



# Town of Portola Valley

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## 2022 CBC Chapter 7A Conformance Checklist

This check list is intended to provide guidance and documentation of compliance to the Wildland Urban Interface requirements for all building and structures other than one- and two-family dwellings, town homes and their accessory structures.

Per CBC 701A.4 *"The local building official shall, prior to construction, provide the owner or applicant a certification that the building as proposed to be built complies with... all WUI materials and construction methods for wildfire exposure."* All materials shall bear identification showing the fire performance rating thereof. That identification shall be issued by ICC-ES or a testing facility recognized by the State Fire Marshall having a service for inspection of materials at the factory.

**Please complete and incorporate the following checklist into construction documents to demonstrate proposed materials comply with these requirements.**

### 701A.5 VEGETATION CLEARANCE

Inspection and written approval by the Fire Marshall shall be obtained prior to final of the building permit.

### 705A ROOFING

#### 705A.2 Roof Coverings:

The minimum roof coverings installed on buildings shall be Class A rated tested in accordance with ASTM E108 or UL 790 such as concrete, tile, metal or slate. Wood roof coverings are prohibited

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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**Yes**  **No** - Is space proposed between the roof covering and combustible roof decking?

*If yes:*

Please provide on plan drawing(s) a detail and/or notation specifying the spaces shall be constructed:

1. To prevent the intrusion of flames and embers as specified by CBC Section 705A.2;
2. Constructed to protect the combustible roof deck in compliance with CBC Section 705A.2.

**Please provide reference to detail/specification location here:**

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705A.3 Roof Valleys:

- Yes**  **No** – Is valley flashing being proposed for use in roof valleys?

*If yes:*

Please provide on plan drawing(s) a detail and/or notation specifying the valley flashing 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 cap sheet running the full length of the valley.

**Please provide reference to detail/specification location here:**

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*If no:*

Please provide on plan drawing(s) a detail and/or notation showing compliance to CBC Section 1507.2.8.2 for a closed valley.

**Please provide reference to detail/specification location here:**

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705A.4 Roof gutters:

- Please provide on plan drawing(s) a detail and/or notation specifying the roof gutters shall be provided with the means to prevent the accumulation of leaves and debris in the gutter.

**Please provide reference to detail/specification location here:**

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**1202 VENTILATION**

1202.2 Roof Ventilation:

- Yes**  **No** – Is the attic to be vented?

*If yes:*

1. Please provide on plan drawing(s) a detail and/or notation specifying that vents will be either WUI vents approved and listed by the State Fire Marshall or WUI

vents listed to ASTM E2886 by complying with the requirements of CBC section 706A.2.

*Please provide all product information including the company name, product description, product specification and test protocol.*

**Please provide reference to detail/specification location here:**

\_\_\_\_\_.

2. Please provide on plan drawing(s) a detail and/or notation the calculation showing the net free ventilating area complies with the requirements of CBC section 1202.2 based on the WUI vent opening size.

**Please provide reference to detail/specification location here:**

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*If no:*

Please provide on plan drawing(s) a detail and/or notation showing compliance to CBC section 1202.3 including but not limited to manufacturer's specifications, detailing for non-vented system, air and water permeability testing data.

**Please provide reference to detail/specification location here:**

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1202.4 Under-floor ventilation

Please provide on plan drawing(s) a detail and/or notation specifying that vents will either be WUI vents approved and listed by the State Fire Marshall or WUI vents listed to ASTM E2886 by complying with the requirements of CBC section 706A.2.

*Please provide all product information including the company name, product description, product specification and test protocol.*

**Please provide reference to detail/specification location here:**

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Please provide on plan drawing(s) a detail and/or notation the calculation showing the net free ventilating area complies with the requirements of CBC section 1202.4 based on the WUI vent opening size.

**Please provide reference to detail/specification location here:**

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**707A. EXTERIOR COVERINGS**

707A.3 Exterior walls (as amended by the Town of Portola Valley):

Please provide on plan drawing(s) a detail and/or notation showing specifying the exterior walls and exterior columns supporting roof structures and trellises shall be noncombustible as defined in CBC section 202.

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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707A.3.1 Extent of exterior walls

Please provide on plan drawing(s) a detail and/or notation specifying the 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.

