MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE:

- Roof coverings shall be Class A as specified in Section R902.1. Where the roof profile allows a space between the roof covering and the roof decking, the spaces shall be constructed to prevent the intrusion of flames and embers, be firestopped with approved materials or have one layer of 72 pound mineral-surfaced nonperforated cap sheet complying with ASTM D3909 installed over the combustible decking. Wood shingles and wood shakes are prohibited. [§R337.5.2 CRC]

- Exterior wall covering or wall assembly shall be approved noncombustible material, ignition-resistant material, heavy timber, log wall construction or shall meet the performance criteria of SFM-7A-1. Exterior windows and exterior glazed doors shall be multipane glazing with a minimum of one tempered pane, glass block units, have a fire resistance rating of 20 minutes when tested in accordance with NFPA 252 or meet the requirements of SFM-7A-1. [§R337.7.3 CRC]

- Vent openings shall be covered with a noncombustible, corrosion resistant material having not less than 20 minutes fire resistance and shall not exceed 1/8-inch. Roof and underfloor vents shall be protected by corrosion-resistant, noncombustible wire mesh with openings a minimum of 1/16-inch and shall not exceed 1/8-inch. [§R337.6.2 CRC]

- Roofing shall be multi-layered using approved noncombustible materials, fire retardant treated wood, heavy timber, or one-hour construction with combustible or noncombustible covers. [§R337.10.2 CRC, §R337.8.2.1 CRC]

- Exterior doors shall be noncombustible materials, fire retardant-treated wood, noncombustible material or meet the requirements of SFM 12-7A-4A when the exterior wall covering is either noncombustible or ignition-resistant. Exterior wall covering or wall assembly shall be approved noncombustible material, ignition-resistant material, heavy timber, log wall construction or shall meet the performance criteria of SFM 12-7A-3 or ASTM E2957. Heavy timber shall be treated with a Type I fire retardant complying with ASTM E2390 or meet the requirements of SFM 12-7A-3. [§R337.7.4 CRC]

- Roof and underfloor vents shall be protected by corrosion-resistant, noncombustible wire mesh with openings a minimum of 1/16-inch and shall not exceed 1/8-inch. [§R337.6.2 CRC]

- Roof coverings shall be Class A as specified in Section R902.1. Where the roof profile allows a space between the roof covering and the roof decking, the spaces shall be constructed to prevent the intrusion of flames and embers, be firestopped with approved materials or have one layer of 72 pound mineral-surfaced nonperforated cap sheet complying with ASTM D3909 installed over the combustible decking. Wood shingles and wood shakes are prohibited. [§R337.5.2 CRC]

- Exterior wall covering or wall assembly shall be approved noncombustible material, ignition-resistant material, heavy timber, log wall construction or shall meet the performance criteria of SFM 12-7A-3 or ASTM E2957. Heavy timber shall be treated with a Type I fire retardant complying with ASTM E2390 or meet the requirements of SFM 12-7A-3. [§R337.7.4 CRC]

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