



## **SMOKE ALARMS ARE REQUIRED:**

**J504.2 Smoke alarms.** When interior alterations occur in existing dwellings, the individual dwelling unit shall be provided with smoke alarms located as required for new dwellings; the smoke alarms shall be interconnected and hard wired.

**R313.1.1 Location.** Smoke alarms shall be installed in the following locations:

1. In each sleeping room.
2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

**Exception:** Interconnection is not required where smoke alarms are permitted to be battery operated in accordance with Section R313.1.2.

**J504.2.1 Power source.** Smoke alarms shall be permitted to be battery operated when installed in buildings without commercial power or an on-site electrical power system, or in buildings where existing interior wall or ceiling finishes are not removed to expose the structure.

**J504.3 Carbon monoxide alarms.** When Level 1 alterations occur, the individual dwelling unit shall be provided with carbon monoxide alarms as required for new dwellings.

**Exception:** In other than bed and breakfast dwellings, carbon monoxide alarms and carbon monoxide detectors may be battery operated cord-type or direct plug when installed in buildings without an electrical power source, or in buildings where existing interior wall or ceiling finishes are not removed to expose the structure.

**R313.4.2 Required locations.** Carbon monoxide alarms shall be provided in the following locations:

1. Within each dwelling unit on each story containing a sleeping area, within 15 feet of the sleeping area. More than one carbon monoxide alarm shall be provided where necessary to assure that no sleeping area on a story is more than 15 feet away from a carbon monoxide alarm.
2. On any story of a dwelling unit that contains a carbon monoxide source.