



**Wildland Urban Interface Construction**  
**Shasta County**  
**Department of Resource Management**  
**Building Division**  
1855 Placer Street, Suite 102 Redding, CA 96001-1759  
(530) 225-5761 \* Fax (530) 245-6468

Handout  
Rev. Date  
01/2014  
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(2013 CRC Chapter R327, CBC Chapter 7A)  
Applications dated on or after January 1, 2014

**Where does it apply?** Wildland Urban Interface (WUI) Construction requirements apply to new buildings in all State Responsibility Areas (SRA) and in Very High Fire zones in Local Responsibility Areas.

**How do I know if I am in one of these areas?** The unincorporated area of Shasta County is almost all SRA. The areas where these regulations may not apply are a portion of the Cottonwood area and the flat lands in MacArthur/Fall River. You can get the information by completing our fax-back form located at the Building Division website or at our counter.

**How does this apply to my Manufactured Home?** See the handout on Wildland Urban Interface Requirements for Manufactured Homes.

**Does this apply to Factory-Built Housing (FBH)?** Yes. FBH is regulated under CRC R327.

**Does my addition or remodel need to comply?** Your addition or remodel will need to comply if the original structure was built under the Wildland regulations.

**What about accessory structures in the Wildland area:** Non-habitable Group U accessory structures over 50' from any habitable structure may be exempt from Wildland requirements but would have to be retrofitted if ever converted to habitable space. Include a note on the cover sheet that "If the structure is ever converted to habitable space it will have to be upgraded to meet Wildland construction standards." Storage sheds up to 120 S.F. are exempt if more than 30' of separation is provided.

**Where can I find listed products?** The Office of the State Fire Marshall (OSFM) has them online at: [http://osfm.fire.ca.gov/licensinglistings/licenselisting\\_bml\\_searchcotest.php](http://osfm.fire.ca.gov/licensinglistings/licenselisting_bml_searchcotest.php) under "New Products Handbook."

**What do I need to show on my plans?**

**Roof Coverings:** Specify the type and rating of the roof covering. Class A or noncombustible roofing is required (Aluminum is not considered non-combustible).

**Gutters:** Add a note that if gutters are installed they will be provided with a means to prevent the accumulation of debris in the gutter such as screens.

**Underside of cantilevered/overhanging appendages and floor projections (Not decks):** Show on plans that the underside maintains the protection of the exterior walls or is enclosed to grade.

**Roof and Underfloor Vents (not eave vents):** Specify a minimum non-combustible opening size of 1/16<sup>th</sup> inch and a maximum of 1/8<sup>th</sup> inch. Under shingle vents, including ridge vents, shall have the exposed combustible edge covered by non-combustible wire mesh.



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**Eave or soffit vents are not allowed unless listed.** A list of some vents that the County accepts are at: [http://cdfdata.fire.ca.gov/fire\\_er/fpp\\_engineering\\_view?guide\\_id=11](http://cdfdata.fire.ca.gov/fire_er/fpp_engineering_view?guide_id=11).

1. Eave or soffit vents are not required to be listed when they have a minimum non-combustible opening size of 1/16<sup>th</sup> inch and a maximum of 1/8<sup>th</sup> inch and all of the following are met:

- The grade, deck, roof or any walking surface is more than 12' below the vent
- The wall coverings are non-combustible or ignition-resistant (fire rated) no other wall coverings even if in the SFM Handbook are allowed.

**What about Roof Ventilation with these small screens?** You will need to detail the size, number and location of the vents to meet the upper and lower attic/rafter space ventilation requirements and calculate the NFVA (Net free vent area) based on the manufacture's information or for 1/16" screen the NFVA = vent size x 0.50 and for 1/8" screens the NFVA=vent size x 0.80. Required venting can be reduced to 1/300 if a vapor barrier is installed.

**Eaves, soffits, porches or similar projections (gable ends are exempt):** Show on the plans that the underside of eaves is protected by material that is noncombustible, ignition resistant (provide listing), listed with the SFM or sheathed behind the covering with 5/8" Type X gypsum sheathing.

**Open Eaves or Soffits.** The roof deck must be non-combustible, ignition-resistant or sheathed with 5/8" Type X exterior gypsum sheathing behind the covering. Provide a detail and listing of the material to show it is structurally adequate for the span and snow load.

**Exterior Walls:** Detail the plans to show the exterior walls are approved non-combustible or heavy timber or log walls where any horizontal dimension is a minimum of 6", the building is sheathed with 5/8" gypsum, the exterior is a listed 1-hour assembly on the outside or designation off the OSFM list of approved materials. CRC R327.7

**Exterior windows, glazing in doors including vehicle doors:** Detail/specify on the plans that ALL glazing including glazing in garage roll-up doors is insulated/dual pane glass with a minimum of one tempered pane or glass block or be 20-minute rated or listed under SFM 12-7A-2. Specify each window on the plans as tempered or provide the listing.

**Exterior doors including garage doors and sliders:** Specify that all exterior doors, including vehicle doors and sliding doors have exterior cladding that is either noncombustible, ignition resistant, listed under SFM 12-7A-1, a 20 minute listed assembly or solid core 1 3/4" with interior field panel thickness not less than 1-1/4".

**Decks (deck surfaces, stair treads/risers, porches, and balconies):** Specify heavy timber (minimum 3" nominal thickness) OR exterior fire-treated wood OR non-combustible materials OR ignition-resistant meeting SFM 12-7-A, parts A and B OR material that passes the SFM 12-7-A (Part A only) and the walls the deck is attached to may only be non-combustible or ignition-resistant material unless the material has a flame spread rating of "B" or better, then any approved wall material is allowed. These regulations do not apply to the underlying deck support material but note that all deck support material must be pressure treated or naturally resistant to decay.