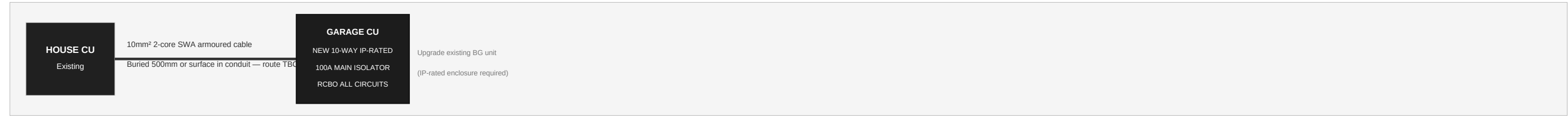


DWG-07 — ELECTRICAL SCHEMATIC DIAGRAM

Schematic — not to scale | 7 circuits | Spotlights | 2× electric radiators | 8 double sockets S1–S8



	CIRCUIT / MCB	LOADS CONNECTED	NOTES / SPECIFICATION
C1	RING 1 32A RCBO	S1 — Garden wall pier (gym) S6 — Party wall gym zone S7 — Party wall gym zone	3 × double sockets 13A. Gym zone Ring circuit.
C2	RING 2 32A RCBO	S2 — Party wall office S3 — Far end wall S4 — Far end wall S5 — Dividing wall office face S8 — Party wall office	5 × double sockets 13A. Office zone Ring circuit.
C3	HEATING 20A RCBO	Electric radiator 1 — gym zone (fused spur + thermostat) Electric radiator 2 — office zone (fused spur + thermostat)	2 × panel radiators (750W–2kW each). Each on individual fused spur with thermostat and timer.
C4	GYM EQUIP 20A RCBO	Dedicated 20A socket — assault bike / rowing machine / cable machine	Single dedicated radial for high-draw gym equipment.
C5	SPOTLIGHTS 6A RCBO	Recessed GU10 LED downlights — gym zone (6–8 no.) Recessed GU10 LED downlights — office zone (4–6 no.)	5–6W GU10 LED each, 4000–5000K. Fire-rated covers req'd (Part B). Total ~60–120W.
C6	EXT FAN 6A RCBO	150mm wall extract fan with humidistat (Part F) Also serves as air con unit vent point (150mm core hole)	Xpelair DX150T or Vent-Axia Titan 150. Switched spur.
C7	EXT SOCKET 16A RCBO	External weatherproof socket IP66 — adjacent to bifold doors on garden wall	For outdoor equipment and portable air con unit (garden side alternative).

EARTH + COMPLIANCE: 30mA RCBO on every circuit (garage = special location BS 7671 18th Ed). All work by NICEIC/NAPIT Part P registered electrician. EIC issued on completion.

IP-rated CU enclosure required. SWA run length TBC by electrician — de-rate if >20m. Fire-rated downlight covers required for all spotlights (Part B).

■ **SCHEMATIC ONLY — NOT TO SCALE.** Final design, cable sizing and load calculations are the responsibility of the appointed electrician.

This diagram is for briefing purposes. DWG-07 should NOT be included in the planning application submission — submit DWG-01 to DWG-06 only.

PROJECT	DRAWING TITLE	DRAWING NO.	SCALE	STATUS
Garage — Gym & Office Conversion, Hassocks, West Sussex	ELECTRICAL SCHEMATIC DIAGRAM	DWG-07 REV C	NOT TO SCALE	For Planning & Building Regulations
All dims mm. Do not scale. Verify on site. Ref: DM/23/2692 approved precedent, Mid Sussex DC.				