



COMMUNITY DEVELOPMENT DEPARTMENT • BUILDING INSPECTION DIVISION  
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**SMOKE DETECTOR REQUIREMENTS**

2016 California Building Code, Section 907.2.11 and 2016 California Residential Code, Section R314

**1. RESIDENTIAL ALTERATIONS, ADDITIONS AND REPAIRS:**

When the valuation of an addition, alteration, or repair to a Group R occupancy exceeds \$1000 and a permit is required, or when one or more sleeping rooms are added or created in existing R occupancies, smoke detectors shall be installed. Smoke detectors may be solely battery operated when installed in existing buildings; or in buildings which undergo alterations, repairs or additions.

**2. NEW CONSTRUCTION:**

In new construction, required smoke detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source and shall be equipped with a battery backup. See diagram below.

**3. LOCATION IN DWELLING UNITS:**

In dwelling units, detectors shall be installed in each sleeping area and at a point centrally located in the corridor or area giving access to each separate sleeping area. When dwelling units have more than one story, detectors shall be installed on each story and in the basement. Detectors shall sound an alarm audible in all sleeping areas of the dwelling unit in which they are located. See diagram below.

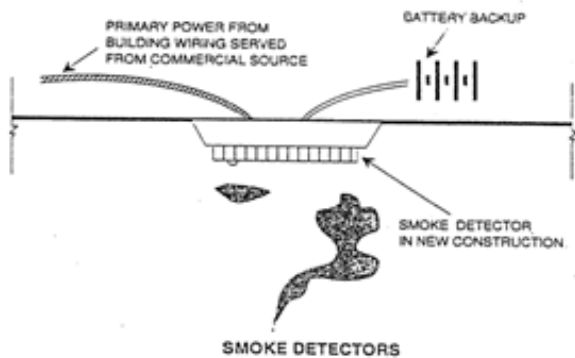


Figure 310-2

