

MODEL MARKET 2



CLIENT:

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

PROJECT:

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



LOCATION :



BLOCK D (8No)

SHEDS / STALLS

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

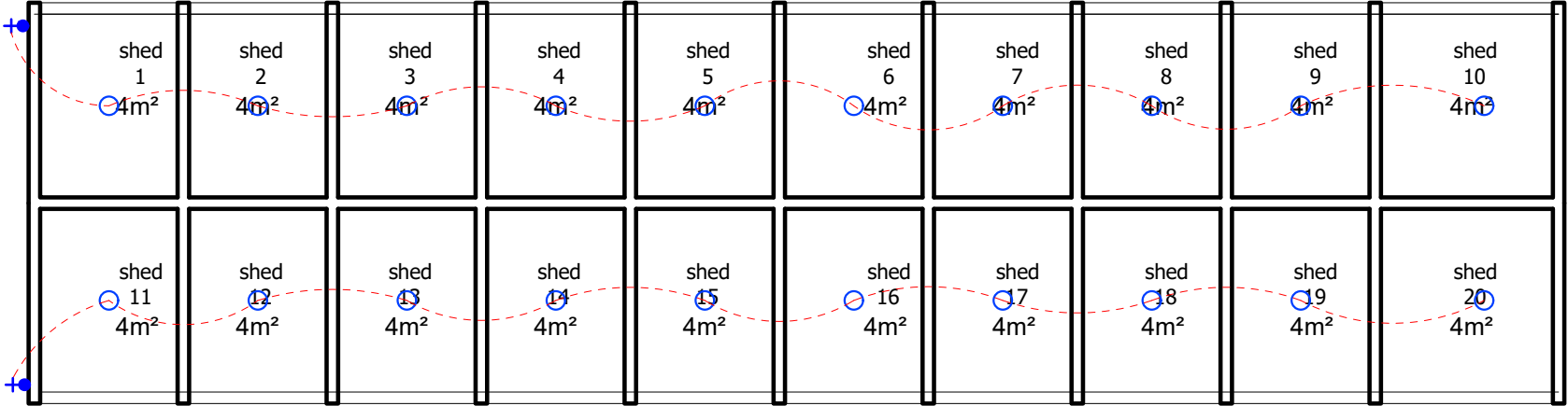
Eco-Planners & Engineering Consult

SHEET	DRAWING TITLE	PAGE IN ORIGINAL SET
1	Electrical, Fire System, AC & Plumbing Drawings — Section Cover	p. 108
2	Block D (8No) (Section Cover)	p. 156
3	Electrical Layout (Lighting System)	p. 157
4	Electrical Layout (Power System)	p. 158
5	Electrical Circuit Control Unit — Schematic	p. 159

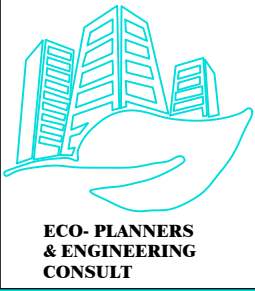
ELECTRICAL, FIRE SYSTEM, AC & PLUMBING DRAWINGS

BLOCK D (8NO)

