

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION

**VERY HIGH FIRE HAZARD
SEVERITY ZONE**
PLAN REVIEW LIST

GENERAL PROJECT INFORMATION

PLAN CHECK NO. _____ DISTRICT NO _____
JOB ADDRESS _____ CITY _____ ZIP _____

NOTE: Numbers in parenthesis () refer to Sections of the 2023 County of Los Angeles Building & Residential Codes.

INSTRUCTIONS

- Corrections with circled item numbers apply to this plan check.
- In the left-hand margin of the circled corrections, please indicate the sheet number and detail or note number on the plans where the corrections are made. Resubmit marked original plans and two corrected sets of plans, calculations and this plan review list.
- Incomplete, unclear, or faded drawings or calculations will not be accepted.
- Incorporate all comments as marked on checked set of plans and calculations and these correction sheets.

GENERAL REQUIREMENTS

New buildings, and any additions, alterations, or repairs made to existing buildings located in or moved within any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface WUI Fire Area designated by the Los Angeles County Fire Department shall comply with the following requirements.

Exception: Group U occupancy accessory buildings, agricultural buildings, Group C occupancy special buildings per limitations of Section 450.4.1, or miscellaneous structures located at least 50 ft. from an applicable building on the same lot. (701A.3; R337.1.3)

Paints, coatings, stains or other surface treatments are NOT AN APPROVED method of protection.
(R337.3.5.3/701A.5, 703A.5.3)

ROOFING

1. Roof covering shall be Class A as specified in Section 1505.2/R902.1. (R337.5/705A)
2. Detail the space between the roof covering and roof decking where the roof profile allows space; the spaces shall be constructed to prevent the intrusion of flames and embers, be fire stopped with approved materials, or provide one layer of 72-pound mineral-surfaced non-perforated cap sheet meeting ASTM D3909. (705A.2; R337.5.2)
3. Wood-shingle and wood-shake roofs are PROHIBITED regardless of classification. (705A.2; R337.5.2)
4. Hip and ridge caps shall be mudded in to prevent intrusion of fire or embers. Exception: Cap sheet is not required when no less than 1-inch of mineral wool board or other noncombustible material is located

between the roofing material and the wood framing deck. (705A; R337.5.2)

5. Valley flashings shall be not less than 0.019-inch (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a 36-in. wide underlayment consisting of one layer of 72-pound mineral-surfaced non-perforated cap sheet meeting ASTM D3909 or at running the full length of the valley. (705A.3; R337.5.3)
6. Not on plans: *Roof gutters shall be designed to prevent the accumulation of leaves and debris.* (705A.4; R337.5.4)

VENTS

7. Vent 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 in a horizontal or vertical plane, shall resist ignition from the intrusion of burning embers and flame through the vent openings. Vent openings shall comply with one of the following:
 - a. Fully covered with Wildfire Flame and Ember Resistant vents complying with ASTM E2886 OR
 - b. Protected by corrosion resistant, noncombustible wire mesh with min. 1/16" and max. 1/8" openings. (706A.2; R337.6.2)

EXTERIOR WALLS

8. Exterior wall covering or wall assembly shall meet one of the following:
 - a. Noncombustible construction
 - b. Ignition resistant material
 - c. Heavy Timber construction
 - d. Log Wall construction
 - e. Complies with ASTM E2707 and SFM Standard 12-7A-1
 - f. 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.
 - g. Exterior fire exposure containing one layer of 5/8-inch (15.9 mm) Type X gypsum sheathing applied behind the exterior wall covering or cladding on the exterior side of the framing.
 - h. Fire-retardant wood (R337.7.3/707A.3)

OPEN ROOF EAVES

9. Exposed roof deck on the underside of unenclosed roof eaves shall consist of one of the following:
 - a. Noncombustible material
 - b. Ignition-resistant material
 - c. Factory fire-retardant treated wood
 - d. One layer of 5/8" Type X applied behind an exterior covering on the underside exterior of roof deck
 - e. Exterior portion of a 1-hr fire resistive exterior wall assembly applied to the underside of roof deck designed for exterior fire exposure per Gypsum Association Fire Resistance Design Manual and tested in accordance with ASTM E119 or UL 263. (707A.5; R337.7.5)

