

# 2013 CALGreen Checklist Nonresidential Additions and Alterations

BPC-037

(This form is effective January 1, 2014 and applies to Nonresidential Addition and Alteration projects without sleeping accommodations and meeting one of the following criteria:

- The floor area for the addition (if any) exceeds 1,000 square feet
- The permit valuation for the alteration (if any) exceeds \$200,000

**The provisions of this checklist apply only to the portions of the building being added to or altered within the scope of the permitted work.** The provisions of this checklist also apply to all tenant improvement projects meeting the criteria listed above. Newly constructed nonresidential building projects should use the Nonresidential – New Building CALGreen checklist.

(This checklist is based on 2013 CALGreen and has been revised to include County of Sonoma requirements.)

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

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

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

## INSTRUCTIONS:

1. The owner or owner's agent and the design professional, as required, shall initially complete Column 2 of this checklist, sign and date the Design Verification section at the end of this checklist for submission of permit application. PRMD plans examiners shall review checklist for compliance. The approved checklist shall be attached to the project plans as a prerequisite for plan approval.
2. Prior to final inspection, the Building Inspector shall complete Column 3 and sign or initial, and date the Implementation Verification section at the end of this checklist.

*[NOTE: The Tier 1 and Tier 2 provisions of CALGreen do not apply to Addition and Alteration projects]*

**Sonoma County Permit and Resource Management Department**  
2550 Ventura Avenue, Santa Rosa, CA 95403-2829 (707) 565-1900 Fax (707) 565-1972





<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p> <p align="center"><b>NOTE</b> <b>Listed measures are required where applicable to those portions of the building being added to or altered within the scope of the permitted work.</b></p> <p align="center"><i>See Chapter 5 of the 2013 California Green Building Code and the Sonoma County Code for complete descriptions of features or measures listed here</i></p>	<p align="center"><b>Column 2</b> <b>Mandatory Project Requirements</b></p> <p align="center"><i>All listed measures must be installed or incorporated into the project unless it is not applicable to the permitted work.</i> <b>Select all applicable measures below</b></p>	<p align="center"><b>Column 3</b> <b>Verification</b></p> <p align="center"><i>Verification required by PRMD Building Inspection</i> <b>Complete after implementation and prior to final inspection approval</b></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.303.3 Water conserving plumbing fixtures and fittings.</b> Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:</p> <p><b>5.303.3.1 Water closets.</b> The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.</p> <p><i>Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.</i></p> <p><b>5.303.3.2 Urinals.</b> The effective flush volume of urinals shall not exceed 0.5 gallons per flush.</p> <p><b>5.303.3.3 Showerheads.</b></p> <p><b>5.303.3.3.1 Single showerhead.</b> Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.</p> <p><b>5.303.3.3.2 Multiple showerheads serving one shower.</b> When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.</p> <p><i>Note: A hand-held shower shall be considered a showerhead.</i></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> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p> <p align="center"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.303.6 Plumbing fixtures and fittings.</b> <u>Newly installed plumbing fixtures and fittings</u> shall be installed in accordance with the CA Plumbing Code and shall meet the applicable standards referenced in Table 1401.1 of the CA Plumbing Code and Chapter 6 of this code.</p>	<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>

