PROFESSIONAL ESTIMATING LLC
CONSTRUCTION ESTIMATING SERVICES

ILLUSTRATIVE SAMPLE. Not a client project. Quantities only, no prices.

Electrical takeoff (sample)

Illustrative project: single-storey 3-bedroom home · Hamilton, Waikato (fictional site) · 168 m² gross floor area
Drawings: A-100 to A-410 (architectural), S-01 to S-06 (structural), H-01 (hydraulic), E-01 (electrical)
Domestic installation to AS/NZS 3000. Final design by the electrician.

Points

Ref	Item	Unit	Qty	Drawing ref / note
E1.01	Double power outlets	no.	34	E-01
E1.02	LED downlights	no.	38	E-01
E1.03	Light switches (gangs)	no.	21	E-01
E1.04	Extract fans, ducted	no.	3	E-01
E1.05	Smoke alarms, interconnected	no.	5	E-01
E1.06	Data outlets Cat6	no.	6	E-01

Circuits and supply

Ref	Item	Unit	Qty	Drawing ref / note
E2.01	Switchboard, 24-way with RCDs	no.	1	E-01
E2.02	Oven, hob and heat pump circuits	no.	3	E-01
E2.03	TPS cabling allowance	lm	640	Measured routes + 10%
E2.04	Mains supply from boundary	lm	18	Site plan

Assumptions and exclusions

- Quantities measured from the drawing references listed; no allowance for design changes after issue.
- Waste factors are stated per line where included; otherwise quantities are net.
- Ground conditions assumed 'good ground' to NZS 3604 unless the geotechnical report says otherwise.
- Exclusions: consent fees, development contributions, landscaping and loose furniture.