



**Building and Safety
Permit Service Center**

All plans must be submitted in electronic format as an unsecured, flattened PDF with embedded fonts. Minimum 11"x17" sheet size.

This checklist is intended to provide information and improve consistency in local application and enforcement of the California Building Code requirements as they may apply to this project.

Numbers in parenthesis refer to code sections of the 2025 edition of the California Residential Code (CRC), California Electrical Code (CEC), California Mechanical Code (CMC), California Plumbing Code (CPC), California Energy Code (CEnC), California Wildland-Urban Interface Code (CWUIC) and California Green Building Standards Code (CGBSC).

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Code Compliance Checklist

WINDOWS AND DOORS

Project Information

Permit #:

Address:

Permit Submittal Requirements

Schematic Site Plan showing building footprint with distances to property lines and indicating locations of all exterior windows and doors to be replaced/relocated/added/ altered. The site plan shall also contain project information (i.e., project address, owner's information, scope of work statement).

Schematic Floor Plan(s) showing the size and use of all rooms and areas. Identify plan location of each window/door which is to be replaced/relocated/added/altered. *Note: site and floor plan information can be combined if clarity is maintained.*

Window Schedule or notes on the plans indicating each window size, type (e.g. fixed, casement, sliding, single/double hung, awning, etc.), window sill height, etc.

- Specify locations of all windows requiring safety glazing as set forth in CRC R324.4
- Specify locations of all windows required to meet emergency escape and rescue requirements of CRC R319.1
- Specify the U-factor and Solar Heat Gain Coefficient, when applicable.

Exterior Elevations for all affected sides of the structure where window/door sizes are being altered or new windows/doors are being added.

Structural Drawings, Details and Calculations can be required where the proposed scope of work includes new, relocated, or enlarged openings in exterior walls.

Code Requirements

Energy Code Requirements: Specify new and replacement fenestrations (e.g. windows, skylights and exterior doors with a glazed area of more than 25% of the door area) shall have a U-factor of 0.27 or less. Specify new and replacement doors separating conditioned space from outside or adjacent unconditioned space, except fire-rated garage doors, shall have a U-factor of 0.20 or less. [CEnC 150.1(c)3A, 150.1(c)5, 150.2(b)1B, 150.2(b)1N and Table 150.1-A]

Exceptions:

- Replacement of vertical fenestration no greater than 75 square feet with a U-factor no greater than 0.40.
- Replacement skylights must meet a U-factor no greater than 0.40, and a SHGC value no greater than 0.30.

Smoke Detectors: Dwellings are to be equipped with smoke alarms installed in the following locations: [CRC 310.3]

- In each existing sleeping room.
- Outside each separate sleeping area in the immediate vicinity of the bedrooms.
- On each story including basements and habitable attics and not including crawl spaces and uninhabitable attics.
- In a hallway serving bedrooms and in a room open to the hallway, where the ceiling height of the room open to the hallway exceeds that of the hallway by 24 inches or more.
- Installed not less than 3 feet horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by CRC R310.
- Within the room to which a sleeping loft is open, in the immediate vicinity of the sleeping loft.

Carbon Monoxide Alarms: Dwellings that have attached garages with an opening that communicates with the dwelling unit, or fuel burning appliances, or fire place are to be equipped with carbon monoxide alarms installed in the following locations: [CRC R311.3]

- Outside each separate sleeping area in the immediate vicinity of the bedrooms.
- On every occupiable level of a dwelling unit including basements.
- Where a fuel-burning appliance is located within a bedroom or its attached bathroom. A carbon monoxide alarm shall be installed within the bedroom.

Alarm Interconnection and Power: Smoke and carbon monoxide alarms are required to be interconnected such that activation of one alarm will activate all of the alarms and shall receive their primary power from the building wiring. Exception: Where repairs or alterations to existing buildings do not result in the removal of wall and ceiling finishes and there is no access by means of attic, basement or crawl space. [CRC R310.4 and R311.5]

Emergency Escape and Rescue: Basements, habitable attics, the room to which a sleeping loft is open, and every sleeping room are required to have at least one operable emergency escape and rescue opening that meets all of the following requirements: [CRC R319.2]

- A minimum net clear openable area of not less than 5.7 square feet. (An openable area of 5.0 square feet is allowed for openings located within 44 inches of the exterior grade.)
- A minimum net clear opening height of 24 inches.
- A minimum net clear opening width of 20 inches.
- Sill height not more than 44 inches above the floor.

Note: Please account for the size of the sash members when specifying the net size of the opening. The net clear opening dimensions shall be the result of normal operation of the opening from the inside of the room.

