

2022 CALGreen CHECKLIST - RESIDENTIAL ADDITIONS AND ALTERATIONS



City of
SANTA ROSA
Planning & Economic
Development - Building Division
PAGE 1 of 7
EFFECTIVE: 01 JANUARY 2023

FREE ACCESS TO CALIFORNIA CODES: <https://www.dgs.ca.gov/BSC/Codes#@ViewBag.JumpTo>

Applies to building permit applications received on, or after, January 1, 2020 for additions or alterations that increase the conditioned space of existing low rise residential buildings including hotels, motels, lodging houses, dwellings, dormitories, condominiums, shelters, congregate residences, employee housing, factory-built housing and other types of dwellings containing sleeping accommodations with or without common toilet or cooking facilities including accessory buildings, facilities and uses thereto. Detached "U" occupancy buildings are not subject to the requirements of CALGreen. Existing site and landscaping improvements that are not otherwise disturbed are also not subject to the requirements of CALGreen. Repairs to existing structures are not subject to CALGreen at this time.

PROJECT ADDRESS: _____

PROJECT NAME: _____

PROJECT DESCRIPTION: _____

BUILDING PERMIT NUMBER: _____

INSTRUCTIONS:

The Owner (or the Owner's agent) shall employ a *qualified CALGreen Inspector, listed by the City of Santa Rosa Building Division, to complete this checklist via the following steps:

1. The CALGreen Inspector, in collaboration with the owner and the design professional, shall complete Column 2 of this checklist. Either "required" or "not required" is to be selected for each feature/measure. If "required" is selected, a description and reference to the plan sheet where the item is specified should be provided. If "not required" is selected, a description of why the feature/measure does not apply shall be provided. **Sections not separated by horizontal lines are all related to the relative checkboxes in that non-separated box.** See CALGreen Chapter 4 for complete descriptions of features and measures listed below.
2. When Column 2 is complete, the Owner, Design Professional, and CALGreen Inspector are to be identified on, sign, and date the CALGreen Building Acknowledgements Section 1 (Design Verification) at the end of this checklist. The completed checklist is then to be submitted to the City of Santa Rosa Building Division as part of the building permit application.
3. Building Division plan review staff will provide a fourth review of the plans and Column 2 (first three by Owner, Design Professional, and CALGreen Inspector as stated above). When approvable, the approved checklist will be included as part of the approved job set that is to be kept on the construction site throughout construction.
4. The CALGreen Inspector is to inspect all applicable features/measures listed in Column 2, and mark the verification boxes in Column 3 as each feature/measure is completed.
5. Prior to final inspection by the Building Division, the CALGreen Inspector shall verify that all applicable features/measures have been installed, and sign and date the CALGreen Building Acknowledgments Section 2 (Implementation Verification) found at the end of this checklist.

***NOTE:** The CALGreen Inspector shall not be the design professional or contractor for the project, and shall not have a financial interest in the project for which services are being provided (except for the cost of providing said services.) If you are a qualified CALGreen Inspector, but have not been added to the approved City list, please contact the Building Division via email at building@srcity.org

