



*Fire Marshal's Office
San Mateo County Fire*

CAL FIRE

2010 CRC –R327 Development Worksheet

Project is located in State Responsibility Area (SRA): Yes No

If in SRA, is project in a Very High Fire Hazard Severity Zone (VHFHSZ): Yes No

Project is located in Local Responsibility Area (LRA): Yes No

If in LRA, is project in a Very High Fire Hazard Severity Zone (VHFHSZ): Yes No

Applicable Code Section(s)	OK	N/A	Approved Material (if applicable)	Location On Plans
Roofing				
Class B minimum (SM Co Div VII, Sec 9113; 2010 CRC R902.1.2)				
Class A in VHFHSZ (2010 CRC R902.1.1)				
Where roof profile allows for a space between the roof covering and deck, the spaces shall be constructed to prevent the intrusion of flames and embers, fire stopped or have one layer of No. 72 ASTM D 3909 cap sheet over the combustible decking. (R327.5.2)				
Valley flashings min. 0.019-inch (No 26 galv.) corrosion resistant metal over 36 inch wide underlayment of No. 72 lb mineral-surfaced nonperforated ASTM D 3909 cap sheet. (R327.5.3)				
Roof gutters shall be provided with the means to prevent the accumulation of debris. (R327.5.4)				

Applicable Code Section(s)	OK	N/A	Approved Material (if applicable)	Location On Plans
Vents				
Ventilation openings for attics, enclosed eave soffits, enclosed rafter spaces and underfloor areas shall be non-combustible, corrosion resistant, and have wire mesh with 1/16 th to 1/8 th inch (1.6-3.2 mm) openings or its equivalent. (R327.6.2)				

Eave Vents				
Vents shall not be installed in eaves and cornices. Exceptions: 1. Approved flame and ember resistant vents. 2.1 Attic is fully protected by an automatic fire sprinkler system, and 2.2 Exterior wall and underside of eave is non-combustible, and is more than 12 ft from ground, patio, porch, deck or similar surface. (R327.6.3)				

Exterior Coverings				
Exterior walls shall comply with one of the following (R327.7.3): 1. Noncombustible material 2. Ignition-resistant material 3. One layer of 5/8" type X gypsum sheathing behind exterior covering. 4. 1-hour fire resistant exterior assembly. 5. Heavy-timber exterior wall assembly 6. Log wall construction. 7. Wall assemblies meeting SFM 12-7A-1				
Open Roof Eaves: The exposed roof deck on the underside of the roof eave shall comply with one of 1 through 4 as for exterior walls above (R327.7.4). Ex: 1. 2" nominal solid wood rafter tails. 2. 2" nominal solid wood blocking between rafter tails. 3. Fascia and other architectural trim boards.				

Applicable Code Section(s)	OK	N/A	Approved Material (if applicable)	Location On Plans
Exterior Coverings (continued)				
<p>The exposed underside of enclosed roof eaves and roof eave soffits shall be protected by one of the 1 through 4 items as for exterior walls or have boxed in soffits meeting SFM 7A-3 (R327.7.5). Ex: Fascia and other architectural trim boards.</p>				
<p>Exterior porch ceilings shall be protected by one of the 1 through 4 items as for exterior walls or have porch ceiling assemblies meeting SFM 7A-3 (R327.7.6). Ex: Architectural trim boards.</p>				
<p>Exposed underside of floor projections shall be protected by one of the 1 through 4 items as for exterior walls or have an underside assembly meeting SFM 7A-3 (R327.7.7). Ex: Architectural trim boards.</p>				
<p>The underfloor area of overhangs, or elevated buildings; and underside of appendages shall be enclosed to grade or the underside shall be protected by one of the 1 through 4 items as for exterior walls or have an assembly meeting SFM 7A-3 (R327.7.8 & R327.7.9). Ex: Heavy-timber structural columns and beams do not require protection.</p>				

Exterior Glazing				
<p>Exterior windows, glazed doors, glazed openings within exterior doors and structural glass veneer shall be constructed of one of the following: Note - Provide on window schedule and call out on floor plan. (R327.8.2)</p> <ol style="list-style-type: none"> 1. Multipane glass units with a minimum of one tempered pane meeting Section 2406 Safety Glazing. 2. Glass block units. 3. 20 minute minimum Fire Rated Window. 4. Meet SFM 12-7A-2. 				

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Doors				
Exterior door assemblies, including garage doors, shall comply with one of the following (R327.8.3): <ol style="list-style-type: none"> 1. Surface or cladding be of non-combustible, or ignition-resistant material. 2. Constructed of solid core wood having stiles and rails not less than 1-3/8" with interior field panel thickness no less than 1-1/4" thick. 3. Have a fire resistance rating of not less than 20 minutes. 4. Meet SFM 12-7A-1 				
Decking				
The walking surface material of decks, porches, balconies and stairs shall be constructed of one of the following where any portion of such surface is within 10 ft. of the structure (R327.9.3): <ol style="list-style-type: none"> 1. Ignition-resistant materials that complies with SFM 12-7A-4 and 12-7A-5. 2. Exterior fire-retardant-treated wood. 3. Noncombustible material. 4. Material complying with SFM 12-7A-4A when attached to a noncombustible or ignition resistant wall covering. Ex: When decking surface material meets ASTM E 84, Class B flame spread, the wall material can of any that other wise complies with R327.7.3. 				
Accessory Structure				
Trellises, arbors, patio covers, carports, gazebos and similar structures attached to applicable buildings and detached buildings within 50 ft shall be constructed of noncombustible or ignition resistant material. (R327.10)				