



TOWN OF SAN ANSELMO

2019 CALGREEN CHECKLIST

Tier 1 Standards for Residential New Construction

This checklist is effective September 9, 2020, 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.

Submit this checklist with your plans to demonstrate compliance with the green building ordinance. This checklist includes modifications specific to the Town of San Anselmo. For more information on the Town’s Green Building requirements, please visit the [Building Department’s Green Building Resources webpage](#).

For more information on CALGreen and complete measure language, see Chapters 4 and Appendix 4 here: <https://codes.iccsafe.org/content/CAGBSC2019/table-of-contents>

PROJECT DETAILS

Project Address

APN

Applicant Name (Please Print)

PROJECT VERIFICATION

The Green Building Rater has reviewed the plans and certifies that the mandatory and elective measures listed below are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2019 California Green Building Standards Code as amended by the Town of San Anselmo.

Signature

Date

Name (Please Print)

Green Building Certification¹ and License Number

¹ CALGreen Special Inspector, LEED AP, or Green Point Rater are acceptable certifications



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<p>4.106.2 A plan is developed and implemented to manage stormwater runoff from the construction activities through compliance with the Town's Homeowner's Guide to Stormwater Management.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>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.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.106.2.3 Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.106.4 Permeable paving is utilized for not less than 20 percent of the total parking, walking, or patio surfaces.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.106.5 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).</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.106.8.1 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, as required in the Town of San Anselmo Municipal Code, Chapter 9-19.050</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.106.8.2 For multi-family dwellings and new hotels/motels, provide capability for future electrical vehicle charging as specified in the Town of San Anselmo Municipal Code, Chapter 9-19.050</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A



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A4.1 Elective 1 – SELECTED FROM CALGREEN APPENDIX A4.1:	<input type="checkbox"/> YES <input type="checkbox"/> N/A
A4.1 Elective 2 – SELECTED FROM CALGREEN APPENDIX A4.1:	<input type="checkbox"/> YES <input type="checkbox"/> N/A
4.201.1 Building meets or exceeds the requirements of the California Building Energy Efficiency Standards, and complies with one of the energy efficiency and electrification compliance options outlined in the Town of San Anselmo Municipal Code, Chapter 9-19.050 <i>Plan sheet reference (if applicable):</i>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
A4.203.1.1.1 Total Energy Design Rating (Total EDR) and Energy Efficiency Design Rating (Efficiency EDR) for the Proposed Design Building is included in the Certificate of Compliance Documentation <i>Plan sheet reference (if applicable):</i>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
A4.203.1.1.2 Quality Insulation Installation procedures specified in the Building Energy Efficiency Standards Reference Residential Appendix RA3.5 are completed. <i>Plan sheet reference (if applicable):</i>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
A4.203.1.2 One of the following options is required: <ul style="list-style-type: none"> • Roof deck insulation or ducts in conditioned space. • High-performance walls. • HERS-verified compact hot water distribution system. • HERS-verified drain water heat recovery. <i>Plan sheet reference (if applicable):</i>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
A4.203.1.3.1 Buildings complying with the first level of advanced energy efficiency shall have additional integrated efficiency and onsite renewable energy generation to achieve a Total EDR for Tier 1 as specified in Town of San Anselmo Municipal Code, Chapter 9-19.050 , or lower as calculated by Title 24, Part 6 Compliance Software approved by the Energy Commission. This Total EDR is in addition to meeting the Efficiency EDR. <i>Plan sheet reference (if applicable):</i>	<input type="checkbox"/> YES <input type="checkbox"/> N/A



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<p>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.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.303.1.4.3 Metering faucets in residential buildings shall not deliver more than 0.2 gallons per cycle.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.303.2 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the <i>California Plumbing Code</i> and shall meet the applicable referenced standards.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.304.1 Residential developments shall comply with local ordinances, MMWD's Landscape Requirements or the current California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.305.1 Newly constructed residential developments, where disinfected tertiary recycled water is available from a municipal source to a construction site, may be required to have recycled water supply systems installed, allowing the use of recycled water for residential landscape irrigation systems.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.3 Elective 1 – SELECTED FROM CALGREEN APPENDIX A4.3:</p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.3 Elective 2 – SELECTED FROM CALGREEN APPENDIX A4.3:</p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.405.3 Postconsumer or preconsumer recycled content value (RCV) materials are used on the project, not less than a 10 percent recycled content value.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A



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<p>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.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.408.1 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 Zero Waste Marin.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.408.1 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.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.410.2 Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and 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 or meet a lawfully enacted local recycling ordinance if more restrictive.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.4 Elective 1 – SELECTED FROM CALGREEN APPENDIX A4.4:</p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.4 Elective 2 – SELECTED FROM CALGREEN APPENDIX A4.4:</p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A



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<p>4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with the U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with the Bay Area Air Quality Management District's Wood-Burning Devices Rule.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.2.3 Aerosol paints and coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.3 Carpet and carpet systems shall be compliant with VOC limits.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.504.4 80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A



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<p>4.504.5 Particleboard, medium density fiberboard (MDF), and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>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.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.504.3 Thermal insulation installed in the building shall install thermal insulation in compliance with VOC limits</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.</p> <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>4.506.1 Each bathroom shall be provided with the following:</p> <ol style="list-style-type: none"> 1. ENERGY STAR fans ducted to terminate outside the building. 2. Fans must be controlled by a humidity control (Separate or built-in); OR functioning as a component of a whole-house ventilation system. 3. Humidity controls with manual or automatic means of adjustment, capable of adjustment between a relative humidity range of ≤ 50 percent to a maximum of 80 percent. <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A



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<p>4.507.2 Duct systems are sized, designed, and equipment is selected using the following methods:</p> <ol style="list-style-type: none"> 1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J-2016 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D - 2016 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent. <p><i>Plan sheet reference (if applicable):</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A
<p>A4.5 Elective 1 – SELECTED FROM CALGREEN APPENDIX A4.5:</p>	<input type="checkbox"/> YES <input type="checkbox"/> N/A