Window Fall Protection: Where the bottom of the clear opening of an operable window opening is located less than 24 inches above the finished floor and greater than 72 inches above the finished grade or other surface below on the exterior of the building, the operable window shall comply with one of the following: [CRC R321.2.1]

- Operable window openings will not allow a 4-inch-diameter sphere to pass through where the openings are in their largest opened position.
- Operable windows are provided with window opening control devices or fall prevention devices that comply with ASTM F2090.

Hazardous Locations:

Each pane of glazing installed in hazardous locations shall be provided with a manufacturer's designation indicating the type of glass and the safety glazing standard with which it complies. The designation shall be acid etched, sand blasted, ceramic-fired, laser etched, embossed, and visible in the final installation. The following is a list of the most common locations requiring safety glazing: [CRC R324.1]

Glazing in fixed and operable panels of swinging, sliding and bifold doors. [CRC R324.4.1]

Hazardous Locations (Continued):

Glazing in an individual fixed or operable panel adjacent to where the bottom exposed edge of the glazing is less than 60 inches above the floor or walking surface and it meets either of the following conditions: [CRC R324.4.2]

- Where the glazing is within 24 inches of either side of the door in the plane of the door in a closed position.
- Where the glazing is on a wall less than 180 degrees from the plane of the door in a closed position and within 24 inches of the hinge side of an in-swinging door.

Glazing in an individual fixed or operable panel that meets all of the following conditions: [CRC R324.4.3]

- The exposed area of an individual pane is larger than 9 square feet; and
- The bottom edge of the glazing is less than 18 inches above the floor; and
- The top edge of the glazing is more than 36 inches above the floor; and
- One or more walking surfaces are within 36 inches, measured horizontally and in a straight line, of the glazing.

Glazing in guards and railings, including structural baluster panels and nonstructural infill panels, regardless of area or height above a walking surface. [CRC R324.4.4]

Glazing in walls, enclosures or fences containing or adjacent to hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers and indoor or outdoor swimming pools where the bottom exposed edge of the glazing is less than 60 inches measured horizontally from the water's edge and less than 60 inches measured vertically above any standing or walking surface. [CRC R324.4.5]

Glazing installed where the bottom exposed edge of the glazing is less than 36 inches measured horizontally from the walking surface and less than 36 inches above the plane of the adjacent walking surface of flights of stairs, ramp runs, landings between flights of stairs and landings between ramp runs. [CRC R324.4.6]

Glazing adjacent to the landing at the bottom of a stairway where the glazing is less than 36 inches above the landing and within a 60-inch horizontal arc less than 180 degrees from the bottom tread nosing. [CRC R324.4.7]

Wildland-Urban Interface:

The following is required for projects located in a High Fire Hazard Severity Zone:

Exterior windows, window walls, glazed doors, and skylights shall be constructed of any of the following: [CWUIC 504.8]

- Multilayered glazed panels with at least one pane of tempered glass.
- Glass block.
- Glazing with a fire-protection rating of not less than 20 minutes when tested according to NFPA 257 or UL 9.
- Glazing meeting the performance requirements of SFM Standard 12-7A-2.

Operable skylights shall be protected by a noncombustible mesh screen and the dimensions of the openings in the screen shall not exceed 1/8 inch. [CWUIC 504.8.2]

Exterior doors shall be constructed in accordance with any of the following: [CWUIC 504.9]

- Noncombustible construction.
- Solid-core wood not less than 1-3/4 inches thick. Stiles and rails shall not be less than 1-3/8 inches thick. Raised panels shall not be less than 1-1/4 inches 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 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 shall be tested to meet the performance requirements of SFM Standard 12-7A-1 or ASTM E2707.

Wildland-Urban Interface (Continued):

Automatic garage door openers, if provided, shall be listed and labeled in accordance with UL 325. In accordance with Health and Safety Code Sections 19892, automatic residential garage door openers shall have a battery backup function that is designed to operate when activated because of an electrical outage. [CRC R317.4 and CWUIC 504.9.1]

Exterior garage doors shall resist the intrusion of embers by preventing gaps between doors and door openings, at the bottom, sides and tops of doors, from exceeding 1/8 inch. Gaps between doors and door openings shall be controlled by one or more of the following methods: [CWUIC 504.9.2]

- Weather-stripping products tested in accordance with ASTM D638, ASTM G155, and UL 94 with a flammability rating of V-2 or better.
- Door overlaps onto jambs and headers.
- Garage door jambs and headers covered with metal flashing.

Additional:

I certify that I have read and acknowledged all of the Code Requirements noted above. I accept full responsibility for complying with all of the above requirements, as applicable to my project. I further agree that if I fail to comply with the code requirements, due to error or omission, I will correct all deficiencies prior to final inspection.

Name	Signature			Date
Select One:	Contractor	Owner	Owner's Agent	