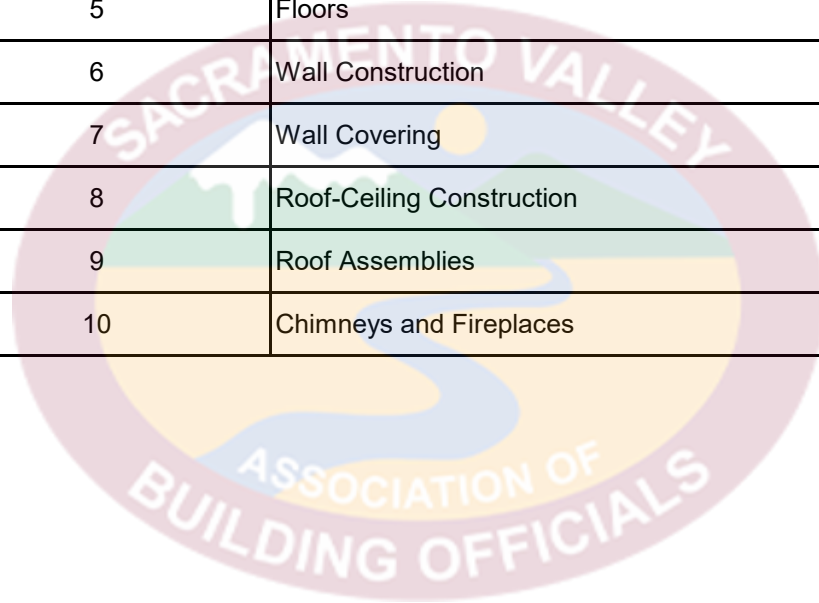


# 2022 California Residential Code Significant Changes

Chapter	Title
Part 2.5, CRC	
1	Scope and Administration
2	Definitions
3	Building Planning
4	Foundations
5	Floors
6	Wall Construction
7	Wall Covering
8	Roof-Ceiling Construction
9	Roof Assemblies
10	Chimneys and Fireplaces



## 2022 California Building Code Significant Changes

Code Section	Code Topic	Revision and Remarks
<b>Chapter 1</b>		
R105.2	Work exempt from permit	Exception 1: Allows application of CBC 710A (WUI) to structures under 120 sq. ft.
R105.5.1	Expiration	Language added to coincide with CA HSC 18938.5 and 18938.6.
R106.1	Construction Documents, General	Verbiage added to allow digital submittals
R114.3	Stop Work Order, Emergencies	New section, allows building official to stop work without written notice in emergencies.
<b>Chapter 2</b>		
R202	Child Care	A definition for "child care" has been added to be more consistent with the California Code of Regulations definition.
R202	Day Care	The definition of a "day care" has been modified to be more consistent with the California Code of Regulations definition.
R202	Emergency Escape and Rescue Opening and Grade Floor Emergency Escape and Rescue Opening	The definitions for an 'emergency escape and rescue opening' and a 'grade floor emergency escape and rescue opening' both have been clarified to be more consistent with the California Building Code.
R202	Entry Level	A definition for 'entry level' was added to clarify the term used in CRC section R327.
R202	Exterior Wall Assembly and Exterior Wall Covering	The definitions of 'exterior wall assembly' and 'exterior wall covering' both have been added to the code to clarify their differences, and to coincide with the splitting of section R337.7.3 into section R337.7.3 (for coverings) and section R337.7.4 (for assemblies.)
R202	Inflatable Amusement Device	A definition for an 'inflatable amusement device' was added to coincide with an amendment in the Referenced Standards that now includes ASTM F2374, Standard Practice for Design, Manufacturer, Operation and Maintenance of Inflatable Amusement Devices.
R202	Photovoltaic (PV) Panel System, Ground Mounted	A definition of 'photovoltaic (PV) panel system, ground mount' was added to provide a definition for this term utilized in R324.7 and to clarify between ground mounted photovoltaic systems and photovoltaic systems with an elevated support structure.
R202	Photovoltaic (PV) System, Support Structure Elevated	A definition of 'photovoltaic (PV) system, support structure' was added to clarify the intent of how elevated photovoltaic panel systems and their supports are defined and how the requirements are to be applied, specifically in regards to UL 1703 and the "type rating" as PV panels marked 'not fire rated' cannot be used on elevated/overhead PV structures that could have people or cars beneath them, with or without a full roof assembly.

