

MODEL MARKET 2



CLIENT:

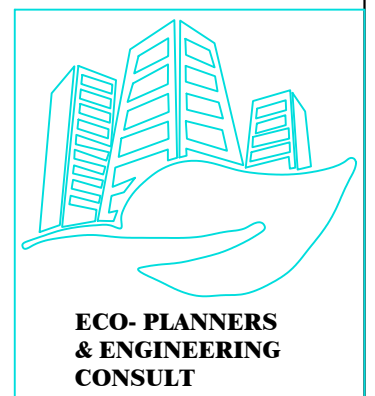
**MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS**

PROJECT:

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



LOCATION :



BLOCK A

COMMERCIAL BUILDING

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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5	Electrical Layout (Lighting System) — First Floor	p. 112
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ELECTRICAL, FIRE SYSTEM, AC & PLUMBING DRAWINGS

BLOCK A

ELECTRICAL LIGHTING

[illegible]**CLIENT:**

**DRAWING
TITLE:**

DATE:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

ELECTRICAL LAYOUT (LIGHTING SYSTEM)

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 & ENGINEERING CONSULT

SCALE:

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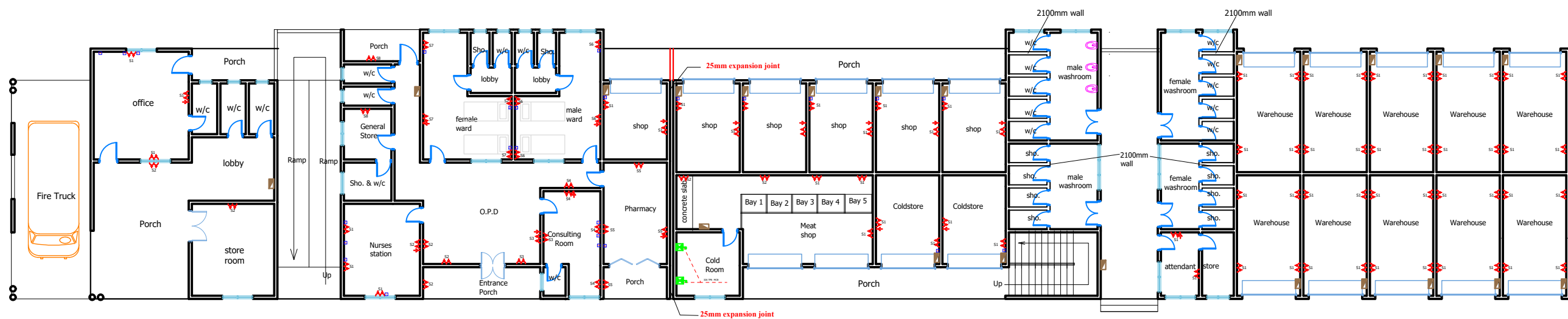
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DRG NO.:

E01

POWER DRAWINGS



LEGEND (POWER LOAD)					
SYMBOL	DESCRIPTION	1	2	3	4
	1000W power outlet	10	10.00	10.0	10.0
	500W power outlet	0	0.00	0.0	0.0
	TV outlet	12	0	0	0
	Data outlet	29	0	0	0
	Telephone outlet	2	0	0	0
	Hand dryer	6	0	0	0
	Distribution board	3	0	0	0
	Panel board	0	0	0	0

GROUND FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

ELECTRICAL LAYOUT (POWER SYSTEM)

DATE:

PROJECT :

