



2025 California Green Building Code (CGC) Residential Checklist

New residential buildings shall be designed to include the green building mandatory measures specified in this checklist. This checklist shall also be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to the specific area of the addition or alteration. Mandatory requirements may also apply to additions and alterations of existing parking facilities or additions of new parking facilities serving existing multifamily buildings.

Building Permit Number:

Address:

Site Development (CGC 4.106)

- Storm water drainage and retention during construction.** A plan shall be developed and shall be implemented to manage storm water drainage during construction, per CGC 4.106.2.
- Grading and paving.** Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings, per CGC 4.106.3.
- Electric vehicle (EV) charging for new one- and two- family dwellings and townhouses with attached private garages and/or parking spaces not assigned to a dwelling unit, and ADU/JADU without additional parking but with electrical panel upgrades or new panels.** Provide capability for electric vehicle charging with minimum required Level 1 EV Ready, Level 2 EV Ready, Low Power Level 2 EV Ready as specified in CGC 4.106.4.1 as amended by City of Santa Clara Reach Code Ordinance No. 2081 (CSC 2025 Reach Code) section 15.38.040.
- Identification:** The raceway termination location shall be permanently and visibly marked as "Level 2 EV- READY" per CGC 4.106.4.1.1 as amended by CSC 2025 Reach Code section 15.38.040.

- Electric vehicle (EV) charging for new multifamily dwellings, affordable housing, hotels, motels, and new residential parking facilities.** Provide electric vehicle infrastructure and capability for electric vehicle charging with minimum required Level 2 EV Charger, Level 1 EV Ready, Level 2 EV Ready, Low Power Level 2 EV Ready, EV Capable as specified in CSC 2025 Reach Code section 15.38.040 and 2025 California Green Code section 4.106.4.2, whichever is more stringent.
- 110v Electrical Outlet at Bicycle Parking:** All multifamily residential developments shall include secured bicycle parking with 110v electrical outlets, per CSC 2025 Reach Code section 15.38.040.
- Dimension & Location:** Each EV ready space or EVCS shall be minimum 18 ft long and 9 ft wide. One in every twenty-five charging spaces, but not less than one, shall have an 8 ft wide access aisle, and shall be located adjacent to an accessible parking space, and/or on an accessible route. A 5 ft wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet. Surface slope for this EV space and the aisle shall not exceed 2.083% slope in any direction, per CGC 4.106.4.2.2.1.1.
- Accessibility:** EV Ready and EVCS spaces shall comply with the accessibility provision for EV Charging stations in California Building Code Chapter 11A (section 1109A) and EV chargers shall comply with Chapter 11B, per CGC 4.106.4.2.2.1.2.
- EV Ready Space Signage:** EV ready spaces shall be identified by signage or pavement markings, in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Marking) or its successor(s), per CGC 4.106.4.2.5.
- Automatic load management system (ALMS)** may be installed to increase the number of EV chargers or the amperage or voltage beyond the minimum requirements in City Code. The option does not allow for installing less electrical panel capacity than would be required without ALMS, per CGC 4.106.4.2.2 and CGC 4.106.4.2.6, as amended by CSC 2025 Reach Code section 15.38.040.
- Electric vehicle (EV) charging for additions or alterations of parking facilities serving existing multifamily buildings, hotels, and motels.** When existing parking facilities are altered or new parking spaces are added, and the work requires a building permit, each parking space added or altered shall have access

to either a low-power Level 2 EV charging receptacle or Level 2 EV charger, per CGC 4.106.4.3.

- Bicycle parking for multifamily buildings, hotels, and motels.** Short-term and long-term bicycle parking shall comply with requirements of CGC 4.106.4.4.

Energy Efficiency (CGC 4.201)

- California Energy Code.** The building's construction shall meet or exceed the requirements of the 2025 California Building Energy Efficiency Standards, per CGC 4.201.1.

Water Efficiency and Conservation

Indoor Water Use (CGC 4.303)

- Water conserving plumbing fixtures and fittings.** Plumbing fixtures (water closets and urinals) and fittings (faucets, showerheads, pre-rinse spray valves) shall comply with the prescriptive requirements of section 4.303.1.1 through 4.303.1.4.5.
- Water closets:** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (CGC 4.303.1.1).
- Urinals:** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush, and all other urinals shall not exceed 0.5 gallons per flush (CGC 4.303.1.2).
- Showerheads.** The flow rate for single showerhead and multiple showerheads serving one shower shall not exceed 1.8 gpm at 80 psi and shall be certified to performance criteria of US EPA WaterSense Specification (CGC 4.303.1.3).
- Residential lavatory faucets.** The flow rate shall not exceed 1.2 gpm at 60 psi, and not less than 0.8 gpm at 20 psi (CGC 4.303.1.4.1).
- Lavatory faucets in common and public use areas.** The flow rate shall not exceed 0.5 gpm at 60 psi (CGC 4.303.1.4.2).
- Metering Faucets.** The flow rate shall not deliver more than 0.2 gallons per cycle (CGC 4.303.1.4.3).

- Kitchen Faucets.** The flow rate shall not exceed 1.8 gpm at 60 psi (CGC 4.303.1.4.4).
- Pre-rinse Spray Valves.** When installed, commercial pre-rinse spray valves shall meet requirements of California Plumbing Code, section 420.3 (CGC 4.303.1.4.5).
- Submeters for multifamily buildings and dwelling units in mixed-use residential/commercial buildings.** Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the California Plumbing Code (CBC 4.303.2).
- Standards for plumbing fixtures and fittings.** Plumbing fixtures and fittings shall meet applicable standards referenced in Table 1701.1 of the California Plumbing Code, per CGC 4.303.3.

