Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

Wildland-Urban Interface Conformance Checklist for Stick Built and Manufactured Homes

2025 Wildland-Urban Interface Code , and PMC 8.58.060
Wildland-Urban Interface (WUI) Fire Conformance Checklist
(The use of paints, coatings, stains, or other surface treatments are not an approved method of protection as required in this chapter.)

APPLICABILITY: ☐ All new Residential buildings, new Commercial buildings, and Additions and Alterations to buildings shall comply with WUI.
Exception: Buildings of an accessory character classified as Group U occupancy of any size when located at least 50 feet from an applicable building on the same lot.

PLEASE COMPLETE AND INCORPORATE THE FOLLOWING CHECKLIST INTO CONSTRUCTION DOCUMENTS TO DEMONSTRATE PROPOSED MATERIALS COMPLY WITH THESE REQUIREMENTS.

All materials shall bear identification showing the fire performance rating thereof. Listed products can be found using the following link: https://calfire.govmotus.org/BMLSearch/Index
That identification shall be issued by ICC-ES or a testing facility recognized by the State Fire Marshal having a service for inspection of materials at the factory. **Field inspector to verify identification prior to it being covered and/or concealed**.

PMC 8.58.060 DEFENSIBLE SPACE/HAZARDOUS FUEL MANAGEMENT REQUIREMENTS

☐ Maintain immediately around and adjacent to any building or structure free of combustible materials. Only noncombustible material shall be allowed within five (5) feet of any building or structure. No vegetation shall exist within or overhang within five (5) feet of the structure. Any overhanging limbs or branches shall be removed. All exterior walls shall have a six (6) inch noncombustible vertical clearance from grade.

☐ All unattached accessory structures and outbuildings shall be a minimum of ten (10) feet away from the primary dwelling.

☐ Remove or prune flammable plants and shrubs near windows and under eave vents (a recommended no-planting zone). Combustible materials shall not be stored under decks and the area under decks shall be maintained free of vegetative material. Decks or porches four (4) feet or less above the grade shall be fully enclosed to reduce the accumulation of debris with noncombustible wall material. Noncombustible, corrosion-resistant mesh material with openings not to exceed one-eighth (⅛) inch may be used.

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

☐ Fencing material constructed of combustible material shall not be within five (5) feet from any structure. All fencing shall be a single line; back-to-back fencing is not permitted in which fences are nominally parallel and spaced less than three (3) feet apart.

WUI Appendix A Section A102 - VEGETATION CONTROL

Provide documentation (on plot plan, or landscape plan) of compliance with PRC 4291. We suggest scheduling design/pre-construction meeting with the Fire Marshal to review/clarify what their requirements will be for your particular parcel/project.

☐ Plans shall specify and demonstrate requirement to maintain fire break:

☐ Remove and clear away all flammable vegetation or combustible growth for 30' from each side of building.

☐ Remove any tree limbs within 10 feet of chimney outlet.

☐ Eliminate any dead wood from trees overhanging building. Maintain the roof to be free of leaves, needles or dead vegetation.

☐ Inspection and written approval by the Fire Marshal shall be obtained prior to final of the building permit (Fire Marshall to sign inspection card).

WUI Section 504.2.1 Roof Covering Voids:

Is space proposed between the roof covering and roof decking? ☐ Yes ☐ No

If yes, the spaces shall be constructed to prevent the intrusion of flames and embers, and be fire stopped with approved materials, or have one layer of No. 72 ASTM D3909 cap sheet installed over the combustible decking. Provide detail for method of compliance, incorporate into plans and provide reference to detail location: _____.

WUI Section 504.2.2 Roof Valleys:

☐ Assume shingle overlap proposed in valleys – Please verify: ☐ Yes ☐ No

Or if metal flashing will be incorporated in valleys, it shall be not less than 0.019-inch (0.48 mm) (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch wide underlayment consisting of one layer of No. 72 ASTM D3909 cap sheet running the full length of the valley. Provide detail and/or notation on section drawing(s) of plans and provide reference to detail/specification location: _____.

WUI Section 504.4 Roof gutters and Downspouts:

☐ Roof gutters and downspouts of a non-combustible material shall be provided with the means to prevent the accumulation of leaves and debris in the gutter. Indicate where specification has been incorporated into drawings: _____.