**PROPOSED 24-HOUR
ECONOMY MARKET
&
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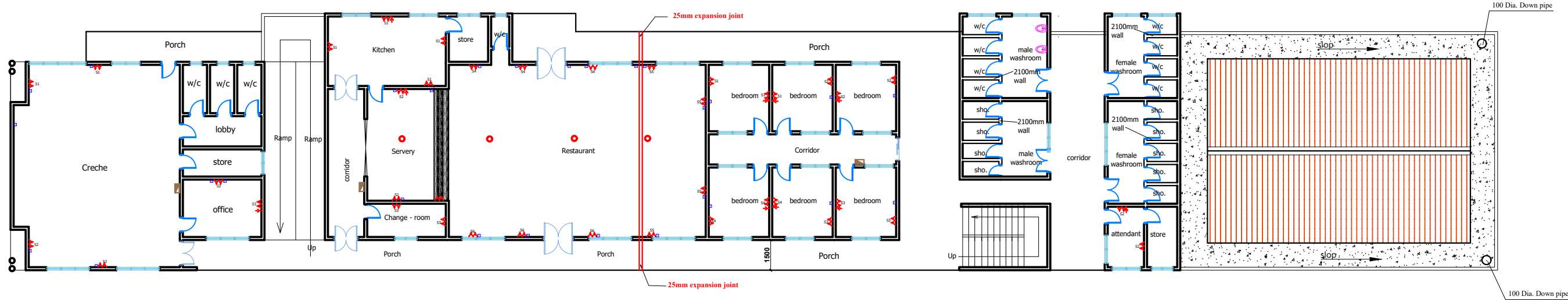
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E03



LEGEND (POWER LOAD)					
SYMBOL	DESCRIPTION	1	2	3	4
	100mm water meter socket	39	6.600	13.4	5.6 (14.04)
	100mm water meter	0			1.6 (16.24)
	TV socket	12	0	0	0
	Data socket	29	0	0	0
	Telephone socket	2	0	0	0
	Hand dryer	6	0	0	0
	Distribution board	3	0	0	0
	Panel board	0	0	0	0

FIRST FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
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DRAWING
TITLE:

ELECTRICAL LAYOUT (POWER SYSTEM)

DATE:

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
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NOTE :

SCALE:

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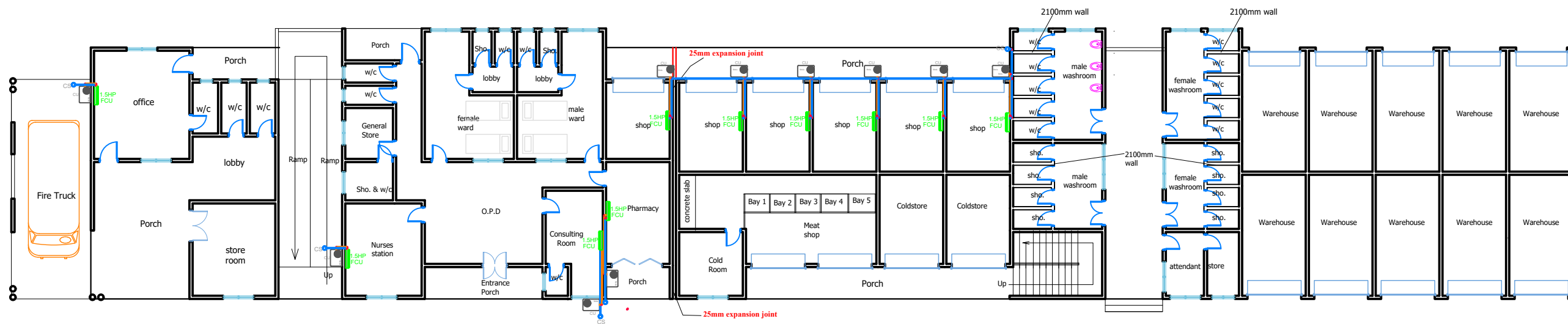
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E04

AIR CONDITION



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**



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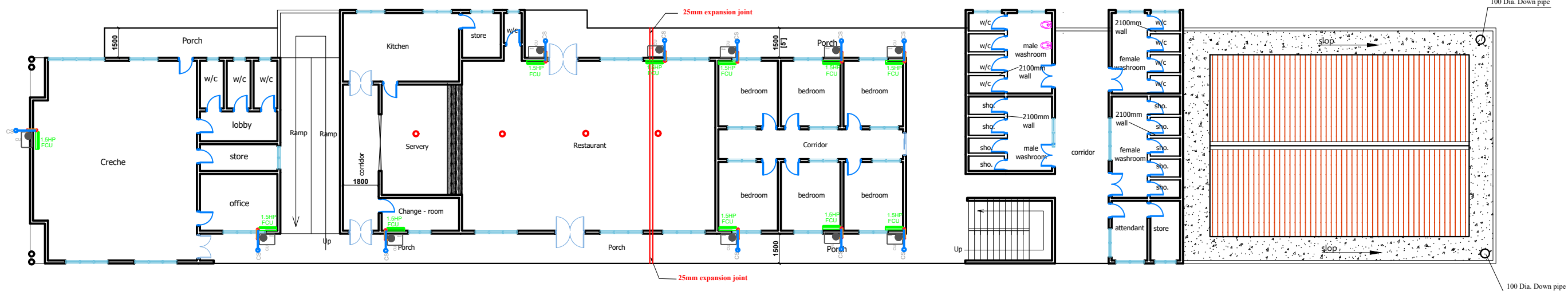
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DRG NO.:

E05



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

FIRST FLOOR PLAN



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
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MECHANICAL LAYOUT(H.V.A.C)

DATE:

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PROPOSED 24-HOUR
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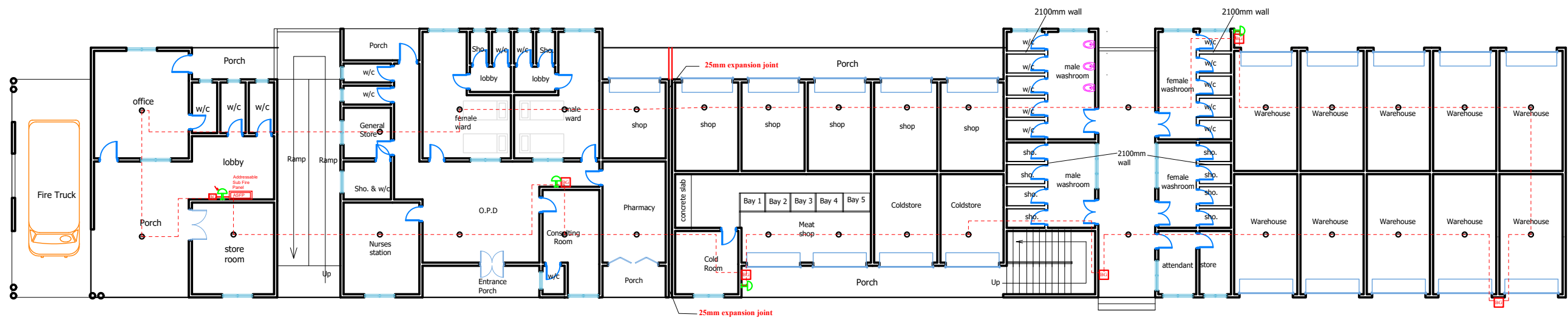
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E06

FIRE ALARM SYSTEM



LEGEND F.A.S

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

GROUND FLOOR PLAN



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FIRE ALARM SYSTEM

DATE:

PROJECT : **PROPOSED 24-HOUR
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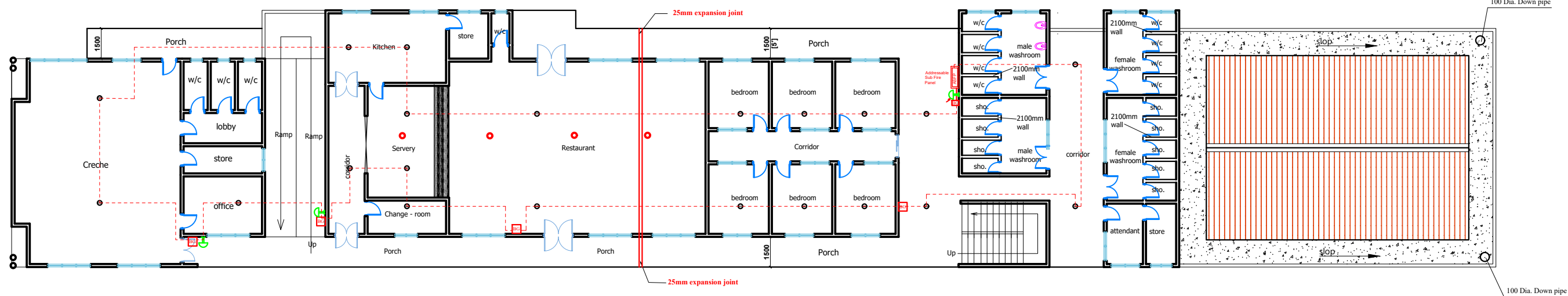
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DRG NO.:

E07



FIRST FLOOR PLAN

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:

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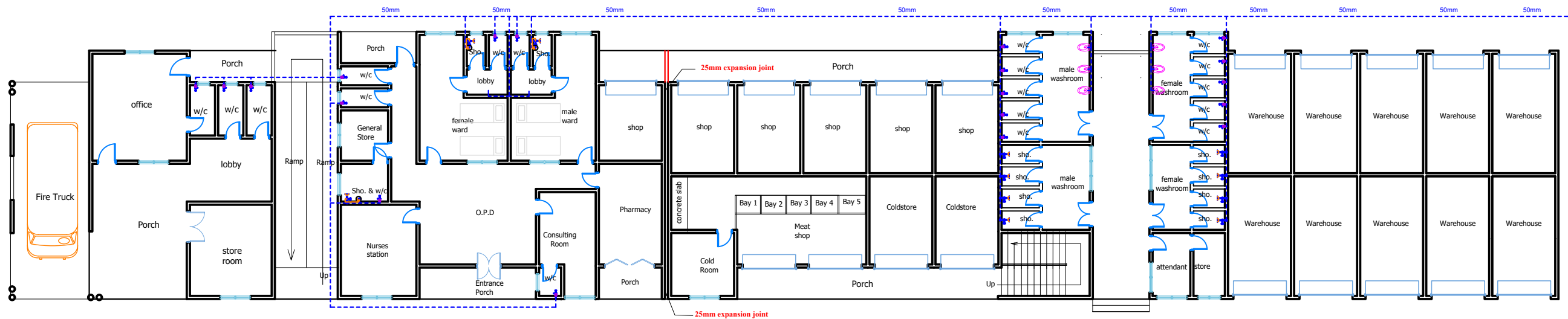
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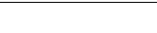
E08

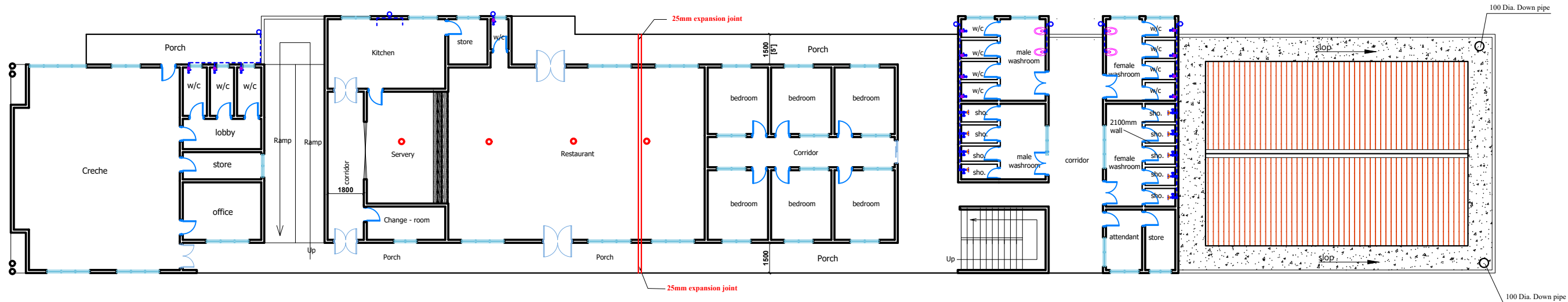
PLUMBING WORKS



LEGEND	
PLUMBING	
	Sink
	Toilet
	Shower
	Bathtub
	Bidet
	Floor drain
	Water supply line
	Waste line
	Vent line
	Expansion joint

GROUND FLOOR PLAN

 ECO-PLANNERS & ENGINEERING CONSULT	CLIENT:	MINISTRY OF LOCAL GOVERNMENT , CHIEFTAINCY & RELIGIOUS AFFAIRS	PROJECT : PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE 	SCALE:	1 : 100	DRG NO.: E09
	DRAWING TITLE:	PLUMBING LAYOUT (CLEAN WATER SYSTEM)		DESIGNED BY:	ECO - PLANNERS & ENGINEERING CONSULT	
	DATE:		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 & ENGINEERING CONSULT	DRAWN BY:	C. O. ABOARH & A. FRANK	



