENYA
TEL: 254 - 020 - 4449692/3

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Quantity Surveyors
M & M Construction Consultants,
P.O. Box 4677 - 00506
Nairobi.

Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
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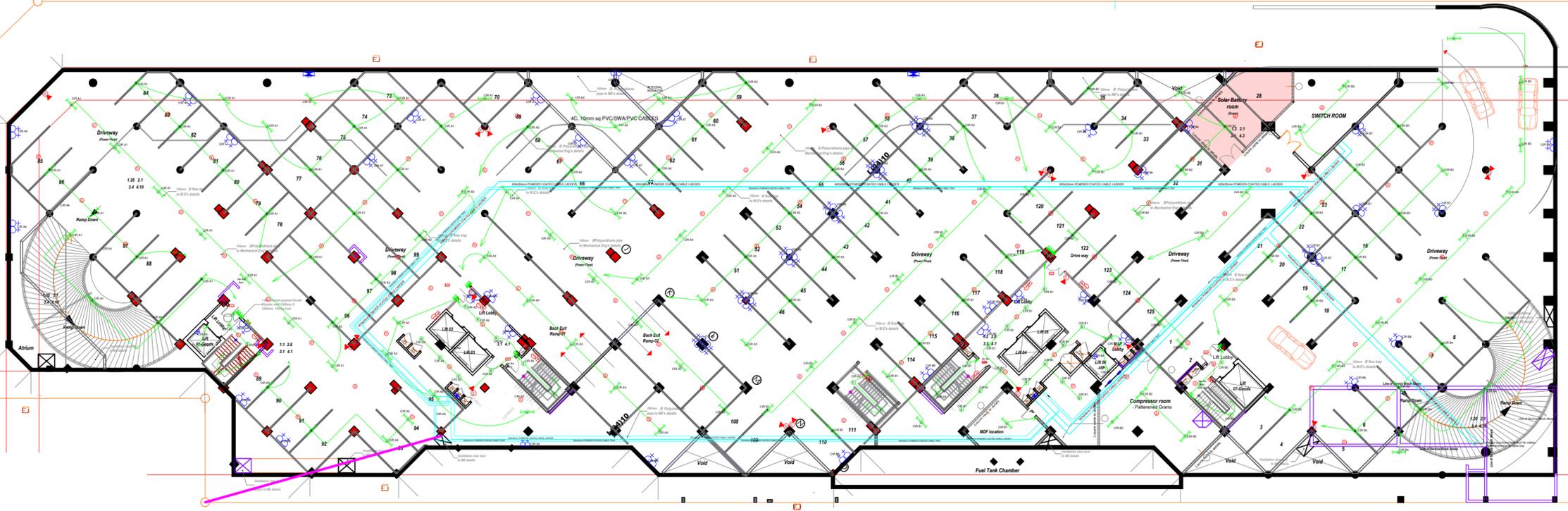
GEDOX ASSOCIATES,
P.O. BOX 64441-00620, NAIROBI - KENYA
TEL/FAX : 254-02-2636000

Subject
BASEMENT 01 FLOOR ELECTRICAL INSTALLATION

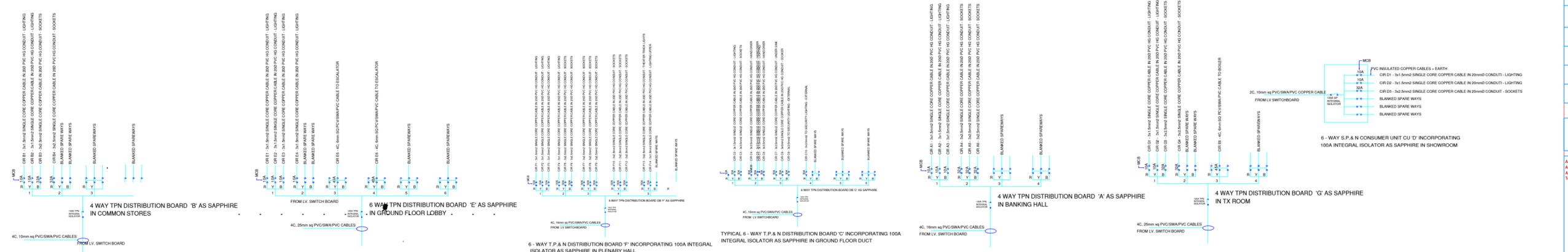
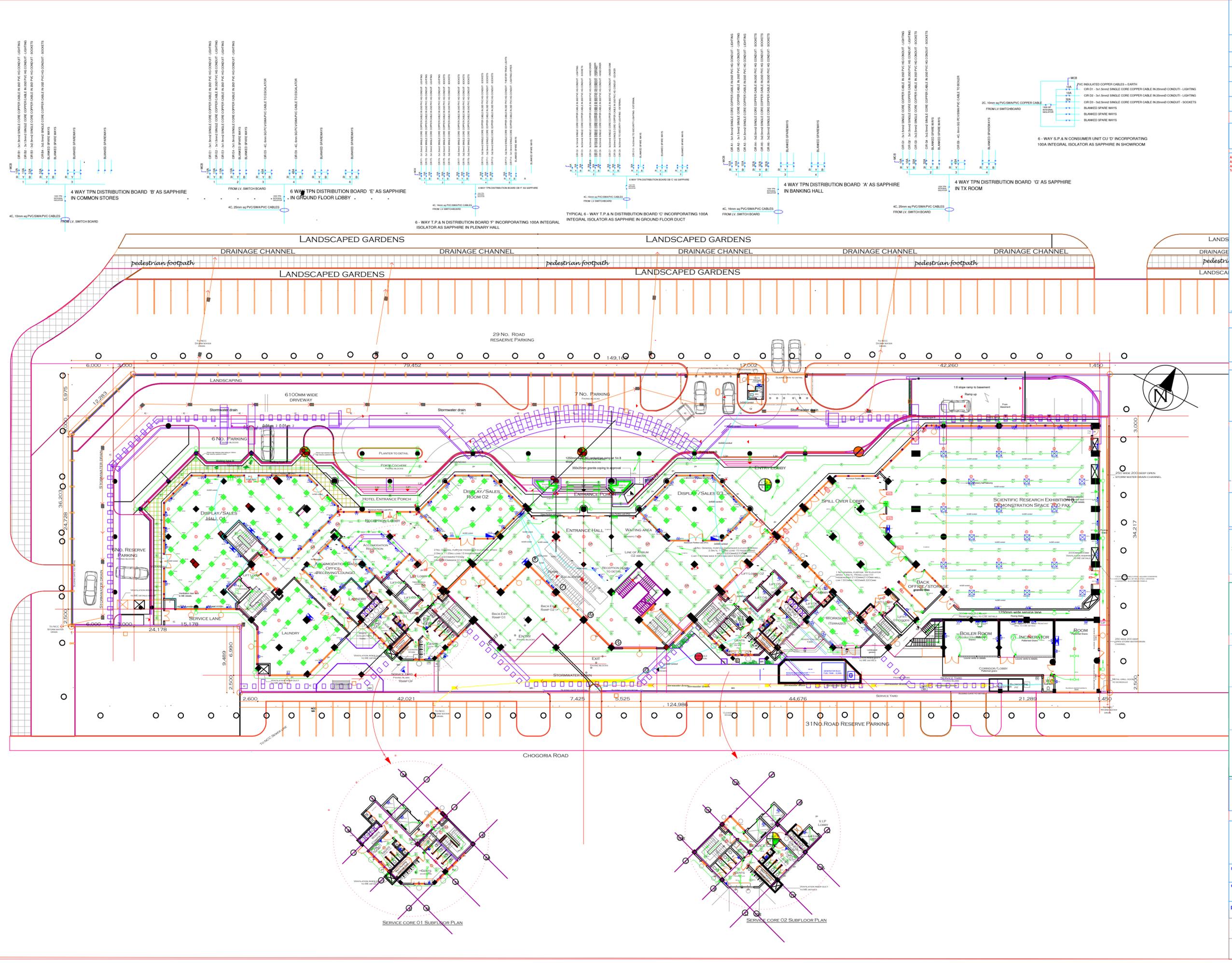
Discipline	
<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

Approved by: _____
Dwg. no. 4 of 36



BASEMENT 01 ELECTRICAL



AMENDMENTS		
No	Date	Revision

NOTES

All works must be tied before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



HABITECH CONSULTANTS
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Quantity Surveyors
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 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 GROUND FLOOR ELECTRICAL INSTALLATION

Discipline	
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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by: _____
 Dwg. no. 5 of 36

AMENDMENTS

No	Date	Revision

NOTES

All works must be laid before plastering.
All Electrical works must be co-ordinated with mechanical works.
Any conflicts must be clarified before work begins.
To be read with other related drawings.

Project:
THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
P.O. BOX 30650 - 00100 - NAIROBI - KENYA
TEL: 254 - 020 - 535966, 535984/90

Approved by:-
Chief Electrical & Mechanical Engineer (BS)



MINISTRY OF PUBLIC WORKS.
ELECTRICAL & MECHANICAL DEPARTMENT (BS)
FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant

Architects
HABITECH CONSULTANTS
P.O. BOX 66495 - NAIROBI - KENYA
TEL: 254 - 020 - 4449692/3

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P.O. Box 4677 - 00506
Nairobi.
Civil&Structural Engineers

Multiscope Consulting Engineers Ltd,
P.O. BOX 12012 - 00100
Nairobi.
Electrical Engineers



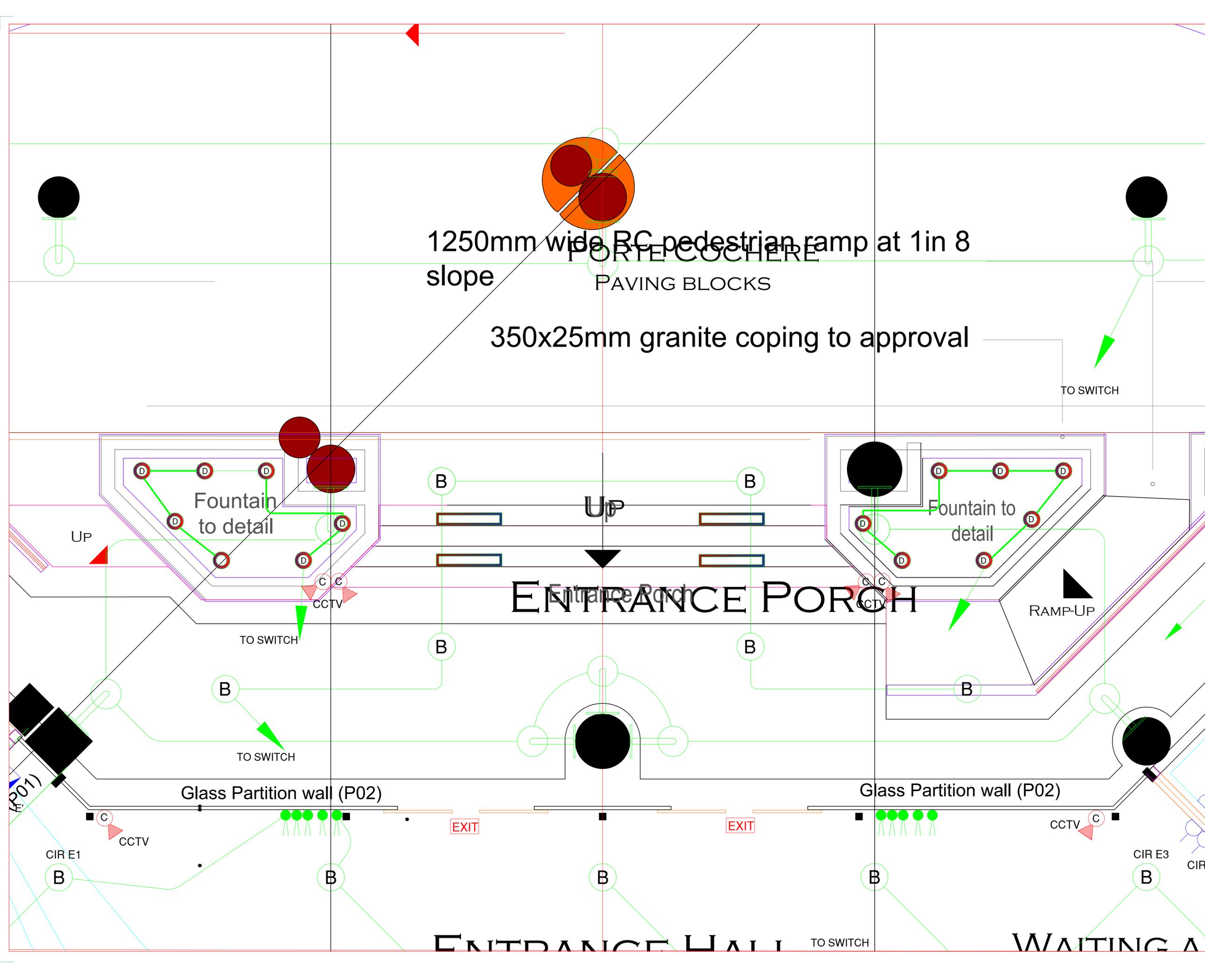
GEDOX ASSOCIATES,
P.O. BOX 64441-00620, NAIROBI - KENYA
TEL/FAX : 254-02-2636000

Subject
GROUND FLOOR ELECTRICAL INSTALLATION

- Discipline
- Architectural
 - Structural
 - Mechanical
 - Electrical
 - Civil
 - Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:
Dwg. no. 6 of 36



AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND
 DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



HABITECH CONSULTANTS
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 TEL: 254 - 020 - 4449692/3

In association with

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 Nairobi.

Civil/Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.

Electrical Engineers



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
**MEZZANINE FLOOR ELECTRICAL
 INSTALLATION**

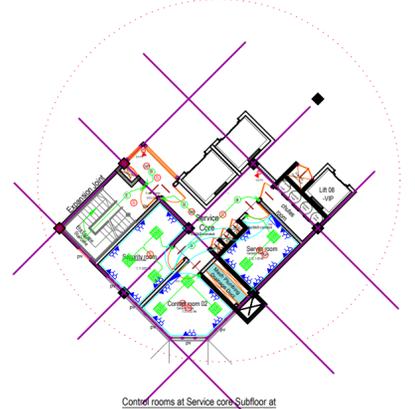
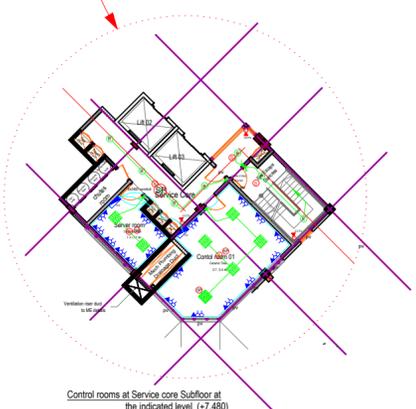
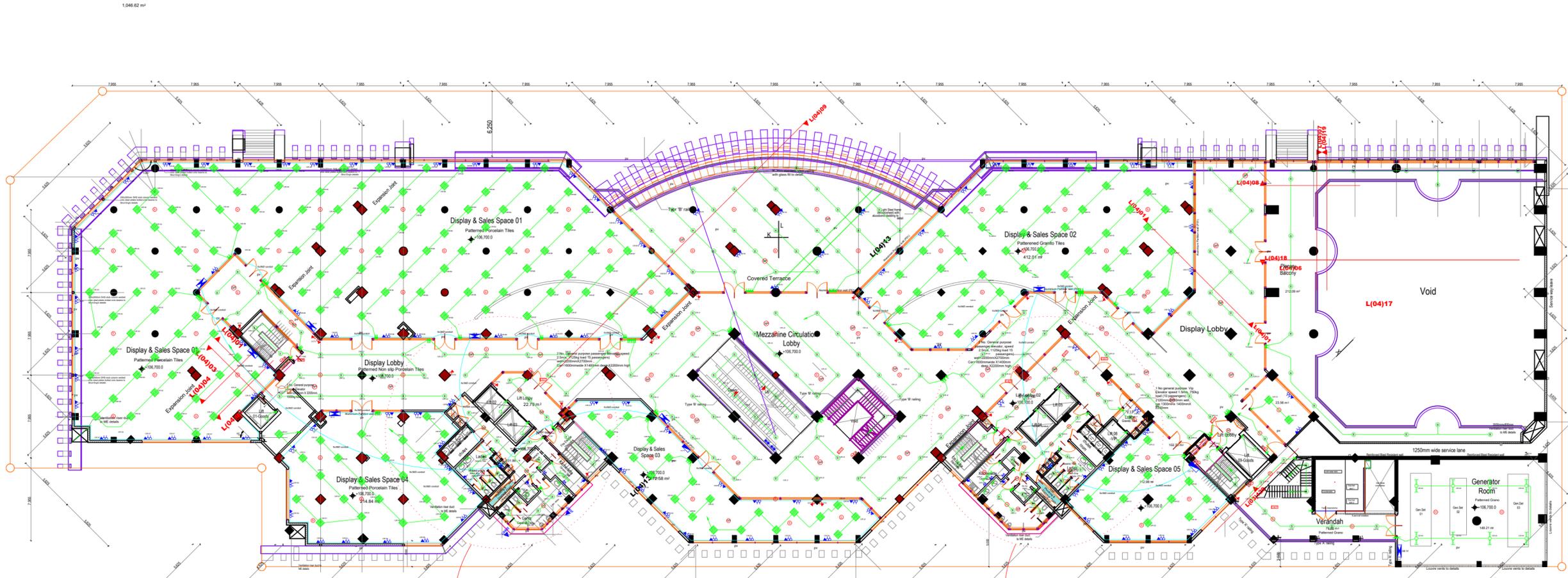
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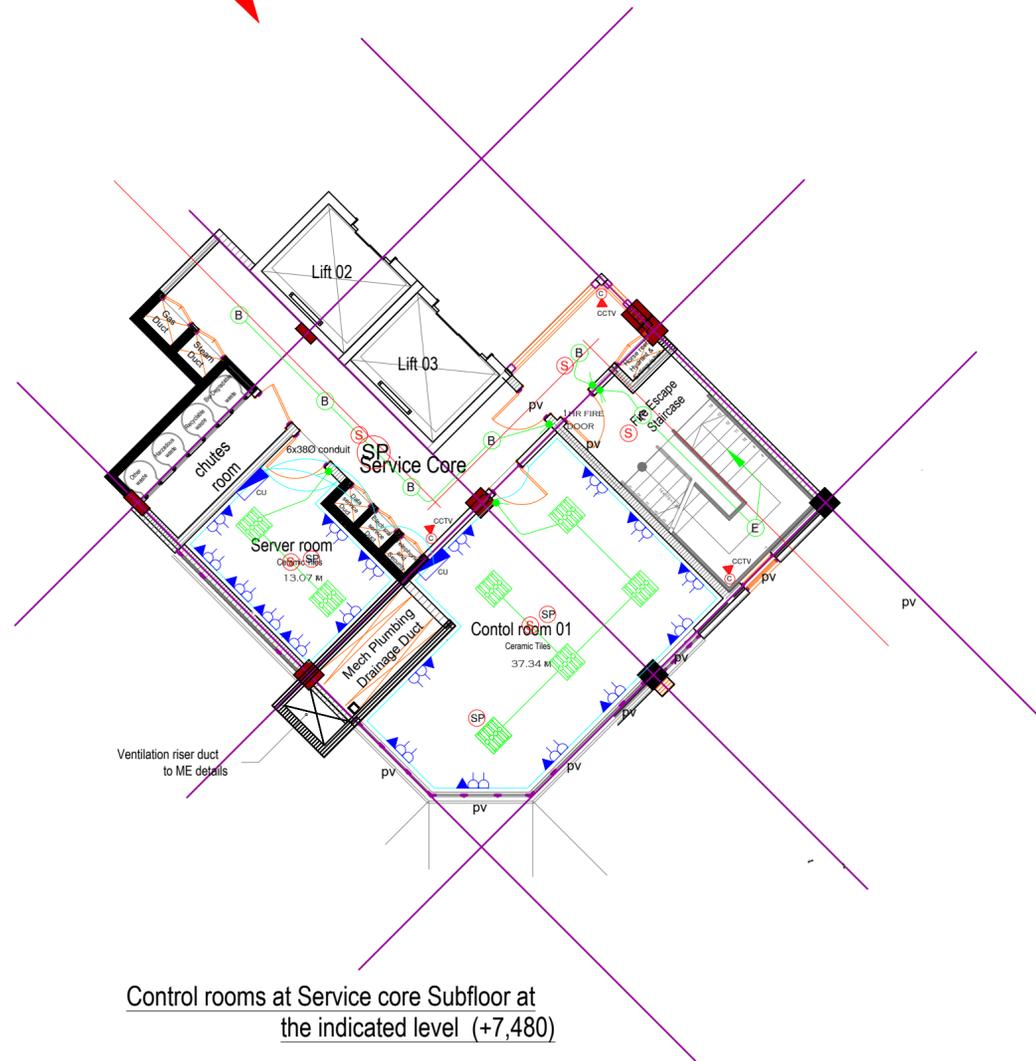
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date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:

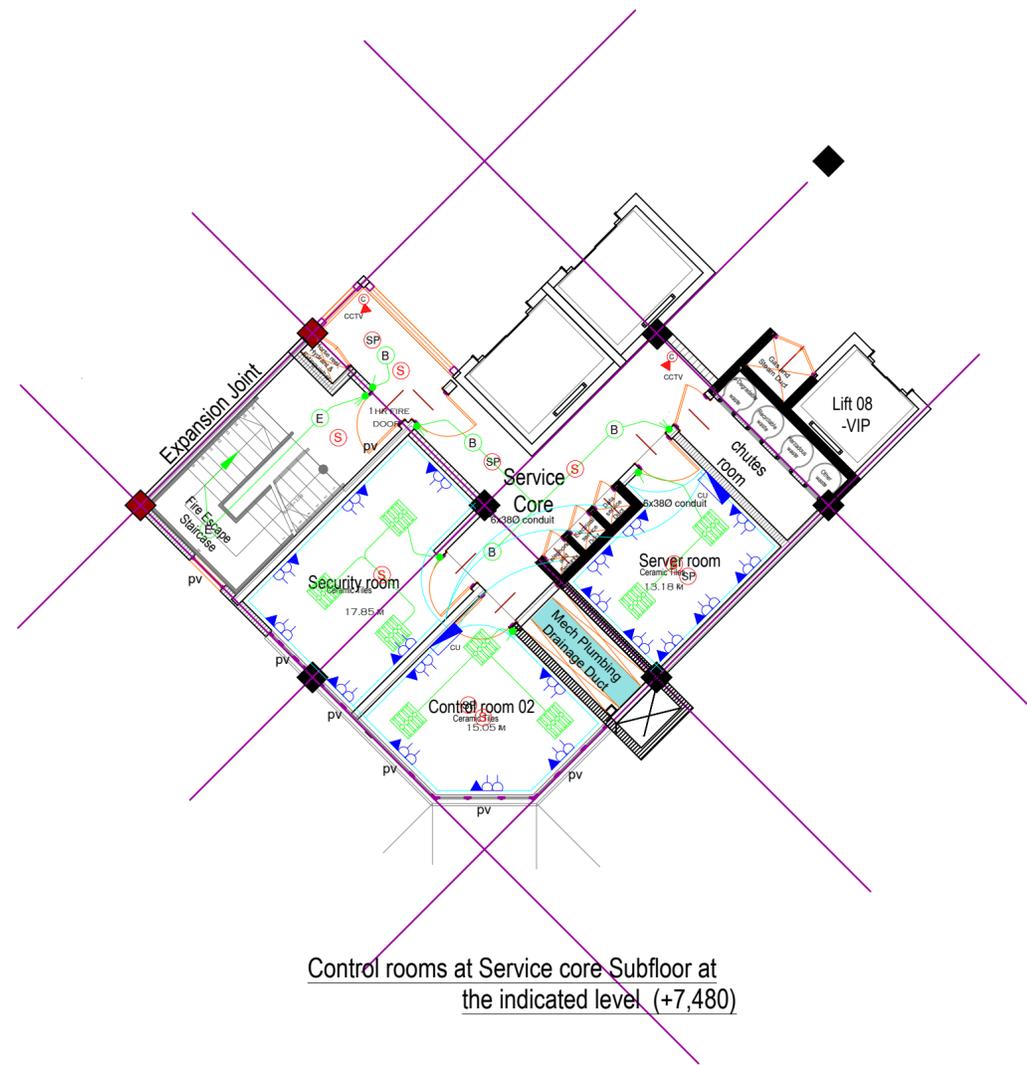
Dwg. no. 7 of 36



MEZZANINE ELECTRICAL



Control rooms at Service core Subfloor at the indicated level (+7,480)



Control rooms at Service core Subfloor at the indicated level (+7,480)

CONTROL ROOM

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:
 **KIRDI**
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-

 **MINISTRY OF PUBLIC WORKS.**
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant
 **HABITECH CONSULTANTS**
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 TEL: 254 - 020 - 4449692/3

In association with
 Quantity Surveyors
M & M Construction Consultants,
 P.O Box 4677 - 00506
 Nairobi.
 Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.
 Electrical Engineers

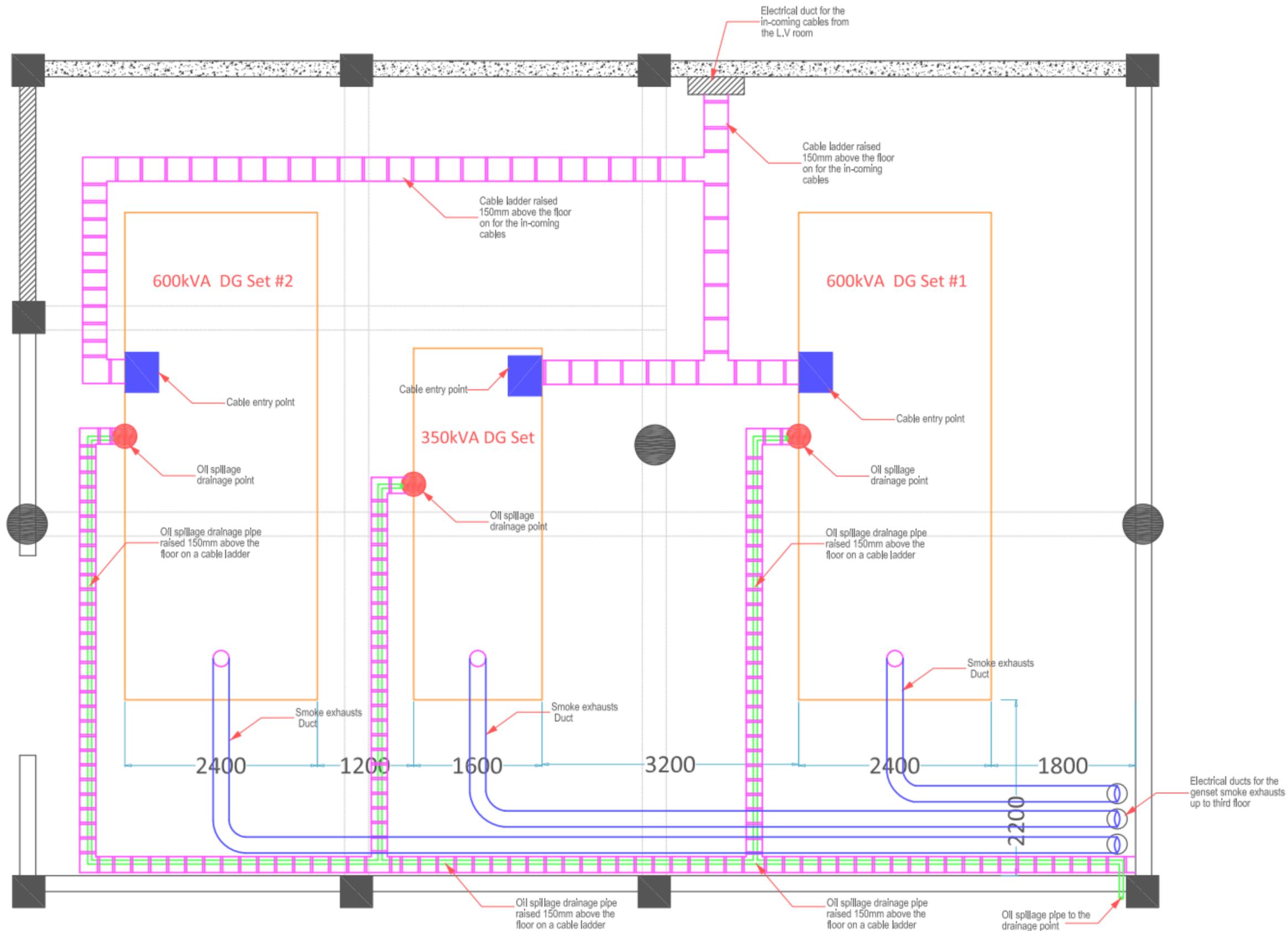
 **GEDOX ASSOCIATES,**
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 SUB FLOOR FLOOR ELECTRICAL
 INSTALLATION CONTROL ROOM

Discipline
 Architectural
 Structural
 Mechanical
 Electrical
 Civil
 Other Discipline

scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:
 Dwg. no. 8 of 36



AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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Civil&Structural Engineers
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 Nairobi.

Electrical Engineers

GEDOX ASSOCIATES,
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Subject
 MEZZANINE FLOOR ELECTRICAL GENERATOR ROOM

Discipline	
<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG: GWJ
date: June, 2025	drawn by	LAO
project no: E012/15	checked by	ENG: GWJ
		MoPW

Approved by:

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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Architects
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 Nairobi.
 Electrical Engineers



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 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 1ST FLOOR AUDITORIUM
 ELECTRICAL LAYOUT

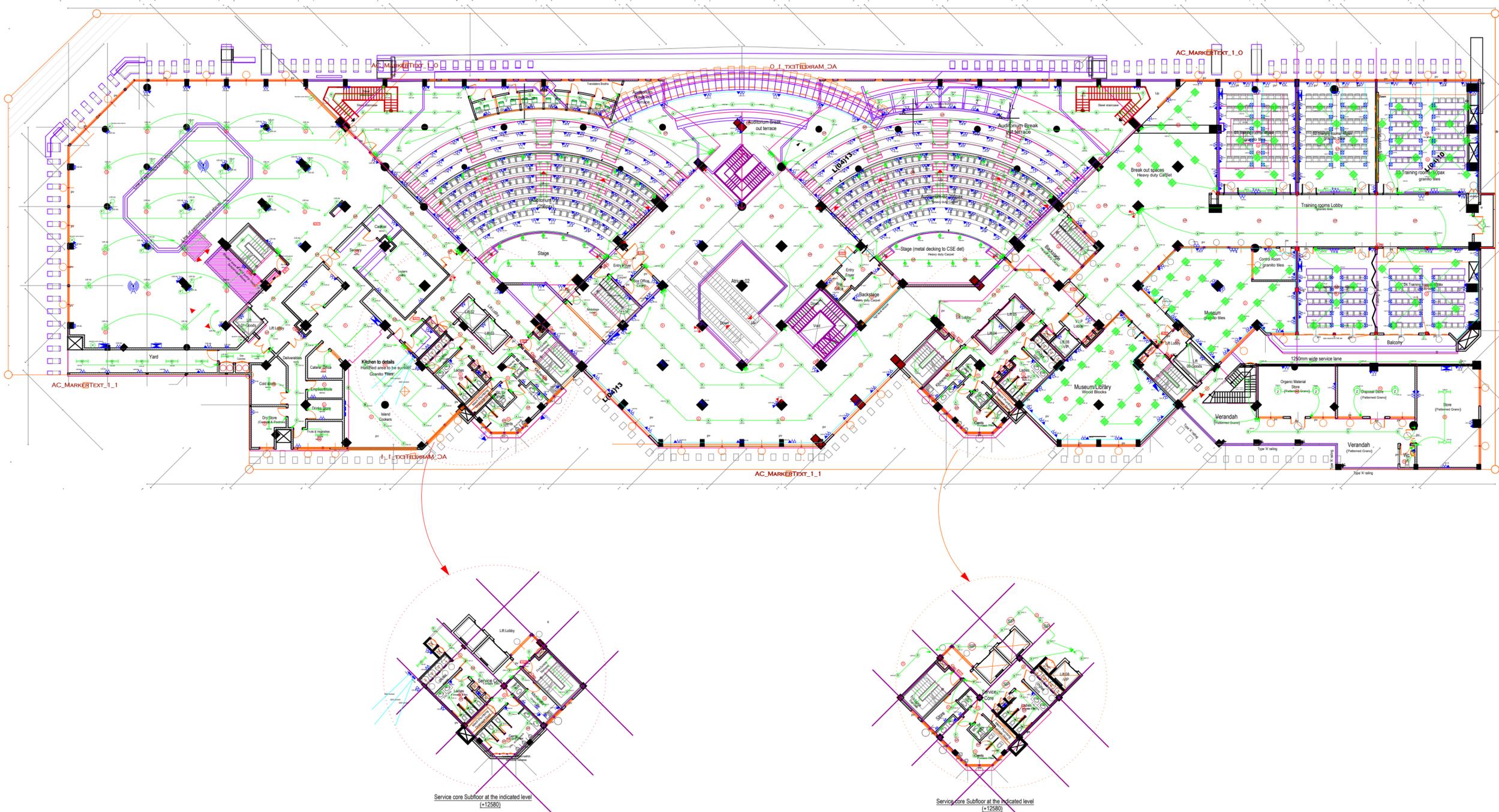
Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:

Dwg. no. 10 of 36



FIRST FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.
 Electrical Engineers



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 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
**2ND FLOOR ELECTRICAL
 INSTALLATION**

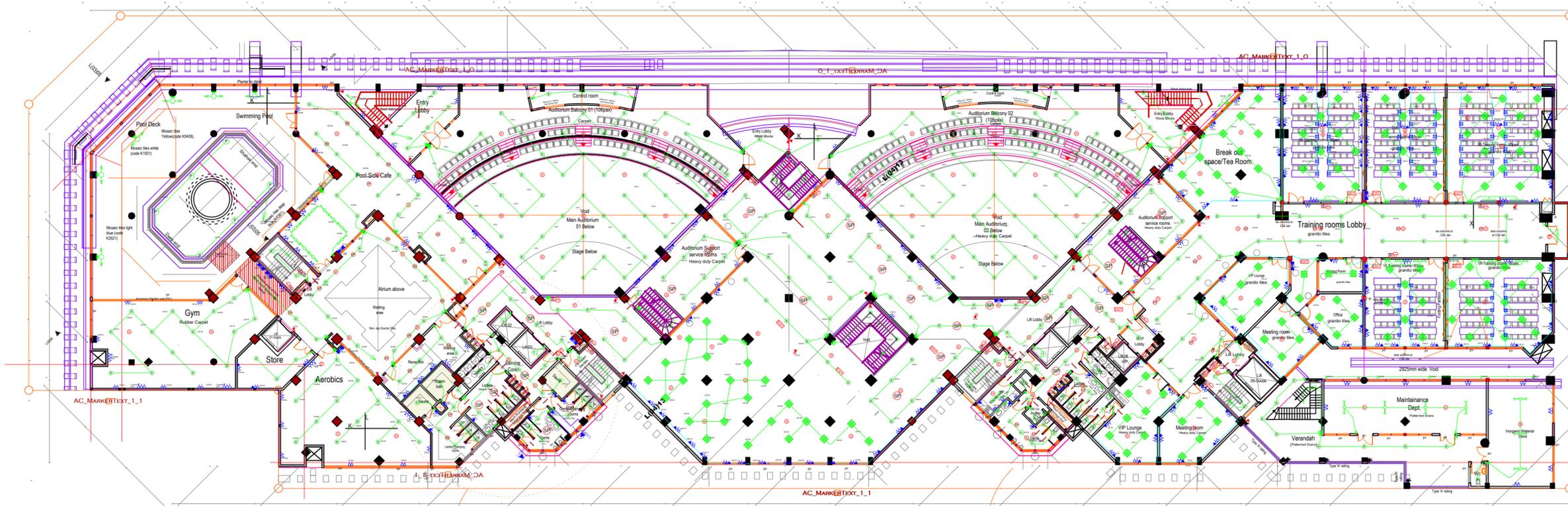
Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

