



## 2016 CALIFORNIA GREEN BUILDING CODE RESIDENTIAL CHECKLIST

*New residential buildings must be designed to include the Green Building Mandatory Measures specified in this checklist. These Green Building Mandatory Measures also apply to additions or alterations of existing residential buildings which increase the building's conditioned area, volume, or size. These requirements apply only to the specific area of addition or alteration.* *2016 CGC §301.1.1*

Permit Number: \_\_\_\_\_ Project Address: \_\_\_\_\_

***Specify the page which includes the Measure, and include specific details indicating where the measure is located on the page. Include exact code sections on plans.***

<b>Green Building Measure</b>	<b>Plan Sheet/ Details</b>
<b>SITE DEVELOPMENT (2016 CGC §4.106)</b>	
Projects that disturb less than less than one acre shall develop and implement a plan to manage storm water drainage <b>DURING CONSTRUCTION</b> . A BMP page is sufficient. <span style="float: right;">2016 CGC §4.106.2</span>	
Plans shall indicate how Grading and Paving will prevent surface water flows from entering buildings. Exception: Projects that do not alter the drainage path. <span style="float: right;">2016 CGC §4.106.3</span>	
Electric Vehicle (EV) Charging, parking spaces: comply with all relevant sections. <span style="float: right;">CGC §4.106.4</span>	
<b>ENERGY EFFICIENCY (2016 CGC and the 2016 California Building Energy Efficiency Standards)</b>	
2016 Energy Code performance (T-24) compliance documentation must be provided in 8-1/2" X 11" format (two sets, file size) and must be replicated on the plans.	
Walls with 2 X 6 and larger framing require R-19 insulation. <span style="float: right;">2016 CEC §150.0 (c) 2</span>	
Hot water piping insulation required: piping 3/4 inch or larger. <span style="float: right;">2016 CEC §150.0 (j) 2 A ii</span>	
Lighting: all luminaires shall be high efficacy. Comply with all parts. <span style="float: right;">2016 CEC §150.0 (k)</span>	
Duct insulation: minimum (R-6) required. <span style="float: right;">2016 CEC §150.0 (m) 1</span>	
Duct leakage testing: 6% with air handler, 4% w/o air handler. <span style="float: right;">2016 CEC §150.0 (m) 11</span>	
Return duct design/fan power, airflow testing, and grill sizing requirements §150.0(m)13	
Water heating: 120 volt receptacle < 3 ft., Cat III or IV vent, and gas supply line capacity of at least 200,000 Btu / hour. <span style="float: right;">2016 CEC §150.0 (n)</span>	
Third-party HERS verification for ventilation and indoor air quality. <span style="float: right;">2016 CEC §150.0 (o)</span>	
Maximum U-factor (0.58) for fenestration and skylights. <span style="float: right;">2016 CEC §150.0 (q)</span>	
Classification of High & Low efficacy light sources. <span style="float: right;">2016 CEC Table 150.0-A</span>	
Radiant barrier required in Climate Zone 3. (prescriptive) <span style="float: right;">2016 CEC §150.1 (c) 2</span>	
Refrigerant charge verification not required, Climate Zone 3. <span style="float: right;">2016 CEC Table 150.0-A</span>	Not required in climate zone 3
Maximum SHGC not specified in Climate Zone 3. <span style="float: right;">2016 CEC Table 150.0-A</span>	
Whole house fan is not required, Climate Zone 3. <span style="float: right;">2016 CEC Table 150.0-A</span>	

