



2010 CALGREEN RESIDENTIAL CHECKLIST – MANDATORY ITEMS

COMMUNITY DEVELOPMENT DEPARTMENT • BUILDING DIVISION
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PURPOSE:

The 2010 CalGreen Code applies to all newly constructed hotels, motels, lodging houses, dwellings, dormitories, condominiums, shelters, congregate residences, employee housing, factory-built housing and other types of swellings with sleeping accommodations and new accessory buildings associated with such uses. Existing site and landscaping improvements that are not otherwise disturbed are not subject to the requirements of CALGreen.

Project Name: _____

Project Address: _____

Project Description: _____

Instructions:

1. The Owner or the Owner’s agent shall employ a licensed professional experienced with the 2010 California Green Building Standards Codes to verify and assure that all required work described herein is properly planned and implemented in the project.
2. The licensed professional, in collaboration with the owner and the design professional shall initial **Column 2** of this checklist, sign and date **Section 1 - Design Verification** at the end of this checklist and have the checklist printed on the approved plans for the project.
3. Prior to final inspection by the Building Department, the licensed professional shall complete **Column 3** and sign and date **Section 2 - Implementation Verification** at the end of this checklist and submit the completed form to the Building Inspector.

MANDATORY FEATURE OR MEASURE	Column 2	Column 3
	Project Requirements	Verification
A4.1 PLANNING AND DESIGN		
Planning and Design - Site Preservation		
4.104.1 A site plan and inventory of the site is developed and used to minimize site disturbance in order preserve desirable existing natural resources and minimize future adverse effects on the proposed structure.	<input type="checkbox"/>	<input type="checkbox"/>
Planning and Design - Site Development		
4.106.2 A plan is developed and implemented to manage storm water drainage during construction.	<input type="checkbox"/>	<input type="checkbox"/>
4.106.3 The site shall be planned and developed to keep surface water away from buildings. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows.	<input type="checkbox"/>	<input type="checkbox"/>

A4.2 ENERGY EFFICIENCY

General

4.201.1 Low-rise residential buildings shall meet or exceed the minimum standard design required by the California Energy Standards.

A4.3 WATER EFFICIENCY AND CONSERVATION

Indoor Water Use

4.303.1 Indoor water use shall be reduced by at least 20 percent using one of the follow methods.

- Water saving fixtures or flow restrictors shall be used per Table 4.303.2.
- A 20 percent reduction in baseline water use shall be demonstrated per Table 4.303.1.

As of 7/01/2011

4.303.2 When using the calculation method specified in Section 4.303.1, multiple showerheads shall not exceed maximum flow rates.

As of 7/01/2011

4.303.3 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with specified performance requirements.

As of 7/01/2011

Outdoor Water Use

4.304.1 Automatic irrigation systems installed at the time of final inspection shall be weather-based.

A4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

Enhanced Durability and Reduced Maintenance

4.406.1 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

4.408.2 Where a local jurisdiction does not have a construction and demolition waste management ordinance, a construction waste management plan shall be submitted for approval to the enforcing agency.

Building Maintenance and Operation

4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.

A4.5 ENVIRONMENTAL QUALITY

Fireplaces

4.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove.



Pollutant Control

4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.



4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.



4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.



4.504.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.



4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.



4.504.3 Carpet and carpet systems shall be compliant with VOC limits.



4.504.4 Fifty (50) percent of floor area receiving resilient flooring shall comply with the VOC-emission limits defined in the Collaborative for High Performance Schools (CHPS) Low-emitting Materials List or be certified under the Resilient Floor Covering Institute (RCFI) FloorScore program.



4.504.5 Particleboard, medium density fiberboard (MDF), and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.



Interior Moisture Control

4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.



4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.



Indoor Air Quality and Exhaust		
4.506.1 Exhaust fans which terminate outside the building are provided in every bathroom.	<input type="checkbox"/>	<input type="checkbox"/>
Environmental Comfort		
4.507.1 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.	<input type="checkbox"/>	<input type="checkbox"/>
4.507.2. Duct systems are sized and designed and equipment is selected using the following methods: <ol style="list-style-type: none"> 1. Establish heat loss and heat gain values according to 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. 	<input type="checkbox"/>	<input type="checkbox"/>
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS		
Qualifications		
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	<input type="checkbox"/>	<input type="checkbox"/>
702.2 The Licensed Professional responsible to verify CALGreen compliance is qualified and able to demonstrate competence in the discipline they inspect and verify.	<input type="checkbox"/>	<input type="checkbox"/>
Verifications		
703.1 Verification of compliance with CALGreen 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.	<input type="checkbox"/>	<input type="checkbox"/>

CALGREEN SIGNATURE DECLARATIONS

Project Name: _____

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 the Building Department.

The owner and design professional responsible for compliance with CalGreen Standards have revised 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 2010 California Green Building Standards Code as adopted by the City of Cupertino.

Owner's Signature

Date

Owner's Name (Please Print)

Design Professional's Signature

Date

Design Professional's Name (Please Print)

Signature of License Professional responsible for CalGreen compliance

Date

Name of License Professional responsible for CalGreen compliance (Please Print)

Phone

Email Address for License Professional responsible for CalGreen compliance

SECTION 2 – IMPLEMENTATION VERIFICATION

Complete, sign and submit the completed checklist, including column 3, together with all original signatures on Section 2 to the Building Department prior to Building Department final inspection.

I have inspected the work and 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 of the 2010 California Green Building Standards Code as adopted by the City of Cupertino.

Signature of License Professional responsible for CalGreen compliance

Date

Name of License Professional responsible for CalGreen compliance (Please Print)

Phone

Email Address for License Professional responsible for CalGreen compliance