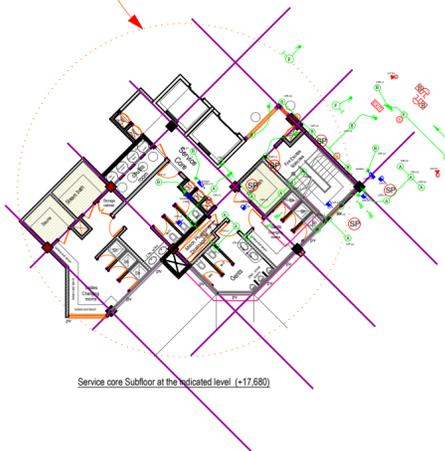
scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:

Dwg. no. 11 of 36



Mosaic tiles Yellow (code K5406),
 Mosaic tiles deep blue (K4381),
 Mosaic tiles light blue (code K3521)
 Mosaic tiles white (code K1001)



SECOND FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH 'B', NAIROBI

Client:



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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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 Nairobi.
 Electrical Engineers



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 TEL/FAX : 254-02-2636000

Subject
 3RD FLOOR ELECTRICAL
 INSTALLATION

Approved by:

Discipline

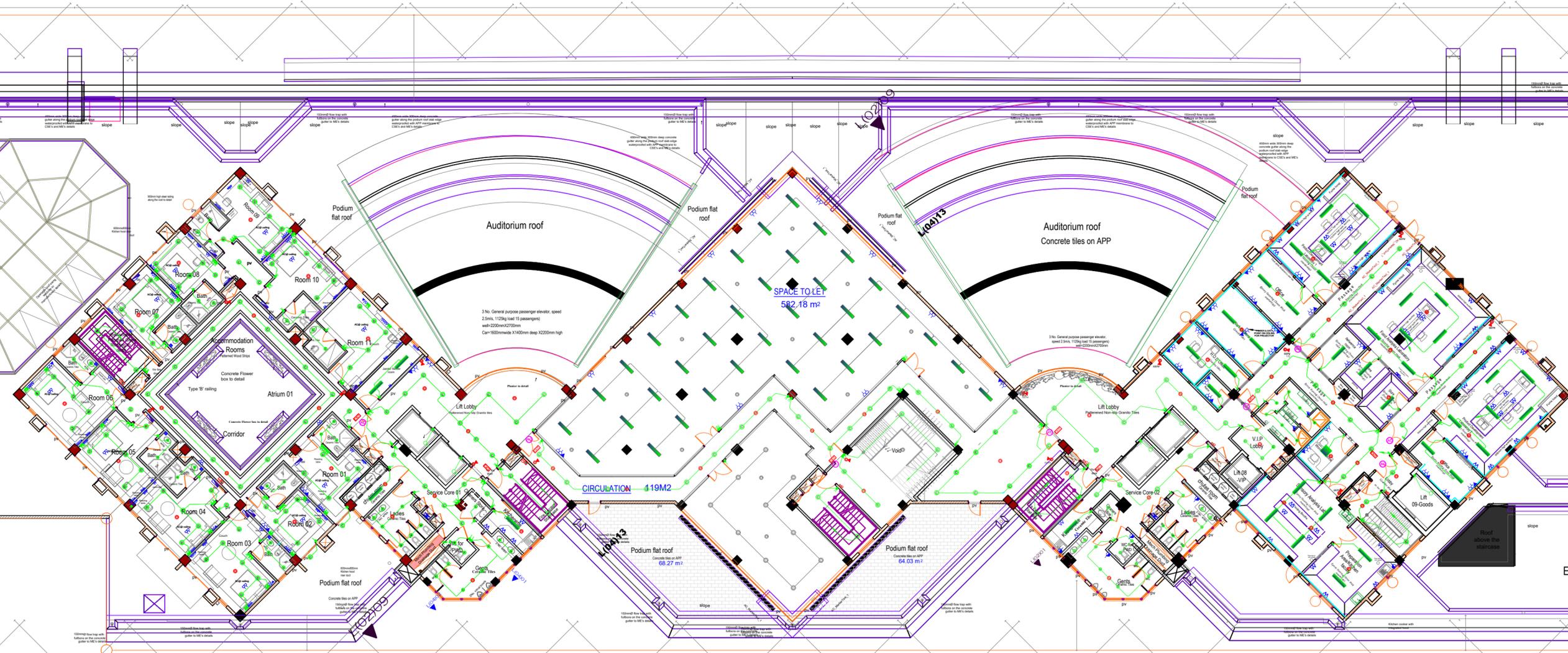
<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:

Dwg. no. 12 of 36

L(02)08



THIRD FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conditions must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)



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 Nairobi.
 Electrical Engineers



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Subject
4TH FLOOR ELECTRICAL INSTALLATION

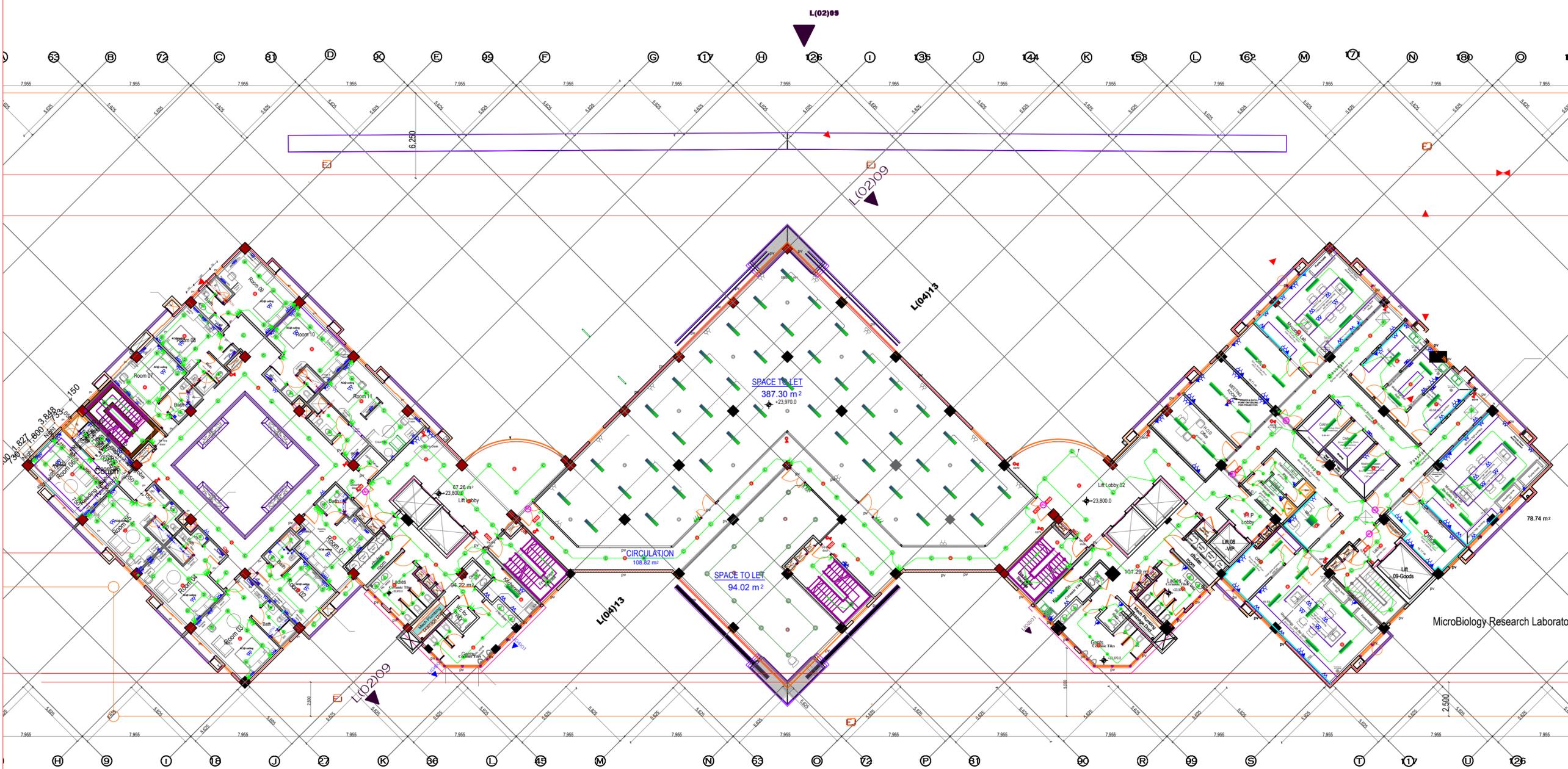
Approved by: _____

Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by: _____



FOURTH FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conditions must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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 Nairobi.
 Electrical Engineers



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 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 5TH FLOOR ELECTRICAL
 INSTALLATION

Approved by:

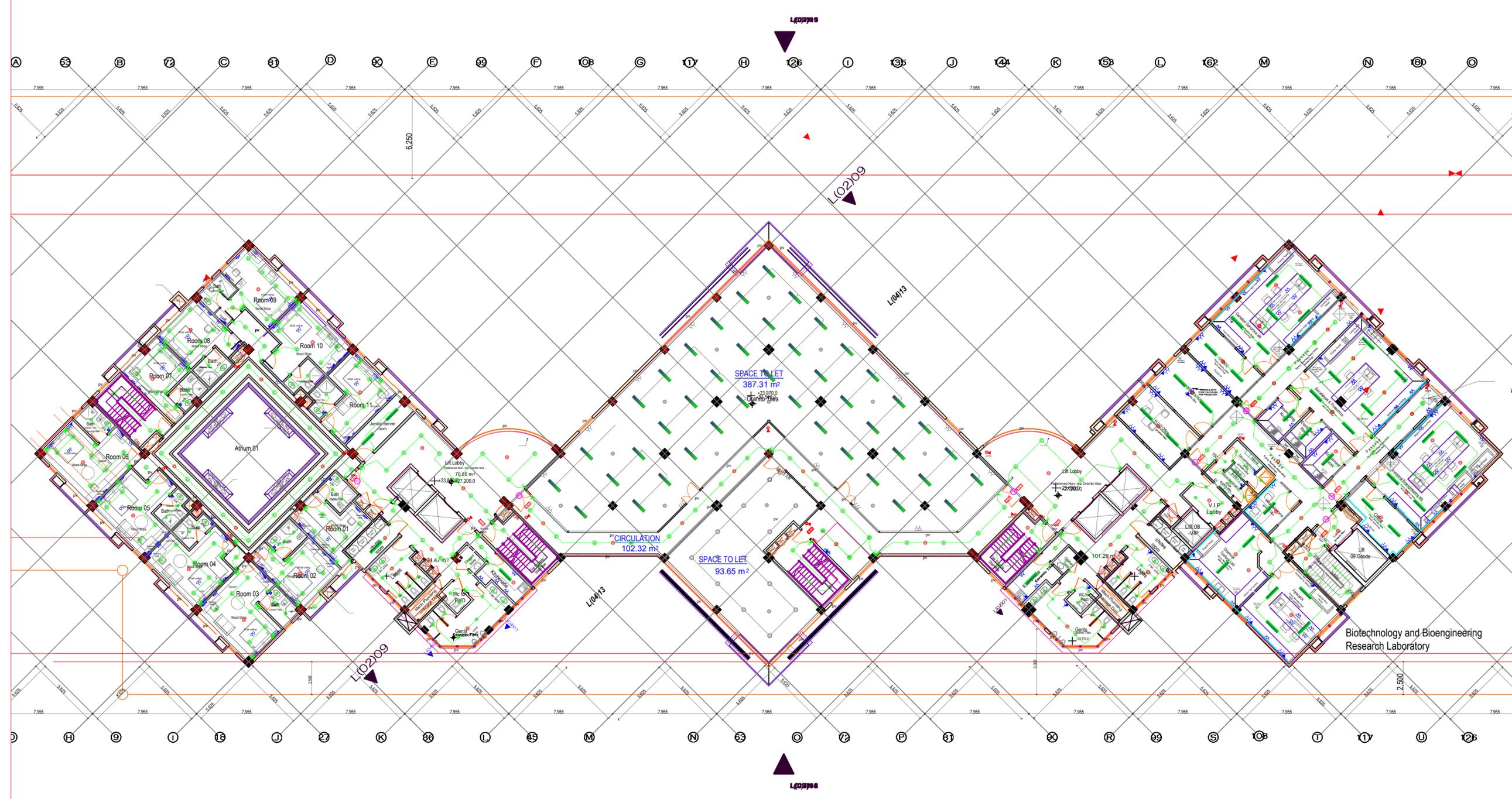
Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:

Dwg. no. 14 of 36



FIFTH FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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 Nairobi.
 Electrical Engineers



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 TEL/FAX : 254-02-2636000

Subject
6TH FLOOR ELECTRICAL INSTALLATION

Approved by:

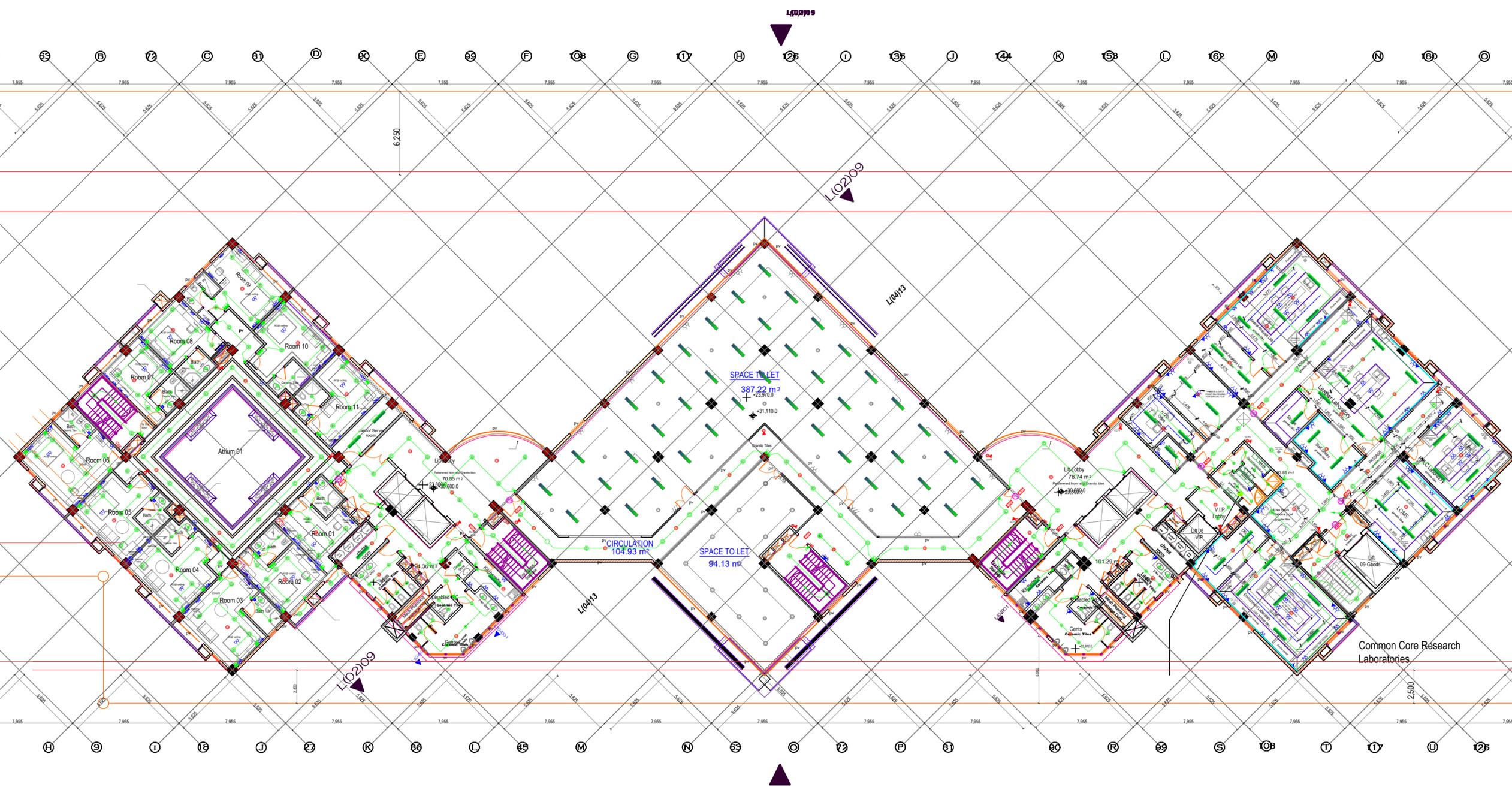
Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

Approved by:

Dwg. no. 15 of 36



SIXTH FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All works must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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 Electrical Engineers



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Subject
 7TH FLOOR ELECTRICAL INSTALLATION

Approved by:

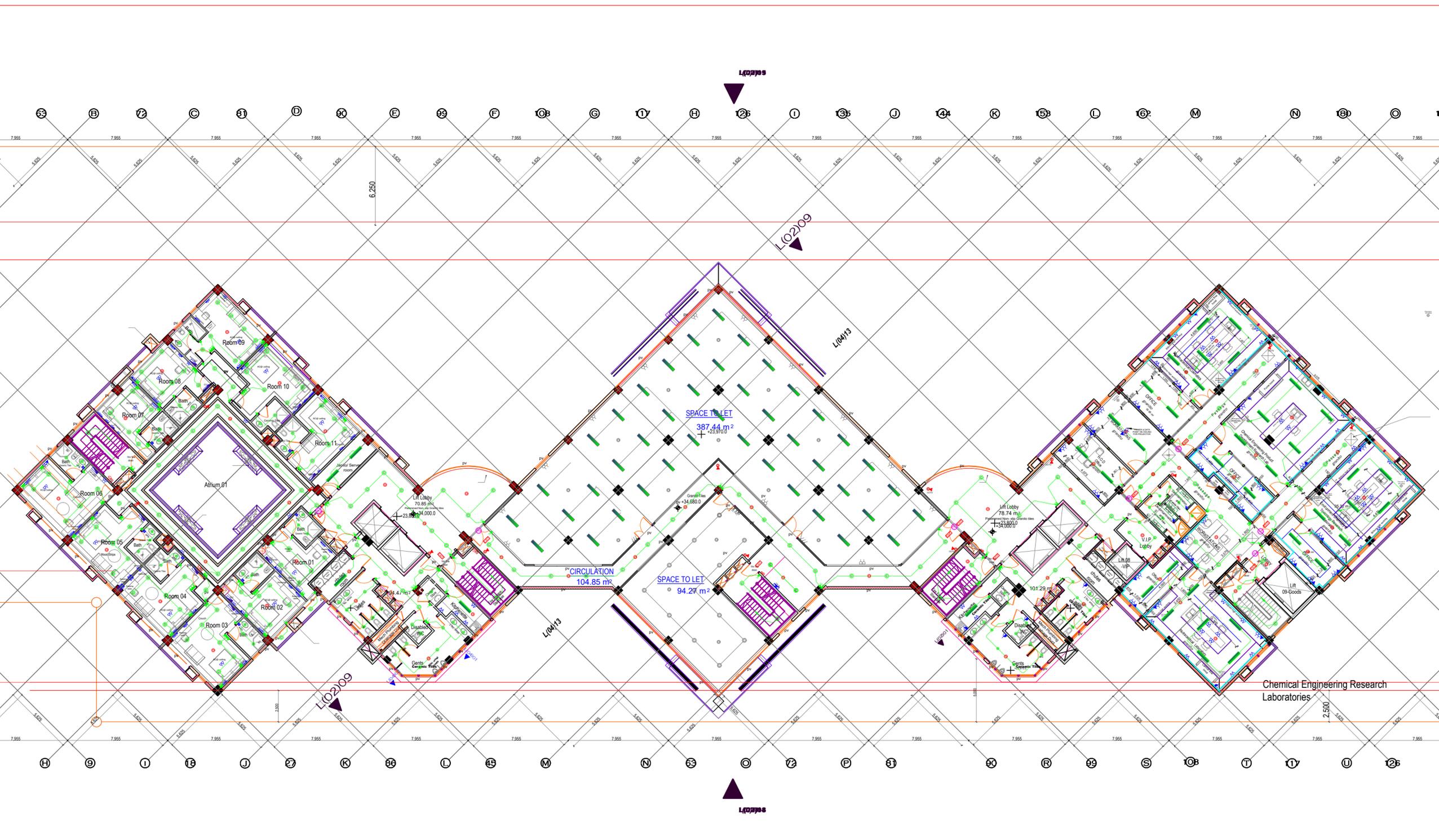
Discipline

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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

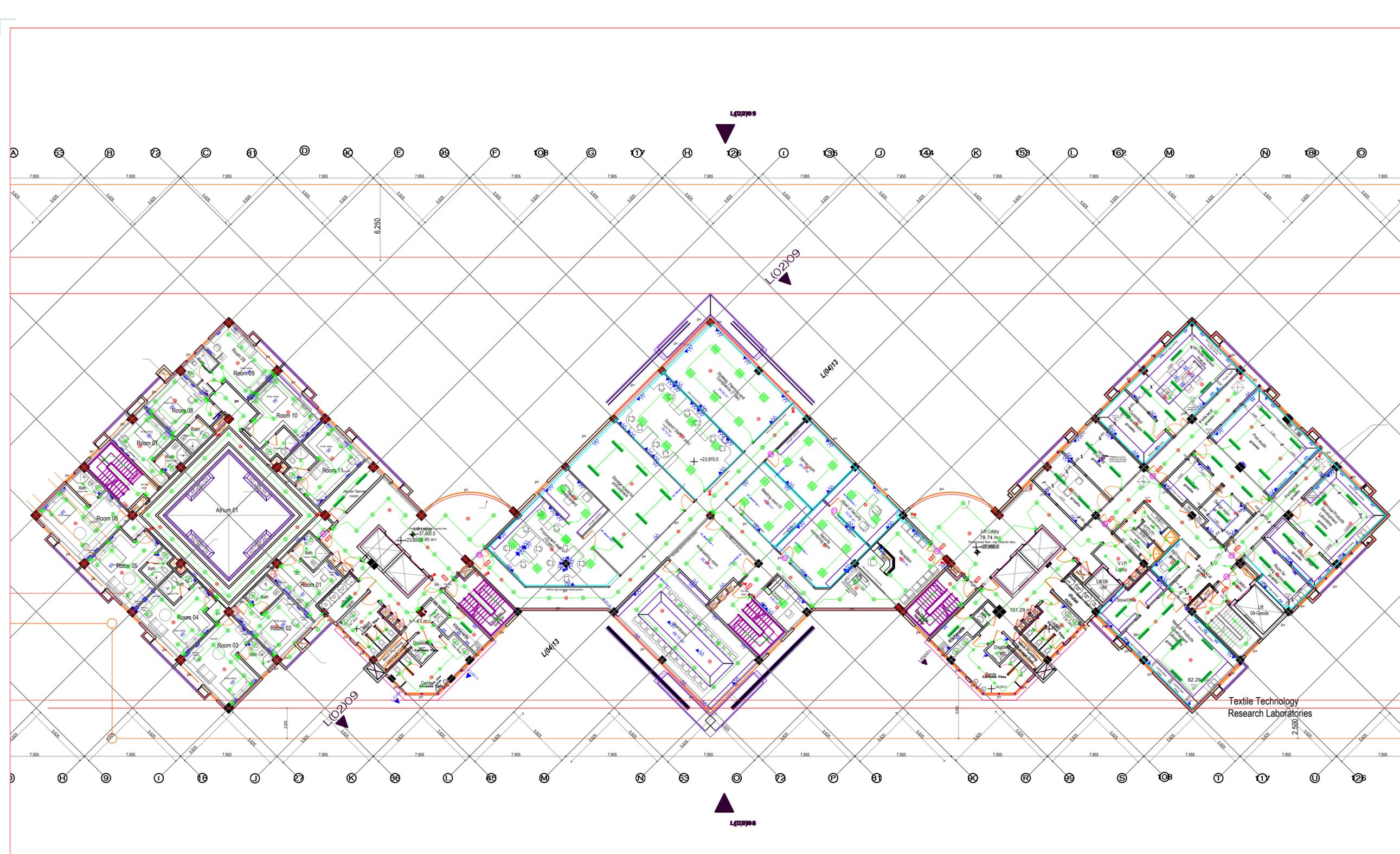
scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:

Dwg. no. 16 of 36



SEVENTH FLOOR ELECTRICAL



EIGHTH FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:
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Approved by:- _____ **Date:-** _____
 Chief Electrical & Mechanical Engineer (BS) Sign:- _____

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Consultant:
Architects
 **HABITECH CONSULTANTS**
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Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.
Electrical Engineers

 **GEDOX ASSOCIATES,**
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

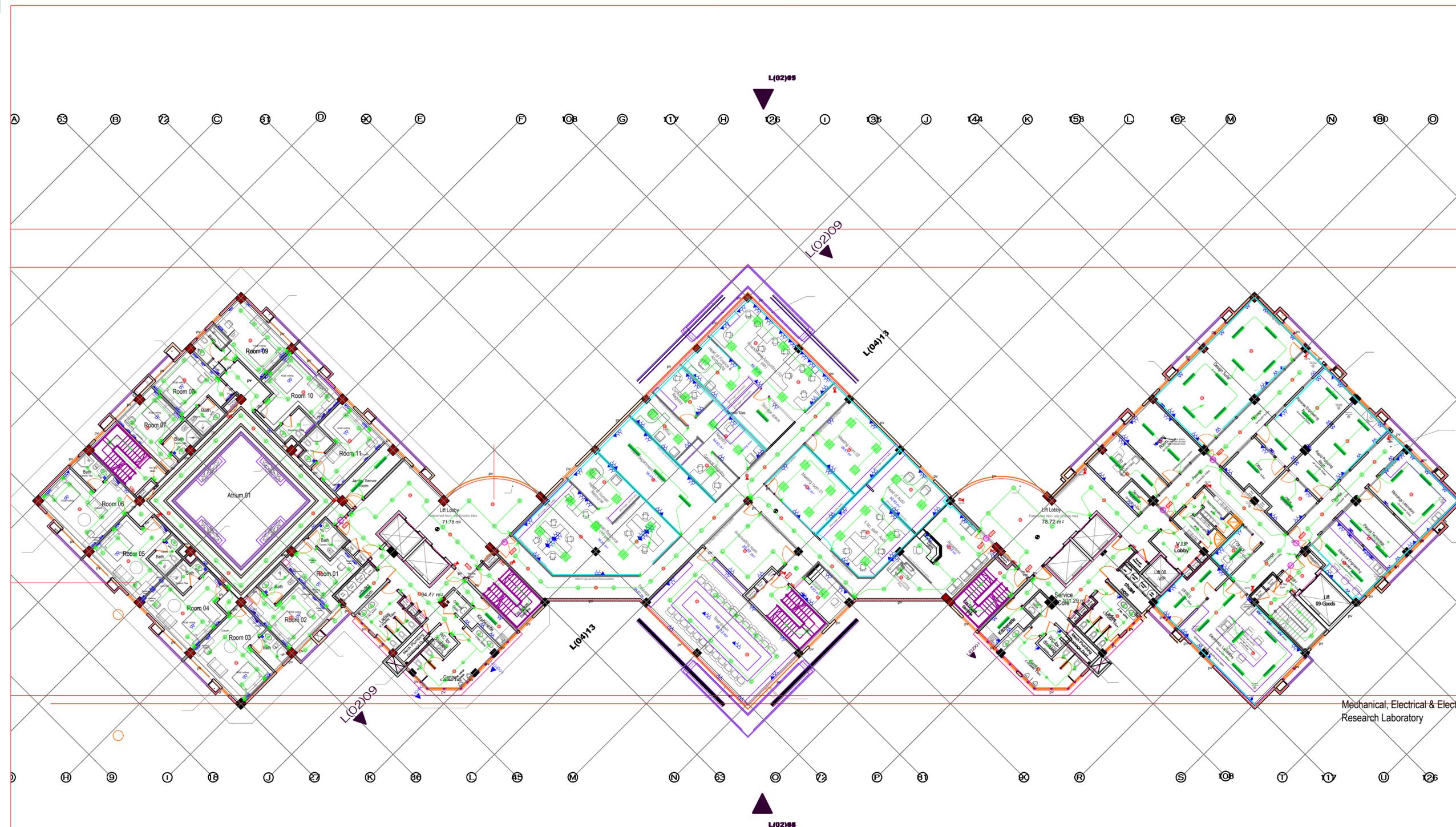
Subject
 8TH FLOOR ELECTRICAL INSTALLATION

Approved by:

Discipline	
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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by: _____
 Dwg. no. 17 of 36



NINTH FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



HABITECH CONSULTANTS
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 Civil & Structural Engineers

Multiscope Consulting Engineers Ltd,
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 Nairobi.
 Electrical Engineers



GEDOX ASSOCIATES,
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Subject
 9TH FLOOR ELECTRICAL INSTALLATION

Approved by:

Discipline	
<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:
 Dwg. no. 18 of 36

AMENDMENTS

No	Date	Revision

NOTES

All conditions must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
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 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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 DEVELOPMENT INSTITUTE
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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



Architects
HABITECH CONSULTANTS
 P.O. BOX 66495 - NAIROBI - KENYA
 TEL: 254 - 020 - 4449692/3

In association with

Quantity Surveyors
M & M Construction Consultants,
 P.O Box 4677 - 00506
 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O.BOX 12012 - 00100
 Nairobi.



Electrical Engineers
GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 10TH FLOOR ELECTRICAL
 INSTALLATION

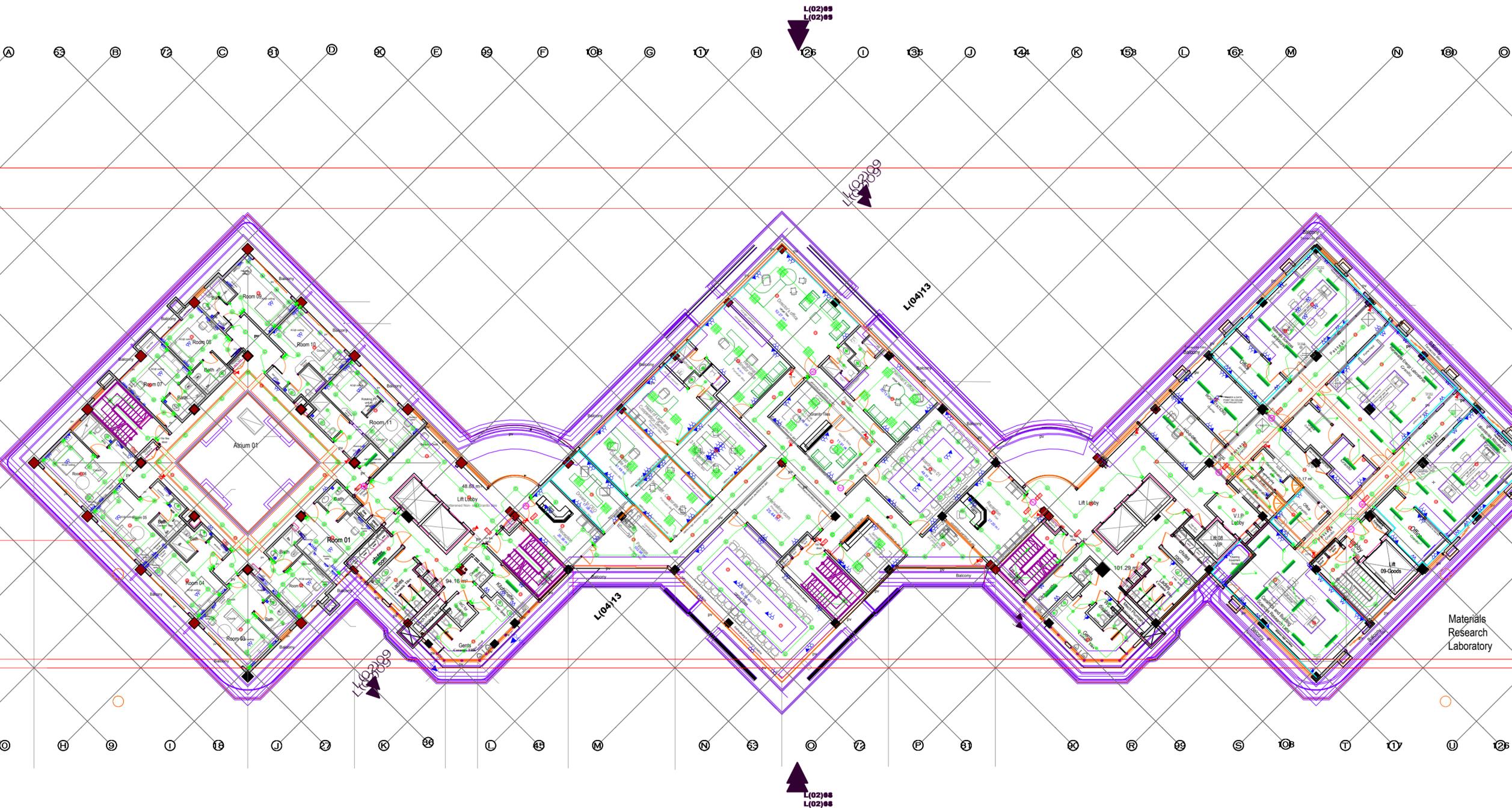
Approved by:

Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:



TENTH FLOOR ELECTRICAL

AMENDMENTS

No	Date	Revision

NOTES

All works must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND
 DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



HABITECH CONSULTANTS
 P.O. BOX 66495 - NAIROBI - KENYA
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Quantity Surveyors
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 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.



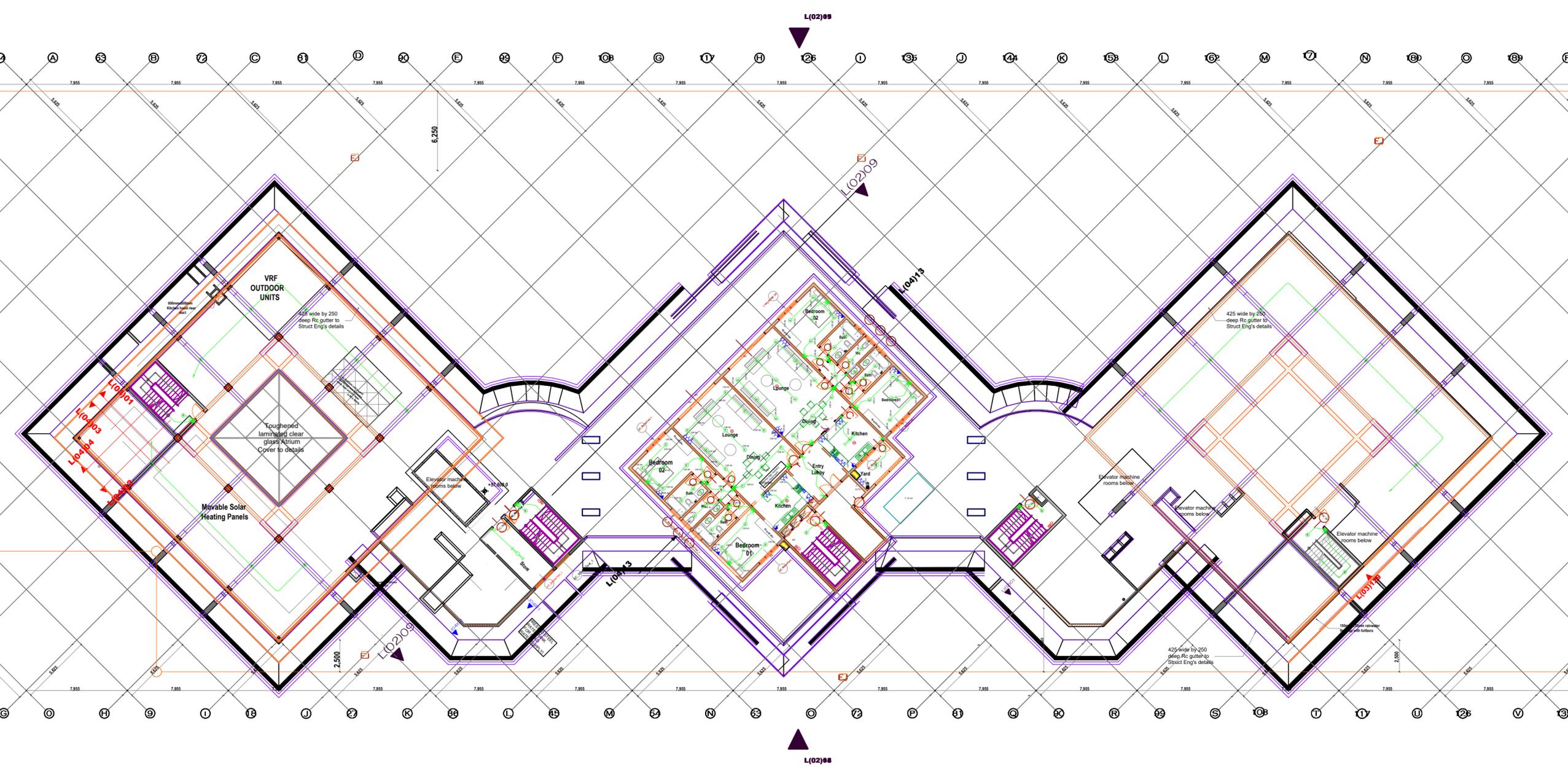
GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 ELEVENTH FLOOR

Discipline	
<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:
 Dwg. no. 20 of 36



ELEVENTH FLOOR ELECTRICAL LAYOUT

AMENDMENTS

No	Date	Revision

NOTES

All works must be laid before plastering.
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 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client: **KIRDI**
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)

MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant: **HABITECH CONSULTANTS**
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 TEL: 254 - 020 - 4449692/3

In association with: **Quantity Surveyors**
M & M Construction Consultants,
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 Nairobi.

Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.

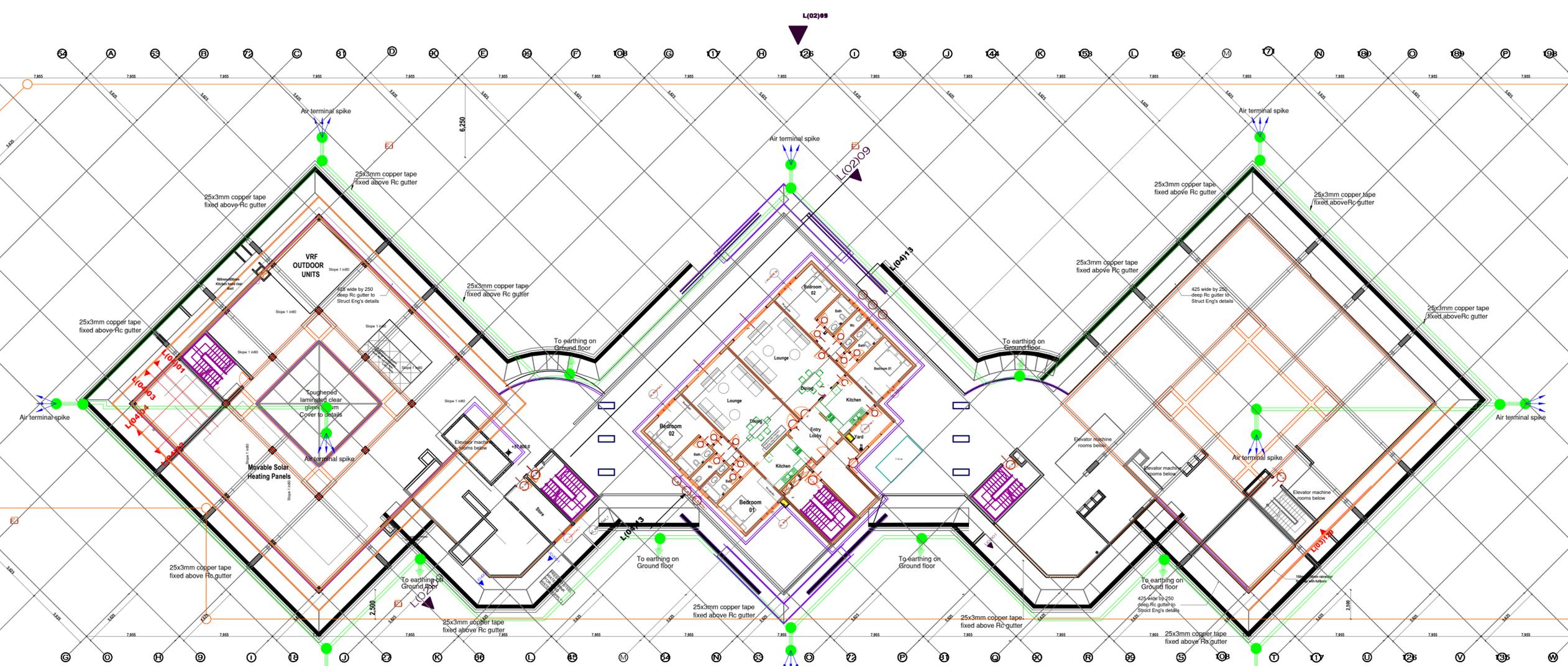
Electrical Engineers
GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject: **LIGHTNING ARRESTER**

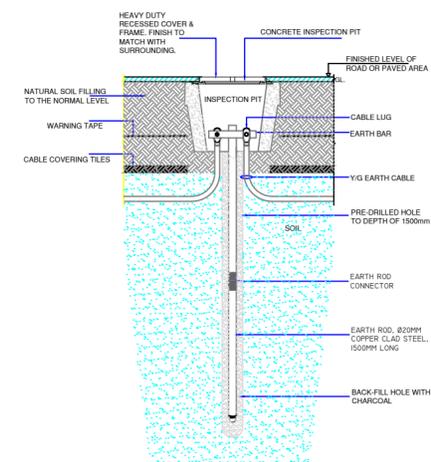
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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

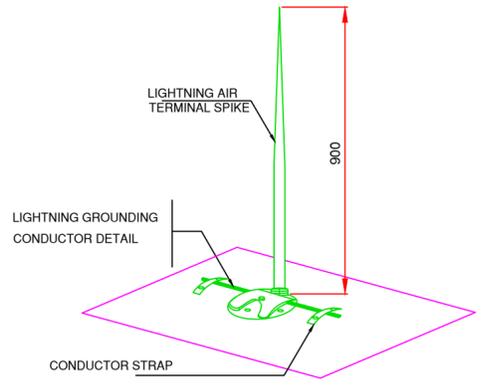
Approved by: _____
 Dwg. no. 21 of 36



ROOF LEVEL LIGHTNING ARRESTER



EARTH ELECTRODE INSPECTION PIT TYPICAL INSTALLATION DETAIL



LIGHTNING PROTECTION AIR TERMINAL GROUNDING SYSTEM

A M E N D M E N T S

No	Date	Revision

N O T E S

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)

Consultant

Architects
HABITECH CONSULTANTS
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Quantity Surveyors
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 Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O.BOX 12012 - 00100
 Nairobi.



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject

THIRD FLOOR PODIUM LEVEL SERVICES

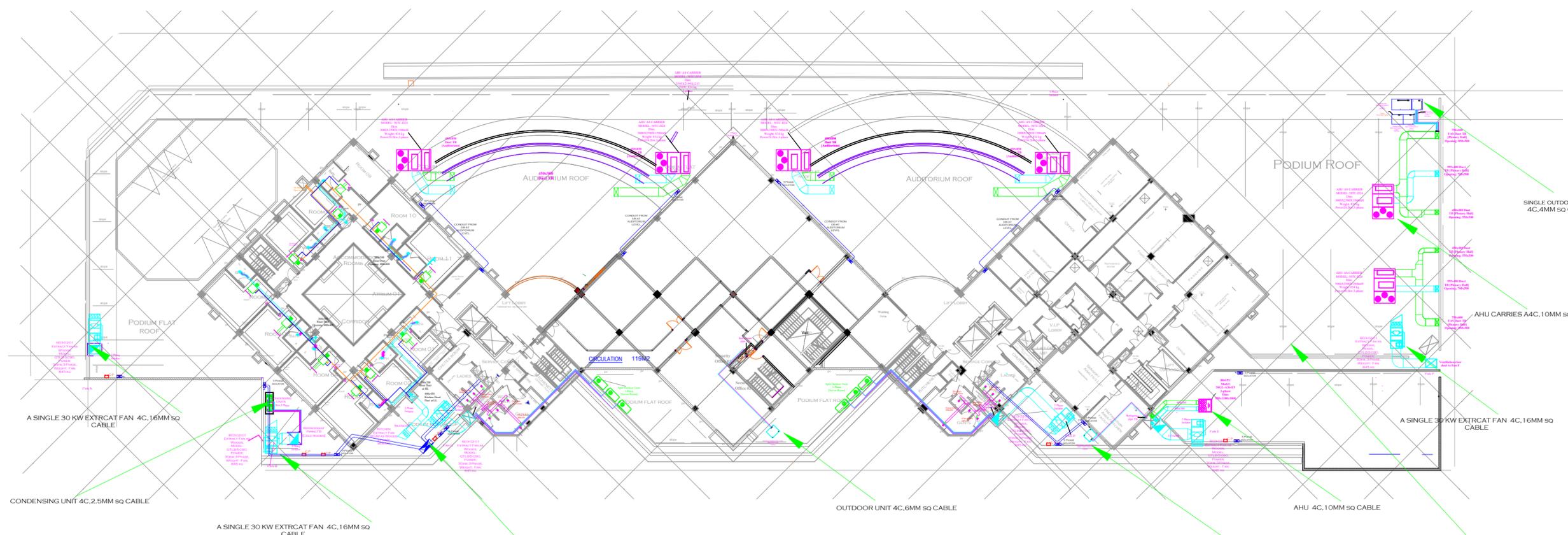
Discipline

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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:

Dwg. no. 22 of 36



PODIUM ROOF LEVEL SERVICES

WE NEED A CABLE 4C. 185MM sq CABLE COMING FROM THE DUCT TO THE DB

WE NEED A CABLE 4C. 185MM sq CABLE COMING FROM THE DUCT TO SERVE THESE EQUIPMENTS

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND
 DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)

Consultant:

Architects
HABITECH CONSULTANTS
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In association with

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 Nairobi.

Civil & Structural Engineers
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 P.O. BOX 12012 - 00100
 Nairobi.

Electrical Engineers

GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

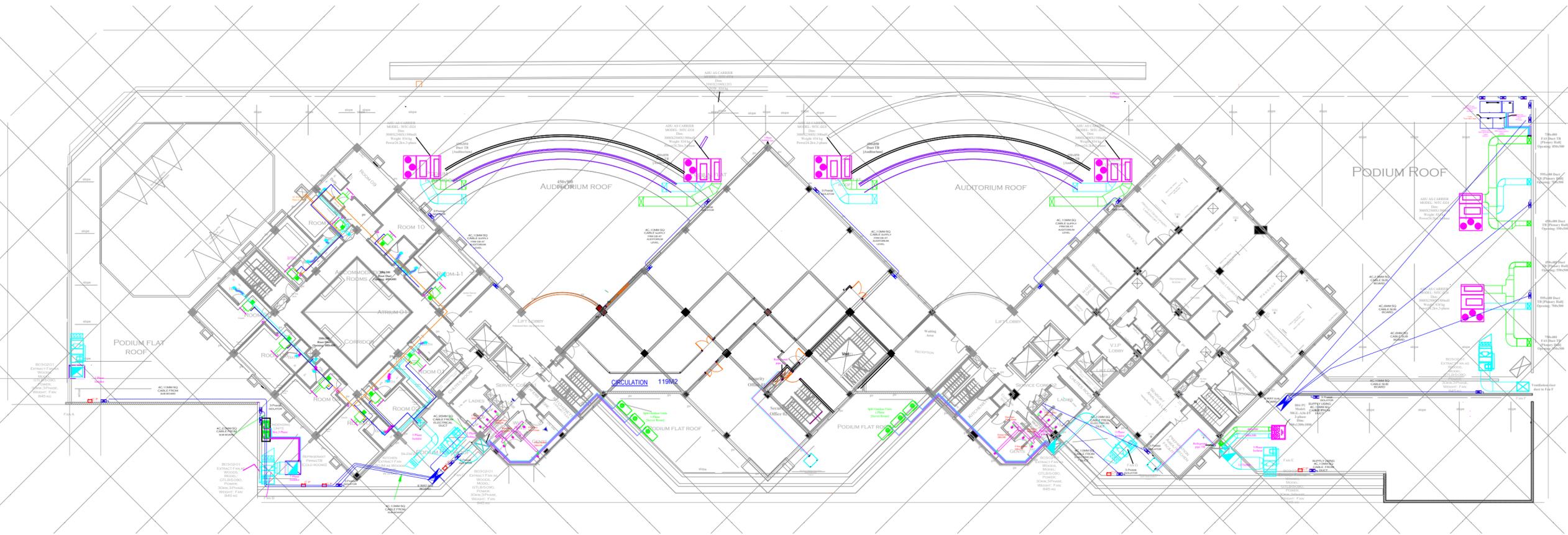
Subject
 THIRD FLOOR PODIUM LEVEL SERVICES

Discipline

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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by: _____
 Dwg. no. 23 of 36



PODIUM ROOF LEVEL SERVICES

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
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Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND
 DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)

Consultant

Architects
HABITECH CONSULTANTS
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 TEL: 254 - 020 - 4449692/3

In association with

Quantity Surveyors
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 Nairobi.

Civil&Structural Engineers
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 Nairobi.



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

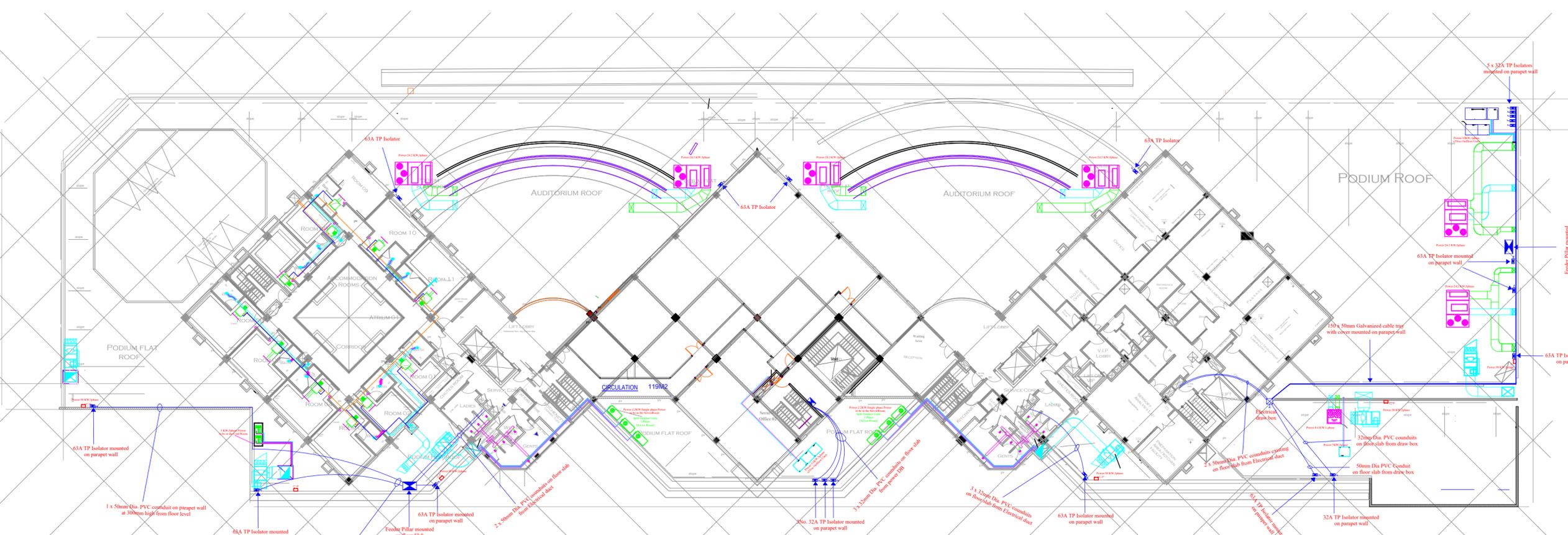
Subject
THIRD FLOOR PODIUM LEVEL SERVICES

Discipline

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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by ENG: GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG: GWJ
	MoPW

Approved by:
 Dwg. no. 24 of 36



AMENDMENTS

No	Date	Revision

NOTES

All works must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND
 DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Eng. W.R. Okubo OGW
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



Architects
HABITECH CONSULTANTS
 P.O. BOX 66495 - NAIROBI - KENYA
 TEL: 254 - 020 - 4449692/3

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M & M Construction Consultants,
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 Nairobi.
 Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.
 Electrical Engineers



