



SMOKE AND CARBON MONOXIDE ALARMS REQUIREMENTS

FOR ONE-TO-TWO FAMILY DWELLINGS

SUBMITTAL REQUIREMENTS

Existing family dwellings shall be provided with smoke detector and carbon monoxide alarms (Senate Bill No. 1394 Chapter 420). When the valuation of additions, alterations, or repairs to dwelling unit exceeds \$1,000.00, the project shall comply with the requirements below.

The electronic set of plans shall show the smoke detectors and the carbon monoxide alarms and shall be digitally signed by the designer/architect, contractor, or homeowner responsible for preparing the plans. All plans submitted (*at minimum, include existing and new floor plans*) shall be a minimum plan size of 11" x 17" and **must be legible** to facilitate digital imaging as a permanent record after the project is completed.

The following is a listing of the general code requirements based on the **2022** California Codes & Mountain View Municipal Code. This handout is intended to provide general information. If you have questions, please contact the Building Division at (650) 903-6313 or email us at building@mountainview.gov

BASIC CODE REQUIREMENTS

1. Smoke alarms shall comply with NFPA 72 section R314.
2. Carbon monoxide alarms shall comply with section R315.
3. Smoke alarms and carbon monoxide alarms shall receive their primary power from the permanent building electrical power system per CRC R314.6 & R315.6.
4. All new electrical outlets (including smoke alarms, carbon monoxide alarms, receptacles, switches, lighting, etc.) shall be on circuits protected with a combination arc-fault circuit interrupter per CEC.
5. Interconnection, where two or more smoke alarms or carbon monoxide alarms are required, they shall be interconnected in such a manner that actuation of one shall cause actuation of all detectors in the dwelling unit. The alarm shall be clearly audible in all bedrooms over background noise with all intervening doors closed per CRC R314 & R315.
6. Smoke alarms and carbon monoxide alarms shall be installed by manufacturer's instructions.
7. All newly installed smoke alarms shall have a 10-year battery. Smoke alarms shall be replaced 10 years from the date of manufacture marked on the unit (SB 745, 2014).
8. Smoke alarms shall be installed in the following locations, per CRC R314 & R315:

Smoke Alarm:	Carbon Monoxide Alarm:
- In each sleeping room - Outside each separate sleeping area in the intermediate vicinity of the bedrooms - On each additional story of the dwelling, including basements and habitable attics - In dwellings with split levels - In the hallway and in the room open to the hallway in dwelling units where the ceiling height of a room open to a hallway serving bedrooms exceeds that of the hallway by 24 inches or more	- Outside each separate sleeping area in the intermediate vicinity of the bedrooms - On each additional story of the dwelling, including basements and habitable attics - Where a fuel-burning appliance is located within a bedroom

OTHER RELATED HANDOUTS

- Self-Certification - Smoke & Carbon Detectors