

# 2013 CALGreen Checklist Residential New Construction

BPC-042

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This checklist applies to building permit applications received on or after July 1st, 2015, for newly constructed 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 a common toilet or cooking facilities including accessory buildings, facilities and uses thereto.

Additions and alterations to existing structures<sup>1</sup> are also subject to the requirements of CALGreen but are not included in this checklist. See PRMD handout BPC-041 for a residential addition and alteration checklist. Repairs to existing structures are not subject to CALGreen. Existing site and landscaping improvements that are not otherwise disturbed are not subject to CALGreen.

## APPENDIX A4

*(Revised per County of Sonoma Requirements - Based on CALGreen + Tier 1)*

Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_

Project Description: \_\_\_\_\_

### Instructions:

1. The Owner or the Owner's agent shall employ a qualified CALGreen Special Inspector, listed by the County of Sonoma Building Department, to perform CALGreen Special Inspector services and to verify and assure the Owner and the Building Department that all required work described herein is properly planned and implemented in the project. County listed CALGreen inspectors can be found on the County's web site at <http://www.sonoma-county.org/prmd/docs/grnbldg/index.htm>
2. 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.
3. The CALGreen Special Inspector, in collaboration with the owner and the design professional shall review and incorporate all applicable provisions of **Columns 1 and 2** of this checklist into the project, sign and date the **Design Verification** section at the end of this checklist and have the checklist printed on the approved plans for the project. The CALGreen Special Inspector must indicate in **Column 2** of the checklist all applicable measures which must be met and incorporated into the project.
4. Prior to final inspection by the Permit and Resource Management Department, CALGreen Special Inspector shall complete **Column 3** and sign and date the **Implementation Verification** section at the end of this checklist.

**NOTE:** The County of Sonoma has adopted the Tier 1 provisions of CALGreen as mandatory requirements which must be implemented in the project except that the Tier 1 Energy Efficiency measures provided in Section A4.2 need not be met.

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<sup>1</sup> Where more than fifty percent (50%) of all existing walls of an existing structure are demolished or deconstructed the structure shall be treated as a new building (PRMD Policy #9-2-12).

