



Development Services Department
 Building Division
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Single Family Dwelling Application Checklist for Green Building Code Requirements

Based on the 2022 California Green Building Standards Code
 Mandatory Green Building Code compliance measures for single family dwellings

Feature or Measure	Mandatory Measures are required and checked below (not all items may apply to your specific project. If a measure does not apply, please select N/A)		Verification Method Applicant to select verification method for each measure OR check box immediately below to indicate verification method for all measures (items already selected will be verified by the Building Division)		
	Mandatory Measure	N/A	Building Inspector verifies (as noted)	Installer or Designer <input type="checkbox"/> All	Third party <input type="checkbox"/> All
Site Development					
4.106.2 A plan is developed to manage storm water drainage during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106.4.1 Provide capability for electric vehicle charging for one- and two-family dwellings; in accordance with Section 4.106.4.1.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy Efficiency					
General					
4.201.1 Building meets or exceeds the requirements of the <i>California Building Energy Efficiency Standards</i> .	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water Efficiency and Conservation					
Indoor Water Use					
4.303.1 Plumbing fixtures (water closets and urinals) and fittings (showerheads, faucets and pre-rinse spray valves) installed in residential buildings shall comply with the prescriptive requirements of Sections 4.303.1.1 through 4.303.1.4.5.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
4.303.1.1 Water closets. 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 Water Sense Specification for Tank-type Toilets. 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
4.303.1.3.1 Single showerhead. 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 Water Sense Specification for Showerheads.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
4.303.1.3.2 Multiple showerheads serving one shower. 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	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>

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operation at a time. Note: A hand-held shower shall be considered a showerhead.					
4.303.1.4 Residential lavatory faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
4.303.3 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"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Water Use					
4.304.1 New residential developments shall comply with California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), with City of Roseville amendments per the City adopted ordinance.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Reviewed BY EU When applicable	<input type="checkbox"/>	<input type="checkbox"/>
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY					
Enhanced Durability and Reduced Maintenance					
4.406.1 Annular spaces around pipes, electric cables, conduits, or other openings in plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Waste Reduction, Disposal and Recycling					
4.408.1 A construction waste management plan shall be submitted for approval that: 1. Identifies the materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale. 2. Specifies if materials will be sorted on-site or mixed for transportation to a diversion facility. 3. Identifies the diversion facility where the material collected will be taken. 4. Identifies construction methods employed to reduce the amount of waste generated. 5. Specifies that the amount of materials diverted shall be calculated by weight or volume, but not both. This may be done by completing the 'Construction & Demolition Waste Management Plan Resource Guide for Contractors' form that is required for this project by local ordinance (RMC Sec. 9.17). This is available online. This documents shall be provided to both the Building Division and the Solid Waste Division. This can be submitted to the Solid Waste Division for submittal via email or in person. Receipts shall be provided to inspector prior to final for compliance with Documentation requirement of Sec. 4.408.5	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	Reviewed by Solid Waste, Receipts collected by Building Inspector	<input type="checkbox"/>	<input type="checkbox"/>
Building Maintenance and Operation					
4.410.1 At the time of final inspection, a manual, compact disk, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building. 1. Directions that the manual stays with the house for the life cycle of the structure.	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>

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<p>2. Operation and Maintenance instructions for equipment, appliances, including water-saving devices and systems, HVAC systems, water-heating systems and other major appliances and equipment. Roof and yard drainage, including gutters and downspouts. Space conditioning systems, including condensers and air filters. Landscape irrigation systems. Water reuse systems.</p> <p>3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations.</p> <p>4. Public transportation and/or carpool options available in the area.</p> <p>5. Educational material on the positive impacts of an interior relative humidity between 30-60% and what methods on occupant may use to maintain the relative humidity level in that range.</p> <p>6. Information about water conserving landscape and irrigation design and controllers which conserve water.</p> <p>7. Instruction for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation.</p> <p>8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc.</p> <p>9. Information about state solar energy and incentive programs available.</p> <p>A copy of all special inspection verifications required by the enforcing agency or this code.</p>					
ENVIRONMENTAL QUALITY					
Fireplaces					
<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 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 applicable local ordinances. Please complete an Air Quality Certificate of Compliance for Residential Construction. This can be downloaded on our website.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
Pollutant Control					
<p>4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
<p>4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.</p>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<p>4.504.2.3 Aerosol paints and coatings shall be compliant with product-weighted MIR Limits for ROC and other toxic compounds.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
<p>4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.</p>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<p>4.504.3 Carpet and carpet systems shall be compliant with VOC limits.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
<p>4.504.4 80% of floor area receiving resilient flooring shall comply with specified VOC criteria.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
<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>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
Interior Moisture Control					

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<p>4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following:</p> <ol style="list-style-type: none"> 1. A 4-inch-thick (101.6 mm) base of 1/2 inch (12.7 mm) or larger clean aggregate shall be provided with a vapor retarder in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06. 2. Other equivalent methods approved by the enforcing agency. 3. A slab design specified by a licensed design professional. 	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4.505.3 Moisture content of building materials. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19-percent moisture content. Moisture content shall be verified in compliance with the following:</p> <ol style="list-style-type: none"> 1. Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.8 of this code. 2. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece to be verified. 3. At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing. <p>Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
Indoor Air Quality and Exhaust					
<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. 	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental Comfort					
<p>4.507.2 Duct systems are sized, designed, and equipment is selected using the following method s:</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 I Manual D-2016 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent. 	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS					
<p>702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>

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702.2 Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.	<input checked="" type="checkbox"/> <input type="checkbox"/> N/A		<input type="checkbox"/>	<input type="checkbox"/>

703.1 Verification of compliance with this code may include certification, inspection reports, or other methods which show substantial conformance.

Applicant Name: _____

Signature: _____

Date: _____