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

WUI Section 504.10 Vents:

☐ Ventilation openings for enclosed attics, gable ends, ridge ends, under eaves and cornices, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor ventilation, foundations and crawl spaces, or any other opening intended to permit ventilation, shall resist building ignition from the intrusion of burning embers and flame through the ventilation openings. Ventilation openings shall be fully covered with Wildfire Flame and Ember Resistant vents approved and listed by the California State Fire Marshal, or WUI vents tested to ASTM E2886

WUI Section 504.10.2 Off Ridge and Ridge Vents

☐ Vents that are installed on a sloped roof, such as dormer vents, shall comply with all the following:

1. Vents shall be covered with a mesh where the dimensions of the mesh therein shall be a minimum of 1/16 inch (1.6 mm) and shall not exceed 1/8 inch (3.2 mm) in diameter.
2. The vent and mesh material shall be noncombustible.
3. The vent and mesh material shall be corrosion resistant.

WUI Section 504.10.3 Vent Locations

▭ Gable-end and dormer vents shall be located not less than 10 feet from lot lines. Underfloor ventilation openings shall be located as close as possible to grade as practical.

☐ Plans shall define and detail how attic, rafter bays, underfloor ventilation, foundations and crawl spaces will be vented.

☐ Detail/indicate how proposed attic, rafter bays, underfloor ventilation, foundations and crawl spaces will resist the intrusion of flame and embers into attic/rafter bay area of the structure.

(Specify product Company Name/ Description _____)

☐ Listed by SFM ☐ or Approved by Building Official

-If a non-vented roof or foundation system is proposed:

☐ Provide manufacturer's specifications and detailing for non-vented system, including air and water permeability testing data.

WUI Section 504.5 EXTERIOR COVERINGS

504.5 Exterior walls: Exterior wall coverings or wall assemblies shall comply with one or more of the following: Check all that apply.

☐ Noncombustible material (verify and document compliance with definition per CBC 202–ASTM E136)

☐ Heavy Timber exterior wall assembly □ Log Wall Construction □ Ignition –Resistant Material (per 504.5)

☐ Standard SFM 12-7A-1 (specify product Company Name, Description, Test Protocol and Flame Spread _____). Listed in SFM Handbook? ☐ Yes ☐ No (provide test data)

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

☐ One layer of 5/8" Type X gypsum sheathing applied behind the exterior covering or cladding on the exterior side of the framing
☐ The exterior portion of a 1-hour fire resistive exterior wall assembly designed for exterior fire exposure including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual

☐ Wall assemblies that have been tested in accordance with the test procedures for a 10-minute direct flame contact exposure test set forth in ASTM E2707 with the conditions of acceptance shown in Section 504.9.3

☐ Wall assemblies suitable for exterior fire exposure with a 1-hour fire-resistance rating, rated from the exterior side, as tested in accordance with ASTM E119 or UL 263.

WUI Section 504.2.1 EXTENT of EXTERIOR WALL COVERING

Exterior wall covering 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.
☐ Specify where notation has been detailed/noted on plans: _____.

WUI Section 504.3.1 Protection of Open roof eaves:
Proposing open roof eaves? ☐ Yes ☐ No
If yes, identify roof eave compliance method. The exposed roof deck on the underside of unenclosed roof eaves shall consist of one or more of the following:
Check all that apply.
☐ Noncombustible material
☐ Ignition-resistant material
☐ Fire-retardant-treated wood labeled for exterior use and complying with Section 2303.2 of the California Building Code.
☐ Materials approved for not less than 1-hour fire-resistance-rated construction on the exterior side, as tested in accordance with ASTM E119 or UL 263.
☐ One layer of $^{5}/_{8}$-inch (16 mm) Type X gypsum sheathing applied behind an exterior covering on the underside of the roof deck.
☐ The exterior portion of a 1-hour fire-resistance-rated exterior assembly, as tested in accordance with ASTM E119 or UL 263, applied to the underside of the roof deck designed for exterior fire exposure, including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual.

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

Facias, if provided, shall be of fire-retardant-treated wood labeled for exterior use and complying with Section 2303.2 of the California Building Code, ignition-resistant building materials, materials approved for not less than 1-hour fire-resistance-rated construction or 2-inch (51 mm) nominal dimension lumber.

WUI Section 504.3 Enclosed roof eaves and roof eave soffits*:*
Proposing enclosed eaves? ☐ Yes ☐ No
If yes, the exposed underside of enclosed roof eaves and soffits shall be protected by one or more of the following:
☐ Non-combustible material ☐ Ignition-resistant material

- ☐ Materials approved for not less than 1-hour fire-resistance-rated construction on the exterior side, as tested in accordance with ASTM E119 or UL 263.
- ☐ 2-inch (51 mm) nominal dimension lumber.
- ☐ 1-inch (25 mm) nominal fire-retardant-treated lumber or $^{3}/_{4}$-inch (19.1 mm) nominal fire-retardant-treated plywood, identified for exterior use and complying with Section 2303.2 of the California Building Code.
- ☐ Boxed-in roof eave soffit assemblies with an underside that meets the performance criteria in Section 504.7.2 when tested in accordance with the test procedures set forth in ASTM E2957.