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p>	<p align="center"><b>Column 2</b> <b>Project Requirements</b> <i>When checked, these items become a part of the approved plans and must be installed or incorporated into the project.</i></p>		<p align="center"><b>Column 3</b> <b>Verification</b> <i>Complete after installation &amp; prior to final inspection approval</i></p>
<p><i>See Chapter 4 and Appendix A4 of the 2013 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.</i></p>	<p><b>Mandatory &amp; Tier 1 Prerequisites</b></p>	<p><b>Tier 1 electives</b> <i>Applicant selects required elective measures</i></p>	<p><b>Verification by a third party CALGreen Special Inspector listed by the County of Sonoma</b></p>
<p align="center"><b>A4.1</b> <b>PLANNING AND DESIGN</b></p>			
<p><b>SITE SELECTION</b></p>	<p><i>All checked items are required for the project</i></p>	<p><i>Select at least two (2) elective measures from A4.1</i></p>	<p><i>Select all measures verified in the completed project</i></p>
<p><b>A4.103.1</b> A site which complies with at least one of the following characteristics is selected:</p> <ol style="list-style-type: none"> <li>An infill site is selected.</li> <li>A greyfield site is selected.</li> <li>An EPA-recognized Brownfield site is selected.</li> </ol>		<p align="center">A4.1</p> <p align="center"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>	<p align="center"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>
<p><b>A4.103.2</b> Facilitate community connectivity by one of the following methods:</p> <ol style="list-style-type: none"> <li>Locate project within a 1/4-mile true walking distance of at least 4 basic services.</li> <li>Locate project within 1/2-mile true walking distance of at least 7 basic services.</li> <li>Other methods increasing access to additional resources</li> </ol>		<p align="center"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>	<p align="center"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>
<p><b>SITE PRESERVATION</b></p>		<p align="center">A4.1</p>	
<p><b>A4.104.1</b> An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided training or instruction to appropriate entities.</p>		<p align="center"> <input type="checkbox"/> </p>	<p align="center"> <input type="checkbox"/> </p>
<p><b>DECONSTRUCTION AND REUSE OF EXISTING MATERIALS</b></p>		<p align="center">A4.1</p>	
<p><b>A4.105.2</b> Existing buildings are disassembled for reuse or recycling of building materials. The proposed structure utilizes at least one of the following materials which can be easily reused:</p> <ol style="list-style-type: none"> <li>Light fixtures</li> <li>Plumbing fixtures</li> <li>Doors and trim</li> <li>Masonry</li> <li>Electrical devices</li> <li>Appliances</li> <li>Foundations or portions of foundations</li> </ol>		<p align="center"> <input type="checkbox"/> </p>	<p align="center"> <input type="checkbox"/>  Verify at least one if required  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p>	<p align="center"><b>Column 2</b> <b>Project Requirements</b> <i>When checked, these items become a part of the approved plans and must be installed or incorporated into the project.</i></p>		<p align="center"><b>Column 3</b> <b>Verification</b> <i>Complete after installation &amp; prior to final inspection approval</i></p>
<p>See Chapter 4 and Appendix A4 of the 2013 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.</p>	<p><b>Mandatory &amp; Tier 1 Prerequisites</b></p>	<p><b>Tier 1 electives</b> <i>Applicant selects required elective measures</i></p>	<p><b>Verification by a third party CALGreen Special Inspector listed by the County of Sonoma</b></p>
<p><b>SITE DEVELOPMENT</b></p> <p>Notes:</p> <p>1. Sections 4.106.2, A4.106.2, 4.106.3, and A4.106.4 superseded by requirements of Sonoma County Code, Chapter 11A.</p>		<p align="center">A4.1</p>	
<p><b>4.106.2</b> A plan is developed and implemented to manage storm water during construction in accordance with requirements prescribed in Sonoma County Code Chapter 11A.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>
<p><b>4.106.3</b> Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>
<p><b>4.106.4</b> Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages; and 3 percent of all parking spaces, as specified, for multi-family dwellings.</p>	<p align="center"><input checked="" type="checkbox"/></p>		
<p><b>A4.106.2.1</b> Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p><b>A4.106.2.2</b> Soil disturbance and erosion are minimized by at least one of the following:</p> <ol style="list-style-type: none"> <li>Natural drainage patterns are evaluated and erosion controls are implemented to minimize erosion during construction and after occupancy.</li> <li>Site access is accomplished by minimizing the amount of cut and fill needed to install access roads and driveways.</li> <li>Underground construction activities are coordinated to utilize the same trench, minimize the amount of time the disturbed soil is exposed and the soil is replaced using accepted compaction methods.</li> </ol>		<p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p>
<p><b>A4.106.2.3</b> Displaced topsoil is stockpiled for reuse and covered and protected from erosion. (Tier 1)</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>
<p><b>A4.106.3</b> Post construction landscape designs accomplish one or more of the following:</p> <ol style="list-style-type: none"> <li>Areas disrupted during construction are restored to be consistent with native vegetation</li> <li>Limit turf areas to not more than 50 percent (Tier 1).</li> <li>Utilize at least 75 percent native Californian or drought tolerant plant and tree species appropriate for the climate zone region.</li> <li>Hydrozoning irrigation techniques are incorporated into the landscape design.</li> </ol>		<p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p>

