

MODEL MARKET 2



CLIENT:

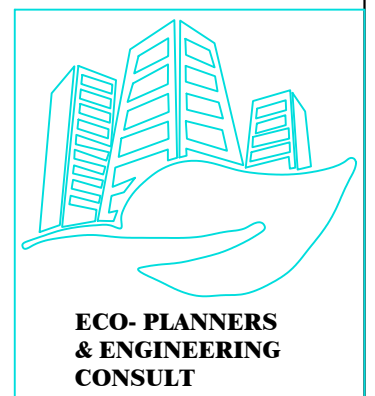
**MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS**

PROJECT:

**PROPOSED 24-HOUR ECONOMY MARKET
&
COMMERCIAL CENTRE**



LOCATION :



BLOCK C

LOCKABLE SHOPS, POLICE POST, MINI MALL & WOMEN'S BANK

ELECTRICAL, FIRE SYSTEM, AC & PLUMBING DRAWINGS

PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE — MODEL MARKET 2

DRAWING SCHEDULE

Lighting · Power · H.V.A.C · Fire Alarm · Plumbing · Schematics

Client: Ministry of Local Government,
Chieftaincy & Religious Affairs

Eco-Planners & Engineering Consult

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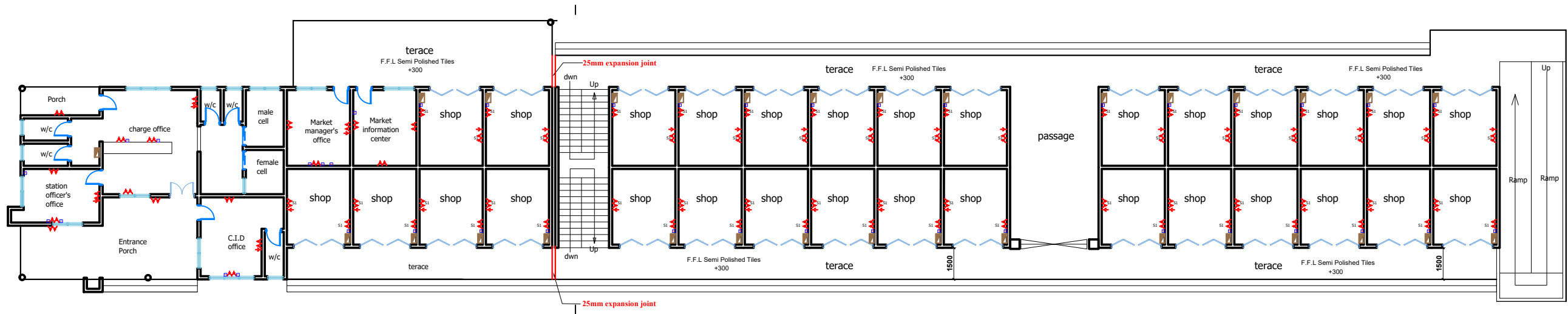
ELECTRICAL, FIRE SYSTEM, AC & PLUMBING DRAWINGS

BLOCK C



E01





LEGEND (POWER LOAD)					
SYMBOL	DESCRIPTION	—	⬆	⬇	⬇
⬆	2 x 100 watts water heater	77	5.600	14.2	5.6 127.72
⬇	ice freezer	0			1L 18.234
⬇	TV stand	12	0	0	0 0
⬇	Refr. stand	29	0	0	0 0
⬇	Telephone stand	2	0	0	0 0
⬇	Hand dryer	6	0	0	0 0
⬇	Distribution board	3	0	0	0 0
⬇	Panel board	0	0	0	0 0

GROUND FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

ELECTRICAL LAYOUT (POWER SYSTEM)

DATE:

OCTOBER, 2025

PROJECT :

PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE



NOTE :

- DIRECT MEASUREMENT IS NOT ALLOWED
FOR ANY CLARIFICATION CONTACT (" +233 247 898" 540 OR
" +233 242 316 175" OR " +233 271 010 146") ECO PLANNERS &
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SCALE:

1 : 100

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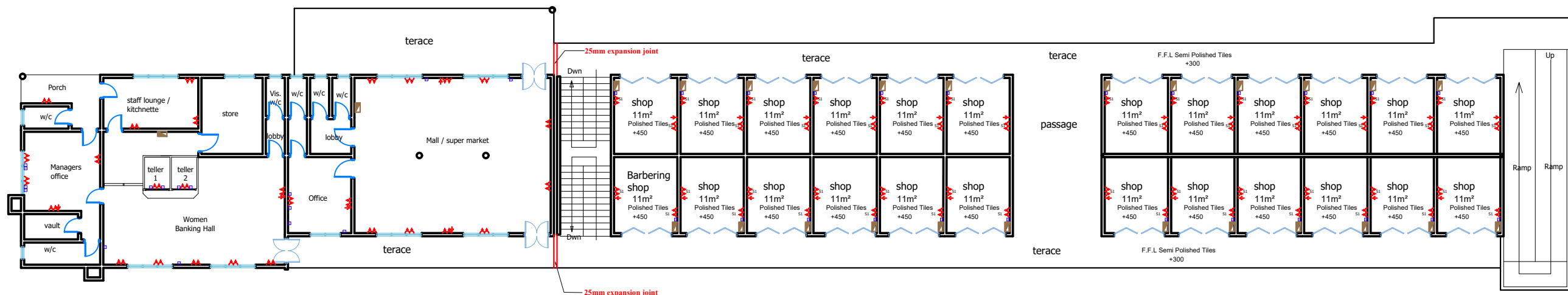
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DRAWN BY:

C. O. ABOARH & A. FRANK

DRG NO.:

E03



LEGEND (POWER LOAD)					
SYMBOL	DESCRIPTION	W	V	A	VA
	1 x 100 watt water heater	77	0.400	44.2	34.1772
	100 W light	0	0	0	0
	TV stand	12	0	0	0
	Data stand	29	0	0	0
	Telephone stand	2	0	0	0
	Hand dryer	6	0	0	0
	Distribution board	3	0	0	0
	Panel board	0	0	0	0



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

ELECTRICAL LAYOUT (POWER SYSTEM)

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OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
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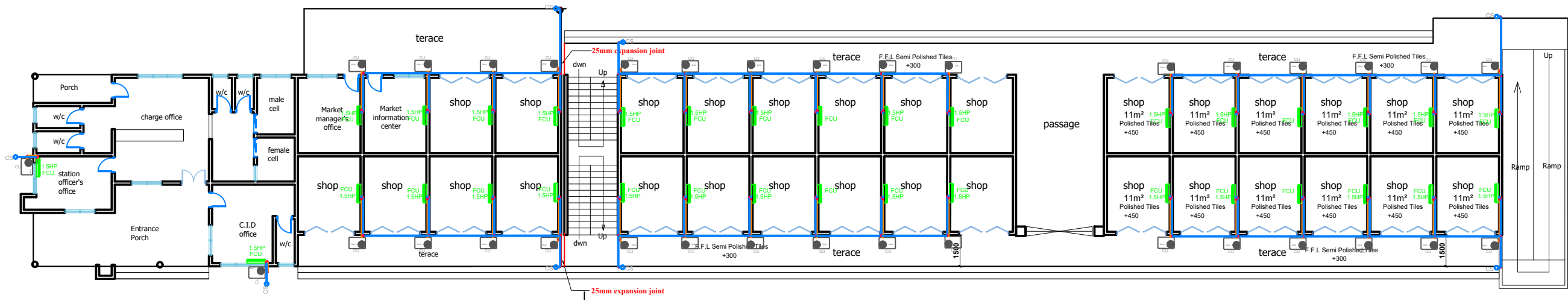
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DRG NO.:

E04



LEGEND H.V.A.C

	CONDENSATE DRAIN PIPE
	INSULATED REFRIGERANT PIPE
FCU	INDOOR FAN COIL UNIT
CU	OUTDOOR CONDENSING UNIT
CS	CONDENSATE SOAKAWAY
	H.V.A.C OUTDOOR UNIT
	H.V.A.C INDOOR UNIT

GROUND FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

MECHANICAL LAYOUT(H.V.A.C)

DATE:

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE :

SCALE:

1 : 100

DESIGNED BY:

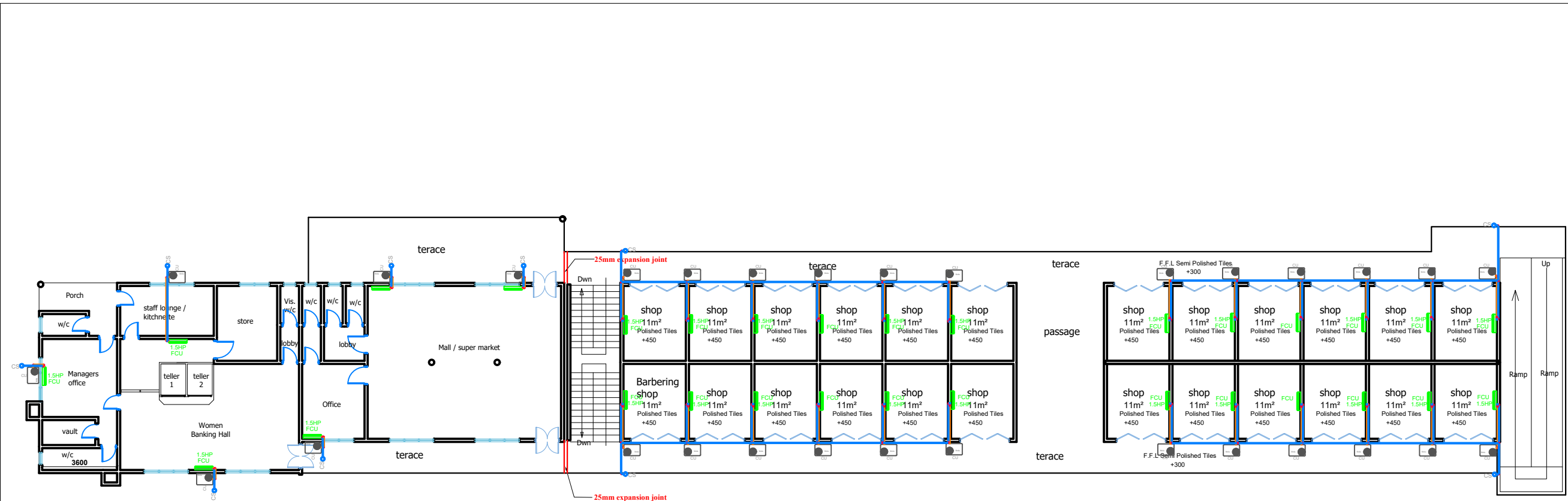
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DRAWN BY:

C. O. ABOARH & A. FRANK

DRG NO.:

E05



LEGEND H.V.A.C

	CONDENSATE DRAIN PIPE
	INSULATED REFRIGERANT PIPE
FCU	INDOOR FAN COIL UNIT
CU	OUTDOOR CONDENSING UNIT
CS	CONDENSATE SOAKAWAY
	H.V.A.C OUTDOOR UNIT
	H.V.A.C INDOOR UNIT



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

MECHANICAL LAYOUT(H.V.A.C)

DATE:

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE :

SCALE:

1 : 100

DESIGNED BY:

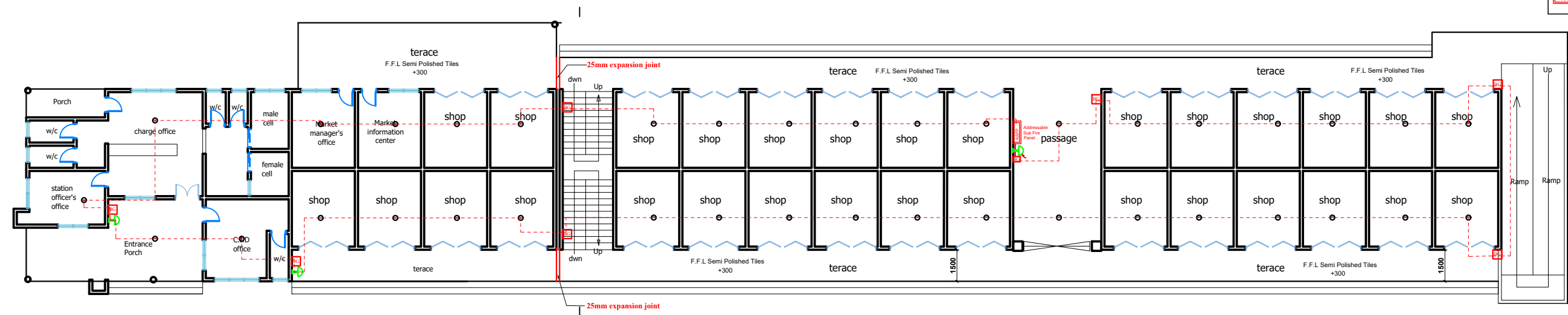
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DRAWN BY:

C. O. ABOARH & A. FRANK

DRG NO.:

E06



LEGEND F.A.S

	Call point break glass
	Electronic sounder
	Photoelectric smoke detector
	FIRE ALARM PANEL

GROUND FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

FIRE ALARM SYSTEM

DATE:

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE :

SCALE:

1 : 100

DESIGNED BY:

**ECO - PLANNERS &
ENGINEERING CONSULT**

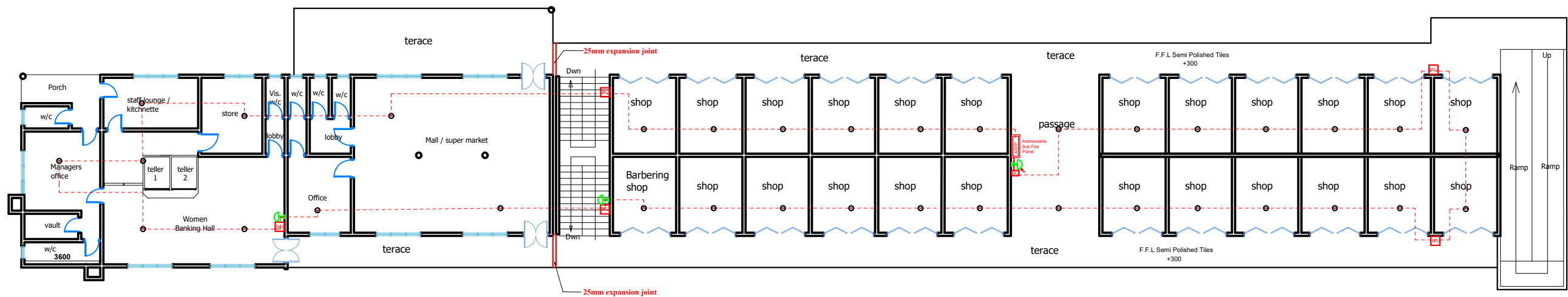
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DRG NO.:

E07

LEGEND	
F.A.S	
	Call point break glass
	Electronic sounder
	Photoelectric smoke detector
	FIRE ALARM PANEL



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

FIRE ALARM SYSTEM

DATE:

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE :

SCALE:

1 : 100

DESIGNED BY:

**ECO - PLANNERS &
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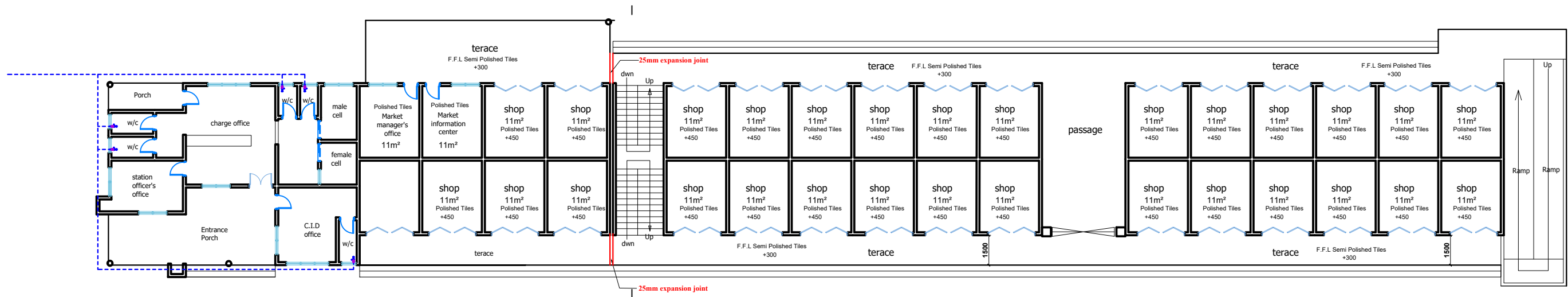
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DRG NO.:

E08

LEGEND
PLUMBING

	25mm expansion joint
	w/c
	male cell
	female cell
	C.I.D. office
	station officer's office
	charge office
	terrace
	shop
	passage
	Ramp



GROUND FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

PLUMBING LAYOUT (CLEAN WATER SYSTEM)

DATE:

PROJECT :

**PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE :

SCALE:

1 : 100

DESIGNED BY:

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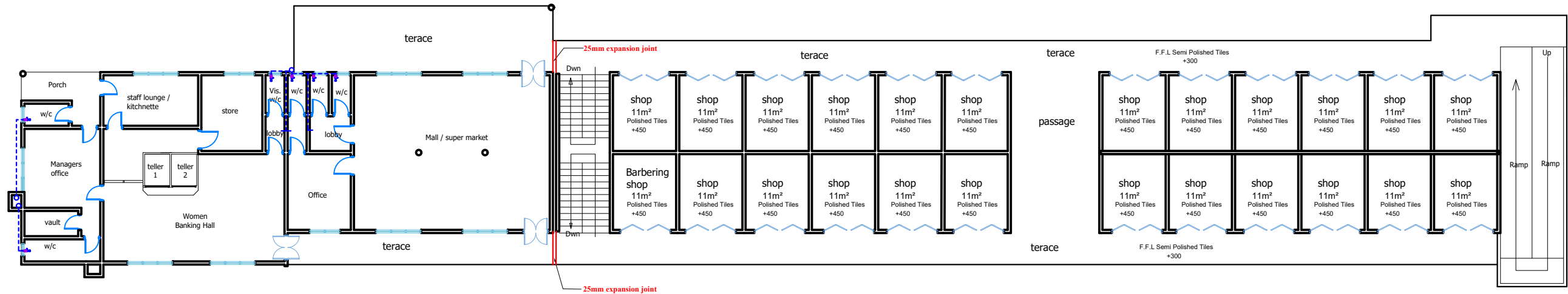
DRAWN BY:

C. O. ABOARH & A. FRANK

DRG NO.:

E09

LEGEND	
PLUMBING	
	Cold Water Supply
	Hot Water Supply
	Drainage
	Vent
	Floor Drain
	Water Meter
	Stop Valve
	Expansion Joint
	Terrace Drain
	Ramp



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

PLUMBING LAYOUT (CLEAN WATER SYSTEM)

DATE:

PROJECT :

PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE



NOTE :

SCALE:

1 : 100

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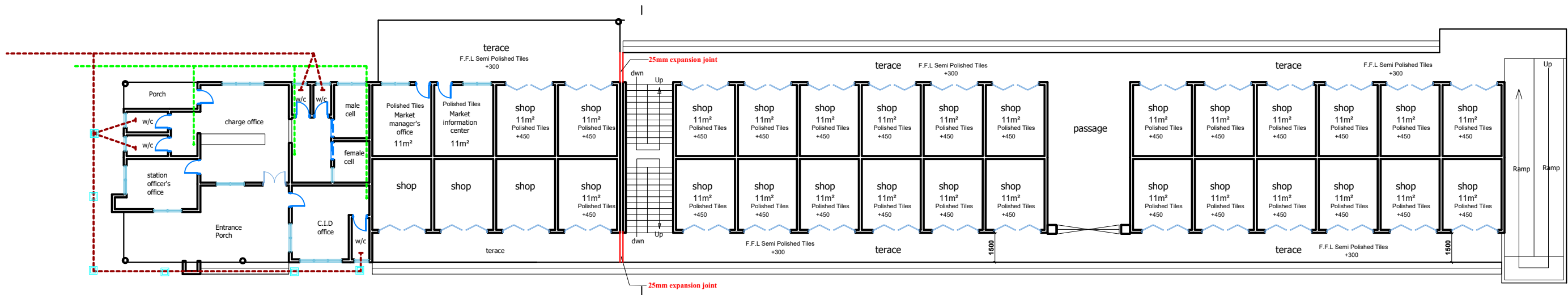
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DRG NO.:

E10

LEGEND PLUMBING	
	water closet
	sewer stack
	sewer inspection chamber
	sewer line (400mm dia)
	sewer line (150mm dia)
	water line (150mm dia)
	water line (400mm dia)



GROUND FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

PLUMBING LAYOUT (WASTE & SEWAL SYSTEM)

DATE:

PROJECT :

PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE



NOTE :

SCALE:

1 : 100

DESIGNED BY:

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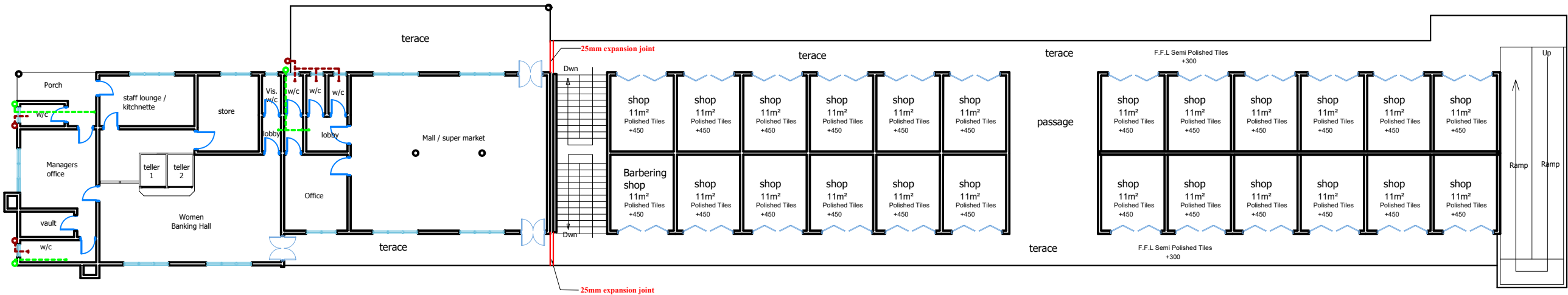
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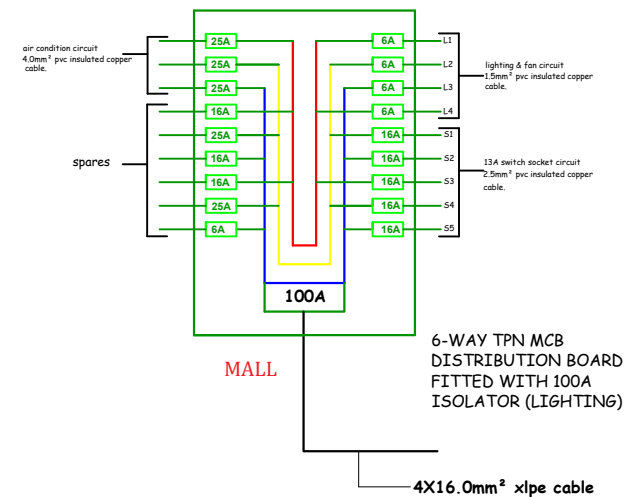
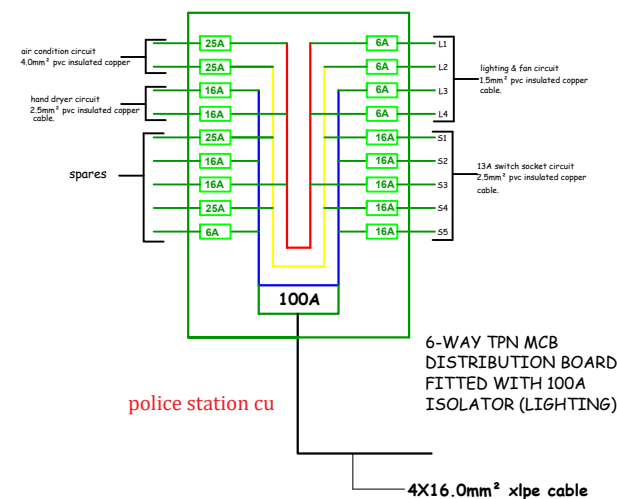
DRG NO.:

E11

LEGEND	
SYMBOL	DESCRIPTION
	water closet
	sewer stack
	sewer inspection chamber
	sewer pipe (pvc)
	water pipe (pvc)



CLIENT:	MINISTRY OF LOCAL GOVERNMENT , CHIEFTAINCY & RELIGIOUS AFFAIRS	PROJECT :	PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE	SCALE:	1 : 100	DRG NO.: E12
DRAWING TITLE:	PLUMBING LAYOUT (WASTE & SEWAL SYSTEM)			DESIGNED BY:	ECO - PLANNERS & ENGINEERING CONSULT	
DATE:		NOTE :		DRAWN BY:	C. O. ABOARH & A. FRANK	



A	TOTAL ASSUMED LIGHTING LOAD(KVA)					9.0816
	2 x 13A switch socket outlet.	154	0.600	92.4	0.6	55.44
	25A 3P air condition switch	64	2.700	172.8	0.8	138.24
	20-litre capacity water heater.	0	1.200	0	0.8	0
B	TOTAL ASSUMED POWER LOAD(KVA)					193.68
	TOTAL ASSUMED LOAD(KVA) A+B					202.8

GROUND FLOOR PLAN

