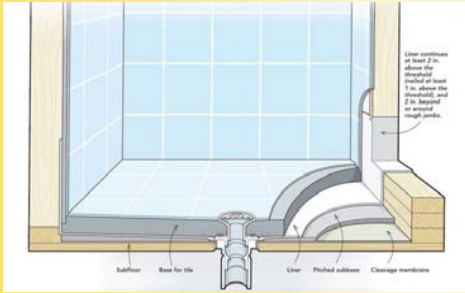


California Plumbing Code

- **Water Efficient Fixtures:** All noncompliant plumbing fixtures for residential property shall be replaced with compliant water efficient fixtures (401.3)



- **Shower Flow Rates:** Shower head flow rates reduced to 1.8gpm (was 2.0gpm) (408.2.1)
- **Shower Pan:** Sloped reduced to 1/8" per foot slope to drain (was 1/4") (408.5)

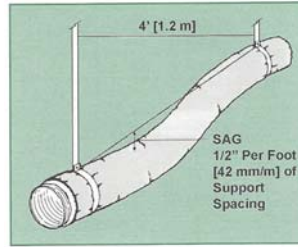


- **Water Line Tracer Wire:** Underground supply water lines shall have a blue 14awg (was 18awg) tracer wire installed adjacent to piping (604.10.1)
- **Gas Piping:** Gas piping installed on roofs shall be elevated above the roof surface and properly supported (1210.2.4.3)
- **CSST Bonding:** CSST bonding jumpers point of connection shall not exceed 75ft from the grounding electrode system (1211.2.3)



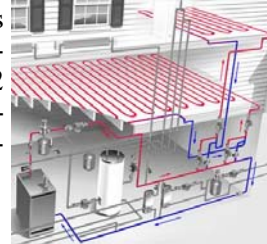
California Mechanical Code

- **Flexible Ducts:** Added regulations back into the code for flexible duct installation standards (603.5)
- **Above Ceiling - Non Ducted Equipment:** Added specific regulations for above ceiling or non ducted air handling systems (802.3.6)



- **Cooktops:** Combustible material shall maintain a clearance horizontally for 18 inches at 2ft above the cooktop (918.5)

- **Tankless Water Heaters:** Tankless water heaters must be rated by the manufacturer for space heating applications (1203.3)
- **Gas Demand Sizing:** Volumetric flow rate shall be adjusted for altitude where installation of appliance is over 2,000ft related to gas line sizing (1308.4.1)
- **Hydronics:** Hydronics chapter has been substantially amended in chapter 12 (gas pressure testing standards, expansion tank requirements, etc).



Please keep in mind this is not an all-inclusive list of changes and/or requirements in the 2019 CA Building Standards Codes. This document is intended as a quick reference guide.

See separate 2019 CA Electrical & Energy Code update brochure for changes to those codes.

If you have any questions or would like more information regarding the new and updated material, contact us at our contact information shown on the front cover.



"Partnering to Improve Consistency & Customer Service"

SUBSTANTIAL CHANGES & ADDITIONS TO THE NEW 2019 CALIFORNIA BUILDING CODES

2019 CALIFORNIA CODES EFFECTIVE JANUARY 1, 2020

County of Nevada Building Department
(530) 265-1222
www.mynevadacounty.com
Town of Truckee Building Department
(530) 582-7820
www.townoftruckee.com
City of Grass Valley Building Department
(530) 273-4340
www.cityofgrassvalley.com
South Lake Tahoe Building Department
(530) 542-6010
www.cityofslt.us

County of Placer Building Department
(530) 745-3010 (Auburn)
(530) 581-6200 (Tahoe)
www.placer.ca.gov
Town of Mammoth Lakes Building Department
(760) 965-3630
www.townofmammothlakes.ca.gov
County of Sierra Building Department
(530) 289-3251
www.sierracounty.ca.gov