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<p><b>5.304 Outdoor Water Use</b></p> <p><b>5.304.1 Water budget.</b> A water budget shall be developed for <u>newly installed or rehabilitated landscaping or irrigation systems</u> installed in conjunction with an addition or alteration new in accordance with <a href="#">Chapter 7D3 of the Sonoma County Code (Water Efficient Landscaping)</a>.</p> <p><b>5.304.2. Outdoor potable water use.</b> For building additions or alterations requiring upgraded water service for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet, separate submeters or metering devices shall be installed for outdoor potable water use.</p> <p><b>5.304.3 Irrigation design.</b> In building additions or alterations with <u>at least 1,000 square feet but not more than 2500 square feet of cumulative added or altered landscaped area</u> (the level at which the MLO applies), install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.</p> <p><b>5.304.3.1 Irrigation controllers.</b> Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:</p> <ol style="list-style-type: none"> <li>1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change.</li> <li>2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input.</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> <p align="center"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>MATERIAL CONSERVATION AND RESOURCE EFFICIENCY (Division 5.4)</b></p>		
<p><b>5.407 Weather Resistance and Moisture Management.</b></p> <p><b>5.407.1 Weather protection.</b> When <u>adding or altering an exterior wall or foundation</u>, provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 (Weather Protection) and California Energy Code Section 150 (mandatory Features and Devices) or manufacturer's installation instructions whichever is more stringent.</p>	<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
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<p><b>5.407.2 Moisture control.</b> When <u>adding or altering irrigation sprinklers or entries and openings to a building</u>, employ moisture control measures by the following methods;</p> <p><b>5.407.2.1 Sprinklers.</b> Prevent irrigation spray on structures.</p> <p><b>5.407.2.2 Entries and openings.</b> Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings.</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><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.408 Construction Waste Reduction, Disposal and Recycling.</b></p> <p><b>5.408.1 Construction waste management.</b> Recycle and/or salvage for reuse a minimum of 50% of the nonhazardous construction waste in accordance with Section 5.408.1.1 or 5.408.1.2; or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.</p> <p><b>5.408.1.1 Construction waste management plan.</b> Submit a construction waste management plan that complies with Items 1 through 4 of Section 5.408.1.1. <b>(Support documentation required prior to permit issuance)</b></p> <p><b>5.408.1.2 Waste management company.</b> Utilize a waste management company that can provide verifiable documentation that the percentage of construction waste material diverted from the landfill complies with this section.</p> <p><b>Exceptions to Sections 5.408.1.1 and 5.408.1.2:</b></p> <ol style="list-style-type: none"> <li>Excavated soil and land-clearing debris</li> <li>Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.</li> <li>Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets, where demolition of an existing structure(s) is necessary for the new construction.</li> </ol> <p><b>5.408.1.3 Documentation.</b> Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 5.408.1.1 through Section 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency. <b>(Support documentation required prior to permit issuance)</b></p> <p><b>5.408.3 Excavated soil and land clearing debris.</b> 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled.</p> <p><b>Exception:</b> Reuse, either on- or off-site, of vegetation or soil contaminated by disease or pest infestation.</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> <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>5.410 Building Maintenance and Operation.</b></p> <p><b>5.410.1 Recycling by occupants.</b> If not provided on the existing site and <u>where site conditions permit</u>, provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of nonhazardous materials for recycling.</p> <p><b>5.410.1.1 Additions.</b> All <u>additions</u> conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site.</p> <p><b>Exception:</b> Additions within a tenant space resulting in less than a 30 percent increase in the tenant space floor area.</p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>
<p><b>5.410.4 Testing and adjusting.</b> Testing and adjusting of systems shall be required for buildings less than 10,000 square feet. Applies to new systems serving additions or alterations.</p> <p><b>5.410.4.2 Systems.</b> Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include, as applicable to the project, the systems listed in Section 5.410.4.2.</p> <p><b>5.410.4.3 Procedures.</b> Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.</p> <p><b>5.410.4.3.1 HV AC balancing.</b> In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, balance the system in accordance with the procedures defined by national standards listed in Section 5.410.4.3.1 or as approved by the enforcing agency.</p> <p><b>5.410.4.4 Reporting.</b> After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.</p> <p><b>5.410.4.5 Operation and maintenance manual.</b> Provide the building owner or representative with detailed operating and maintenance instructions and copies of warranties/guaranties for each added or altered system prior to final inspection.</p> <p><b>5.410.4.5.1 Inspections and reports.</b> Include a copy of all inspection verifications and reports required by the enforcing agency.</p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>
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<p><b>ENVIRONMENTAL QUALITY (Division 5.5)</b></p>		
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.503 Fireplaces.</b></p> <p><b>5.503.1 General (Fireplaces).</b> Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove meeting the requirements of <a href="#">Sonoma County Code Chapter 7C (Wood-Burning Appliances)</a>.</p>	<p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p>