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<p><b>A4.106.4</b> Permeable paving is utilized for not less than 20 percent of the total parking, walking, or patio surfaces.(Tier 1).  <b>Exception:</b> Primary driveway, primary entry walkway and entry porch/landing or required accessible routes for persons with disabilities shall not be included when calculating the area required to be a permeable surface.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.106.5</b> Roofing materials for high rise residential buildings, hotels and motels shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum aged Solar Reflectance Index (SRI) equal to or greater than the values specified in Tables A4.106.5.1(3). (Tier 1)</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.106.6</b> Install a vegetated roof for at least 50 percent of the roof area. Vegetated roofs shall comply with requirements for roof gardens and landscaped roofs in the California Building Code, Chapters 15 and 16.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.106.7</b> Reduce nonroof heat islands for 50 percent of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.106.8.1</b> For one- and two-family dwellings and townhouses with attached private garages, install a dedicated 208/240-volt branch circuit, including an overcurrent protective device rated at 40 amperes minimum per dwelling unit. (Tier 1)</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>A4.106.8.2</b> For multi-family dwellings, provide capability for future electrical vehicle charging in 5 percent of total parking spaces, as specified. (Tier 1)</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>A4.106.9</b> Provide bicycle parking facilities as noted below or meet a local ordinance, whichever is more stringent. Number of bicycle parking spaces may be reduced, as approved by the enforcing agency, due to building site characteristics, including but not limited to, isolation from other development.</p> <ol style="list-style-type: none"> <li>1. Provide short-term bicycle parking, per Section A4.106.9.1.</li> <li>2. Provide long-term bicycle parking for multifamily buildings, per Section A4.106.9.2.</li> <li>3. Provide long-term bicycle parking for hotel and motel buildings, per Section A4.106.9.3.</li> </ol>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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<p><i>See Chapter 4 and Appendix A4 of the 2013 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.</i></p>	<p><b>Mandatory &amp; Tier 1 Prerequisites</b></p>	<p><b>Tier 1 electives</b> <i>Applicant selects required elective measures</i></p>	<p><b>Verification by a third party CALGreen Special Inspector listed by the County of Sonoma</b></p>
<p><b>A4.106.10 [HR] (High Rise)</b> Outdoor lighting systems shall be designed and installed to comply with:</p> <ol style="list-style-type: none"> <li>1. The minimum requirements in the California Energy Code for Lighting Zones 1-4; and</li> <li>2. Backlight, Up light and Glare (BUG) ratings as defined in IES TM-15-11; and</li> <li>3. Allowable BUG ratings not exceeding those shown in Table A4.106.10; or</li> </ol> <p>Comply with a lawfully enacted local ordinance, whichever is lawfully enacted local ordinance, whichever is more stringent.</p>		<div style="display: flex; align-items: center; justify-content: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px; margin-right: 5px;"></div> <input type="checkbox"/> </div> <p style="text-align: center;">or</p> <input type="checkbox"/>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px; margin-right: 5px;"></div> <input type="checkbox"/> </div> <p style="text-align: center;">or</p> <input type="checkbox"/>
<p><b>Innovative Concepts and Local Environmental Conditions</b></p>		<p align="center">A4.1</p>	
<p><b>A4.108.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved by the Building Department prior to listing here.</p>			
<p>Item 1:</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Item 2:</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Item 3:</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.2</b> <b>ENERGY EFFICIENCY</b></p>	<p><i>All checked items are required</i></p>	<p><i>No elective measures from A4.2 are required</i></p>	<p><i>Select all measures verified in the completed project</i></p>
<p><b>4.201.1</b> Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>

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<p align="center"><b>A4.3</b> <b>WATER EFFICIENCY AND CONSERVATION</b></p>		<p><i>All checked items are required</i></p>	<p><i>Select at least one (1) elective measure from A4.3</i></p>	<p><i>Select all measures verified in the completed project</i></p>
<p><b>Indoor Water Use</b></p>		<p align="center">A4.3</p>		
<p><b>4.303.1</b> 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.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>	
<p><b>4.303.2</b> 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.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>	
<p><b>A4.303.1</b> Kitchen sink faucet shall have a maximum flow rate not greater than 1.5 gallons per minute at 60 psi. (Tier 1) <i>(See exceptions)</i></p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>	
<p><b>A4.303.2</b> Alternate water source for nonpotable applications. Alternate nonpotable water sources are used for indoor potable water reduction. Alternate nonpotable water sources shall be installed in accordance with the <i>California Plumbing Code</i>. (Tier 1)</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>	
<p><b>A4.303.3</b> Appliances. Dishwashers and clothes washers in residential buildings shall comply with the following: Install at least one qualified ENERGY STAR appliance with maximum water use as follows:</p> <ol style="list-style-type: none"> <li>1. Standard Dishwashers - 4.25 gallons per cycle.</li> <li>2. Compact Dishwashers - 3.5 gallons per cycle.</li> <li>3. Clothes Washers - water factor of 6 gallons per cubic feet of drum capacity.</li> </ol>		<p align="center"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>	<p align="center"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </p>	
<p><b>A4.303.4</b> Nonwater supplied urinals or waterless toilets are installed.</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>	
<p><b>Outdoor Water Use</b></p>		<p align="center">A4.3</p>		
<p><b>4.304.1</b> Automatic irrigation systems installed at the time of final inspection shall be weather- or soil-moisture based.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>	
<p><b>A4.304.1</b> Install a low-water consumption irrigation system which minimizes the use of spray type heads.</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>	
<p><b>A4.304.2</b> Rainwater capture, storage and re-use system is designed and installed.</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>	

