City of Sonoma

2013 CALGreen CHECKLIST
for
RESIDENTIAL ADDITIONS and ALTERATIONS

SCOPE: *The provisions of this checklist apply to Additions to or Alterations 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 with sleeping accommodations where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration.. Detached "U" occupancy buildings and repairs to existing structures 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.*

Newly constructed residential buildings should use the CALGreen checklist for New Residential Buildings.

APPENDIX A4
(Revised per City of Sonoma Requirements - Based on 2013 CALGreen)

Project Name: _____

Project Address: _____

Project Description: _____

Instructions:

1. For **Owner-Builder permits -** The Owner or the Owner's agent shall:
    a. complete the project information above; and
    b. read this checklist and understand the project requirements; and
    c. consult with a 3rd Party CALGreen Special Inspector or Building Department staff to determine if any mandatory CALGreen measure(s) is not applicable to the project and mark accordingly in **Column 2** of the checklist. Provide an explanation for why each measure to be marked "N/A" is not applicable to the project; and
    d. complete the CALGreen acknowledgement in Section 1 on the last page of the checklist; and
    e. submit the entire form to the Building Department along with the building permit application.
2. For **permits issued to Licensed Contractors –** The Owner and the Contractor shall:
    a. be sure that the project information above is completed; and
    b. read this checklist and understand the project requirements; and
    c. consult with a 3rd Party CALGreen Special Inspector or Building Department staff to determine if any mandatory CALGreen measure(s) is not applicable to the project and mark accordingly in **Column 2** of the checklist. Provide an explanation for why each measure to be marked "N/A" is not applicable to the project; and
    d. complete and sign (both Owner and Contractor or their authorized agents) the CALGreen acknowledgement in Section 1 on the last page of the checklist; and
    e. be sure that the entire CALGreen Checklist is submitted to the Building Department with the building permit application.
3. The City's plans examiner will complete **Column 3** of the checklist to determine who (City Staff or 3rd Party CALGreen Special Inspector) will provide verification of each applicable CALGreen measure.
4. When determined necessary by City staff and indicated in **Column 3** of the checklist, the Owner or Contractor shall employ a CALGreen Special Inspector, listed by the City of Sonoma Building Department, to perform CALGreen Special Inspector services.
5. In **Column 4**, Building Department staff will verify those measures checked in Column 3 of the checklist under the "City Staff" heading.
6. In **Column 4**, the 3rd Party CALGreen Special Inspector hired by the Owner will verify those measures checked in Column 3 of the checklist under the "3rd Party CALGreen Special Inspector "heading.
7. Prior to final inspection by the Building Department, the CALGreen Special Inspector (if required) shall complete **Column 4** and sign and date **the Implementation Verification** section at the end of this checklist.

NOTE: *The CALGreen Special 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.*

Column 1 Feature or Measure	Column 2 Project Requirements *Must be incorporated into the project unless the measure is not applicable (N/A).*	Column 3 Verification To Be Provided By: *Completed by City plan review staff during plan review.*		Column 4 Compliance Verified *Completed by verifier after measure has been completed.*
See Chapter 4 of the 2013 California Green Building Code and Sonoma Municipal Code Chapters 14.10 and 14.32 for complete descriptions of features or measures listed here.	**Mandatory Prerequisites**	**City Staff** (if applicable) ☐ All Measures	**3rd party CALGreen Special Inspector** (if applicable) ☐ All Measures	**3rd party CALGreen Special Inspector and/or City Staff**
4.1 PLANNING AND DESIGN	***All checked items are required for the project***	***City Plan Review staff determines who must verify the measures in Column 2***		***Complete prior to Final Inspection***
Site Development				
4.106.2 A plan is developed and implemented to manage storm water drainage during construction. See Sonoma Municipal Code Chapter 13.32 (Stormwater Management and Discharge Control) for additional requirements.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
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.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.2 ENERGY EFFICIENCY	***All checked items are required***	***City Plan Review staff determines who must verify the measures in Column 2***		***Complete prior to Final Inspection***
Performance Approach				
4.201.1 Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				

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See Chapter 4 of the 2013 California Green Building Code and Sonoma Municipal Code Chapters 14.10 and 14.32 for complete descriptions of features or measures listed here.	**Mandatory Prerequisites**	**City Staff** (if applicable) ☐ All Measures	**3rd party CALGreen Special Inspector** (if applicable) ☐ All Measures	**3rd party CALGreen Special Inspector and/or City Staff**
4.3 WATER EFFICIENCY AND CONSERVATION	***All checked items are required unless N/A***	***City Plan Review staff determines who must verify the measures in Column 2***		***Complete prior to Final Inspection***
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 4.303.1.4.4.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.303.2 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.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
Outdoor Water Use				
4.304.1 Automatic irrigation systems installed at the time of final inspection shall be weather- or soil moisture-based.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	***All checked items are required***	***City Plan Review staff determines who must verify the measures in Column 2***		***Complete prior to Final Inspection***
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.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				