LEGEND PLUMBING	
	25mm expansion joint
	100 Dia. Down pipe
	100 Dia. Down pipe
	100 Dia. Down pipe
	100 Dia. Down pipe
	100 Dia. Down pipe
	100 Dia. Down pipe
	100 Dia. Down pipe

FIRST 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:

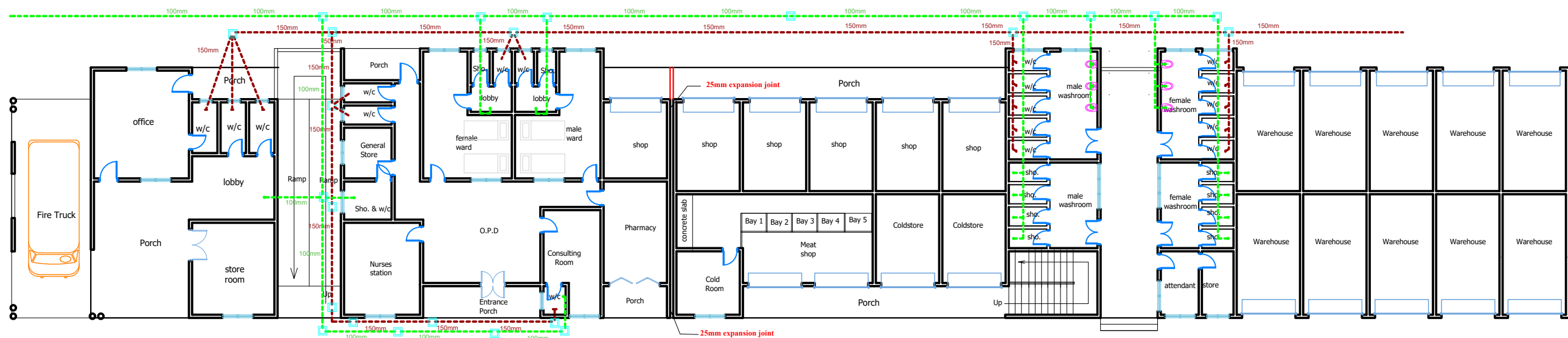
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DRG NO.:

E10



LEGEND PLUMBING	
	Water closet
	Sewer
	Washroom
	Sink
	Shower
	Drainage
	25mm sewer pipe (pvc)
	100mm waste water pipe (pvc)