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 ROOF LEVEL SERVICES

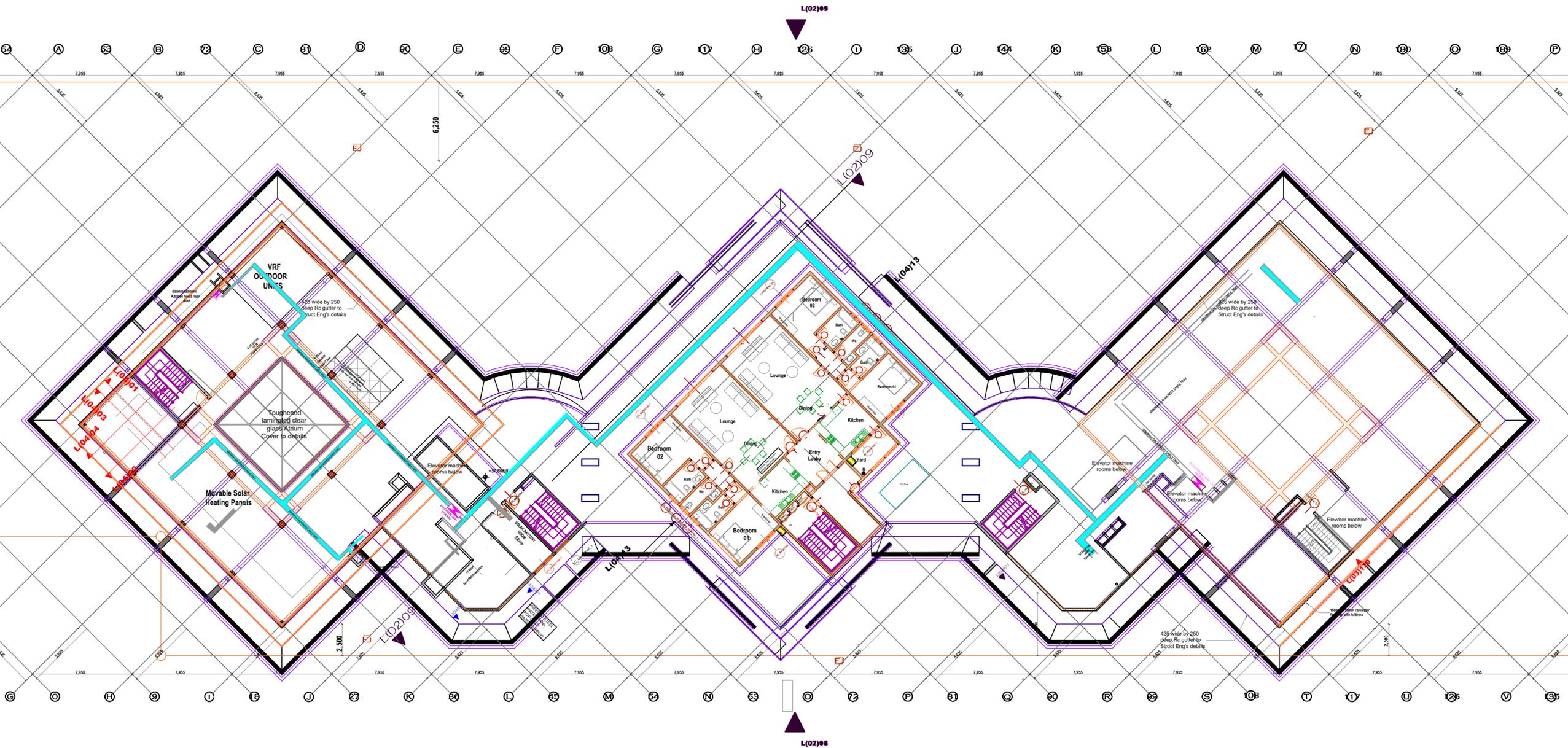
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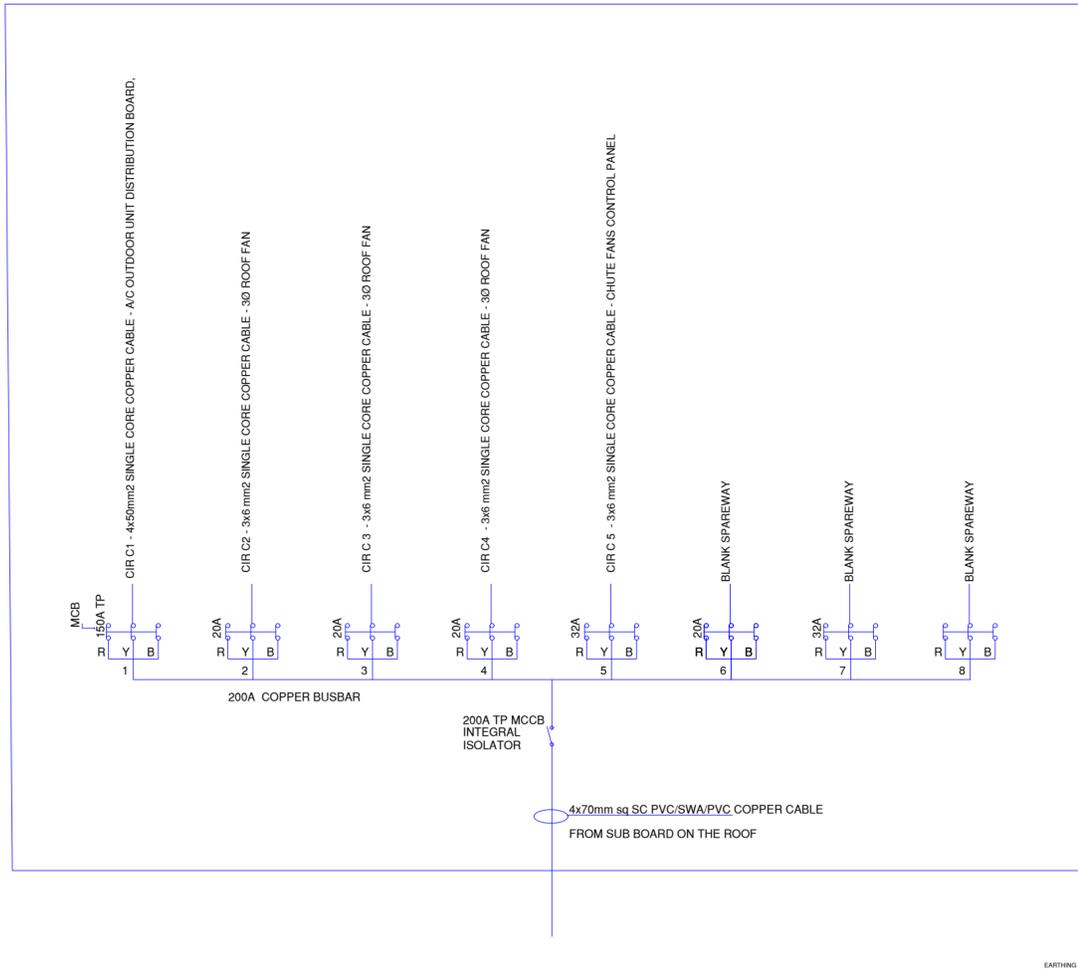
scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:

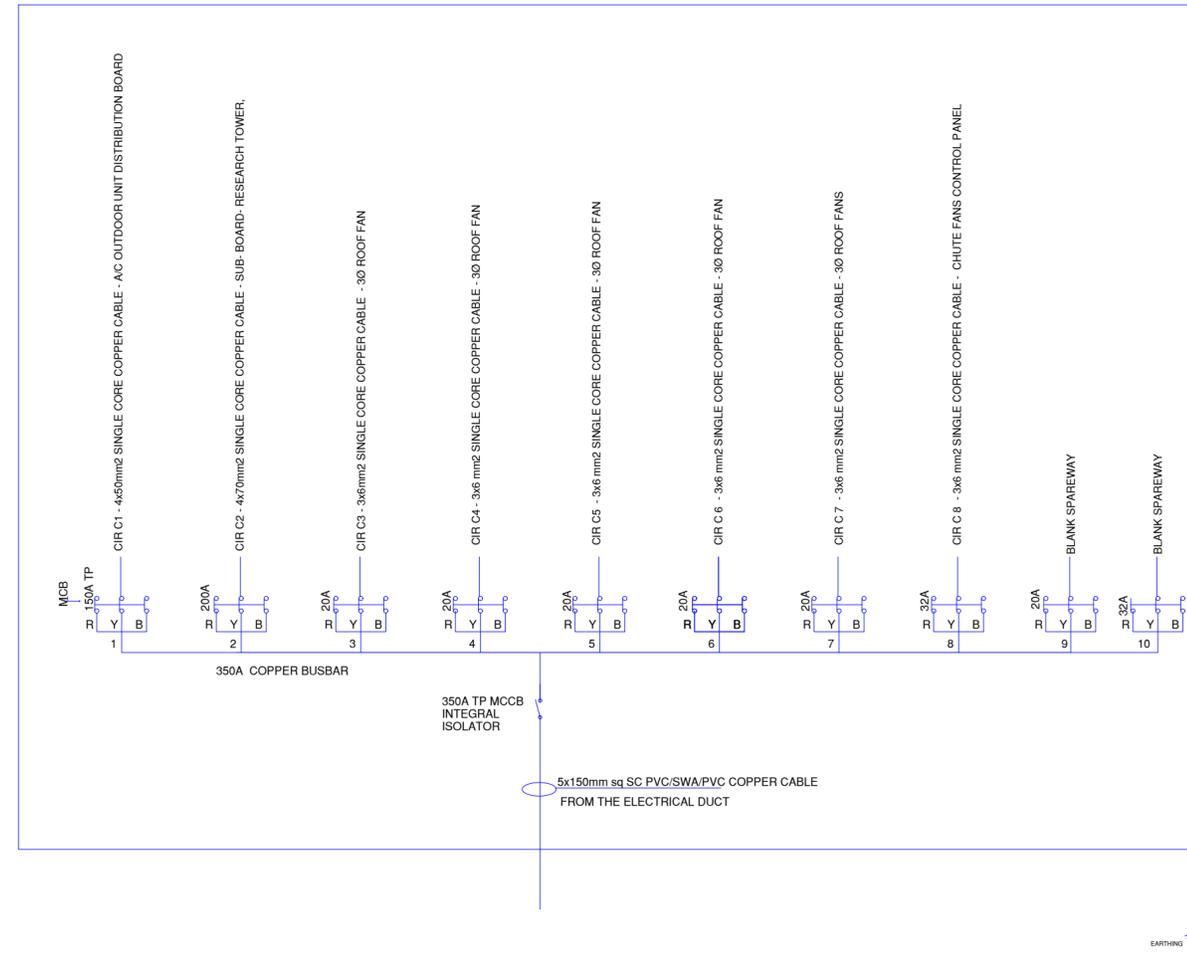
Dwg. no. 25 of 36



ROOF LEVEL SERVICES



**LV SUB BOARD ON RESEARCH
TOWER ROOF LEVEL**



**LV SUB BOARD ON ACCOMODATION
TOWER ROOF LEVEL**

A M E N D M E N T S

No	Date	Revision

N O T E S

All conduits must be laid before plastering.
All Electrical works must be co-ordinated with mechanical works.
Any conflicts must be clarified before work begins.
To be read with other related drawings.

Project:
THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
P.O. BOX 30650 - 00100 - NAIROBI - KENYA
TEL: 254 - 020 - 535966, 535984/90

Approved by:-
Date:-
Sign:-
Chief Electrical & Mechanical Engineer (BS)



MINISTRY OF PUBLIC WORKS.
ELECTRICAL & MECHANICAL DEPARTMENT (BS)
FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant



HABITECH CONSULTANTS
P.O. BOX 66495 - NAIROBI - KENYA
TEL: 254 - 020 - 4449692/3

In association with

Quantity Surveyors
M & M Construction Consultants,
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Nairobi.

Civil&Structural Engineers
Multiscope Consulting Engineers Ltd,
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Nairobi.



GEDOX ASSOCIATES,
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TEL/FAX : 254-02-2636000

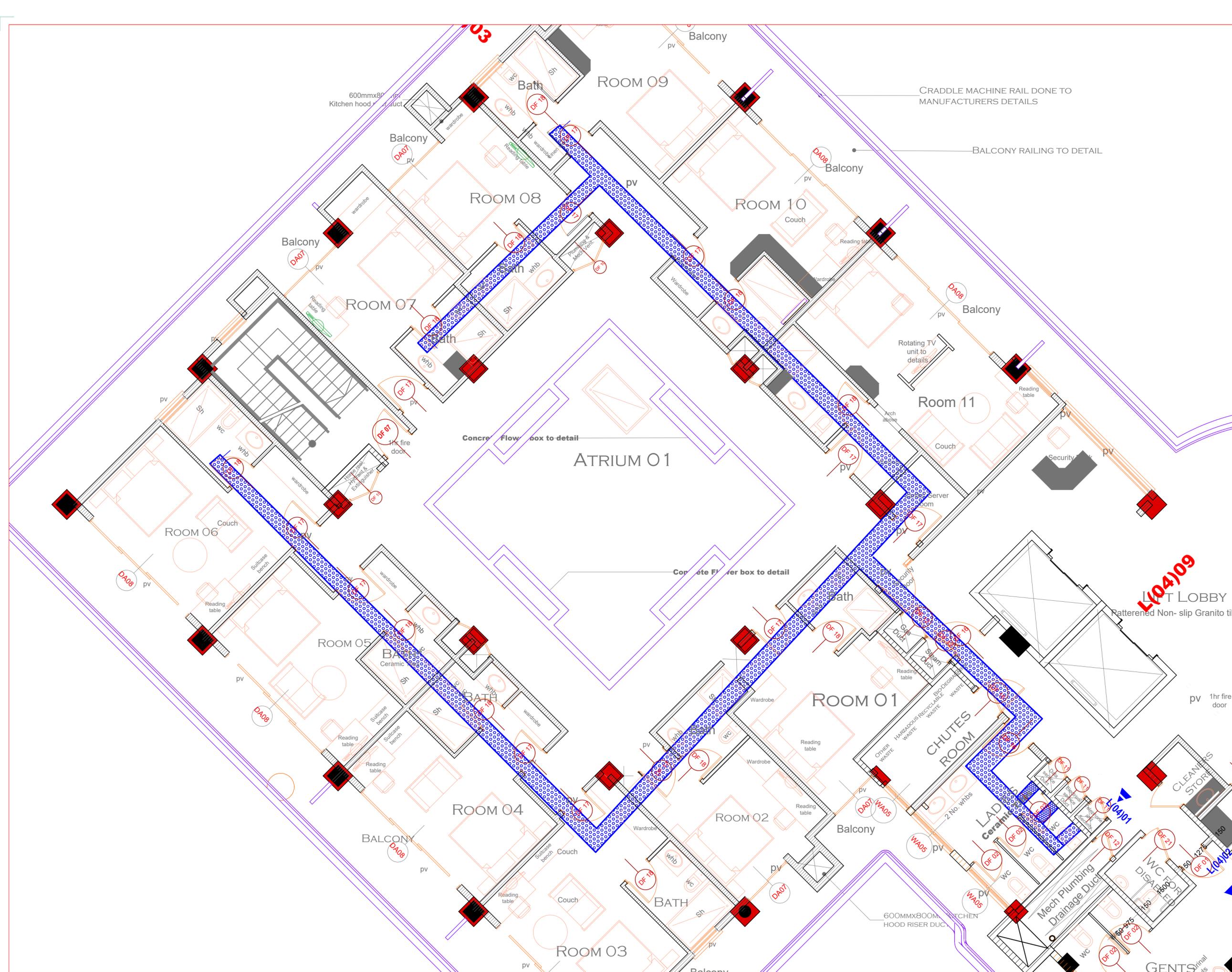
Subject
DISTRIBUTION BOARDS ON THE ROOF

Discipline

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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: NTS	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by:
Dwg. no. 26 of 36



AMENDMENTS		
No	Date	Revision

NOTES		
<p>All conditions must be laid before plastering.</p> <p>All Electrical works must be co-ordinated with mechanical works.</p> <p>Any conflicts must be clarified before work begins.</p> <p>To be read with other related drawings.</p>		

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:

KIRDI
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)

MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant

HABITECH CONSULTANTS
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In association with

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M & M Construction Consultants,
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 Nairobi.
 Civil & Structural Engineers

Multiscope Consulting Engineers Ltd,
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 Nairobi.
 Electrical Engineers

GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

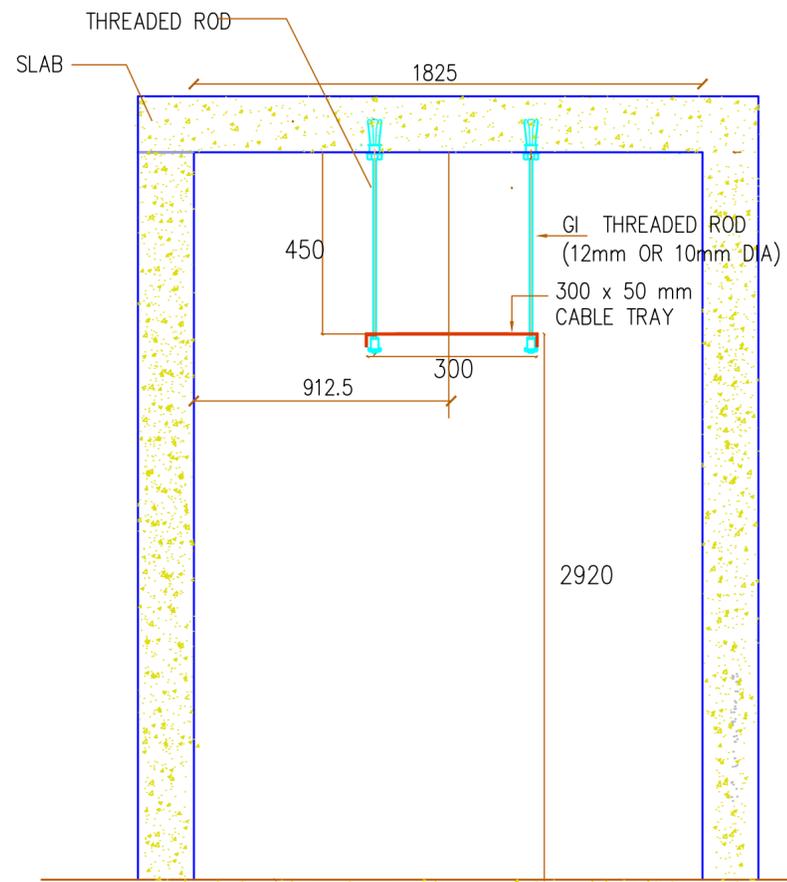
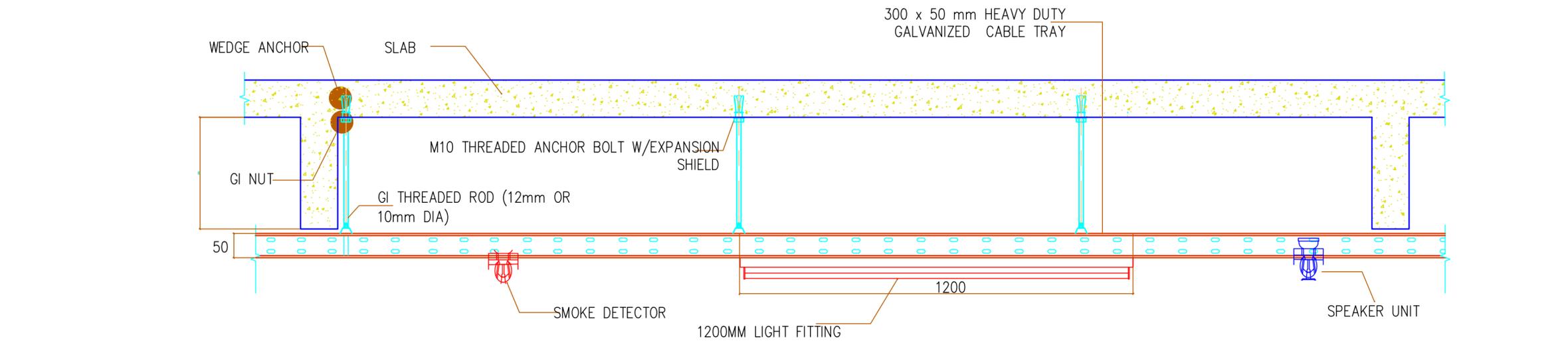
Subject
 TYPICAL FLOOR 200 MM X 50 MM GALVANIZED CABLE TRAY INSTALLATION ROUTE

