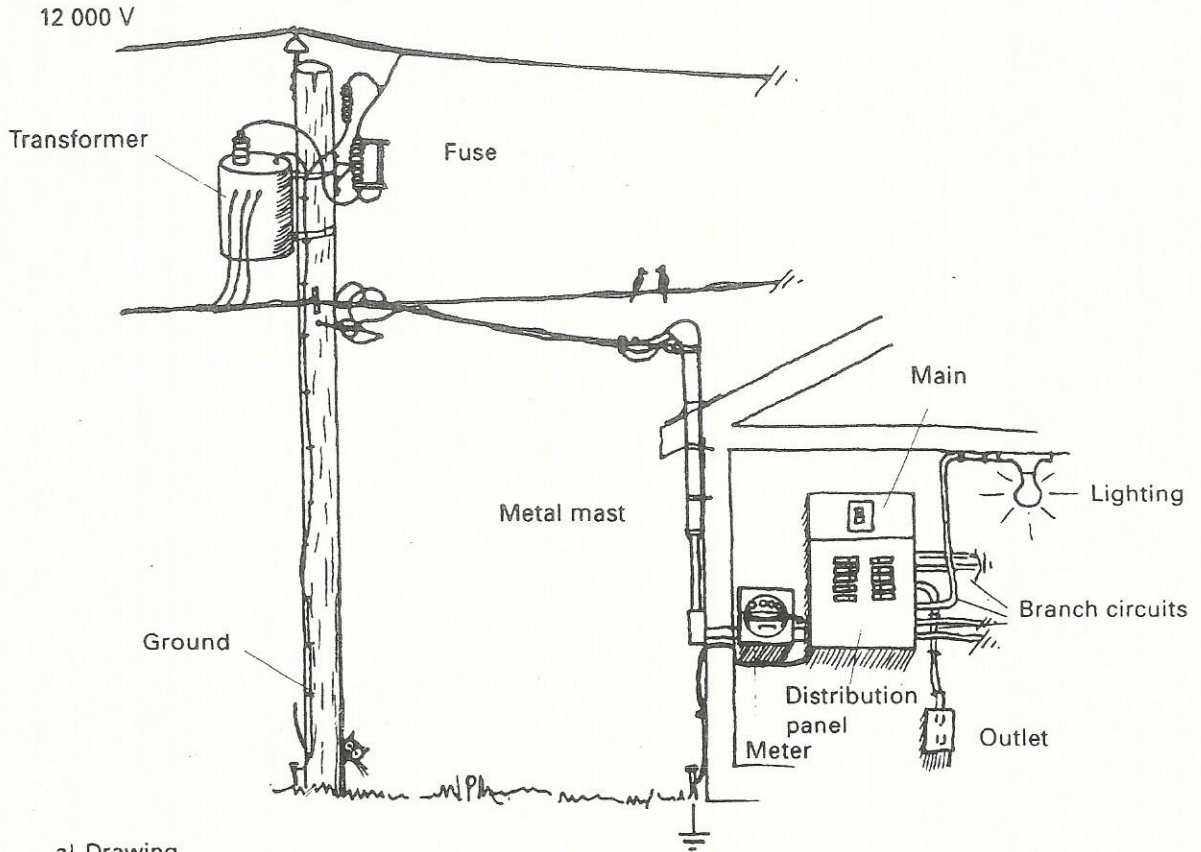
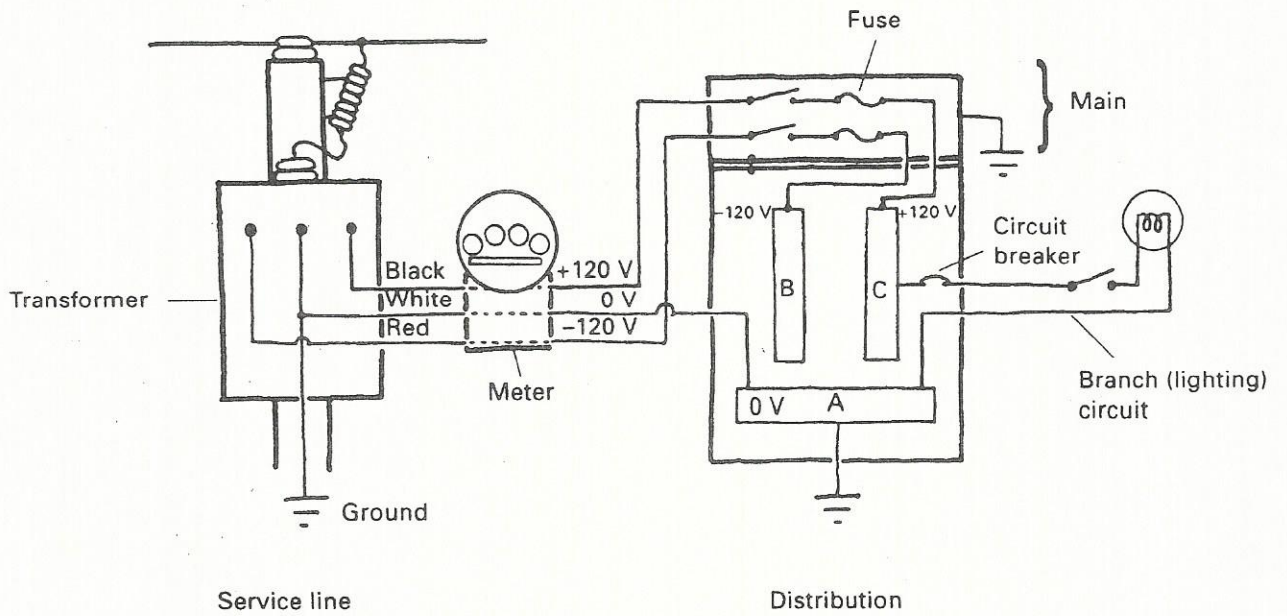