☐ Boxed-in roof eave soffit assemblies with a horizontal underside that meet the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3.
Facias are required and shall be ignition-resistant building materials, fire-retardant-treated wood labeled for exterior use and complying with Section 2303.2 of the California Building Code, materials approved for not less than 1-hour fire-resistance-rated construction or 2-inch (51 mm) nominal dimension lumber.

WUI Section 504.6 Underfloor Enclosure

Buildings or structures shall have underfloor areas enclosed to the ground with exterior walls in accordance with Section 504.5.

Exception: Complete enclosure shall not be required where the underside of exposed floors and exposed structural columns, beams and supporting walls are protected as required for exterior 1-hour fire-resistance-rated construction or heavy timber construction or fire-retardant-treated wood. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the California Building Code.

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

WUI Section 504.7 Projections

Unenclosed accessory structures attached to buildings with habitable spaces and projections, other than decks, shall be heavy timber construction or constructed of one of the following:

- ☐ Noncombustible materials.
- ☐ Fire-retardant-treated wood identified for exterior use and meeting the requirements of Section 2303.2 of the California Building Code.
- ☐ Ignition-resistant building materials in accordance with Section 503.2.
- ☐ Materials approved for not less than 1-hour fire-resistance-rated construction on the exterior side, as tested in accordance with ASTM E119 or UL 263.
- ☐ One layer of $^{5}/_{8}$-inch (15.9 mm) Type X gypsum sheathing applied behind the exterior covering on the underside of the ceiling.
- ☐ The exterior portion of a 1-hour fire-resistance-rated exterior assembly, as tested in accordance with ASTM E119 or UL 263, applied to the underside of the ceiling assembly, including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual.
- ☐ The underside of a floor projection assembly that meets the performance criteria in Section 504.7.2 when tested in accordance with the test procedures set forth in ASTM E2957.
- ☐ The underside of a floor projection assembly that meets the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3.

WUI Section 504.7.1 Underside of Projections

The underside of projections shall be enclosed to grade in accordance with the requirements of this chapter or the underside of the exposed underfloor shall be protected by one or more of the following:

- ☐ Noncombustible material.
- ☐ Ignition-resistant building material shall be labeled for exterior use and shall meet the requirements of Section 503.2.
- ☐ Fire-retardant-treated wood shall be labeled for exterior use and shall meet the requirements of Section 2303.2.
- ☐ Materials approved for not less than 1-hour fire-resistance-rated construction on the exterior side, as tested in accordance with ASTM E119 or UL 263.
- ☐ One layer of $^{5}/_{8}$-inch (15.9 mm) Type X gypsum sheathing applied behind an exterior covering on the underside of the floor projection.

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

- ☐ The exterior portion of a 1-hour fire-resistance-rated exterior assembly, as tested in accordance with ASTM E119 or UL 263, applied to the underside of the floor, including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual.
- ☐ The underside of a floor assembly that meets the performance criteria in Section 504.7.2 when tested in accordance with the test procedures set forth in ASTM E2957.
- ☐ The underside of a floor assembly that meets the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3.

Exception: Structural columns and beams are not required to be protected in accordance with Section 504.7.1 when constructed with sawn lumber or glue-laminated wood with the smallest minimum nominal dimension of 4 inches (102 mm). Sawn or glue laminated planks shall be splined, tongue-and-groove, or set close together and well spiked.

WUI SECTION 504.7.3 DECKS
The walking surface material of decks, porches, balconies and stairs shall comply with the requirements of Sections 504.7.3.1 through 504.7.3.4.

WUI SECTION 504.7.3.1 Flashing

A minimum of a 6-inch (150 mm) metal flashing, applied vertically on the exterior of the wall, shall be installed at all deck-to-wall intersections.

WUI SECTION 504.7.3.2 Decking Surfaces

The walking surface material of decks, porches, balconies and stairs shall be constructed with any of the following materials:

- ☐ Material that complies with the performance requirements of Section 504.7.3.3 when tested in accordance with ASTM E2632 and ASTM E2726.
- ☐ Ignition-resistant building material that complies with the performance requirements of Section 503.2.4.
- ☐ Material that complies with the performance requirements of both SFM Standard 12-7A-4 and Section 503.2.4.
- ☐ Fire-retardant-treated wood labeled for exterior use and complying with Section 2303.2 of the California Building Code.
- ☐ Noncombustible material.