Discipline		
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<input type="checkbox"/> Structural	<input type="checkbox"/> Civil	
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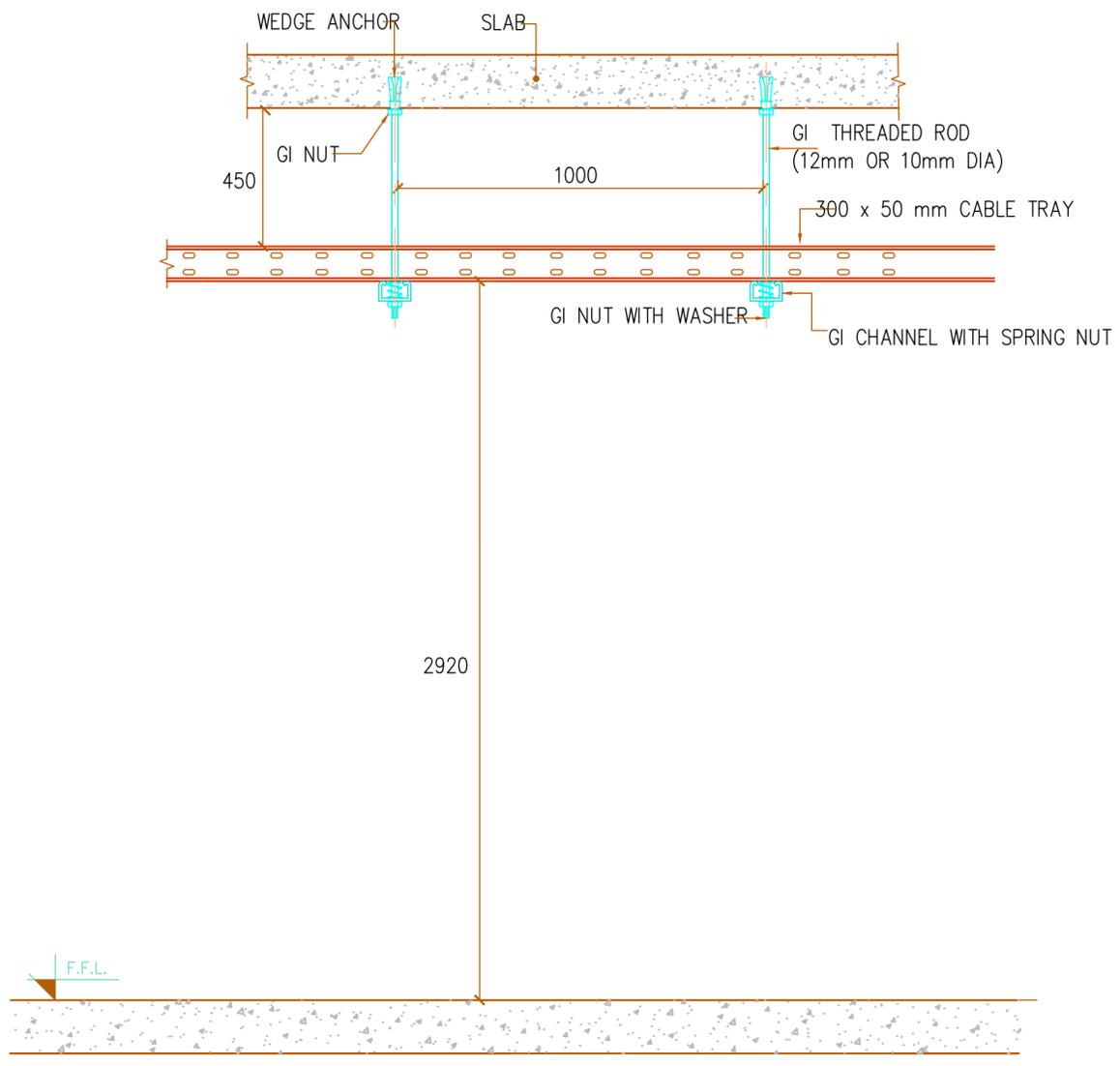
scale: 1:100	designed by	ENG. GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG. GWJ
		MoPW

Approved by: _____

Dwg. no. 27 of 36



ALL DIMENSIONS IN MM



AMENDMENTS

No	Date	Revision

NOTES

All conditions must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
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 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



KIRDI
 KENYA INDUSTRIAL RESEARCH AND
 DEVELOPMENT INSTITUTE
 P.O. BOX 30650 - 00100 - NAIROBI - KENYA
 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)

Consultant

Architects
HABITECH CONSULTANTS
 P.O. BOX 66495 - NAIROBI - KENYA
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Quantity Surveyors
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 Nairobi.

Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
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 Nairobi.



GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 LABORATORY TOWER CABLE
 TRAY INSTALLATION

Approved by:

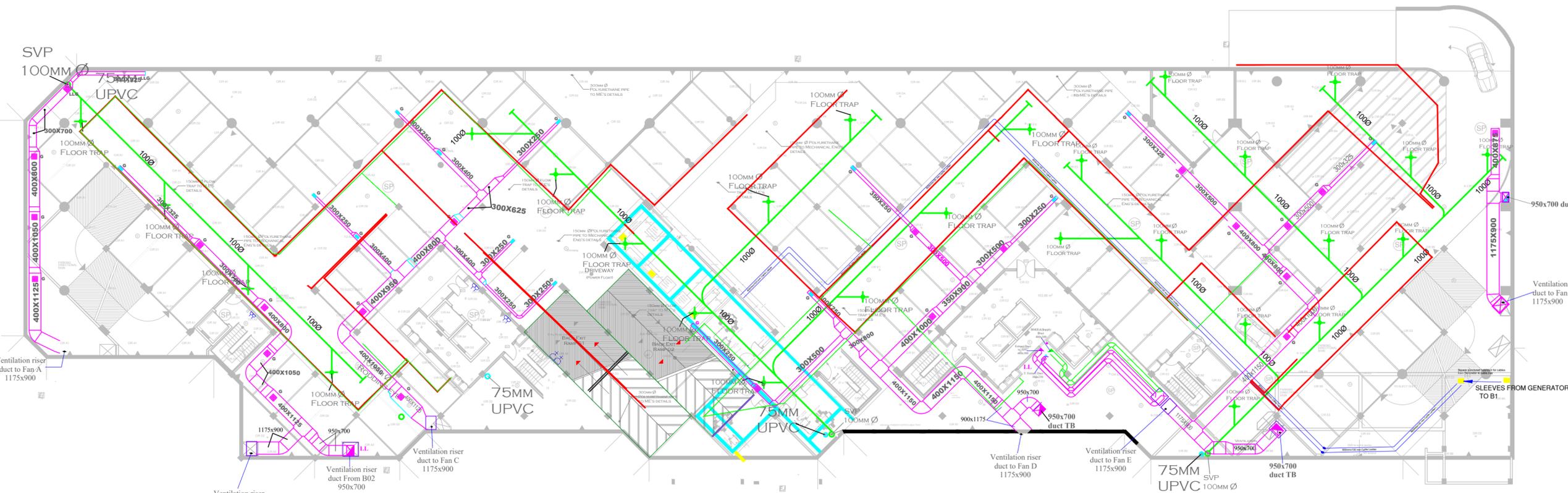
Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: NTS	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Revision:

Dwg. no. 29 of 36



BASEMENT 01 SERVICES

- ELECTRICAL BUSBAR
- 900 MM x 200 MM POWDER COATED CABLE LADDER
- 600 MM x 100 MM POWDER COATED CABLE LADDER FROM GENERATOR ROOM
- 600 MM x 450 MM SLEEVE FROM THE SWITCHROOM ON BASEMENT 01 TO BASEMENT 02 BELOW

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED DEVELOPMENT OF RESEARCH TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE, DUNGA ROAD, SOUTH 'B' NAIROBI.



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Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant

Architects
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 Civil & Structural Engineers

Multiscope Consulting Engineers Ltd,
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 Nairobi.
 Electrical Engineers



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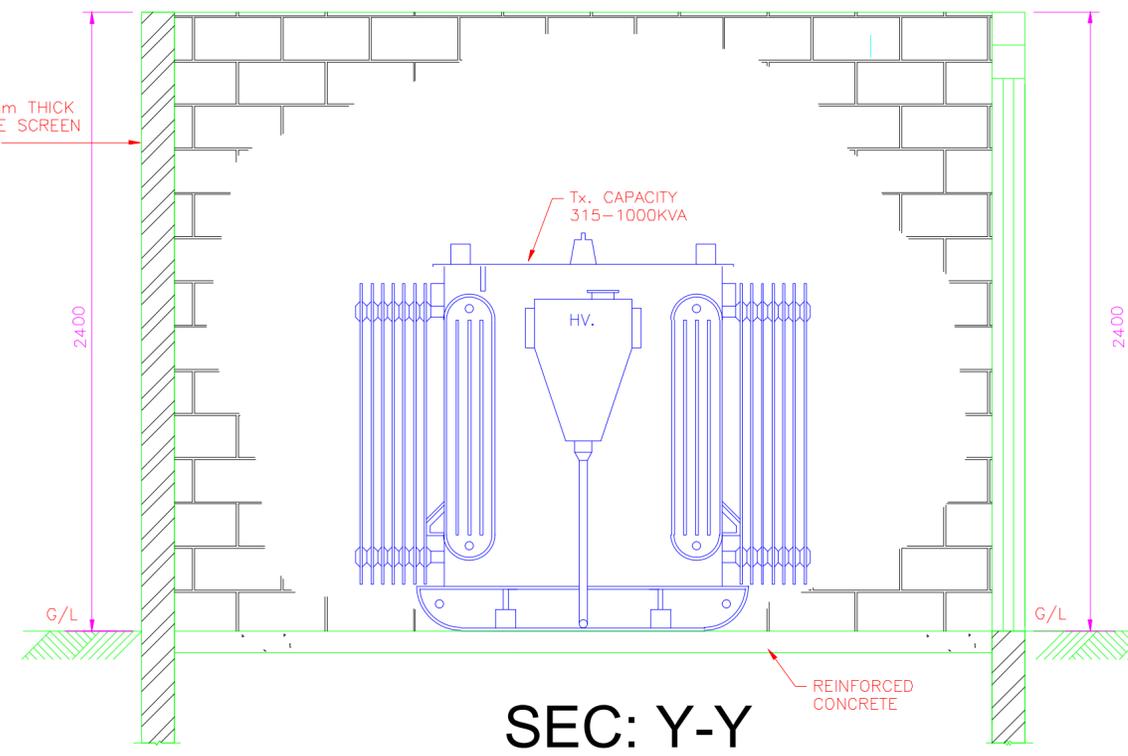
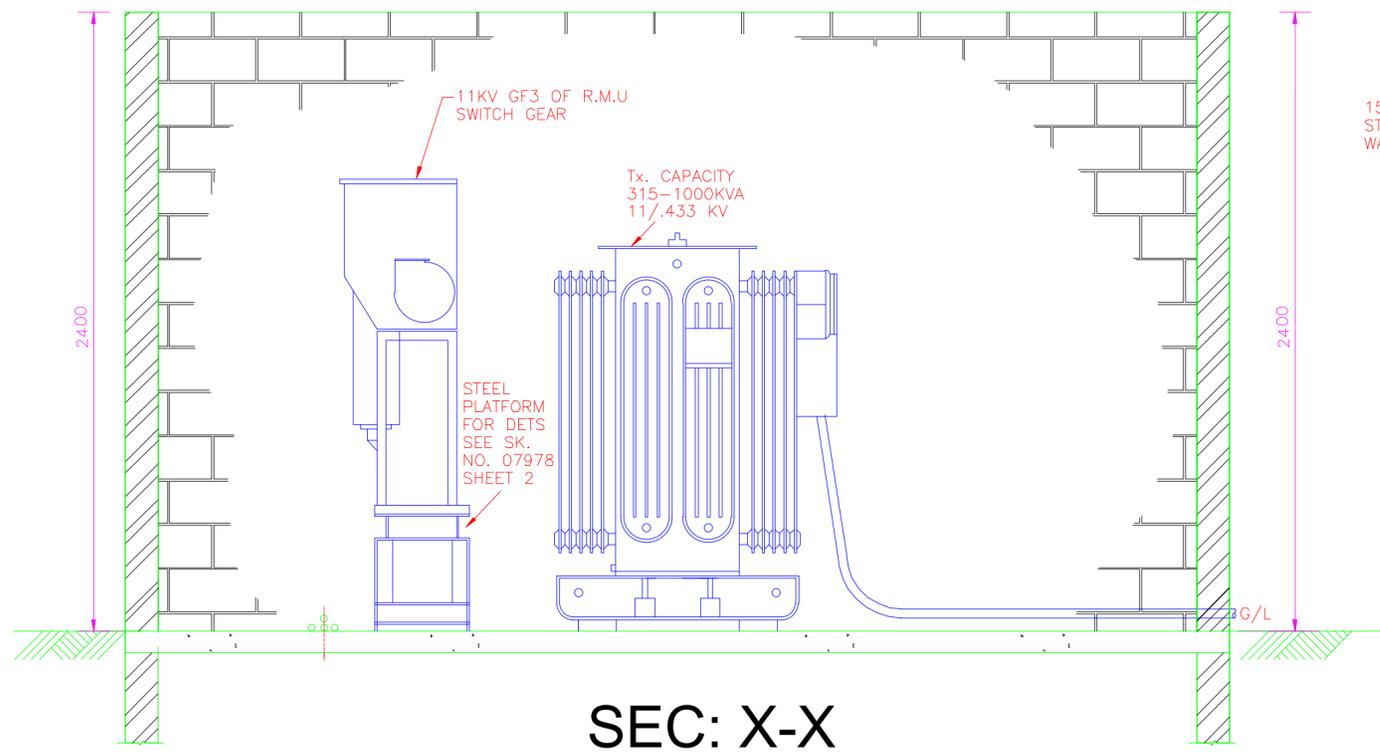
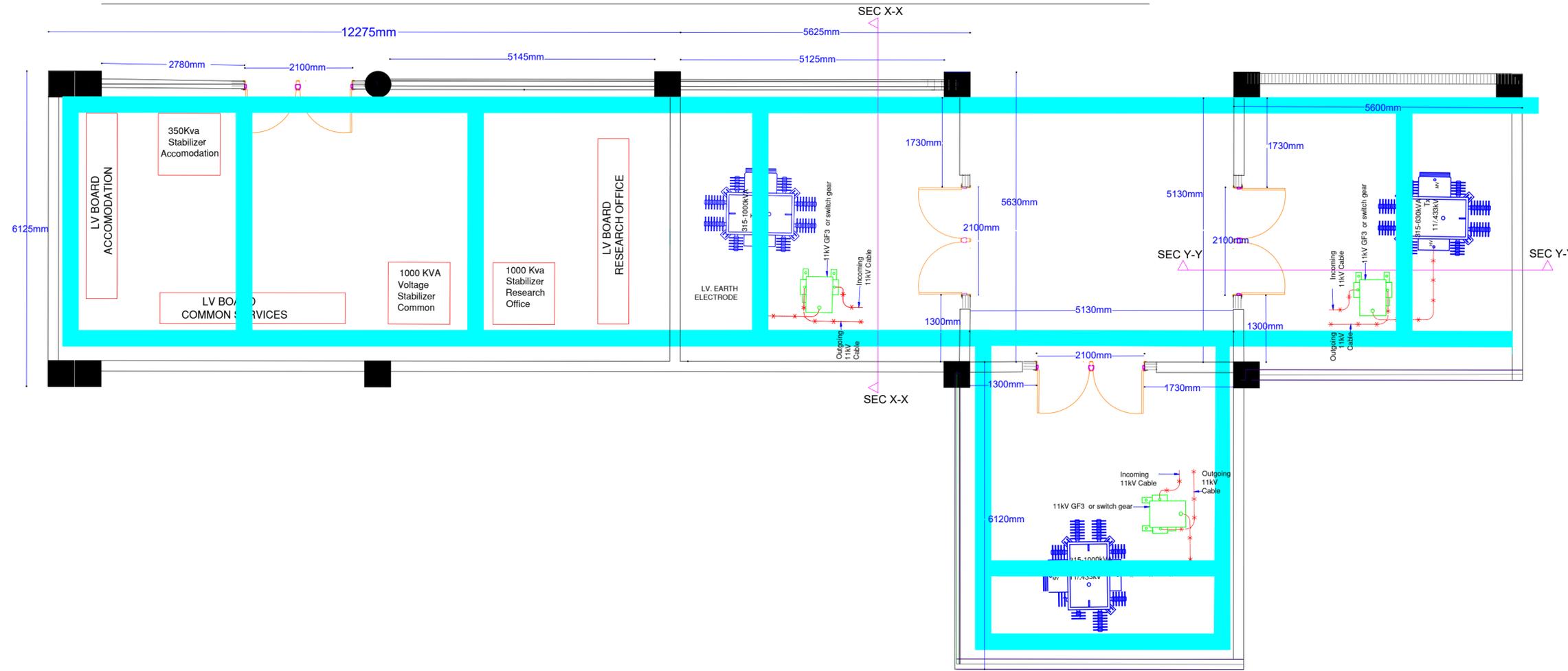
Subject
 BASEMENT 01 SERVICES