LEGEND (LIGHTING LOAD)						
SYMBOL	DESCRIPTION	QUANTITY	WATTAGE	WATTAGE	WATTAGE	WATTAGE
⊕	30V LED DECORATIVE DIFFUSER as PHILIPS ROUND CEILING SPOT	0	0.012	-	0.8	-
○	30V LED DECORATIVE SQUARE CEILING LUMINAIR 2'x 2' POLYCARBONATE DIFFUSER as PHILIPS	20	0.030	0.6	0.8	0.48
✦	1 x 15w cfl ceiling button light fitting with glass shade	0	0.015	-	0.8	-
●	2 x 9w cfl ceiling surface mounted with glass shade	0	0.018	-	0.8	-
⊠	480mm x 600mm, 4x4W T5 fluorescent recessed with opal diffuser	0	0.056	-	0.8	-
□	30w LED STRIP LIGHTS WITH CHROME	0	0.012	-	0.8	-
🔊	30V DECORATIVE FANLIGHT	0	0.030	-	0.8	-
✂	2400mm sweep ceiling fan complete with regulator	20	0.100	-	0.8	-
🔌	30watt LED/AC/1 external wall button fitting complete with polycarbonate glass shade	0	0.050	-	0.8	-
⬠	30V LED ENERGY SAVING GLASS LIGHT FITTING 2'x 2' TROUSERT LAMP HOLDER as PHILIPS	0	0.018	-	0.8	-
—	1 x 20w T5 button weatherproof fluorescent fitting	0	0.028	-	0.8	-
⚡	60A 3P water heater switch					
⚡	1-gang, 1-way 6A switch					
⚡	2-gang, 1-way 6A switch					
⚡	3-gang, 1-way 6A switch					
⚡	1-gang, 2-way 6A switch					
⚡	2-gang, 2-way 6A switch					
⚡	Intermediate switch 6A switch					
⊙	PHOTOCELL					
A	TOTAL ASSURED LIGHTING LOAD(W)					0.48



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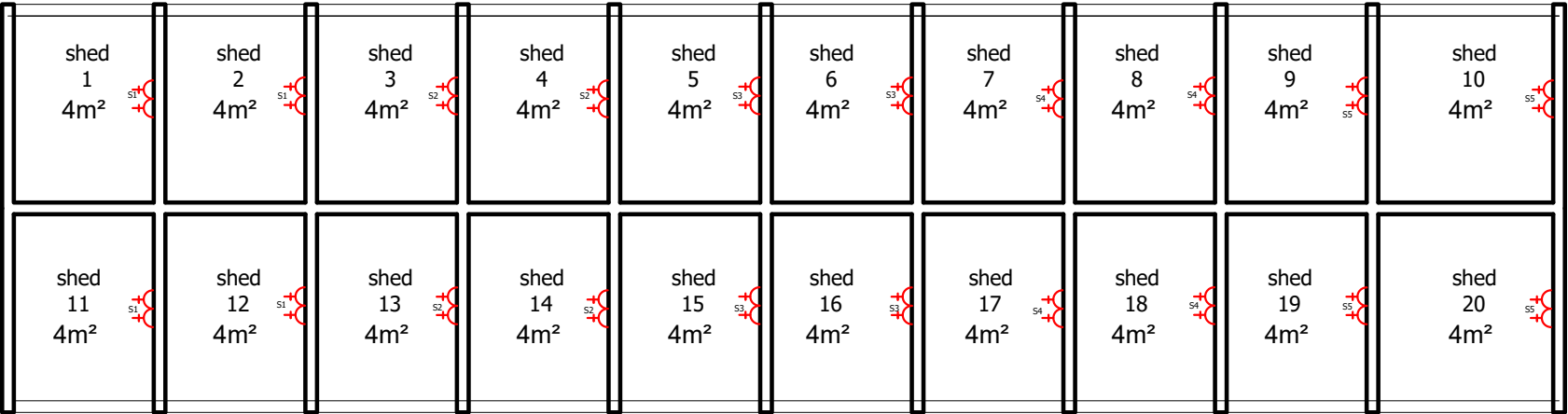
CLIENT:	MINISTRY OF LOCAL GOVERNMENT , CHIEFTAINCY & RELIGIOUS AFFAIRS	PROJECT : PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE	SCALE: DESIGNED BY: DRAWN BY:	1 : 100 ECO - PLANNERS & ENGINEERING CONSULT	DRG NO.: E01
	DRAWING TITLE:	ELECTRICAL LAYOUT (LIGHTING SYSTEM)			
	DATE:	OCTOBER, 2025			

NOTE :

- DIRECT MEASUREMENT IS NOT ALLOWED
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LEGEND (POWER LOAD)						
SYMBOL	DESCRIPTION	QUANTITY	POWER KW	WATTAGE VA	AMPERE A	WATTAGE VA
	2 x 15A switch socket outlet	20	0.600	12	0.6	72
	20A 17W MS	0			1L	18.23A
	TV socket	12	0	0	0	0
	Data socket	29	0	0	0	0
	Telephone socket	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