Code Section	Code Topic	Revision and Remarks
R202	Toddler	A definition for 'toddler' was added to clarify the difference between a toddler and an infant for children between the ages of 18 months and 24 months.
R202	Townhouse	The definition of a 'townhouse' was clarified to mean a <i>building</i> containing three or more attached townhouse units.
R202	Townhouse Unit	A definition for 'townhouse unit' was added to clarify the difference between a townhouse [building] and a townhouse unit.
<b>Chapter 3</b>		
R301.1.4	Intermodal Shipping Containers	New. Provisions for shipping containers added.
R301.2.1	Wind speeds	Updated wind speeds to coordinate with the CBC and ASCE 7.
R301.2.2.6	Irregular Buildings	Hillside light-frame construction conditions have been added.
R302.2.2	Townhouses, Common walls	Allowance made for common walls to extend to the "inside face of exterior walls without stud cavities, or the wall may extend and terminate on two 2x studs in the exterior wall, similar to fireblocking. Allowance also made for water-filled sprinkler piping to be within common wall's cavity.
R302.3	Two family dwellings	Clarification made that one-hour assemblies separate two-family dwellings are required regardless of the presence of a lot line between the two dwelling units. The separation never need be greater than one-hour.
R302.4	Dwelling unit rated penetrations	Water-filled sprinkler piping of any approved material do not require a firestop at penetrations provided the annular space is filled with a compliant material.
R303.1	Light, Ventilation and Heating	Exception 2 added allowing a local exhaust system as a substitute for natural ventilation in kitchens.
R305.1	Ceiling Height	Exception 4 added allowing 6'-6" clear min. below beams spaced 36"-clear apart.
R310.1	Emergency Escape and Rescue Opening and Grade Floor Emergency Escape and Rescue Opening	Revised to correlate with CBC requirements.
R311.7, R311.8	Stairways, Ramps	Edits provided to clarify that these provisions apply only to stairways and ramps that are either within or attached to buildings.
R311.7.7	Stairway Walking Surfaces	Exception added to allow stair landings to slope 5% at locations where water drainage is necessary.

Code Section	Code Topic	Revision and Remarks
R312.2.1	Window opening height	Adds clarification that the window opening height used to determine the need for fall protection is measured from the floor.
R315.2.2	CO alarms; Additions, Repairs and Alterations	Exception 3 added, essentially requiring installation of CO alarms to be added when repairing fuel burning appliances, if CO alarms are not present.
R326	Habitable attics	New section, relocating provisions from R325.6 and modifying requirements plus exceptions. Where habitable attics occur above a third story, the building will be required to be equipped with an automatic sprinkler system.
R327	Aging-in-Place Design and Fall Prevention	New provisions to allow occupants to age in place. Provisions include: Installation and documentation of backing in wall framing for future grab bar installations in at least one entry floor bathroom. Limits locations of wiring devices to occur between 15" and 48" above finish floor. Effective 7/1/24, at least one bathroom and one bedroom on entry floor level must have a 32"-clear door opening width.
R328.8.1, R328.2, R328.3	Vehicle impact protection for ESS within garages	Specific requirements added and amended for ESS protection from vehicular impact.
R337	Materials and Construction Methods for Exterior Wildfire Exposure	Revisions mirror those in CBC Chapter 7A. Please see significant changes handout for Part 2.
<b>Chapter 4</b>		
Table R403.1(1) through R403.1(3)	Footings Below Light-Frame Construction	Table R403.1(1), (2), and (3) were revised to more accurately reflect current practice in regards to footing widths and thicknesses.
R406.2	Foundation Waterproofing	Six-mil polyvinyl chloride and polyethylene fabrics were removed from the list of approved waterproofing materials for concrete and masonry foundations.
R408.8	Vapor Retarder in Crawlspace	Class I or II vapor retarders are now required under floor joists in International Energy Conservation Code (IECC) Climate Zones 1A, 2A, and 3A when the joists are exposed to grade in a crawl space.
<b>Chapter 5</b>		
R506.2.3	Vapor Retarders Under Concrete Slabs	Vapor retarders below slabs-on-grade are now required to be a minimum of 10-mil instead of 6-mil.
R507	Deck Loads	Section was modified to indicate that decks are to be designed for whichever is greater, the live load or the snow load.
R507.3	Deck Footings	Clarifications were made for freestanding deck footing exceptions and a tributary area of 5 psf was added to the deck footing size table.