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
&
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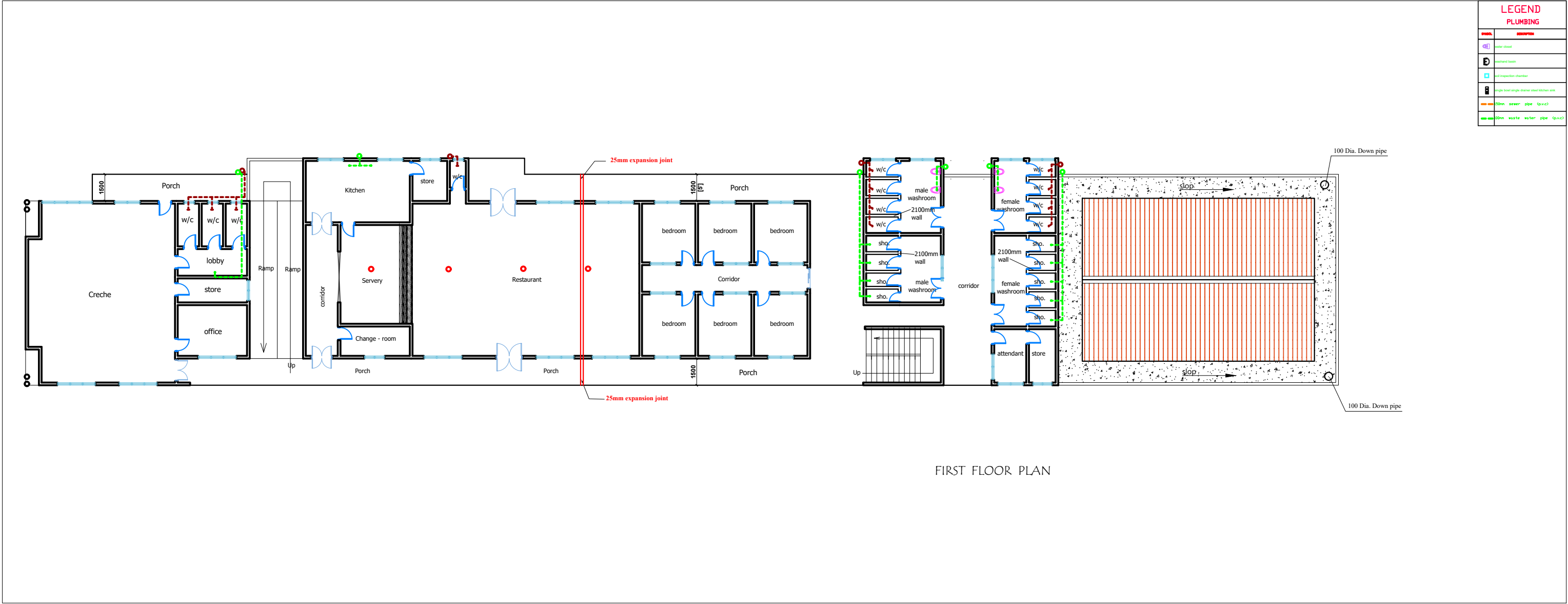
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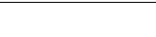
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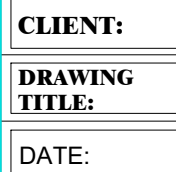
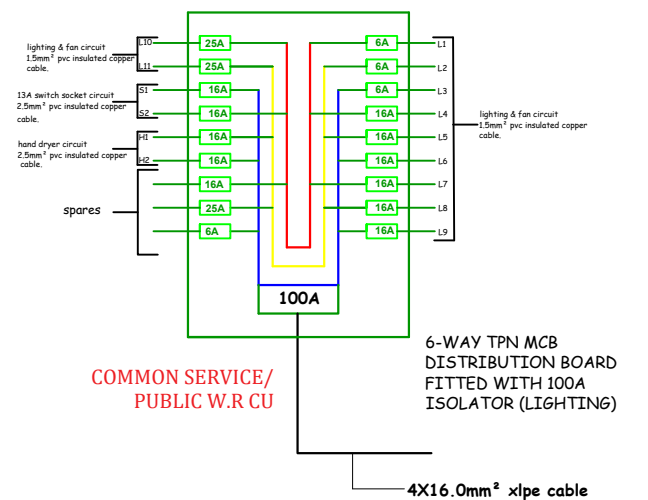
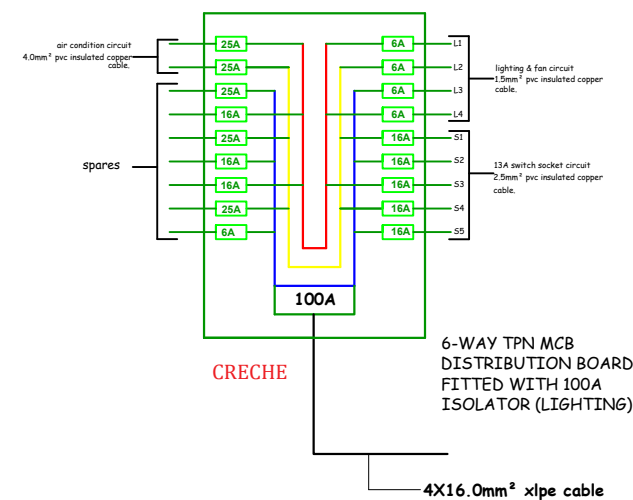
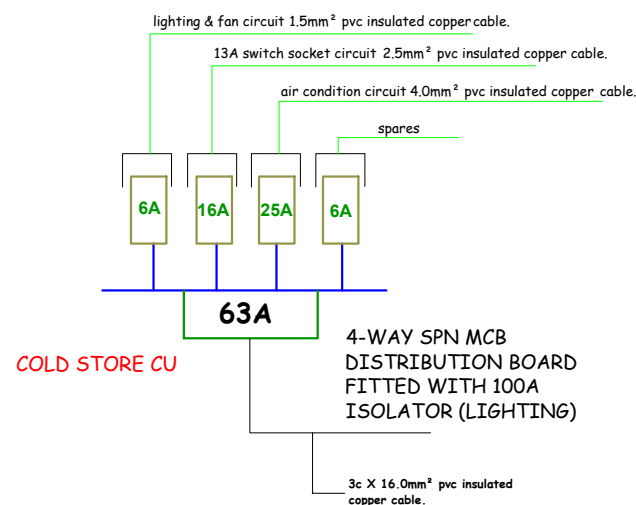
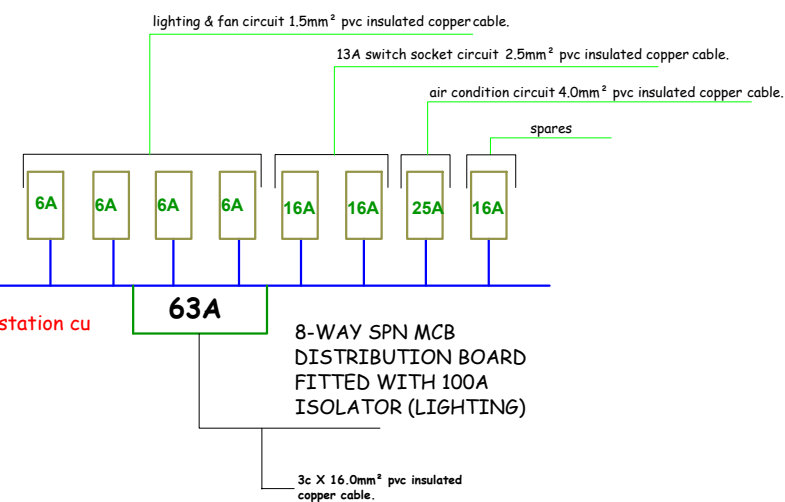
E11



