

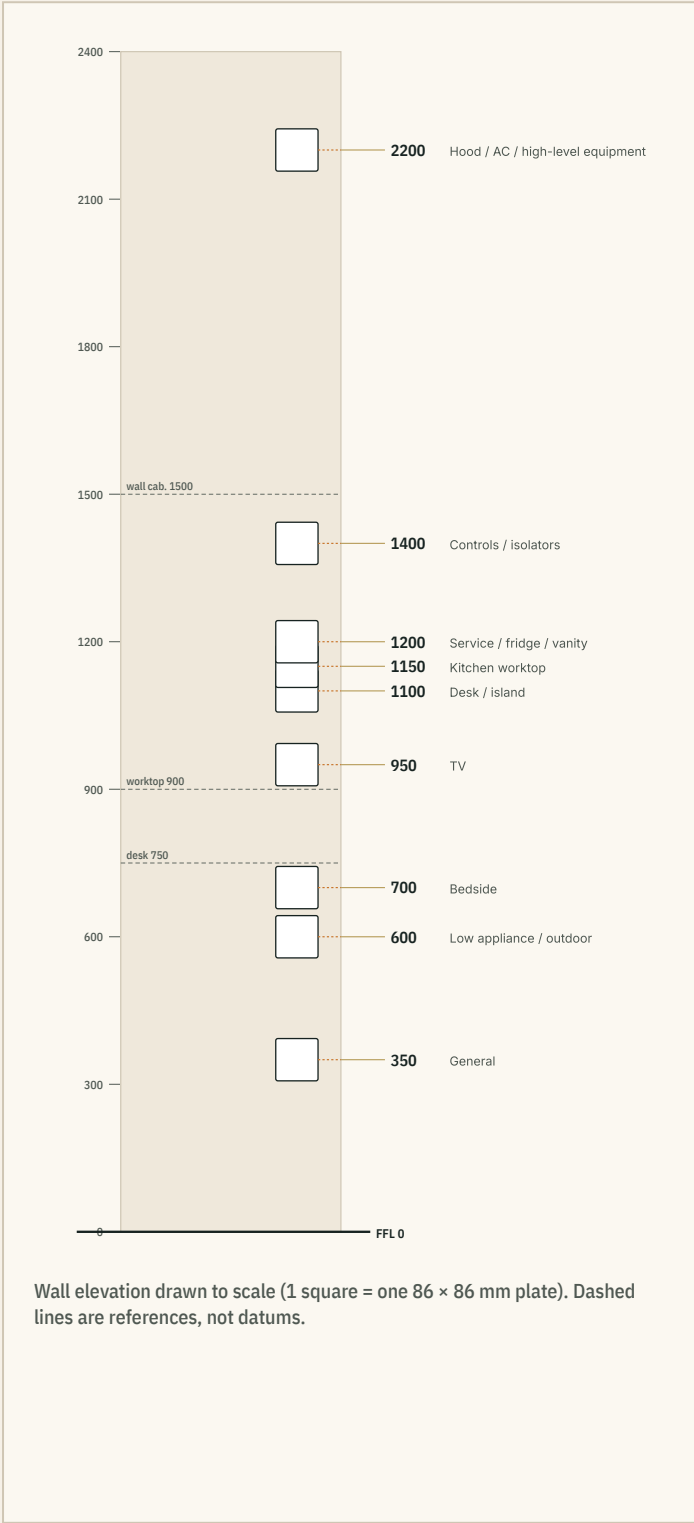
Electrical Datum

One datum per point. No site guessing.

Measured FFL → CL
finished floor level to the
centre line of the accessory
6 Oct 2026

350 · 600 · 700 · 950 · 1100 · 1150 · 1200 · 1400 · 2200 mm

The nine ELS master numbers



THE NINE NUMBERS	
350	General
600	Low appliance / outdoor
700	Bedside
950	TV
1100	Desk / island
1150	Kitchen worktop
1200	Service / fridge / vanity
1400	Controls / isolators
2200	Hood / AC / high-level equipment

- HOW TO USE IT
- Every height is FFL → centre line. Not the underside of the box, not the top of the plate. Set FFL from the finished floor build-up, not the slab.
 - This is an ELS design standard, not a statutory mounting height. Wiring is done by a registered electrical contractor under the Sarawak rules.
 - The appliance manual wins. Check dishwasher, oven, fridge, AC, water heater and cooker connection positions at design freeze.
 - Wet zones win. Bathroom points go only where the wet-zone requirements permit.
 - Plan position is drawn, height is this sheet. Mark wall and offset on the M&E plan; the datum comes from the schedule overleaf.

32 points by use

mm, FFL → CL
6 Oct 2026

POINT	DATUM	PLACEMENT RULE
GENERAL LIVING 6		
General 13A socket	350	Dry-area universal socket
Bedside socket / USB	700	Above typical bedside cabinet
TV console socket	350	Low equipment zone
Wall-TV power + data	950	Concealed behind TV
Desk / study socket	1100	Above typical 750 mm desk
Router / network equipment power	1100	Prefer dedicated structured-media location
KITCHEN 10		
Kitchen countertop socket	1150	Typical 900 mm worktop
Kitchen island socket	1100	Side/end panel, not worktop surface
Refrigerator dedicated socket	1200	Adjacent accessible service zone, not trapped behind fridge
Dishwasher socket	600	In adjacent cabinet/service bay, never directly behind dishwasher
Under-counter oven connection / socket	600	Adjacent cabinet/service bay
Built-in oven isolator	1400	Accessible outside appliance cavity
Built-in microwave socket	1400	Adjacent service cabinet
Coffee-machine / appliance tower socket	1400	Accessible within adjacent appliance/service zone
Cooker / induction hob isolator	1400	Dedicated circuit; not directly above hob
Cooker hood socket	2200	Concealed/accessibly located above or within hood cabinet
LAUNDRY 2		
Washing-machine socket	1200	Beside machine, away from hoses
Dryer socket	1200	Dedicated accessible point
BATHROOM 4		
Mirror / mirror-cabinet power	1200	Coordinate basin/mirror geometry
Bathroom shaver socket	1200	Only where wet-zone requirements permit
Instant water-heater isolator	1400	Outside inappropriate wet zone
Storage water-heater isolator	1400	Accessible outside wet zone
MECHANICAL 3		
Air-conditioner isolator	2200	Near equipment, accessible for servicing
15A dedicated AC/equipment outlet	2200	Where equipment/system specifically requires 15A
Water-pump isolator	1200	Accessible, dry/serviceable location
EXTERNAL 4		
Outdoor general socket	600	Weatherproof and above normal splash zone
Balcony socket	600	Weatherproof
Autogate power / isolator	1200	Protected service location
CCTV / security equipment power	2200	High-level service point where appropriate
SPECIAL 1		
Floor box	0	Flush with finished floor; location dimensioned in plan
CONTROLS 2		
Light switch	1400	ELS control datum
General appliance isolator	1400	ELS common control datum

Not on this sheet? A point this schedule does not list (for example an under-sink water purifier or an EV charger) is set per project and drawn on the M&E plan until ELS adds a datum for it.