Residential electrical installation

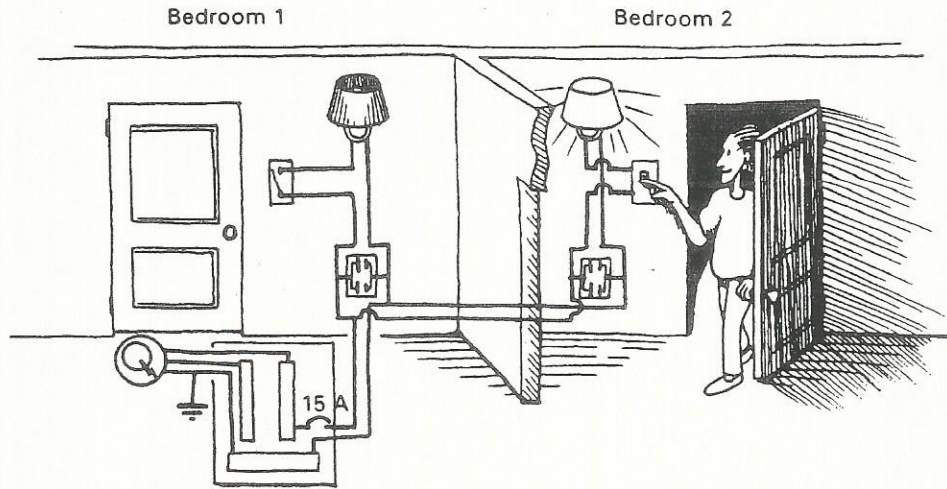


a) Drawing

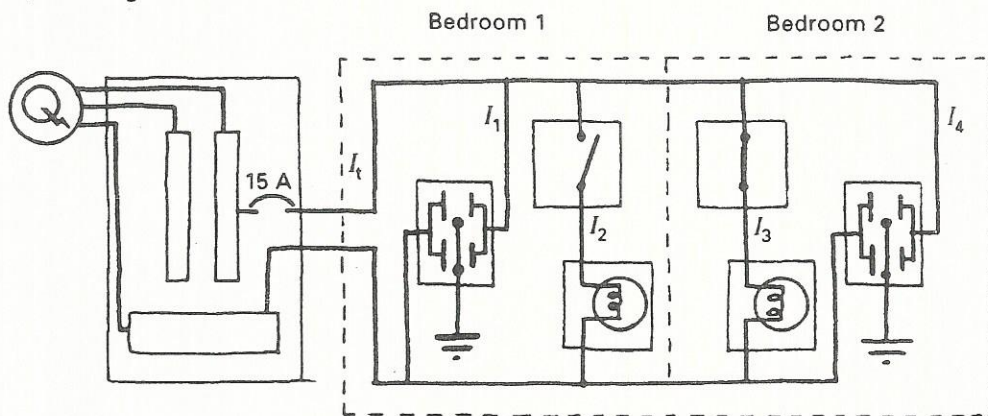


b) Diagram: the service line begins at the transformer and ends at the main and the distribution begins at the distribution panel and ends at the outlets and light fixtures.

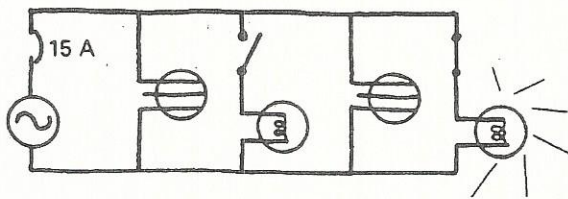
Lighting circuit for two bedrooms



a) Drawing



b) Diagram



c) Simplified circuit diagram of the four parallel outlets and fixtures; note the symbol used for a double three-prong outlet.

A general-purpose branch circuit ensures power to two bedrooms, including two light fixtures and two outlets. The two circuit wires are divided into several branches to power the outlets and fixtures.