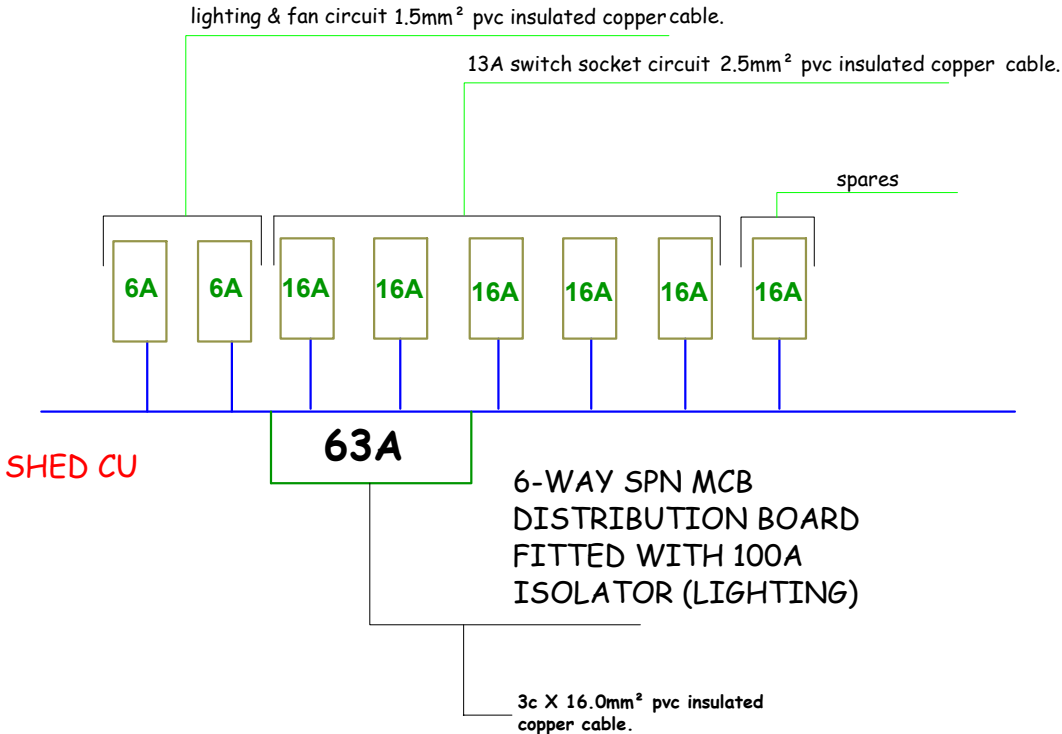


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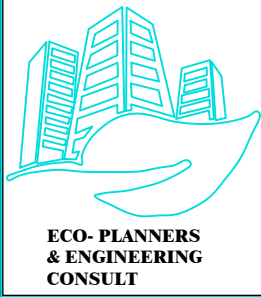


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CLIENT:	MINISTRY OF LOCAL GOVERNMENT , CHIEFTAINCY & RELIGIOUS AFFAIRS	PROJECT : PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE 	SCALE:	1 : 100	DRG NO.: E02
DRAWING TITLE:	ELECTRICAL LAYOUT (POWER SYSTEM)		DESIGNED BY:	ECO - PLANNERS & ENGINEERING CONSULT	
DATE:	OCTOBER, 2025		DRAWN BY:		
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LEGEND (POWER LOAD FOR GF & FF)							
A	TOTAL ASSUMED LIGHTING LOAD(Kw)						0.48
	2 x 13A switch socket outlet.	20	0.600	12	0.6	7.2	
	32A D.P air condition switch	0	2.700	0	0.8	0	
	20-litre capacity water heater.	0	1.200	0	0.8	0	
B	TOTAL ASSUMED POWER LOAD(Kw)						7.2
	TOTAL ASSUMED LOAD(Kw) A+B						7.68



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DRAWING TITLE:	ELECTRICAL CIRCUIT CONTROL UNIT		DESIGNED BY:	ECO - PLANNERS & ENGINEERING CONSULT	
DATE:	OCTOBER, 2025		DRAWN BY:		

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