Code Section	Code Topic	Revision and Remarks
R507.4	Deck Posts	The deck post height table was expanded by adding the tributary area supported by a post and the wood species for determination of maximum post height.
R507.5	Deck Beams	The deck beam span table was split into multiple tables providing spans for given deck live or snow loads. Single and multi-ply spans as well as options for support of cantilevered deck joists are listed.
R507.6	Deck Joists	Cantilever spans are now specifically based on maximum joist spans.
R507.7, Table R507.7	Decking	The Maximum Joist Spacing for Wood Decking Table, R507.7, was updated to show maximum on-center joist spacing for single-and multi-span configurations.
R507.10	Exterior Guards	Specific requirements were added for deck guards.
<b>Chapter 6</b>		
R602.9	Cripple Walls	Clarification that cripple wall requirements apply only to exterior walls.
R602.10.1.2	Locations of braced wall lines (BWLs) and permitted offsets	Requires braced wall lines (BWLs) to be located such that no more than 2/3 of the required braced wall panel length in the line is located to one side of the line.
R602.10.2.2	Location of Braced Wall Panels (BWPs)	Clarifications on starting points of BWP's located near (but not at) building corners.
R609.4.1	Garage door labeling	New: All garage doors shall be permanently labeled by manufacturer with wind pressure ratings, installation drawing reference number, wind test standard, etc.
<b>Chapter 7</b>		
R703.2 and R703.7.3	Water-Resistive Barriers	Language for water resistive barriers was clarified with wet or dry climates specifically considered.
Table R703.8.4(1)	Veneer Attachment	Larger air gaps are allowed behind veneer to accommodate thicker continuous insulation.
R703.11.2	Vinyl Siding Installation Over Foam Plastic Sheathing	Wind pressure ratings for vinyl siding were decreased.

Code Section	Code Topic	Revision and Remarks
R704	Soffits	Requirements for soffit material and installation were expanded.
<b>Chapter 8</b>		
R802	Wood Roof Framing	The provisions were revised to clarify ridge beam and ceiling joist requirements
Table R802.5.2(1)	Heel Joint Connections	The heel joint connection table was updated for roof spans of 24 and 36 feet and a 19.2-inch rafter spacing.
R802.6	Rafter and Ceiling Joist Bearing	Text was added to clarify when a ridge board connection is sufficient for bearing.
Table R804.3	CFS Roof Framing Fasteners	Connections for cold-formed steel (CFS) roof framing members were updated and clarified.
R806.1.1	Vents in Wildland-Urban Interface (WUI)	Section R806 historically only addressed roof ventilation for enclosed attic and enclosed rafter spaces; however, it did not address these openings for WUI areas (in regards to building ignition resistance from the intrusion of burning embers and flames). This new section clarifies the roof location vent requirements in WUI areas and the code sections to which the vents are to be in accordance with.
<b>Chapter 9</b>		
R905.4.4.1	Metal Roof Shingle Wind Resistance	Requirements for metal shingle wind resistance were added to section R905.4.
<b>Chapter 10</b>		
R1001.13	Fireplace Accessories	Added listing and labeling requirements for fireplace accessories.