**Please provide reference to detail/specification location here:**

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707A.6 Enclosed roof eaves and roof eave soffits (as amended by the Town of Portola Valley):

Open roof eaves are prohibited per 707A.5 as amended by the Town of Portola Valley. Please provide on plan drawing(s) a detail(s) the exposed underside of enclosed roof eaves having either a boxed-in roof soffit with a horizontal underside, or sloping rafter tails with an exterior covering applied to the underside of the rafter tails, shall be protected by one or more of the following:

1. Noncombustible material.
2. Ignition-resistant material. The ignition-resistant material shall be labeled for exterior use and shall meet the requirements of Section 707A.2.
3. 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.
4. Boxed-in roof eave soffit assemblies with a horizontal underside that meets the performance criteria in Section 707A.11 when tested in accordance with the test procedures set forth in ASTM E2957.
5. Boxed-in roof eave soffit assemblies with a horizontal underside that meets the performance criteria in accordance with the test procedures set for the in SFM Standard 12-7A-3.

**Please provide reference to detail/specification location here:**

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707A.7 Exterior porch ceilings (as amended by the Town of Portola Valley):

- The exposed underside of exterior porch ceilings shall be protected by one or more of the following:
  1. Noncombustible material.
  2. Ignition-resistant material. **The ignition-resistant** material shall be labeled for exterior use and shall meet the requirements of Section 707A.2.
  3. 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.
  4. Porch ceiling assemblies with a horizontal underside that meets the performance criteria in Section 707A.10 when tested in accordance with the test procedures set forth in ASTM E2957.
  5. Porch ceiling assemblies with a horizontal underside that meets the performance criteria in accordance with the test procedures set for the in SFM Standard 12-7A-3.

**Please provide reference to detail/specification location here:**

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707A.8 Floor projections (as amended by the Town of Portola Valley):

- Yes**  **No** – Are there any underfloor areas elevated or overhanging the building?

**If yes:**

Please provide on plan drawing(s) a detail and/or notation showing the exposed underside of the cantilevered floor projection where the floor assembly extends over an exterior wall protected by one or more of the following:

1. Noncombustible material.
2. Ignition-resistant material. **The ignition-resistant** material shall be labeled for exterior use and shall meet the requirements of Section 707A.2.
3. 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.
4. Underside of a floor projection assemblies with a horizontal underside that meets the performance criteria in Section 707A.10 when tested in accordance with the test procedures set forth in ASTM E2957.
5. Underside of a floor projection assemblies with a horizontal underside that meets the performance criteria in accordance with the test procedures set for the in SFM Standard 12-7A-3.

**Please provide reference to detail/specification location here:**

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707A.9 Underfloor protection (as amended by the Town of Portola Valley):

- Please provide on plan drawing(s) a detail and/or notation specifying the underside of exposed underfloor shall be enclosed to grade in accordance with the requirements of CBC section 707A as amended by the Town of Portola Valley or protected by one of the following:
  1. Noncombustible material.
  2. Ignition-resistant material. **The ignition-resistant** material shall be labeled for exterior use and shall meet the requirements of Section 707A.2.
  3. 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.
  4. Underside of floor assemblies with a horizontal underside that meets the performance criteria in Section 707A.11 when tested in accordance with the test procedures set forth in ASTM E2957.
  5. Underside of floor assemblies with a horizontal underside that meets the performance criteria in accordance with the test procedures set for the in SFM Standard 12-7A-3.

**Please provide reference to detail/specification location here:**

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707A.10 Underside of appendages (as amended by the Town of Portola Valley):

- Please provide on plan drawing(s) a detail and/or notation specifying the underside of appendages and floor projections shall be enclosed to grade in accordance with the requirements of CRC section 707A as amended by the Town of Portola Valley or shall consist of one of the following:
  1. Noncombustible material.
  2. Ignition-resistant material. **The ignition-resistant** material shall be labeled for exterior use and shall meet the requirements of Section 707A.2.
  3. 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.
  4. Underside of appendage assemblies with a horizontal underside that meets the performance criteria in Section 707A.11 when tested in accordance with the test procedures set forth in ASTM E2957.
  5. Underside of appendage assemblies with a horizontal underside that meets the performance criteria in accordance with the test procedures set for the in SFM Standard 12-7A-3.

