



## 2016 CALGreen Checklist Residential New Construction

This checklist is effective January 1, 2017, 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. Existing site and landscaping improvements that are not otherwise disturbed are not subject to CALGreen.

For more information on CALGreen, review Chapters 4 and Appendix 4 here:  
<https://codes.iccsafe.org/public/public/chapter/content/2057/>

For more information on the County's Green Building requirements, please visit  
[www.maringreenbuilding.org](http://www.maringreenbuilding.org) or contact Alice Zanmiller at [azanmiller@marincounty.org](mailto:azanmiller@marincounty.org)

Project Address:	
Permit Number:	
Applicant Name:	

### MANDATORY AND ELECTIVE MEASURE CHECKLIST

Measure	Plan Sheet Reference	Completed? (Yes or N/A)
<b>Mandatory Measures</b>		
<b>4.106.2</b> A plan is developed and implemented to manage stormwater runoff from the construction activities through compliance with the <a href="#">County of Marin's stormwater management ordinance</a> .		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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 to the levels identified in the County of Marin Municipal Code for multifamily dwellings		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.106.2.3</b> Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.106.4</b> Permeable paving is utilized for not less than 20 percent of the total parking, walking, or patio surfaces.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A

Measure	Plan Sheet Reference	Completed? (Yes or N/A)
<b>A4.106.5</b> Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Solar Reflectance Index (SRI) equal to or greater than the values specified in Tables A4.106.5.1(3). <i>In Marin County, this measure applies only to high-rise residential buildings, hotels, and motels with a roof slope &gt;2:12.</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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 for future EV charging. <b>OR</b> <b>A4.106.8.2</b> For multi-family dwellings, provide capability for future electrical vehicle charging as specified in the <a href="#">County of Marin Municipal Code</a>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.201.1</b> Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.203.1.1.1</b> An Energy Design Rating for the Proposed Design Building shall be computed by Compliance Software certified by the Energy Commission and this rating shall be included in the Certificate of Compliance documentation		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.203.1.1.2</b> QII procedures specified in the Building Energy Efficiency Standards Reference Residential Appendix RA3.5 shall be completed.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.203.1.2.1 Tier 1:</b> Demonstrate compliance as with energy efficiency options as outlined in the <a href="#">County of Marin Municipal Code</a> .		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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"/> Yes <input type="checkbox"/> N/A
<b>4.408.1 1</b> Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with the reporting standards outlined by <a href="#">Zero Waste Marin</a> .		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.410.1</b> An operation and maintenance manual shall be provided to the building occupant or owner.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A

<b>Measure</b>	<b>Plan Sheet Reference</b>	<b>Completed? (Yes or N/A)</b>
<b>4.410.2</b> Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.403.2</b> Cement use in foundation mix design is reduced by not less than 20 percent.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>A4.405.3.1</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. [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> ]		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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. Any mixed recyclables that are sent to mixed-waste recycling facilities shall include a qualified third party verified facility average diversion rate. Verification of diversion rates shall meet minimum certification eligibility guidelines, acceptable to the local enforcing agency.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.503.1</b> Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove meeting the requirements of <a href="#">County of Marin Municipal Code (Wood-Burning Devices)</a> .		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.504.1</b> Duct openings and other related air distribution component openings shall be covered during construction.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.504.2.1</b> Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.504.2.2</b> Paints, stains and other coatings shall be compliant with VOC limits.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.504.2.4</b> Documentation shall be provided to verify that compliant VOC limit finish materials have been used.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.504.3</b> Carpet and carpet systems shall be compliant with VOC limits.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.504.4</b> 80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<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.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>4.505.2</b> Vapor retarder and capillary break is installed at slab on grade foundations.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A

Measure	Plan Sheet Reference	Completed? (Yes or N/A)
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
4.506.1 Return air filters with a value greater than MERV 6 shall be installed on HVAC systems. Pressure drop across the filter shall not exceed 0.1 inches water column.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
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 2 Manual J-2011 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D - 2014 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.504.2 Install VOC compliant resilient flooring systems. Ninety (90) percent of floor area receiving resilient flooring shall comply with the VOC-emission limits established in section A4.504.2.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.504.3 Thermal insulation installed in the building shall install thermal insulation in compliance with VOC limits		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>Elective Measures (Enter CALGreen Measure Number – See <a href="#">CALGreen Appendix A4</a> for options)</b>		
A4.1 Elective 1:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.1 Elective 2:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.3 Elective 1:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.3 Elective 2:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.4 Elective 1:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.4 Elective 2:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
A4.5 Elective 1:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A

## Statement of Conformance

The CALGreen Special Inspector, listed below, has reviewed the plans and certifies that the mandatory and elective measures listed above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2016 California Green Building Standards Code as amended by the County of Marin.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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Name (Please Print)