Discipline	
<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

Approved by:
 Dwg. no. 30 of 36

PROPOSED TRANSFORMER & SWITCHROOM LAYOUT



AMENDMENTS		
No	Date	Revision
NOTES		
<p>All conditions must be laid before plastering. All Electrical works must be co-ordinated with mechanical works. Any conflicts must be clarified before work begins. To be read with other related drawings.</p>		
<p>Project: THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI</p>		
<p>Client:  KIRDI KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE P.O. BOX 30650 - 00100 - NAIROBI - KENYA TEL: 254 - 020 - 535966, 535984/90</p>		
<p>Approved by:- Chief Electrical & Mechanical Engineer (BS)</p>		<p>Date:- Sign:-</p>
<p> MINISTRY OF PUBLIC WORKS. ELECTRICAL & MECHANICAL DEPARTMENT (BS) FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA</p>		
<p>Consultant:  HABITECH CONSULTANTS P.O. BOX 66495 - NAIROBI - KENYA TEL: 254 - 020 - 4449692/3</p>		
<p>In association with: Quantity Surveyors M & M Construction Consultants, P.O. Box 4677 - 00506 Nairobi. Civil & Structural Engineers Multiscope Consulting Engineers Ltd, P.O. BOX 12012 - 00100 Nairobi. Electrical Engineers  GEDOX ASSOCIATES, P.O. BOX 64441-00620, NAIROBI - KENYA TEL/FAX : 254-02-2636000</p>		
<p>Subject TRANSFORMER & SWITCHROOM LAYOUT</p>		
<p>Discipline <input type="checkbox"/> Architectural <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Structural <input type="checkbox"/> Civil <input type="checkbox"/> Mechanical <input type="checkbox"/> Other Discipline</p>		
<p>scale: NTS</p>	<p>designed by ENG. GWJ</p>	<p>drawn by LAO</p>
<p>date: September, 2025</p>	<p>checked by ENG. GWJ</p>	<p>project no: E012/15</p>
<p>Approved by:</p>		
<p>Dwg. no. 31 of 36</p>		

PROPOSED TRANSFORMER & SWITCHROOM LOCATION ON BASEMENT 01



AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE
 PROPOSED RESEARCH, TECHNOLOGY AND
 INNOVATION LABORATORIES AND RELATED
 INFRASTRUCTURE ON PLOT L.R. NO. 209/5811,
 DUNGA ROAD, SOUTH ' B', NAIROBI

Client:

KIRDI
 KENYA INDUSTRIAL RESEARCH AND
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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-


MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant
 Architects

HABITECH CONSULTANTS
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M & M Construction Consultants,
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 Nairobi.
 Civil & Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.
 Electrical Engineers


GEDOX ASSOCIATES,
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject
 TRANSFORMER & SWITCHROOM LOCATION

Discipline
 Architectural Electrical
 Structural Civil
 Mechanical Other Discipline

scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:
 Dwg. no. 32 of 36

PROPOSED CABLE TRAY ROUTING IN TRANSFORMER & SWITCHROOM



- ELECTRICAL BUSBAR
- 900 MM x 200 MM POWDER COATED CABLE LADDER
- 600 MM x 100 MM POWDER COATED CABLE LADDER FROM GENERATOR ROOM
- 600 MM x 450 MM SLEEVE FROM THE SWITCHROOM ON BASEMENT 01 TO BASEMENT 02 BELOW

AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:
 **KIRDI**
 KENYA INDUSTRIAL RESEARCH AND DEVELOPMENT INSTITUTE
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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-

 **MINISTRY OF PUBLIC WORKS.**
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant:
 Architects
 **HABITECH CONSULTANTS**
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 Civil/Structural Engineers
Multiscope Consulting Engineers Ltd,
 P.O. BOX 12012 - 00100
 Nairobi.
 Electrical Engineers

 **GEDOX ASSOCIATES,**
 P.O. BOX 64441-00620, NAIROBI - KENYA
 TEL/FAX : 254-02-2636000

Subject:
 CABLE ROUTING

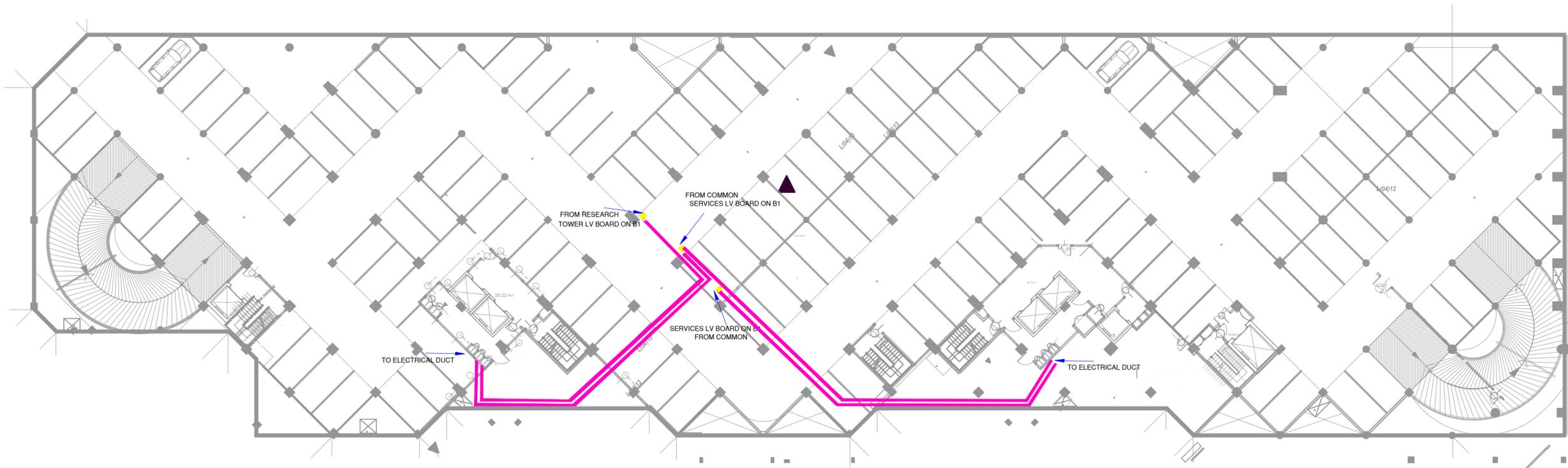
Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

Approved by:
 Dwg. no. 33 of 36

PROPOSED BUSBAR ROUTING ON BASEMENT 02



- ELECTRICAL BUSBAR
- 900 MM x 200 MM POWDER COATED CABLE LADDER
- 600 MM x 100 MM OVERHEAD POWDER COATED CABLE LADDER
- 600 MM x 450 MM SLEEVE FROM THE SWITCHROOM ON BASEMENT 01 TO BASEMENT 02 BELOW

AMENDMENTS

No	Date	Revision
Jan		Revised January 2014
Oct		Revised October 2014
Nov		Revised November 2014
Jan		Revised January 2020

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH 'B', NAIROBI

Client:



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 TEL: 254 - 020 - 535966, 535984/90

Approved by:-
 Chief Electrical & Mechanical Engineer (BS)

Date:-
 Sign:-



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Consultant

Architects
HABITECH CONSULTANTS
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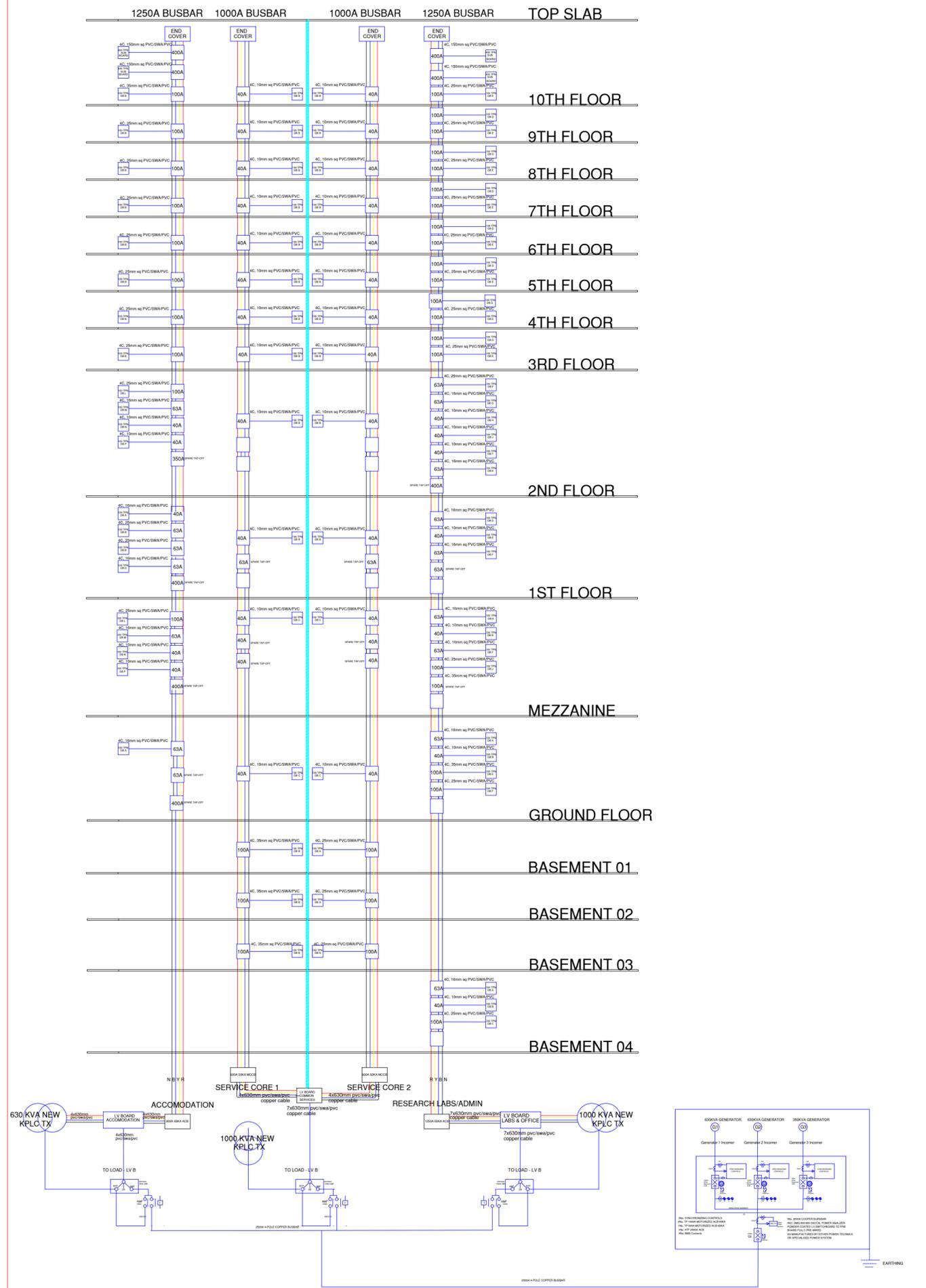
Subject
 BUSBAR ROUTING

- Discipline**
- Architectural
 - Structural
 - Mechanical
 - Electrical
 - Civil
 - Other Discipline

scale: 1:250	designed by	ENG: GWJ
date: September, 2025	drawn by	LAO
project no: E012/15	checked by	ENG: GWJ
		MoPW

Approved by:
 Dwg. no. 34 of 36

MAINS POWER RETICULATION - RISING BUSBARS



AMENDMENTS

No	Date	Revision

NOTES

All conduits must be laid before plastering.
 All Electrical works must be co-ordinated with mechanical works.
 Any conflicts must be clarified before work begins.
 To be read with other related drawings.

Project:
 THE PROPOSED PHASE 2 WORKS FOR THE PROPOSED RESEARCH, TECHNOLOGY AND INNOVATION LABORATORIES AND RELATED INFRASTRUCTURE ON PLOT L.R. NO. 209/5811, DUNGA ROAD, SOUTH ' B', NAIROBI

Client:



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Approved by: _____ Date: _____
 Sign: _____
 Chief Electrical & Mechanical Engineer (BS)



MINISTRY OF PUBLIC WORKS.
 ELECTRICAL & MECHANICAL DEPARTMENT (BS)
 FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Consultant:



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Civil & Structural Engineers
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 Nairobi.



GEDOX ASSOCIATES,
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 TEL/FAX : 254-02-2636000

Subject

MAINS POWER RETICULATION- RISING BUSBARS

Discipline

<input type="checkbox"/> Architectural	<input checked="" type="checkbox"/> Electrical
<input type="checkbox"/> Structural	<input type="checkbox"/> Civil
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other Discipline

scale: 1:250	designed by: ENG. GWJ
date: September, 2025	drawn by: LAO
project no: E012/15	checked by: ENG. GWJ
	MoPW

Approved by: _____
 Dwg. no. 35 of 36

	LEGEND	MANUFACTURERS CAT No.	MOUNTING HEIGHT
	600mm, 4x18w FLOURESCENT FITTING WITH CAT2 MIRROR BRIGHT LOUVERS	THORN FTB418LCat2MB	CEILING
	HORIZONTAL LOW ENERGY DOWNLIGHT	FITZGERALD UFO C/F 455	CEILING
	SHALLOW DOWNLIGHT FOR 2X18W COMPACT FLUORESCENT FITTING	THORN SWING 100 SGF218	CEILING
	SURFACE MOUNTED CEILING LIGHT AS THORN GLORIE	THORN	CEILING
	SURFACE MOUNTED WALL BRACKET/POSTER LIGHT WITH ENERGY SAVING LAMP	THORN WSTR118W	2100mm
	MELLOW LIHGT CEILING LUMINAIRE FOR 18W TC-TEL COMPACT FLOURESCENT WITH SOFT TABULAR SHAPE AND BRUSHED STAINLESS STEEL FIXINGS AS THORN GARBO CEILING	THORN GARBO	CEILING
	ELEGANT CHANDELIER LUMINAIRE FOR 36W TC-F COMPACT FLOURESCENT LAMPS WITH 3 SHADES	THORN J121685	CEILING
	GINO WALL MOUNTED LUMINAIRE FOR USE WITH 50W LOW VOLTAGE CAPSULE LAMP	THORN J142017	
	1200mm, 1x36w SINGLE BATTEN FLOURESCENT FITTING	THORN PP 136	CEILING
	1200mm, 1X36W WATER PROOF SINGLE FLOURESCENT FITTING	THORN LUES 136	CEILING
	ENCLOSED IP65 VANDAL RESISTANT WALL MOUTING LUMINAIRE FOR 50W HME HIGH PRESSURE MERCURY	THORN PZL50M	RING BEAM
	CEILING MOUTED TRACK LIGHT FITTING	THORN	CEILING
	ATTRACTIVE WALL UPLIGHT FOR 70W MASTERCOLOUR LAMPS, WITH SOFT TUBULAR SHAPE	THORN GARBO WALL UPLIGHT	COLUMN
	VORTEX WALL BRACKET WITH DIFFUSED GLASS AS MICROMARK	MICROMARK MM70183	1500mm
	SHAVER SUPPLY UNIT WITH POLISHED SATIN CHROME FINISH AS CRABTREE	CRABTREE CAT No. 2411	1500mm
	PHOTOCELL WITH CONTACTOR RELAY AND MOUNTING BRACKETS	THORN	RING BEAM
	5A 1 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4070	1400mm
	5A 2 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4072	1400mm
	5A 3 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4073	1400mm
	5A 1 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4170	1400mm
	5A 2 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4172	1400mm
	5A 3 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4173	1400mm
	5A 4 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	CRABTREE 4174	1400mm
	13A SINGLE SOCKET OUTLET POINT AND PLATE WITH POLISHED SATIN CHROME FINISH	CRABTREE 4314	300/1400mm
	13A TWIN SOCKET OUTLET POINT AND PLATE WITH POLISHED SATIN CHROME FINISH	CARBTREE 4316	300/1200mm
	20A DP SWITCH FOR HAND DRIER/INSTANT SHOWER WITH POLISHED SATIN CHROME FINISH	CARBTREE 4522/31	1400mm
	COMPUTER/TELEPHONE OUTLET POINT AND PLATE FOR FLUSH MOUNTING WITH POLISHED SATIN CHROME FINISH	CRABTREE 8092	300mm
	TV ANTENNAE COAXIAL POINT AND PLATE FOR FLUSH MOUNTING WITH POLISHED SATIN CHROME FINISH	CRABTREE 8267	300mm
	SELF CONTAINED RECESSED CEILING MOUNTED, EDGE LIGHT DOUBLE SIDED EXIT SIGN FOR MAINTANED EMERGENCY LIGHTING OF 3HRS DURATION	THORN EREL 3M	CEILING
	SPN CONSUMER UNIT NUMBER OF WAYS AS INDICATED IN SCHEMATICS AS SAPPHIRE	SAPPHIRE	1800mm
	TPN DISTRIBUTION BOARD NUMBER OF WAYS AS INDICATED IN SCHEMATICS SAPPHIRE	SAPPHIRE	1800mm
	32/63A ISOLATER AS ABB	ABB	1400mm

LEGEND

AMENDMENTS

No	Date	Revision

NOTES

All works must be laid before plastering.
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To be read with other related drawings.

Project:
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Client:
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Approved by:-
Date:-
Sign:-
Chief Electrical & Mechanical Engineer (BS)

 **MINISTRY OF PUBLIC WORKS.**
ELECTRICAL & MECHANICAL DEPARTMENT (BS)
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Nairobi.

Electrical Engineers
 **GEDOX ASSOCIATES,**
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Subject
LEGEND

Discipline
 Architectural Electrical
 Structural Civil
 Mechanical Other Discipline

scale: 1:250	designed by ENG. GWJ
date: September, 2025	drawn by LAO
project no: E012/15	checked by ENG. GWJ
	MoPW

Approved by:

Dwg. no. 36 of 36