FIRST FLOOR PLAN

 ECO- PLANNERS & ENGINEERING CONSULT	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:			DRAWN BY:	C. O. ABOARH & A. FRANK	
			NOTE :			

SCHEMATICS



ELECTRICAL CIRCUIT CONTROL UNIT

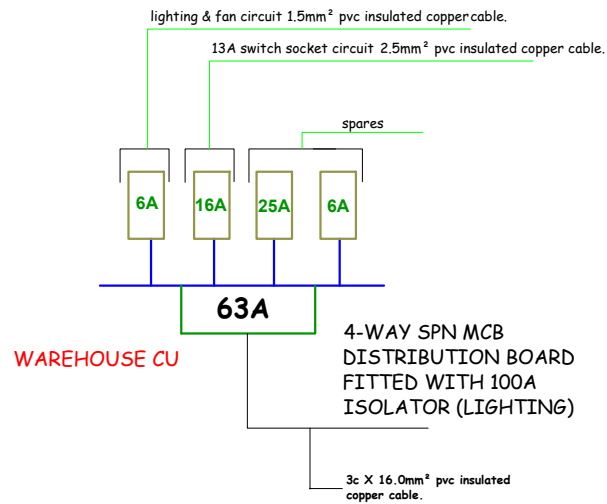


1 : 100

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E13



LEGEND

(POWER LOAD FOR GF & FF)

A	TOTAL ASSUMED LIGHTING LOAD(KV)					9.848
⚡	2 x 13A switch socket outlet.	131	0.600	78.6	0.6	47.16
⚡	30A DP air condition switch	21	2.700	56.7	0.8	45.36
🔌	20-litre capacity water heater.	0	1.200	0	0.8	0
B	TOTAL ASSUMED POWER LOAD(KV)					92.52
	TOTAL ASSUMED LOAD(KV) A+B					102.4



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

ELECTRICAL CIRCUIT CONTROL UNIT

DATE:

PROJECT :

PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE



NOTE :

SCALE:

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E14