COLUMN 1: FEATURE OR MEASURE	COLUMN 2: PROJECT DESIGN REQUIREMENTS		COLUMN 3: FIELD VERIFICATION
PAGE 2 of 7 EFFECTIVE: 01 JANUARY 2023	REQUIRED (SPECIFY SHEET # & DESCRIPTION)	NOT REQUIRED (PROVIDE A DESCRIPTION OF WHY)	
CALGreen <u>DIVISION 4.1</u>: PLANNING AND DESIGN			
Site Development			
4.106.2 A plan is developed and implemented to manage storm water drainage during construction.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
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.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.106.4.3 Multi-family residential only: When new parking facilities are added, or electrical systems or lighting of existing parking facilities are added or altered, ten percent of the total number of parking spaces added or altered shall be electric 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 chargin of electric vehicles)	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
CALGreen <u>DIVISION 4.2</u>: ENERGY EFFICIENCY			
Performance Approach			
4.201.1 Building meets or exceeds the requirements of the 2022 California Building Energy Efficiency Standards. (Tier 1 not applicable)	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
CALGreen <u>DIVISION 4.3</u>: WATER EFFICIENCY AND CONSERVATION			
Indoor Water Use			
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 4.303.1.1 through 4.303.1.4.5.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.303.2 Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the California Plumbing Code.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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PAGE 3 of 7 EFFECTIVE: 01 JANUARY 2023	REQUIRED (SPECIFY SHEET # & DESCRIPTION)	NOT REQUIRED (PROVIDE A DESCRIPTION OF WHY)	
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.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Outdoor Water Use			
4.304.1 Landscaping and site work shall comply with the City of Santa Rosa Water Efficient Landscape Ordinance (WELO) - See Santa Rosa City Code Section 14-30	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
CALGreen <u>DIVISION 4.4</u>: MATERIAL CONSERVATION AND RESOURCE EFFICIENCY			
Enhanced Durability and Reduced Maintenance			
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.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Construction Waste Reduction, Disposal and Recycling			
4.408.1 Recycle and/or salvage for reuse a minimum 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.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Building Maintenance and Operation			
4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
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.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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CALGreen <u>DIVISION 4.5</u>: ENVIRONMENTAL QUALITY			
Fireplaces			
4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed wood stove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Pollutant Control			
4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.3 Carpet and carpet systems shall be compliant with VOC limits.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.4 80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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4.504.5 Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall comply with low formaldehyde emission standards (See CALGreen Table 4.504.5). Verification documentation is required.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Interior Moisture Control			
4.505.2 Vapor retarder and capillary break is installed at slab-on-grade foundations.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure (<19%). Verification documentation is required.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Interior Air Quality and Exhaust			
4.506.1 Humidity controlled exhaust fans which terminate outside the building are provided in every bathroom unless otherwise a component of a whole house ventilation system.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Environmental Comfort			
4.507.2 Duct systems and equipment are sized and designed and selected using the following methods: 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-2014 or equivalent.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Innovative Concepts and Local Environmental Conditions			
Proposed Innovative Concept 1:	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
Proposed Innovative Concept 2:	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
Proposed Innovative Concept 3:	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>

COLUMN 1: FEATURE OR MEASURE	COLUMN 2: PROJECT DESIGN REQUIREMENTS		COLUMN 3: FIELD VERIFICATION
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INSTALLER AND CALGreen INSPECTOR QUALIFICATIONS			
Qualifications			
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
702.2 The CALGreen Inspector is listed by the City of Santa Rosa as an approved CALGreen Inspector and is qualified and able to demonstrate competence in the discipline they inspect and verify.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Verifications			
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.	<input type="checkbox"/> RQ'D	<input type="checkbox"/> N/A	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

CALGreen BUILDING ACKNOWLEDGMENTS

PROJECT ADDRESS: _____

PROJECT DESCRIPTION: _____

SECTION 1 - DESIGN VERIFICATION

INSTRUCTIONS:

Prior to building permit application, complete **all** lines of Section 1- "Design Verification," and submit the completed checklist (Columns 1 and 2) with the plans and building permit application to the City of Santa Rosa Building Division.

The signatures below certify that the owner, design professional, and the CALGreen inspector have reviewed the plans and Columns 1 and 2 of this checklist, and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2022 California Green Building Standards Code.

Owner's Signature

Date

Owner's Name *(Please Print)*

Design Professional's Signature

Date

Design Professional's Name *(Please Print)*

CALGreen Inspector's Signature

Date

CALGreen Inspector's Name *(Please Print)*

CALGreen Inspector's Phone Number

CALGreen E-mail Address

ICC Certification Number

SECTION 2 - IMPLEMENTATION VERIFICATION

Complete, sign, and submit the completed checklist, including Column 3, together with all original signatures in this Section 2 – "Implementation Verification" to the Building Department prior to Building Department final inspection.

The owner, design professional, and the CALGreen inspector have reviewed the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2022 California Green Building Standards Code.

CALGreen Inspector's Signature

Date

CALGreen Inspector's Name *(Please Print)*

CALGreen Inspector's Phone Number
(If Different Than Above)

CALGreen E-mail Address *(If Different Than Above)*

ICC Certification Number
(If Different Than Above)