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Construction Waste Reduction, Disposal and Recycling				
4.408.1 Recycle and/or salvage for reuse a minimum of 50 percent of the nonhazardous construction and demolition waste in accordance with one of the following: 1. A construction waste management plan, per Section 4.408.2; or 2. A waste management company, per Section 4.408.3; or 3. The waste stream reduction alternative, per Section 4.408.4. 4. Documentation shall be provided to demonstrate compliance with one of the above listed compliance measues.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
Building Maintenance and Operation				
4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.5 ENVIRONMENTAL QUALITY	***All checked items are required***	***City Plan Review staff determines who must verify the measures in Column 2***		***Complete prior to Final Inspection***
Fireplaces				
4.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove meeting the requirements of Sonoma Municipal Code Chapter 14.28 (Wood-Burning Appliances)[1].	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				

[1] Modified to conform with Chapter 14.28 of the Sonoma Municipal Code

Column 1 **Feature or Measure**	**Column 2** **Project Requirements** *Must be incorporated into the project unless the measure is not applicable (N/A).*	**Column 3** **Verification To Be Provided By:** *Completed by City plan review staff during plan review.*		**Column 4** **Compliance Verified** *Completed by verifier after measure has been completed.*
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Pollutant Control				
4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.504.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.504.3 Carpet and carpet systems shall be compliant with VOC limits.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				

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4.504. 4 80 percent of floor area receiving resilient flooring shall comply with the VOC-emission limits defined in the Collaborative for High Performance Schools (CHPS) High Performance Products Database or be certified under the Resilient Floor Covering Institute (RFCI) FloorScore program; or meet California Dept of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers", Version Lt, February 2010 (also known as Specification 01350.)Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.504.5 Particleboard, medium density fiberboard (MDF), and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
Interior Moisture Control				
4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
Indoor 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.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				

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Environmental Comfort				
4.507.2. Duct systems are sized and designed and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to ANSI/ACCA Manual J-2004 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D - 2009 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2004 or equivalent.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
Innovative Concepts and Local Environmental Conditions				
Items necessary to address innovative concepts or local environmental conditions.				
Item 1:		☐	☐	☐
Item 2:		☐	☐	☐
Item 3:		☐	☐	☐
INSTALLER AND CALGreen SPECIAL INSPECTOR QUALIFICATIONS		***City Plan Review staff determines who must verify the measures in Column 2***		***Complete prior to Final Inspection***
Qualifications				
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	☒ or ☐ N/A	☐	☐	☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				

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702.2 The CALGreen Special Inspector for this project is listed by the City of Sonoma as an approved CALGreen Special Inspector and is qualified and able to demonstrate competence in the discipline they inspect and verify.	☒ or ☐ N/A	☒		☐
Description of proposed measure(s) or explanation of why it is not applicable (N/A):				
Verifications				
703.1 Verification of compliance with CALGreen may include construction documents, plans, specifications builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance. Implementation verification shall be submitted to the Building Department after implementation of all required measures and prior to final inspection approval.	☒	☐	☐	☐

Green Building Acknowledgments

Project Address: _____

Project Description: _____

Section 1 - Design Verification

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 Building Department.

The owner, design professional and the Sonoma approved CALGreen special 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 2013 California Green Building Standards Code as amended by Chapter 14.10 of the Sonoma Municipal Code.

Owner's Signature	Date
Owner Name *(Please Print)*	
Design Professional's Signature	Date
Design Professional's Name *(Please Print)*	
Signature of Listed Green Building Special Inspector	Date
Listed CALGreen Special Inspector's Name *(Please Print)*	Phone
Green CALGreen Special Inspector's E-mail Address	CALGreen Certification No.

Section 2 - Implementation Verification

Complete, sign and submit the completed checklist, including Column 4, together with all original signatures in this Section 2 – "Implementation Verification" to the Building Department prior to Building Department final inspection.

I have inspected the work have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements set forth in the 2013 California Green Building Standards Code as amended by Chapter 14.10 of the Sonoma Municipal Code.

Listed CALGreen Special Inspector Signature	Date
CALGreen Special Inspector's Name *(Please Print)*	Phone *(if different than above)*
CALGreen Special Inspector's E-mail Address *(if different than above)*	CALGreen Certification No.