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<p><b>A4.304.3</b> A water budget shall be developed for landscape irrigation.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.304.4 Potable water reduction.</b> <i>Provide water efficient landscape irrigation design that reduces the use of potable water so it does not exceed 65% of ETo times the landscape area. (Support documentation required at application submittal)</i> <b>Note: See Sonoma County Water Efficient Landscape Ordinance.</b></p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.304.5</b> A landscape design is installed which does not utilize potable water.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.304.6</b> For new water service connections, landscaped irrigated areas more than 2,500 square feet shall be provided with separate submeters or metering devices for outdoor potable water use.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Water Reuse Systems</b></p>	<input type="checkbox"/>	<p>A4.3</p>	<input type="checkbox"/>
<p><b>A4.305.1</b> Piping is installed to permit future use of a graywater irrigation system served by the clothes washer or other fixtures.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.305.2</b> Recycled water piping is installed.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.305.3</b> Recycled water is used for landscape irrigation.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Innovative Concepts and Local Environmental Conditions</b></p>	<input type="checkbox"/>	<p>A4.3</p>	<input type="checkbox"/>
<p><b>A4.306.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions. These items must be approved by the Building Department prior to listing here.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Item 1:</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Item 2:</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Item 3:</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p align="center"><b>A4.4</b> <b>MATERIAL CONSERVATION AND RESOURCE EFFICIENCY</b></p>		<p><i>Select at least two (2) elective measures from A4.4</i></p>	<p><i>Select all measures verified in the completed project</i></p>
<p><b>Foundation Systems</b></p>	<input type="checkbox"/>	<p>A4.4</p>	<input type="checkbox"/>

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<p><b>A4.403.1</b> A Frost-Protected Shallow Foundation (FPSF) is designed and constructed.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.403.2</b> Cement use in foundation mix design is reduced by not less than a 20 percent. (Tier 1)</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>Efficient Framing Techniques</b></p>		<p>A4.4</p>	
<p><b>A4.404.1</b> Beams and headers and trimmers are the minimum size to adequately support the load.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.404.2</b> Building dimensions and layouts are designed to minimize waste.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.404.3</b> Use pre-manufactured building systems to eliminate solid sawn lumber whenever possible.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.404.4</b> Material lists are included in the plans which specify material quantity and provide direction for on-site cuts.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Material Sources</b></p>		<p>A4.4</p>	
<p><b>A4.405.1</b> One or more of the following building materials, that do not require additional resources for finishing are used:</p> <p><input type="checkbox"/> Exterior trim not requiring paint or stain.</p> <p><input type="checkbox"/> Windows not requiring paint or stain.</p> <p><input type="checkbox"/> Siding or exterior wall coverings which do not require paint or stain.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.405.2</b> Floors that do not require additional coverings are used including but not limited to stained, natural, or stamped concrete floors.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.405.3</b> Postconsumer or preconsumer recycled content value (RCV) materials are used for a minimum of 10 percent of the total value, based on the total estimated cost of materials on the project. (Tier 1) [See CalRecycle for recycled content levels for some materials <a href="http://www.calrecycle.ca.gov/greenbuilding/materials/matrix.htm">http://www.calrecycle.ca.gov/greenbuilding/materials/matrix.htm</a> ]</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>A4.405.4</b> Renewable source building products are used.</p>		<input type="checkbox"/>	<input type="checkbox"/>



