



2010 CALGreen Residential Mandatory Measures Checklist

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Feature or Measure	Required
PLANNING AND DESIGN	
Site Development (4.106)	
Storm water drainage management shall be implemented during construction.	
Surface water shall be managed to drain away from buildings.	
WATER EFFICIENCY AND CONSERVATION	
Indoor Water Use (4.303)	
20% Savings. A schedule of plumbing fixtures and fixture fitting that will reduce the overall use of potable water within the building by 20% shall be provided. The 20% reduction shall be achieved by either prescriptive method per Table 4.303.2 or performance method by providing calculations.	
Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads controlled by a single valve shall not exceed the maximum flow rates at $\geq 20\%$ reduction column in Table 4.303.2 or the shower shall be designed to only allow one showerhead to be in operation at a time.	
Plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall meet the standards referenced in Table 4.303.3.	
Outdoor Water Use (4.304)	
Automatic irrigation systems controllers installed at the time of final inspection shall be weather-based with rain sensor or soil moisture-based.	
MATERIAL CONSERVATION AND RESOURCE	
Enhanced Durability and reduced Maintenance (4.406)	
Joints and openings. 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.	
Construction Waste Reduction, Disposal and Recycling (4.408)	
A minimum of 50% of the non-hazardous construction waste generated at the site shall be diverted to recycle or salvaged. This is achieved by submitting a Waste Management Plan for approval by the Building and Safety Department prior to demolition permit issuance and providing documentation to demonstrate compliance with the Waste Management Plan after completion of demolition and/or prior to final inspection.	
Building Maintenance and Operation (4.410)	
An operation and maintenance manual shall be available in the building at the time of final inspection.	
ENVIRONMENTAL QUALITY	
Fireplaces (4.503.1)	
Gas fireplace shall be a direct-vent sealed-combustion type.	
Woodstove or pellet stove shall be EPA certified.	
Pollutant Control (4.504)	
At the time of rough installation, during storage on the construction site and until final startup	

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of the heating, cooling and ventilation equipment, all duct and toher related air distribution component openings shall be covered.	
Adhesives, sealants and caulks shall be compliant with VOC and other toxic compounds limits as shown in Table 4.504.1 or 4.504.2 as applicable.	
Aerosol adhesives and smaller unit sizes of adhesives and sealant or caulking compounds shall comply with statewide VOC standards and other requirements.	
Paints, stains and other coatings shall be compliant with VOC limits as shown in Table 4.504.3.	
Aerosol paints and coatings shall be compliant with Product-Weighted MIR limits for ROC, VOC and other toxic compounds limits.	
Carpet and carpet systems shall be compliant with VOC and formaldehyde emission limits.	
At least 50% of floor area receiving resilient flooring shall comply with the VOC-emission limits defined in the Collaborative for High Performance Schools (CHPS) Products Database or certified under the Greenguard Children & Schools program, or be certified under the Resilient Floor Covering Institute (RCFI) FloorScore program, or meet the California Department of Public Health Specification 01350.	
Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior or exterior finish systems shall comply with formaldehyde emission limits per Table 4.504.5.	
Documentation shall be provided to the City building inspector verifying that compliant finish materials have been used.	
Interior Moisture Control (4.505)	
Capillary break shall be installed at slab on grade foundations.	
Moisture content of building materials used in wall and floor framing shall not to exceed 19% before enclosure.	
Indoor Air Quality and Exhaust (4.506)	
Bathroom exhaust fans shall be ENERGY STAR ducted to outside.	
Unless functioning as a component of a whole house ventilation system, bathroom exhaust fans must be controlled by a humidistat between a relative humidity range of 50% - 80%.	
Environmental Comfort (4.507)	
Whole house exhaust fans shall have insulated louvers or covers, which close when the fan is off. Covers or louvers shall have a minimum insulation value of R-4.2.	
Duct systems are sized, designed, and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to Air Conditioning Contractors of America (ACCA) Manual J or equivalent. 2. Size duct systems according to ACCA 29-D (Manual D) or equivalent. 3. Select heating and cooling equipment according to ACCA 36-S (Manual S) or equivalent.	
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS	
Qualifications (702)	
HVAC system installers are trained and certified in the proper installation of HVAC systems.	
Special inspectors employed by the owner or owner's agent must be qualified and able to demonstrate competence in the discipline they are inspecting.	
Verifications (703)	
Verification of compliance with this code may include construction documents, plans specifications builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency, which show substantial conformance.	