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<p><b>POLLUTANT CONTROL</b></p>		
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.504 Pollutant Control.</b> <b>5.504.1.3 Temporary ventilation.</b> <u>If the HV AC system serving the added or altered area(s) is used during construction</u>, use return air filters with a MERV of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters of the HV AC system serving the added or altered area(s) immediately prior to occupancy.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.504.3 Covering of duct openings and protection of mechanical equipment during construction.</b> At the time of rough installation and 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 enforcing agency to reduce the amount of dust, water and debris which may enter the system.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.504.4 Finish material pollutant control.</b> <u>Newly installed finish materials</u> shall comply with Sections 5.504.4.1 through 5.504.4.4.</p> <p><b>5.504.4.1 Adhesives, sealants, caulks.</b> <u>Newly installed</u> adhesives and sealants used on the project shall meet the requirements of the following standards.</p> <ol style="list-style-type: none"> <li>1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. in Division 5</li> <li>2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.</li> </ol>	<input type="checkbox"/>  <input type="checkbox"/>	<input type="checkbox"/>  <input type="checkbox"/>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		



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<p><b>5.504.4.3 Paints and coatings.</b> <u>Newly installed architectural paints and coatings</u> shall comply with Table 5.504.4.3 in Division 5.5.</p> <p><b>5.504.4.3.1 Aerosol Paints and Coatings.</b> <u>Newly installed aerosol paints and coatings</u> shall meet the Product-Weighted MIR Limits for ROC in section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances (CCR, Title 17, Section 94520 et seq).</p> <p><b>5.504.4.3.2 Verification.</b> Verification of compliance with this section shall be provided when requested by the enforcing agency.</p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.504.4.4 Carpet systems.</b> All <u>newly installed carpet</u> in the building interior shall meet the testing and product requirements of one of the standards listed in Section 5.504.4.4.</p> <p><b>5.504.4.4.1 Carpet cushion.</b> All <u>newly installed carpet cushion</u> in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.</p> <p><b>5.504.4.4.2 Carpet adhesive.</b> All <u>newly installed carpet adhesive</u> shall meet the requirements of Table 5.504.4.1 in Division 5.5.</p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>
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<p><b>5.504.4.5 Composite wood products.</b> <u>Newly installed</u> hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in Table 5.504.4 in Division 5.5.</p> <p><b>5.504.4.5.2 Documentation.</b> Verification of compliance with this section shall be provided when requested by the enforcing agency. Documentation shall include at least one of the following as applicable.</p> <ol style="list-style-type: none"> <li>1. Product certifications and specifications.</li> <li>2. Chain of custody certifications.</li> <li>3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.)</li> <li>4. Exterior grade products marked as meeting the PS-I or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.</li> <li>5. Other methods acceptable to the enforcing agency.</li> </ol>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>
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<p><b>5.504.4.6 Resilient flooring systems.</b> For 80% of the floor area receiving <u>newly installed resilient flooring</u>, install resilient flooring complying with the VOC-emission limits defined in the 2012 CHPS criteria and listed on its High Performance Products Database; products compliant with CHPS criteria certified under the Greenguard Children &amp; Schools program; certified under the FloorScore program of the Resilient Floor Covering Institute; or meet California Department of Public Health 2010 Specification.</p> <p><b>5.504.4.6.1 Verification of compliance.</b> Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits. <b>(Support documentation required prior to final inspection approval)</b></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><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.504.5.3 Filters.</b> In <u>mechanically ventilated spaces serving additions or altered areas</u> of buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a MERV of 8. MERV 8 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.</p> <p><b>Exceptions:</b></p> <ol style="list-style-type: none"> <li>1. An ASHRAE 10-percent to 15-percent efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btuh or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W tcfm or less at design air flow.</li> <li>2. Existing mechanical equipment.</li> </ol> <p><b>5.504.5.3.1 Labeling.</b> Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.</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><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.504.7 Environmental tobacco smoke (ETS) control.</b> <u>Where outdoor areas are provided for smoking</u>, prohibit smoking (<b>by posting no smoking signage</b>) within 25 feet of building entries, outdoor air intakes and operable windows <u>and within the building as already prohibited by other laws or regulations</u>; or as enforced by ordinances, regulations, or policies of any city or county, whichever are more stringent. See <a href="#">Sonoma County Code Chapter 34 (Smoking Regulations)</a> .</p>	<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p> <p align="center"><b><u>NOTE</u></b> <b>Listed measures are required where applicable to those portions of the building being added to or altered within the scope of the permitted work.</b></p> <p align="center"><i>See Chapter 5 of the 2013 California Green Building Code and the <a href="#">Sonoma County Code</a> for complete descriptions of features or measures listed here</i></p>	<p align="center"><b>Column 2</b> <b>Mandatory Project Requirements</b></p> <p align="center"><i>All listed measures must be installed or incorporated into the project unless it is not applicable to the permitted work.</i> <b>Select all applicable measures below</b></p>	<p align="center"><b>Column 3</b> <b>Verification</b></p> <p align="center"><i>Verification required by PRMD Building Inspection</i> <b>Complete after implementation and prior to final inspection approval</b></p>
<p><b>5.505 Indoor Moisture Control.</b></p> <p><b>5.505.1 Indoor moisture control.</b> Additions or altered spaces within buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.506 Air Quality and Exhaust.</b></p> <p><b>5.506.1 Outside air delivery.</b> <u>Where newly installed, mechanically or naturally ventilated spaces in additions or altered spaces</u> within buildings, shall meet the minimum requirements of Section 121 of the California Energy Code and Chapter 4 of CCR, Title 8, or the applicable local code, whichever is more stringent.</p> <p><b>5.506.2 Carbon dioxide (CO<sub>2</sub>) monitoring.</b> For <u>additions equipped with demand control ventilation</u>, CO<sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements of the latest edition of the California Energy Code, Section 121(c)(4).</p>	<input type="checkbox"/>  <input type="checkbox"/>	<input type="checkbox"/>  <input type="checkbox"/>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		