- ☐ Any material that complies with the performance requirements of SFM Standard 12-7A-4A and any attached exterior wall covering that is noncombustible or ignition-resistant building materials.

Exception: Wall material shall be permitted to be of any material that otherwise complies with this chapter when the decking surface material complies with the performance requirements of ASTM E84 or UL 723 with a Class B flame spread index.

- ☐ Any material that complies with the performance requirements of Section 504.7.3.4 when tested in accordance with ASTM E2632 and any attached exterior wall covering that is noncombustible or ignition-resistant building materials.

Exception: Wall material shall be permitted to be of any material that otherwise complies with this chapter when the decking surface material complies with the performance requirements of ASTM E84 or UL 723 with a Class B flame spread index.

WUI Section 504.8 EXTERIOR GLAZING
Exterior windows, window walls and glazed doors, windows within exterior doors, and skylights shall be constructed of any of the following:

- ☐ Multilayered glazed panels with at least one pane of tempered glass complying with Section 2406 of the California Building Code.
- ☐ Glass block.
- ☐ Glazing with a fire-protection rating of not less than 20 minutes when tested according to NFPA 257 or UL 9, and shall be exempt from the hose stream test.
- ☐ Glazing meeting the performance requirements of SFM Standard 12-7A-2.

WUI Section 504.8.2 Operable skylights:
Operable skylights shall be protected by a noncombustible mesh screen where the dimensions of the openings in the screen where the dimensions of the opening in the screen shall not exceed 1/8 inch.

WUI Section 504.8.1 Structural glass veneer:
The wall assembly behind the structural glass veneer shall comply with Section 504.5.

WUI Section 504.9 Exterior doors:
Exterior doors shall be constructed in accordance with any of the following:

- ☐ Noncombustible construction.
- ☐ Solid-core wood not less than $1^3/_4$ inches thick (44 mm).

- ☐ The exterior door shall be constructed of solid core wood that complies with the following requirements:
  - ☐ Stiles and rails shall not be less than 1 $^{3}/_{8}$ inches (35 mm) thick.
  - ☐ Raised panels shall not be less than $1^{1}/_{4}$ inches (32 mm) thick, except for the exterior perimeter of the raised panel that shall be permitted to taper to a tongue not less than $^{3}/_{8}$ inch (10 mm) thick.
- ☐ Have a fire protection rating of not less than 20 minutes when tested according to NFPA 252, UL 10B or UL 10C.
- ☐ The exterior surface or cladding meeting the performance requirements of Section 504.9.3 when tested in accordance with ASTM E2707.
- ☐ The exterior surface or cladding shall be tested to meet the performance requirements of SFM Standard 12-7A-1.

Windows within doors and glazed doors shall be in accordance with Section 504.8.

WUI Section 504.9.1 Garage Doors: Automatic garage door openers for vehicle doors serving a residential building shall be equipped with a battery backup function.

WUI Section 504.9.2 Garage Door Perimeter Gap. Exterior garage doors shall resist the intrusion of embers from entering by preventing gaps between doors and openings at the bottom, sides and tops of doors, from exceeding 1/8 inch. Gaps between doors and door openings shall be controlled by the methods listed in this section.
☐ Weather stripping products made of materials that: (a) have been tested for tensile strength in accordance with ASTM D638 (Standard Test Method for Tensile Properties of Plastics) after exposure to ASTM G155 (Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials) for a period of 2,000 hours, where the maximum allowable difference in tensile strength values between exposed and nonexposed samples does not exceed 10 percent and (b) exhibit a V-2 or better flammability rating when tested to UL 94, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances.
☐Door overlaps onto jambs and headers.
☐Garage door jambs and headers covered with metal flashing.

WUI SECTION 504.11.6 ROOF CONSTRUCTION

Roof assemblies and roof coverings of accessory buildings required to be constructed entirely of noncombustible materials or of ignition-resistant building materials shall comply with Sections 504.2 and 504.2.1. Roofs shall have a roofing assembly installed in accordance with its listing

Town of Paradise
Community Development Department
Building Resiliency Center
6295 Skyway
Paradise, CA 95969
(530) 872-6291 x411

and the manufacturer's installation instructions. Roof assemblies in Fire Hazard Severity Zones shall comply with a Class A fire classification when tested in accordance with ASTM E108 or UL 790.