ENCLOSED ROOF EAVES AND ROOF EAVE SOFFITS

10. Exposed underside shall be protected by one of the following:
 - a. Noncombustible material
 - b. Ignition-resistant material
 - c. Factory fire-retardant treated wood
 - d. One layer of 5/8" Type X applied behind an exterior covering on the underside of the rafter tails or soffit
 - e. Exterior portion of a 1-hr fire resistive exterior wall assembly applied to the underside of rafter tails or soffit per Gypsum Association Fire Resistance Design Manual as tested in accordance with ASTM E119 or UL 263.
 - f. Boxed-in roof eave soffit assemblies complying with SFM 12-7A-3 or ASTM E2957. (R337.7.6/707A.6)

EXTERIOR PORCH CEILINGS

11. Exposed underside shall be protected by one of the following:
 - a. Noncombustible material
 - b. Ignition-resistant material

- c. Factory fire-retardant treated wood
- d. One layer of 5/8" Type X applied behind an exterior covering on the underside of the ceiling
- e. Exterior portion of a 1-hr fire resistive exterior wall assembly applied to the underside of the ceiling assembly per Gypsum Association Fire Resistance Design Manual as tested in accordance with ASTM E119 or UL 263.
- f. Porch ceiling assemblies with a horizontal underside complying with SFM 12-7A-3 or ASTM E2957. (R337.7.7/707A.7)

FLOOR PROJECTIONS / UNDERFLOOR PROTECTION / UNDERSIDE OF APPENDAGES

12. Exposed underside shall be protected by one of the following:
 - a. Noncombustible material
 - b. Ignition-resistant material
 - c. Factory fire-retardant wood
 - d. 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.
 - e. One layer of 5/8" Type X applied behind an exterior covering on the underside of the floor projection
 - f. Exterior portion of a 1-hr fire resistive exterior wall assembly applied to the underside of the floor assembly per Gypsum Association Fire Resistance Design Manual as tested in accordance with ASTM E119 or UL 263.
 - g. Underside of a floor projection assembly meets Section 337.11
 - h. Underside of a floor assembly complying with SFM 12-7A-3 or ASTM E2957 (707A.8-10; R337.7.8-10)

EXTERIOR WINDOWS AND DOORS

13. Exterior glazing (Exterior windows, skylights and exterior glazed door assemblies) shall be MULTI-PANE units with a minimum of ONE TEMPERED PANE, or glass block units, or minimum 20-min. rated, or complies with SFM 12-7A-2
14. Exterior doors shall meet one of the following:
 - a. Noncombustible material
 - b. Ignition-resistant material
 - c. Solid core wood having stiles and rails not less than 1-3/8-in. thick with interior panel thickness not less than 1-1/4-in. thick
 - d. Minimum 20-min. rated
 - e. Complies with ASTM E2707 or SFM 12-7A-1

DECKING

15. Walking surface material of decks, porches, balconies and stairs shall be constructed with one of the following materials.
 - a. Ignition-resistant material that complies with SFM 12-7A-4 or Section 704A.3
 - b. Exterior fire-retardant treated wood
 - c. Noncombustible material

- d. Complies with SFM 12-7A-4A when attached exterior wall covering is also either noncombustible or ignition-resistant material.
- e. Material that complies with the performance requirements when tested in accordance with both ASTM E2632 and ASTM E2726.

(709A.3;R337.9.3)

ACCESSORY STRUCTURES

16. When any portion of an attached or detached accessory structure (trellises, arbors, patio covers, carports, gazebos and similar structures of an accessory or miscellaneous character) lies within 50 feet of an applicable building, it shall be constructed of:

- a. Noncombustible materials
- b. Ignition-resistant materials

(710A;R337.10)

ADDITIONAL COMMENTS