<p style="text-align: center;"><b>Column 1</b> <b>Feature or Measure</b></p> <p style="text-align: center;"><b><u>NOTE</u></b> <b>Listed measures are required where applicable to those portions of the building being added to or altered within the scope of the permitted work.</b></p> <p style="text-align: center;"><i>See Chapter 5 of the 2013 California Green Building Code and the Sonoma County Code for complete descriptions of features or measures listed here</i></p>	<p style="text-align: center;"><b>Column 2</b> <b>Mandatory Project Requirements</b></p> <p style="text-align: center;"><i>All listed measures must be installed or incorporated into the project unless it is not applicable to the permitted work.</i> <b>Select all applicable measures below</b></p>	<p style="text-align: center;"><b>Column 3</b> <b>Verification</b></p> <p style="text-align: center;"><i>Verification required by PRMD Building Inspection</i> <b>Complete after implementation and prior to final inspection approval</b></p>
<p><b>5.507 Environmental Comfort.</b></p> <p><b>5.507.4 Acoustical control.</b> Employ building assemblies and components with STC values determined in accordance with ASTM E 90 and ASTM E 413 or OITC determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.07.4.1 or 5.507.4.2. <b>(Support documentation required prior to permit issuance)</b></p> <p><b>5.507.4.1 Exterior noise transmission, <u>Prescriptive Method</u>.</b> Wall and floor-ceiling assemblies exposed to the noise source making up the building envelope shall have exterior wall and roof-ceiling assemblies meeting a composite STC rating of at least 50 or a composite OITC rating of no less than 40 with exterior windows of a minimum STC of 40 <u>or</u> OITC of 30 in the locations described in Items 1 and 2.</p> <p><b>5.507.4.1.1 Noise exposure where noise contours are not readily available.</b> Buildings exposed to a noise level of 65 dB L<sub>eq</sub>-1Hr during any hour of operation shall have exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC or rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).</p> <p>OR</p> <p><b>5.507.4.2 Exterior noise transmission, <u>Performance Method</u>.</b> For buildings located as defined in Sections 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies making up the building envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (L<sub>eq</sub>-1Hr) of 50 dBA in occupied areas during any hour of operation.</p> <p><b>5.507.4.2.1 Site features.</b> Exterior features such as sound walls or earth berms may be utilized as appropriate to the project to mitigate sound migration to the interior.</p> <p><b>5.507.4.2.2 Documentation of compliance.</b> An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.</p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><i>Choose either Prescriptive or Performance method</i></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;">OR</p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><i>Verify either Prescriptive or Performance method</i></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;">OR</p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.507.4.3 Interior sound transmission.</b> <u>Newly installed wall and floor-ceiling assemblies separating tenant spaces and public places</u> shall have an STC of at least 40.</p>	<p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		

