ELECTRICAL BLUEPRINT SYMBOLS

Common conventions. The legend on your drawings always governs.

RECEPTACLES

Duplex receptacle	GFCI receptacle	Weatherproof receptacle
Quadruplex receptacle	Special-purpose / 240 V	Split-wired (half-switched)
Floor receptacle	Receptacle with USB	

SWITCHES

S Single-pole switch	S_3 Three-way switch	S_4 Four-way switch
S_D Dimmer	S_{OC} Occupancy / vacancy sensor	S_{LV} Low-voltage switch
S_K Key-operated switch		

LIGHTING

Ceiling luminaire	Wall luminaire	Recessed downlight
Troffer (2×4, 2×2)	Strip / linear fixture	Ceiling fan
Exit sign (arrow = direction)	Emergency fixture	

POWER AND DISTRIBUTION

Panelboard, flush	Panelboard, surface	Meter
Transformer	Disconnect switch	Junction box
Equipment connection (keyed)	Home run to panel, circuits	

WIRING AND RACEWAYS

Concealed in wall or ceiling	Concealed in floor / below slab	Conductor count (hash marks)
Empty conduit with size		

LOW VOLTAGE AND FIRE ALARM

Telephone / data outlet	Coax / TV outlet	Thermostat

D Doorbell / chime	CR Card reader	Security camera
S Speaker	SD Smoke detector	F Fire alarm pull station
Horn / strobe		

Drawn by SparkQuote from common drafting conventions (floor plans), IEEE 315 (diagrams) and NFPA 170 (fire alarm). Free to print and share.