



**Construction Within Fire  
Zones 1 (Very High Fire Hazard  
Severity Zone)**

CITY OF HIGHLAND BUILDING DIVISION  
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BULLETIN

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**WILDLAND-URBAN INTERFAE FIRE AREA CONSTRUCTION  
REQUIREMENTS FROM CHAPTER 7A, 2007 CALIFORNIA BUILDING CODE**

All new construction, including patio and accessory structures, within the City of Highland designated Fire Zones 1 shall submit construction details to show compliance with the following fire resistive construction methods:

**Roofing**

1. Roof coverings- Class A type roofing materials or assemblies required.
2. Roof valleys- valley flashing shall not be less than .28 galvanized sheet gage corrosion resistant metal installed over a minimum 36 inch wide underlayment consisting of one layer of No. 72 ASTM cap sheet (roll roofing) running the full length of the valley.
3. Roof gutters- roof gutters shall be provided with the means to prevent the accumulation of leaves and debris in the gutter.
4. Attic Ventilation- Roof and attic vents shall resist the intrusion of flame and embers into the attic or shall be protected by corrosion resistant noncombustible wire mesh with ¼ inch openings.
5. Eave or cornice vents- Vents shall not be installed in eaves or cornices
6. Eave Protection- Eaves and Soffits shall be protected by ignition resistant materials or noncombustible construction on the exposed underside.

**Exterior Walls**

1. General- Exterior walls shall be approved noncombustible or ignition resistant materials, which are approved for exterior locations and are listed as one (1) hour fire resistive construction as defined in the Building Code.
2. Exterior wall coverings- Exterior wall coverings shall extend from the top of the foundation to the roof, and terminate at 2 inch nominal solid wood blocking between rafters at all roof overhangs, or in the case of enclosed eaves, terminate at the enclosure.
3. Exterior wall vents- vent openings in exterior walls shall resist the intrusion of flame and embers into the structure.
4. Exterior glazing and window walls- Exterior windows, window walls, glazed doors and gazed openings within exterior doors shall be insulated-glass units with

- a minimum of one tempered pane, or glass block units, or have a fire resistance rating of not less than 20 minutes.
5. Exterior door assemblies- Exterior door assemblies shall be approved noncombustible construction, or solid core wood having stiles and rails not less than 1 3/8 inches thick with interior field panel thickness no less than 1 1/4 inches thick, or shall have a fire resistance rating of not less than 20 minutes.

#### Decking

1. Decking, surfaces, stair treads, risers and landings of decks, porches and balconies where any portion of such surface is within 10 feet of the primary structure shall comply with one of the following methods.
  - A. Shall be constructed of Ignition Resistant Materials. (Flame spread rating of 25 or less).
  - B. Shall be constructed with heavy timber, exterior fire retardant treated wood or approved noncombustible materials.
2. Underside of appendages and floor projections- the underside of cantilevered and overhanging appendages and floor projections shall maintain the ignition resistant integrity of exterior walls, or the projection shall be enclosed to the grade.
3. Unenclosed under floor protection- Buildings shall have all under floor areas enclosed to the grade with exterior walls.

#### Ancillary Building and Structures

1. Ancillary Buildings and structures- Structures and detached accessory structures shall comply with the provisions of this chapter.

#### Fuel Reduction Standards

1. Create a defensible space of a minimum 30 to 100 feet distance around each structure depending on terrain and types of vegetation per Fuel Treatment General Guide lines Compliant with 14 CCR 1299 and PRC 4291.