Green Building Measure	Plan Sheet/ Details
<b>INDOOR WATER USE (2016 CGC §4.3)</b>	
The effective flush volume of water closets will not exceed 1.28 gal / flush. 2016 CGC §4.303.1.1	
The effective flush volume of urinals will not exceed 0.125 gal / flush. 2016 CGC §4.303.1.2	
Maximum flow rate for showers shall be 2.0 GPM, at 80 psi. 2016 CGC §4.303.1.3	
Maximum flow rate for lavatory faucets shall be 1.2 GPM, at 60 psi. 2016 CGC §4.303.1.4.1	
<b>OUTDOOR WATER USE (2016 CGC §4.4)</b>	
New residential developments with an aggregate landscape area of more than 499 square feet shall submit a Residential Outdoor Water Use Efficiency Checklist. 2016 CGC §4.304.1	
<b>ENHANCED DURABILITY AND REDUCED MAINTENANCE (2016 CGC §4.406)</b>	
Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls will be rodent-proofed by closing such openings with cement mortar, concrete masonry, or similar method acceptable to the enforcing agency. 2016 CGC §4.406.1	
<b>CONSTRUCTION WASTE MANAGEMENT (2016 CGC §4.408)</b>	
Recycle and/or salvage a minimum 65% of the non-hazardous construction and demolition waste. This is not applicable to soil and land clearing debris. 2016 CGC §4.408	
<b>BUILDING MAINTENANCE AND OPERATION (2016 CGC §4.410)</b>	
An operation and maintenance manual will be provided at final inspection. 2016 CGC §4.410.1	
For buildings with more than 4 multi-family units provide for recycling. 2016 CGC §4.410.2	
<b>FIREPLACES (2016 CGC §4.503)</b>	
Any installed gas fireplaces will be direct-vent, sealed-combustible type. 2016 CGC §4.503.1	
Any installed woodstove or pellet stove shall comply with U.S. EPA NSPS emission limits.	
<b>POLLUTANT CONTROL (CGC §4.504)</b>	
At the time of rough installation, during storage on the construction site, and until final startup of the HVAC equipment, all duct and other related air distribution components openings will be covered with tape, plastic, sheet metals, or other methods acceptable to the enforcing agency to reduce the amount of water, dust, or debris that may enter the system. 2016 CGC §4.504.1	
Adhesives, sealants, and caulks used on the project shall follow local and regional air pollution or air quality management district standards. 2016 CGC §4.504.2.1	
Paints and coatings will comply with VOC limits. 2016 CGC §4.504.2.2	
Aerosol paints and coatings will meet the Product-weighted MIR limits for ROC, and comply with percent VOC by weight of product limits, Regulation 8, Rule 49. 2016 CGC §4.504.2.3	
Documentation shall verify compliance for VOC finish materials. 2016 CGC §4.504.2.4	
Carpet systems will meet CALGREEN testing and product requirements. 2016 CGC §4.504.3	
Where resilient flooring is installed, at least 80% of the floor area receiving resilient flooring will comply with the California Green Building Code requirements. 2016 CGC §4.504.4	
Hardwood plywood, particleboard, and medium density fiberboard composite wood products shall comply with the low formaldehyde emission standards. 2016 CGC §4.504.5	

<b>Green Building Measure</b>		<b>Plan Sheet/ Details</b>
<b>INTERIOR MOISTURE CONTROL (2016 CGC §4.505)</b>		
A capillary break will be installed if a slab on grade foundation system is used. 2016 CGC §4.505.2		
Building materials with visible signs of water damage will not be installed. Wall and floor framing will not be enclosed when the framing members exceed 19% moisture content. Moisture content will be verified prior to finish material being applied. Replace wet insulation products, or allow to dry before enclosure. 2016 CGC §4.505.3		
<b>INDOOR AIR QUALITY AND EXHAUST (2016 CGC §4.506)</b>		
Exhaust fans that are ENERGY STAR compliant, ducted and that terminate outside the building will be provided in every bathroom (bathtub, shower, or shower/tub combo). 2016 CGC §4.506.1 Unless functioning as a component of a whole-house ventilation system, fans must be controlled by a humidity control. 2016 CGC §4.506.1		
<b>ENVIRONMENTAL COMFORT (CGC §4.507)</b>		
The heating and air-conditioning system will be sized, designed and have their equipment selected using the following methods: Heat Loss/Heat Gain values in accordance with ANSI/ACCA 2 Manual J-2011 or equal; Duct systems are sized according to ANSI/ACCA 1, Manual D-2014 or equivalent; Select heating and cooling equipment in accordance with ANSI/ACCA 3, Manual S-2014 or equivalent. 2016 CGC §4.507		
<b>INSTALLER SPECIAL INSPECTOR QUALIFICATION (2016 CGC §702)</b>		
HVAC system installers will be trained and certified in the proper installation of HVAC systems and equipment by a recognized training/certification program. 2016 CGC §702.1		
<b>VERIFICATION (2016 CGC §703)</b>		
Upon request, verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the Building Division that will show substantial conformance with the 2016 Code requirements. 2016 CGC §703.1		
<b>Responsible Designer's Declaration Statement</b>	<b>Contractor's Declaration Statement</b>	
I hereby certify that this project has been designed to meet the requirements of the 2016 Green Building Code.	I hereby certify, as the builder or installer, under permit listed herein, that this project will be constructed to meet the requirements of the 2016 Green Building Code.	
Name:	Name:	
Address:	Address:	
City/State/Zip Code	City/State/Zip Code	
Signature:	Signature:	
Date:	Date:	