Outdoor Water Use (CGC 4.304)

- Outdoor potable water use in landscape areas.** Residential developments shall comply with the City's Water Service and Use Rules and Regulations, Item No. 24, as adopted by Santa Clara City Code section 13.15.180, or current California Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent, per CGC 4.304.1.

Enhanced Durability and Reduced Maintenance (CGC 4.406)

- Rodent proofing.** Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be rodent proofed by closing such openings with cement mortar, concrete masonry, or similar method acceptable to the City, per CGC 4.406.1.

Construction Waste Reduction, Disposal and Recycling (CGC 4.408)

- Construction waste management.** Recycle and/or salvage for reuse a minimum of 65% of nonhazardous construction and demolition waste in accordance with section 4.408.2, 4.408.3, or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance (CGC 4.408.1).

Building Maintenance and Operation (CGC 4.410)

- An operation and maintenance manual** shall be provided to building occupant or owner, per CGC 4.410.1.
- Recycling by occupants.** Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and are identified for depositing, storage and collection of nonhazardous materials for recycling, per CGC 4.410.2.

Environmental Quality (CGC 4.503)

- Gas fireplace.** Any installed gas fireplace shall be a direct-vent sealed-combustion type, per CGC 4.503.1.
- Woodstoves.** Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance standards (NSPS) emission limits as applicable and shall have a permanent label indicating they are certified to meet emission limits, per CGC 4.503.1. Woodstoves and pellet stoves shall also comply with Santa Clara City Code section 15.65.

Pollutant Control (CGC 4.504)

- Covering of duct openings and protection of mechanical equipment during construction.** At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal, or other methods acceptable to the City to reduce the amount of water, dust or debris, which may enter the system, per CGC 4.504.1.
- Adhesives, sealants and caulks** shall meet the VOC or other toxic compound limits, per CGC 4.504.2.1.
- Paints, stains and other coatings** shall comply with VOC limits, per CGC 4.504.2.2.
- Aerosol paints and coatings** shall meet the product-weighted MIR limits for ROC and other requirements, including prohibition on use of certain toxic compounds & ozone depleting substances, per CGC 4.504.2.3.

- Verification.** Documentation (such as manufacturer's product specification) shall be provided, at the request of the City, to verify that compliant VOC-limit finish materials have been used, per CGC 4.504.2.4.
- Carpet systems.** All carpet installed in the building interior shall meet the testing and product requirements of CGC 4.504.3. All carpet adhesives shall meet the requirements of CGC Table 4.504.1.
- Resilient flooring systems.** Where resilient flooring is installed, at least 80% of the floor area receiving resilient flooring shall comply with the requirements of CGC 4.504.4.
- Composite wood products.** Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall comply with low formaldehyde emissions standards and requirements, as shown in CGC Table 4.504.5, per CGC 4.504.5.

Interior Moisture Control (CGC 4.505)

- Concrete slab foundations.** Vapor retarder and capillary break shall be installed if a slab-on-grade foundation system is used. The use of a 4" thick base of ½" or larger clean aggregate under a minimum 6-mil polyethylene vapor retarder with joints lapped not less than 6" shall be provided, between the concrete floor slab and the base course (or subgrade), per CGC 4.505.2, CRC R506.3.3, and CBC 1907.4.
- Moisture content of building material.** Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19% moisture content. Moisture content shall be verified prior to finish material being applied, per CGC 4.505.3.

Indoor Air Quality and Exhaust (CGC 4.506)

- Bathroom exhaust fans.** Each bathroom shall be mechanically ventilated using ENERGY STAR compliant fans ducted to terminate outside the building and equipped with humidity control systems, per CGC 4.506.1.

Environmental Comfort (CGC 4.507)

- Heating and air-conditioning system** shall be sized, designed and have their equipment selected using the following methods, per CGC 4.507.2:
 - Heat loss and heat gain values in accordance with ANSI/ACCA 2 Manual J-2016, ASHRAE handbooks or other equivalent design software or methods.
 - Duct systems are sized according to ANSI/ACCA 1 Manual D-2016, ASHRAE handbooks or equivalent.
 - Select heating and cooling equipment in accordance with ANSI/ACCA 3 Manual S-2014 or equivalent.

Installer And Special Inspector Qualification (CGC 702)

- Installer training.** HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a recognized training or certification program, per CGC 702.1.
- Special inspection.** Special inspectors, when required by the City, must be qualified and able to demonstrate competence in the discipline they are inspecting, per CGC 702.2.

Verification (CGC 703)

- Documentation.** Upon request, verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the City which will show substantial conformance, per CGC 703.1.

Responsible Designer's Declaration Statement

I hereby certify that this project has been designed to meet requirements of 2025 California Green Building Standards Code.

Name:

Address:

Signature:

City:

Date:

State:

Company:

Zip:

Contractor Declaration Statement

I hereby certify, as the builder or installer under permit listed herein, that project will be constructed to meet requirements of 2025 California Green Building Standards Code.

Name: _____ **Address:** _____
Signature: _____ **City:** _____
Date: _____ **State:** _____
License Number: _____ **Zip:** _____

Contact Information

Permit Center: 408-615-2420 | **Email:** permitcenter@santaclaraca.gov
Building Division: 408-615-2440 | **Email:** building@santaclaraca.gov