

2022 CALGREEN MANDATORY MEASURES CHECKLIST

Residential

Updated 2/16/23

This checklist applies to residential **new** construction projects as well as **alterations and additions** where there is an increase in conditioned space to existing low rise residential buildings. For additions and alteration projects the requirements shall apply only to that specific area.

Project Information	
Permit Number:	Date:
Project Address:	

Notices
<ul style="list-style-type: none"> It is the responsibility of a qualified professional experienced with the 2022 California Green Building Standards Codes to verify and assure that all required work described herein is properly planned and implemented in this project. Additions and alterations of existing residential building where the addition or alteration increase the building's conditioned area, volume or size shall be designed to include the green building mandatory measures specified in this checklist. The requirements shall apply only to the specific area of the addition or alteration. <i>CGC 301.1.1</i>

Mandatory Feature or Measure	Mandatory Measures (Check as applicable)
Chapter 4 – Residential Mandatory Measures	
General Requirements	
Project meets all the requirements of Divisions 4.1 through 4.5.	
Division 4.1 – Planning and Design	
Site Development	
CGC 4.106.2 A plan is developed and implemented to manage storm water drainage during construction.	
CGC 4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	
CGC 4.106.4.3 Multi-family residential only: When new parking facilities are added, or electrical system or lighting of existing parking facilities are added or altered, ten percent of the total number of parking spaces added or altered shall be electrical vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. (Electric Vehicle Charging Space definition: A space intended for future installation of EV charging equipment and charging of electric vehicles)	
CGC 4.106.4 Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages	
Division 4.2 – Energy Efficiency	
Performance Approach	
CGC 4201.1 Building meets or exceeds the requirements of the 2022 California Building Energy Efficiency Standards	
Division 4.3 – Water Efficiency and Conservation	
Indoor Water Use	
CGC 4.303.1 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of Sections 4303.1.1 through 4303.1.4.4.	
CGC 4.303.2 Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the California Plumbing Code.	

CGC 4.303.3 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the California Plumbing Code and shall meet the applicable referenced standards.	
Outdoor Water Use	
CGC 4.304.1 Landscaping and site work shall comply with the City of Daly City Water Efficient Landscape Ordinance (WELO)	
Division 4.4 – Material Conservation and Resource Efficiency	
Enhanced Durability and Reduced Maintenance	
CGC 4.406.1 Annular spaces around pipes, electric cables, conduits, or other openings in plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement, mortar, concrete masonry, or similar method acceptable to the enforcing agency.	
Construction Waste Reduction, Disposal, and Recycling	
CGC 4.408.1 Recycle and/or salvage or reuse a of 65% of the nonhazardous construction and demolition waste. Specify which section (4.408.2, 4.408.3, or 4.408.4) was chosen for compliance.	
Building Maintenance Operation	
CGC 4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.	
CGC 4.410.2 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 the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals, or meet a lawfully enacted local recycling ordinance.	
Division 4.5 – Environmental Quality	
Fireplaces	
CGC 4.503.1 Any installed gas fireplace shall be direct-vent sealed-combustion type. Any installed wood stove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NPS) emission limits.	
Pollutant Control	
CGC 4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.	
CGC 4.501.2.1 Adhesives, sealants, and caulks shall be compliant with VOC and other toxic compound units	
CGC 4.504.2.2. Paints, stains, and other coatings shall be compliant with VOC limits.	
CGC 4.502.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR limits for VOC and other toxic compounds.	
CGC 4.502.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	
CGC 4.504.3 Carpet and carpet systems shall be compliant with VOC limits.	
CGC 4.504.4 80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.	
CGC 4.504.5 Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.	

Interior Moisture Control

CGC 4.505.2 Vapor retarder and capillary break is installed at slab-on grade foundations.	
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CGC 4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.	
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Interior Air Quality and Exhaust

CGC 4.506.1 Humidity controlled exhaust fans which terminate outside the building are provided in every bathroom unless otherwise component of a whole house ventilation system.	
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Environmental Comfort

CGC 4.507.2 Duct systems and equipment are sized and designed and selected using the following methods: <ol style="list-style-type: none"> 1. Establish heat loss and heat gain values according to ANSI/ACCA Manual J-2016 or equivalent 2. Size Duct systems according to ANSI/ACCA 1 Manual D-2016 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-204 or equivalent. 	
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Installer and CALGreen Inspector Qualifications
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Qualifications

CGC 702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	
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CGC 702.2 Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.	
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Verifications

CGC 703.1 Verification of compliance with this code shall include, but not be limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	
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CALGreen Building Acknowledgements

Responsible Designer's Declaration Statement	
I hereby certify what this project has been designed to meet the requirements of the 2022 California Green Building Standards Code .	
Name:	Company:
Signature:	Date:
Address:	

Contractor Declaration Statement	
I hereby certify, as the builder or installer under the permit listed herein, that this project will be constructed to meet the requirements of the California Green Building Standards Code	
Name:	Company:
Signature:	Date:
Address:	

www.rpvca.gov

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