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<p><i>See Chapter 4 and Appendix A4 of the 2013 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.</i></p>	<p><b>Mandatory &amp; Tier 1 Prerequisites</b></p>	<p><b>Tier 1 electives</b> <i>Applicant selects required elective measures</i></p>	<p><b>Verification by a third party CALGreen Special Inspector listed by the County of Sonoma</b></p>
<b>Enhanced Durability and Reduced Maintenance</b>		A4.4	
<b>4.406.1</b> 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 checked="" type="checkbox"/>		<input type="checkbox"/>
<b>Water Resistance and Moisture Management</b>		A4.4	
<b>A4.407.1</b> Install foundation and landscape drains.		<input type="checkbox"/>	<input type="checkbox"/>
<b>A4.407.2</b> Install gutter and downspout systems to route water at least 5 feet away from the foundation or connect to landscape drains which discharge to a dry well, sump, bioswale, rainwater capture system or other approved on-site location.		<input type="checkbox"/>	<input type="checkbox"/>
<b>A4.407.3</b> Provide flashing details on the building plans and comply with accepted industry standards or manufacturer's instructions.		<input type="checkbox"/>	<input type="checkbox"/>
<b>A4.407.4</b> Protect building materials delivered to the construction site from rain and other sources of moisture.		<input type="checkbox"/>	<input type="checkbox"/>
<b>A4.407.6</b> Exterior doors to the dwelling are protected to prevent water intrusion.		<input type="checkbox"/>	<input type="checkbox"/>
<b>A4.407.7</b> A permanent overhang or awning at least 2 feet in depth is provided.		<input type="checkbox"/>	<input type="checkbox"/>
<b>Construction Waste Reduction, Disposal and Recycling</b>			
<b>A4.408.1</b> Construction waste generated at the site is diverted to recycle or salvage in compliance with at least a 65 percent reduction. (Tier 1)	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<b>Building Maintenance and Operation</b>			
<b>4.410.1</b> An operation and maintenance manual shall be provided to the building occupant or owner.	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<b>Innovative Concepts and Local Environmental Conditions</b>		A4.4	
<b>A4.411.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions.			
Item 1:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p>	<p align="center"><b>Column 2</b> <b>Project Requirements</b> <i>When checked, these items become a part of the approved plans and must be installed or incorporated into the project.</i></p>		<p align="center"><b>Column 3</b> <b>Verification</b> <i>Complete after installation &amp; prior to final inspection approval</i></p>	
<p><i>See Chapter 4 and Appendix A4 of the 2013 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.</i></p>	<p><b>Mandatory &amp; Tier 1 Prerequisites</b></p>	<p><b>Tier 1 electives</b> <i>Applicant selects required elective measures</i></p>	<p><b>Verification by a third party CALGreen Special Inspector listed by the County of Sonoma</b></p>	
Item 2:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Item 3:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p><b>A4.5</b> <b>ENVIRONMENTAL QUALITY</b></p>		<p><i>All checked items are required</i></p>	<p><i>Select at least one (1) elective measure from A4.5</i></p>	<p><i>Select all measures verified in the completed project</i></p>
<p><b>Fireplaces</b></p>		A4.5		
<p><b>4.503.1</b> Any installed gas fireplace shall be a direct-vent or sealed-combustion type. Any wood stove or wood heating appliance shall be certified by the United States Environmental Protection Agency and included in the US EPA's published List of EPA Certified Wood Stoves.</p> <p>Note: Refer to the following website for EPA's published list of certified products: <a href="http://www.epa.gov/compliance/resources/publications/monitoring/caa/woodstoves/certifiedwood.pdf">www.epa.gov/compliance/resources/publications/monitoring/caa/woodstoves/certifiedwood.pdf</a></p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>Pollutant Control</b></p>		A4.5		
<p><b>4.504.1</b> Duct openings and other related air distribution component openings shall be covered during construction.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>4.504.2.1</b> Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>4.504.2.2</b> Paints, stains and other coatings shall be compliant with VOC limits.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>4.504.2.3</b> Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>4.504.2.4</b> Documentation shall be provided to verify that compliant VOC limit finish materials have been used.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>4.504.3</b> Carpet and carpet systems shall be compliant with VOC limits.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<p><b>4.504.5</b> Particleboard, medium density fiberboard (MDF), and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p>	<p align="center"><b>Column 2</b> <b>Project Requirements</b> <i>When checked, these items become a part of the approved plans and must be installed or incorporated into the project.</i></p>		<p align="center"><b>Column 3</b> <b>Verification</b> <i>Complete after installation &amp; prior to final inspection approval</i></p>
<p><i>See Chapter 4 and Appendix A4 of the 2013 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.</i></p>	<p><b>Mandatory &amp; Tier 1 Prerequisites</b></p>	<p><b>Tier 1 electives</b> <i>Applicant selects required elective measures</i></p>	<p><b>Verification by a third party CALGreen Special Inspector listed by the County of Sonoma</b></p>
<p><b>A4.504.1</b> Use composite wood products made with either California Air Resources Board approved no-added formaldehyde (NAF) resins or ultra-low emitting formaldehyde (ULEF) resins.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.504.2</b> Ninety (90) percent of floor area receiving resilient flooring shall comply with the VOC-emission limits established in section A4.504.2. (Tier 1)</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>A4.504.3</b> Install thermal insulation in compliance with the VOC-emission limits established in section A4.504.3. (Tier 1)</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>Interior Moisture Control</b></p>		<p>A4.5</p>	
<p><b>4.505.2</b> Vapor retarder and capillary break is installed at slab on grade foundations.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>4.505.3</b> Moisture content of building materials used in wall and floor framing is checked before enclosure.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>Indoor Air Quality and Exhaust</b></p>		<p>A4.5</p>	
<p><b>4.506.1</b> Humidity controlled exhaust fans which terminate outside the building are provided in every bathroom unless otherwise a component of a whole house ventilation system.</p>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
<p><b>A4.506.1</b> Higher than MERV 6 return –air filters are installed on central air or ventilation systems. Pressure drop across the filter shall not exceed 0.1 inches water column.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.506.2 [HR]</b> Provide MERV 6 return–air filters are installed on central air or ventilation systems during construction.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>A4.506.3</b> Direct vent appliances are used unless the equipment is isolated from the conditioned space in a mechanical room.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Environmental Comfort</b></p>		<p>A4.5</p>	
<p><b>4.507.2.</b> Duct systems are sized and designed and equipment is selected using the following methods:</p> <ol style="list-style-type: none"> <li>1. Establish heat loss and heat gain values according to ANSI/ACCA Manual J-2004 or equivalent.</li> <li>2. Size duct systems according to ANSI/ACCA 1 Manual D – 2009 or equivalent.</li> <li>3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2004 or equivalent.</li> </ol>	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p>	<p align="center"><b>Column 2</b> <b>Project Requirements</b> <i>When checked, these items become a part of the approved plans and must be installed or incorporated into the project.</i></p>		<p align="center"><b>Column 3</b> <b>Verification</b> <i>Complete after installation &amp; prior to final inspection approval</i></p>
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<p><b>Innovative Concepts and Local Environmental Conditions</b></p>		<p align="center">A4.5</p>	
<p><b>A4.509.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions.</p>			
<p>Item 1:</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p>Item 2:</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p>Item 3:</p>		<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p align="center"><b>INSTALLER AND CALGreen SPECIAL INSPECTOR QUALIFICATIONS</b></p>			<p align="center"><i>Select all measures verified in the completed project</i></p>
<p><b>Qualifications</b></p>		<p align="center">A4.7</p>	
<p><b>702.1</b> HVAC system installers are trained and certified in the proper installation of HVAC systems.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>
<p><b>702.2</b> The CALGreen Special Inspector for this project is listed by the County of Sonoma as an approved CALGreen Special Inspector and is qualified and able to demonstrate competence in the discipline they inspect and verify.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>
<p><b>Verifications</b></p>		<p align="center">A4.7</p>	
<p><b>703.1</b> Verification of compliance with CALGreen+Tier 1 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.</p>	<p align="center"><input checked="" type="checkbox"/></p>		<p align="center"><input type="checkbox"/></p>