<p align="center"><b>Column 1</b> <b>Feature or Measure</b></p> <p align="center"><b>NOTE</b> <b>Listed measures are required where applicable to those portions of the building being added to or altered within the scope of the permitted work.</b></p> <p align="center"><i>See Chapter 5 of the 2013 California Green Building Code and the Sonoma County Code for complete descriptions of features or measures listed here</i></p>	<p align="center"><b>Column 2</b> <b>Mandatory Project Requirements</b></p> <p align="center"><i>All listed measures must be installed or incorporated into the project unless it is not applicable to the permitted work.</i> <b>Select all applicable measures below</b></p>	<p align="center"><b>Column 3</b> <b>Verification</b></p> <p align="center"><i>Verification required by PRMD Building Inspection</i> <b>Complete after implementation and prior to final inspection approval</b></p>
<p><b>5.508 Outdoor Air Quality.</b></p> <p><b>5.508.1 Ozone depletion and greenhouse gas reductions.</b> <u>New installations of HVAC, refrigeration, and fire suppression equipment</u> shall comply with Sections 5.508.1.1 and 5.508.1.2 below.</p> <p><b>5.508.1.1 Chlorofluorocarbons (CFCs.).</b> Install HVAC, refrigeration and fire suppression equipment that does not contain CFCs.</p> <p><b>5.508.1.2 Halons.</b> Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.</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><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>5.508.2 Supermarket refrigerant leak reduction.</b> New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include new facilities and replacement of existing refrigeration systems in existing facilities.</p> <p><b>Exception:</b> Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are non-ozone-depleting refrigerants that include ammonia, carbon dioxide (CO<sub>2</sub>), and potentially other refrigerants.</p>	<p align="center"><input type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p><i>Description of proposed measure(s), location of where the measure(s) is shown on plans or explanation of why the measure is not applicable:</i></p>		
<p><b>INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS</b></p>		
<p><b>QUALIFICATIONS</b></p>	<p align="center"><i>All checked items are required for the project</i></p>	<p align="center"><i>Select all measures verified in the completed project</i></p>
<p><b>702.1</b> HVAC system installers (if any) 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>VERIFICATIONS</b></p>		
<p><b>703.1</b> Verification of compliance with CALGreen for Nonresidential Additions and Alterations 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 Building Inspection.*

The owner/ design professional 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 7 of the Sonoma County Code.

\_\_\_\_\_  
Owner’s Signature

\_\_\_\_\_  
Date

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

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Section 2 – Implementation Verification

*Complete, sign and submit the completed checklist, including Column 3, together with all original signatures on 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 7 of the Sonoma County Code.

\_\_\_\_\_  
Inspector Signature

\_\_\_\_\_  
Date

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

\_\_\_\_\_