**Count**
**Community Development department**
**Ignition Resistant Construction**

**2016 California Residential Code Section CRC 337.4**

**(CRC 337.4.3) Ignition-Resistant Materials** — Shall be determined in accordance with the test procedures set forth in SFM standard 12-7A-5 "Ignition-Resistant Material" or in accordance with this section.

**(CRC 337.1.5) Vegetation management** — All grass within 30'-0" of structures to be eliminated, or ignition resistant with all trees within 100'-0" trimmed up to 10'-0".

**(CRC 337.5.2) Spaces between** - The roof cover and roof sheathing shall be blocked so that embers may not enter the space.

**(CRC 337.5.3) Roof valleys** - Shall be not less than 0.019-inch (0.48mm) No. 26 gage galvanized sheet corrosion-resistant metal over not less than 72-pound (32.4 kg) mineral-surfaced non-perforated cap sheet complying with ASTM 3909, at least 36-inches wide (914mm) running the full length of the valley.

**(CRC 337.5.4) Gutters** - Shall be provided with a means to prevent the accumulation of leaves and debris.

**(CRC 337.6) Vents** -
   a. Minimum 1/16th inch (1.6mm) maximum 1/8th inch (3.2mm) openings.
   b. Materials to be noncombustible and corrosion resistant.
   c. Shall not be installed on the underside of eaves and cornices unless the enclosed area is protected by a sprinkler system, or the vents are located more than 12 feet above the ground or walking surface below, and all exterior surfaces of the structure are ignition-resistant.

**(CRC 337.7.3) Exterior coverings** - Shall be noncombustible, Ignition-resistant, Heavy-timber, Logs, a 10-minute wall assembly tested per SFM Standard 12-7A-1, one layer of 5/8-inch Type X gypsum sheathing under siding or an approved one-hour fire rated wall assembly.

**(CRC 337.7.2) Open roof eaves** - May be minimum 2-inch thick rafter tails with solid blocking between them covered by roof sheathing that is noncombustible, Ignition-resistant, covered on the exposed side with one layer of 5/8-inch Type X gypsum sheathing, or an approved one hour roof assembly.

**(CRC 337.7.5) Enclosed roof eaves** - Shall be protected by noncombustible material, Ignition-resistant material, one layer of 5/8-inch Type X gypsum sheathing under the siding, an approved one-hour assembly, or other materials complying with SFM Standard 12-7A-3 or ASTM E2957.

**(CRC 337.7.6) Exterior porch ceilings** - Shall be protected by noncombustible material, Ignition-resistant material, one layer of 5/8-inch Type X gypsum sheathing under the siding, an approved one-hour assembly, or other materials complying with SFM Standard 12-7A-3.

**(CRC 337.7.7-9) Underfloor protection of overhangs and appendages and cantilevers** - Shall be enclosed to grade with materials that are noncombustible, Ignition-resistant, one layer of 5/8-inch Type X gypsum sheathing under the siding, an approved one-hour assembly, or other materials complying with SFM Standard 12-7A-3.

**(CRC 337.8.1) Exterior windows (glazing) and glazing in doors** - Shall be multipane glazing with a minimum of one tempered pane (CBC 2406-Safety Glazing), glass block, a 20-minute rated fire assembly (NFPA 275), or a tested material or assembly that meets the SFM Standard 12-7A-2.

**(CRC 337.8.3) Exterior doors** - Exterior surface shall be noncombustible, Ignition-resistant, or the door may be minimum 1 3/8-inch thick solid wood. Raised panels shall not be less than 1 1/4-inch thick and may be tapered to 3/8-inch thick at edges.

**(CRC 337.9) Decking, Porches, Balconies and Stairs** - Within 10 feet of ground level shall be Ignition-resistant materials (SFM Standard 12-7A-4 & SFM Standard 12-7A-5), exterior fire retardant treated wood, noncombustible, materials that comply with ASTM E 84 with a class B flame spread rating, or other materials that conform to SFM Standard 12-7A-4.

**(CRC 337.10) Accessory and miscellaneous structures** - Trellises, arbors, patio/deck covers, carports, gazebos and similar structures attached or detached to the primary structure shall also comply with this section.

Revised 11-18-16