# 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 PRMD.

The owner/owner’s agent, design professional, Sonoma County Plan’s Examiner and the Sonoma County approved CALGreen special inspector have reviewed the plans and certify that the items checked above are hereby incorporated into the project plans in accordance with the requirements set forth in the 2013 California Green Building Standards Code as amended by the Sonoma County Code.

Owner’s Signature \_\_\_\_\_ Date \_\_\_\_\_

Owner’s Name *(Please Print)* \_\_\_\_\_

Design Professional’s Signature \_\_\_\_\_ Date \_\_\_\_\_

Design Professional’s Name *(Please Print)* \_\_\_\_\_

Signature of Plans Examiner \_\_\_\_\_ Date \_\_\_\_\_

Check this box if the County-Listed CALGreen Special Inspector is yet to be determined. When this is the case, the owner or the owner’s agent is responsible for reviewing the plans for consistency with the CALGreen Checklist and contracting with an approved CALGreen Special Inspector prior to permit issuance.

Signature of County Listed CALGreen Special Inspector \_\_\_\_\_ Date \_\_\_\_\_

County Listed CALGreen Special Inspector’s Name *(Please Print)* \_\_\_\_\_ Phone \_\_\_\_\_

CALGreen Special Inspector’s E-mail Address \_\_\_\_\_ CALGreen Certification No. \_\_\_\_\_

# Green Building Acknowledgments

Project Address: \_\_\_\_\_

Project Description: \_\_\_\_\_

## 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 PRMD prior to PRMD final inspection.*

I have inspected the work and 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 7 of the Sonoma County Code.

_____ Signature of County Listed CALGreen Special Inspector	_____ Date
_____ CALGreen Special Inspector’s Name <i>(Please Print)</i>	_____ Phone <i>(if different than above)</i>
_____ CALGreen Special Inspector’s E-mail Address <i>(if different than above)</i>	_____ CALGreen Certification No.