Codes Effective as of January 1, 2020

- ◆ 2019 California Building Code
- ◆ 2019 California Residential Code
- ◆ 2019 California Fire Code
- ◆ 2019 California Electrical Code
- ◆ 2019 California Mechanical Code
- ◆ 2019 California Plumbing Code
- ◆ 2019 California Green Building Standards Code
- ◆ 2019 California Historical Building Code
- ◆ 2019 California Referenced Standards Code
- ◆ 2019 California Administrative Code
- ◆ 2019 California Energy Code
- ◆ ACI 318-14 (Structural Concrete)
- ◆ TMS 402/602-16 (Structural Masonry)
- ◆ ASCE 7-16 (Design Loads for Structures)



California Building Code

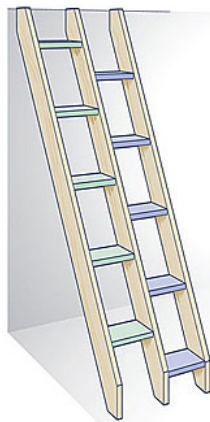
- **Garage Door Openers:** Automatic garage door openers and vehicle gates require battery backup (406.2.1)
- **Greenhouses:** Several additions regarding occupancy types, allowable area, allowed use, etc (303.4, 309.1, T-506.2, etc)
- **Appliances in Garages:** Appliances in private garages and carports shall be installed 6ft above the floor unless protected from vehicular impact (406.2.9.3)
- **Projections:** Minimum distances from projections to determine fire separation distance to lot lines substantially decreased (T-705.2)

- **Skylights in WUI Zones:** Operable skylights shall be protected by non-combustible mesh screen with max 1/8" openings (708A.2.2)
- **Garage Doors in WUI Zones:** Garage doors shall have a maximum gap at bottom/top/sides of 1/8" (708A.4)
- **Business Occupant Load:** Business occupant load factor changed to 150 (was 100) except for concentrated business areas will be a factor of 50 (T-1004.5)
- **Special Inspections:** Special inspections required for wood trusses 60" or greater in overall height and also to verify required utility clearances to fire sprinkler systems in seismic design categories C through F (1705.5.2 & 1705.12.6)
- **Roof Nailing:** 8d *common* or deformed shank nails are required for 3/8"-1/2" roof sheathing nailed at 6/12 (R2304.10.1)



California Residential Code

- **Underfloor Protection:** Protection (gypsum board, etc) required on underside of floor assembly over crawl space with fuel-fired or electric-powered heating equipment (R302.13)
- **Safety Glazing:** Safety glazing required on a wall less than 180 degrees from the plane of the door in the closed position and within 24" of hinge side of an in-swinging door (R308.4.2)
- **Egress:** Sleeping rooms in basements shall not be required to have emergency escape and rescue openings when meeting certain conditions (R310.1)



- **Stair Landings:** Flights of stairs shall not have a vertical rise greater than 151" (was 147") between floor levels or landings (R311.7.3)
- **Loft/Mezzanine Egress:** Alternating tread devices or ship ladders are allowed as a means of egress when the spaces are 200sqft or less and does not access directly to kitchens or bathrooms (R311.7.11 & R311.7.12)

- **PV Arrays:** Roofs with roof mounted PV shall be structurally designed with either (R324.4.1.1):
 - * Dead load including PV panel weight plus snow load, OR
 - * Dead load excluding PV panel weight plus roof live load or snow load, whichever is greater



- **WUI:** Same requirements as listed in the Building Code Section.
- **Unvented Crawlspace:** Shall have dehumidification of 70 pints moisture per day per 1,000sqft to qualify for exemption (R408.3)
- **Deck Piers:** Prescriptive footing table added for deck piers (T-R507.3.1)
- **Braced Walls:** Double studs shall be stitch nailed with two 10d's at 10" o.c.. Horizontal panel edges shall be blocked unless certain conditions are met (R602.10.4.4)
- **Eave Ventilation:** To meet the 1/300 ventilation exception the eave ventilation shall now be located in the lower 1/3 of the attic space (R806.2)
- **Tiny Houses:** Added appendix chapter Q for regulations related to tiny houses not exceeding 400sqft excluding lofts. Regulations for ceiling heights, access, and egress standards.