**Please provide reference to detail/specification location here:**

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**708A EXTERIOR WINDOWS, SKYLIGHTS AND DOORS**

708A.2.1 Exterior windows, skylights, glazed door assembly requirements:

- Please provide on plan drawing(s) a detail and/or notation specifying exterior windows, skylights, and exterior door assemblies shall comply with one of the following:

1. Multipane glazing with a minimum of one tempered pane meeting the requirements of Section 2406 Safety Glazing;
2. Glass block units;
3. Fire-resistance rating of not less than 20 minutes, when tested according to NFPA 257;
4. Tested to meet performance requirements of SFM 12-7A-2

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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708A.2.2 Operable skylights:

- Operable skylights shall be protected by a noncombustible mesh screen where they dimension of the openings shall not exceed 1/8 inch (3.2mm).

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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708A.3 Exterior doors.

- Please provide on plan drawing(s) a detail and/or notation specifying exterior doors (including garage doors) shall comply with one of the following:
  1. Exterior surface or cladding shall be noncombustible material;
  2. Exterior surface or cladding shall be ignition-resistant material;
  3. Exterior door shall be constructed of 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;
  4. Exterior door assembly shall have a fire-resistance rating of not less than 20 minutes when tested according to NFPA 252;
  5. Exterior surface or cladding shall be tested to meet performance requirements of section 707A.3.1 when tested in accordance with ASTM E2707;
  6. Exterior surface or cladding shall be tested to meet performance requirements of standard SFM 12-7A-1.

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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708A.4 Garage door perimeter gap.

- Please provide on plan drawing(s) a detail and/or notation specifying garage doors shall have a perimeter gap meeting the requirements of Section 707A.4.

**Please provide reference to detail/specification location here:**

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**709A DECKING**

709A.3 Decking Surfaces (as amended by the Town of Portola Valley):

- The walking surface material of decks, porches, balconies and stairs shall be constructed with one of the following materials (*Check all that apply*):
  1. Material that complies with the performance requirements of Section 707A.4 when tested in accordance with both ASTM E2632 and ASTM E2726.
  2. Ignition-resistant material the complies with the performance requirements of Section 704A.3.
  3. Material that complies with the performance requirements of both SFM Standard 12-7A-4 and Section 707A.3.
  4. Noncombustible material.

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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R337.9.6 Deck structure protection (as amended by the Town of Portola Valley):

- Please provide on plan drawing(s) a detail and/or notation specifying combustible decks or similar structures less than four feet above grade shall be constructed using noncombustible decking material and the structure of exterior decks shall be enclosed from the underside of the deck to grade with solid, noncombustible or ignition resistant materials per 703A of the California Building Code.

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**



**710A Accessory Buildings and Miscellaneous Structures.**

710A.3 Where required (as amended by the Town of Portola Valley):

- Attached accessory buildings and miscellaneous structures shall be constructed in accordance with the structure to which they are attached. Detached accessory buildings and miscellaneous structures, unless specially exempted per subsection 701A.3 or exempted from permit as specified in Section 105.2. Please provide on plan drawing(s) a detail and/or notation specifying:
  1. Fences and gates located within 10 feet of an applicable building shall be noncombustible.
  2. Accessory buildings and detached miscellaneous structures, including those with a floor area of 120 square feet or less, constructed at a distance of less than 30 feet from a property line complying with the provisions of Chapter 7A.

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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710A.4 Roof construction (as amended by the Town of Portola Valley):

- Please provide on plan drawing(s) a detail and/or notation specifying roofs of accessory buildings are required to be constructed entirely of noncombustible or ignition-resistant materials complying with the requirements of Section 7A and Chapter 15. Roof coverings shall comply with section 705A.2 as amended by the Town of Portola Valley.

**Please provide reference to detail/specification location here:**

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**1505 FIRE CLASSIFICATION (Roofing Material)**

1505.1 General

The minimum roof coverings installed on buildings shall be Class A rated tested in accordance with ASTM E108 or UL 790 such as concrete, tile, metal or slate. Wood roof coverings are prohibited.

*Please provide all product information including the company name, product description, product specification, test protocol and flame spread.*

**Please provide reference to detail/specification location here:**

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**CPC SECTION 1211 ELECTRICAL BONDING AND GROUNDING**

Section 1211.7 Earthquake Actuated Gas Shutoff Valves

Earthquake-actuated gas shutoff valves designed to automatically shut off the gas at the location of the valve in the event of a seismic disturbance and certified by the State Architect as conforming to California Code of Regulations, Title 24, Part 12, Chapter, shall be provided for buildings.

*Please provide all product information including the company name, product description, product specification and test protocol.*

**Please provide reference to detail/specification location here:**

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