



## DEPARTMENT OF COMMUNITY DEVELOPMENT

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### HELPFUL BUILDING GUIDELINES

#### ELECTRICAL INSTALLATION

**NEC 210.12 (A)** All 120-volts, single phase, 15 & 20 ampere branch circuits supplying outlets in dwelling units; family room, dining room, living room, parlors, libraries, dens, bedrooms, sunrooms, recreation room, closets, hallways or similar rooms or areas shall be protected by a listed arc-fault circuit interrupter or combination type.

**\*\*Any branch circuit installed in a house that isn't GFCI protected shall be Arc-fault protected.**

**NEC 210.8(A) 1-7** GFCI protection is required for bathrooms, kitchens, outside areas, garages, unfinished basement areas, crawl space areas & areas where sink is located closer than 6 feet from receptacles.

**NEC 210.52(A) 1** Receptacles shall be installed such that no point measure horizontally along the floor line of any wall space is more than 6 feet from a receptacle outlet.

**Receptacles shall be installed 6 feet from any door and spaced no more than 12 feet another receptacle.**

**IRC 314** Smoke alarms locations & requirements

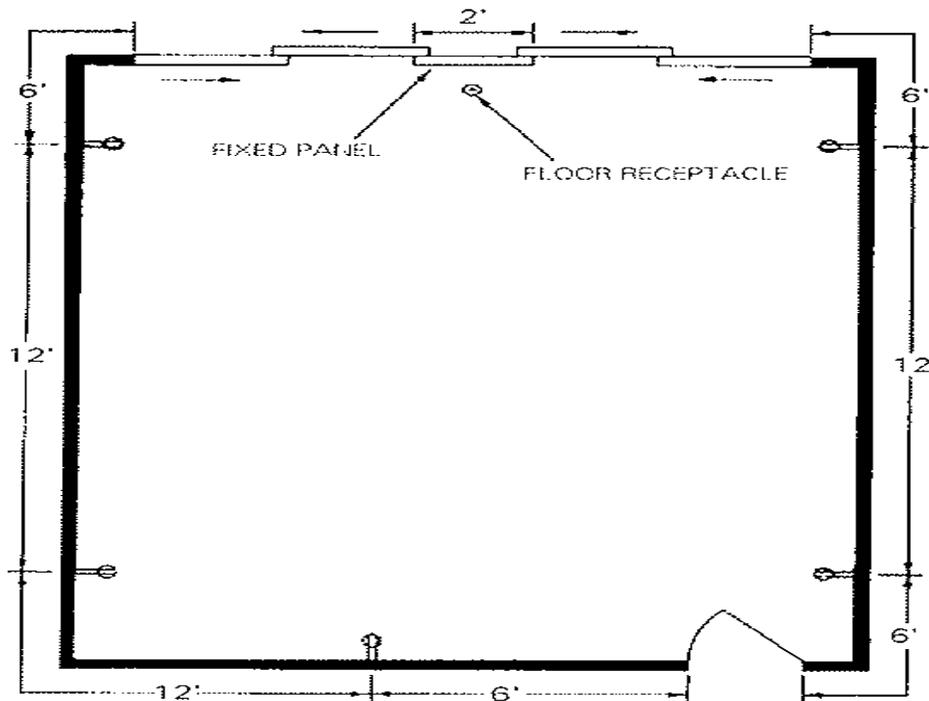
- In each sleeping room, outside sleeping rooms & 1 on each level of home

- Hardwired with battery back-up

- Interconnected (when 1 goes off they all go off)

**IRC 315** Carbon monoxide alarms

**Outside sleeping rooms where the home has a fuel-fired appliance**



## ELECTRICAL INSTALLATION

### NEC 210.52(B)-(C) 5 Kitchen receptacles

There shall be a minimum of 2 branch circuits supplying counter top receptacles and they shall be spaced 2 feet from sink on each side, maximum of 4 feet from another receptacle and no further than 2 feet from end of counter space.

### NEC 422.31(C) Motor-operated appliances

Dishwashers that are hardwired shall have a disconnect within site or lockout breaker.

### NEC 406.12 Tamper-resistant receptacles

All receptacles shall be tamper-resistant.

### IRC 502.8.1 Cutting, drilling & notching

