



City of Santa Clara

Building Division
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**2016 CALIFORNIA GREEN BUILDING STANDARD CODE (CGC)
 RESIDENTIAL CHECKLIST**

New residential buildings shall be designed to include the green building mandatory measures specified in this checklist. This checklist shall also be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to the specific area of the addition or alteration.

BUILDING PERMIT NO.: BLD20
 ADDRESS: _____

MANDATORY MEASURES SPECIFIED
 (Please check boxes below)

Feature or Measure	Yes
SITE DEVELOPMENT (CGC 4.106)	
Storm water drainage and retention during construction. A plan has been developed and will be implemented to manage storm water drainage during construction per CGC 4.106.2.	<input type="checkbox"/>
Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings per CGC 4.106.3.	<input type="checkbox"/>
Electric vehicle (EV) charging for new construction. Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages; and 3% of total parking spaces, as specified, for multifamily dwellings per CGC 4.106.4.	<input type="checkbox"/>
ENERGY EFFICIENCY (CGC 4.201)	
Building meets or exceeds the requirements of the <i>California Building Energy Efficiency Standards</i> per CGC 4.201.1.	<input type="checkbox"/>
WATER EFFICIENCY AND CONSERVATION	
INDOOR WATER USE (CGC 4.303)	
Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the prescriptive requirements of Section 4.303.1.1 through 4.303.1.4.4.	
Water closets: The effective flush volume of shall not exceed 1.28 gallons per flush (CGC 4.303.1.1).	<input type="checkbox"/>
Urinals: The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush, and all other urinals shall not exceed 0.5 gallons per flush (CGC 4.303.1.2).	<input type="checkbox"/>
Showerheads. The flow rate for single showerhead and multiple showerheads serving one shower shall not exceed 2.0 gallons per minute at 80 psi, and shall be certified to the performance criteria of the U.S. EPA WaterSense Specification (CGC 4.303.1.3).	<input type="checkbox"/>
Residential lavatory faucets. The flow rate shall not be more than 1.2 gallons per minute at 60 psi, and less than 0.8 gallons per minute at 20 psi (CGC 4.303.1.4.1).	<input type="checkbox"/>
Lavatory faucets in common and public. The flow rate shall not exceed 0.5 gallons per minute at 60 psi (CGC 4.303.1.4.2).	<input type="checkbox"/>
Metering Faucets. The flow rate shall not deliver more than 0.25 gallons per cycle (CGC 4.303.1.4.3).	<input type="checkbox"/>
Kitchen Faucets. The flow rate shall not exceed 1.8 gallons per minute at 60 psi (CGC 4.303.1.4.4).	<input type="checkbox"/>
Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code per CGC 4.303.2.	<input type="checkbox"/>

OUTDOOR WATER USE (CGC 4.304)	
Outdoor potable water use in landscape areas. New residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with CGC 4.304.1.	<input type="checkbox"/>
ENHANCED DURABILITY AND REDUCED MAINTENANCE (CGC 4.406)	
Rodent proofing. Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be rodent proofed by closing such openings with cement mortar, concrete masonry, or similar method acceptable to the enforcing agency per CGC 4.406.1.	<input type="checkbox"/>
CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING (CGC 4.408)	
Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of nonhazardous construction and demolition waste in accordance with Section 4.408.2, 4.408.3, or 4.408.4, or meet a more stringent local construction and demolition waste management (CGC 4.408.1).	<input type="checkbox"/>
BUILDING MAINTENANCE AND OPERATION (CGC 4.410)	
An operation and maintenance manual shall be provided to the building occupant or owner per CGC 4.410.1.	<input type="checkbox"/>
Recycling by occupants. 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 depositing, storage and collection of nonhazardous materials for recycling per CGC 4.410.2.	<input type="checkbox"/>
ENVIRONMENTAL QUALITY (CGC 4.503)	
Gas fireplace. Any installed gas fireplaces shall be a direct-vent sealed-combustible type per CGC 4.503.1.	<input type="checkbox"/>
Woodstoves. 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 per CGC 4.503.1.	<input type="checkbox"/>
POLLUTANT CONTROL (CGC 4.504)	
Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution components openings shall be covered with tape, plastic, sheet metals, or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris, which may enter the system per CGC 4.504.1.	<input type="checkbox"/>
Adhesive, sealants and caulks shall meet the VOC or other toxic compound limits per CGC 4.504.2.1.	<input type="checkbox"/>
Paints, stains and other coatings shall comply with VOC limits per CGC 4.504.2.2.	<input type="checkbox"/>
Aerosol paints and coatings shall meet the product-weighted MIR limits for ROC and other requirements per CGC 4.504.2.3.	<input type="checkbox"/>
Verification. Documentation shall be provided, at the request of the Building Division, to verify compliance with VOC finish materials per CGC 4.504.2.4.	<input type="checkbox"/>
Carpet systems. All carpet installed in the building interior shall meet the testing and product requirement per CGC 4.504.3.	<input type="checkbox"/>
Resilient flooring systems. Where resilient flooring is installed, at least 80% of the floor area receiving resilient flooring will comply with the requirements per CGC 4.504.4.	<input type="checkbox"/>
INTERIOR MOISTURE CONTROL (CGC 4.505)	
Concrete slab foundations. Vapor retarder and capillary break shall be installed if a slab on grade foundation system is used. The use of a 4" thick base of ½" or larger clean aggregate under a 6 mil vapor retarder with joint lapped not less than 6" shall be provided per CGC 4.505.2 and CRC R506.2.3.	<input type="checkbox"/>
Moisture content of building material. 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% moisture content. Moisture content shall be checked prior to finish material being applied per CGC 4.505.3.	<input type="checkbox"/>

ENVIRONMENTAL COMFORT (CGC 4.507)	
<p>Heating and air-conditioning system shall be sized, designed and have their equipment selected using the following methods per CGC 4.507.2:</p> <ol style="list-style-type: none"> 1. Heat Loss/Heat Gain values in accordance with ANSI/ACCA 2 Manual J-2011 or equivalent; 2. Duct systems are sized according to ANSI/ACCA 1, Manual D-2014 or equivalent; 3. Select heating and cooling equipment in accordance with ANSI/ACCA 3, Manual S-2014 or equivalent. 	<input type="checkbox"/>
INSTALLER AND SPECIAL INSPECTOR QUALIFICATION (CGC 702)	
<p>Installer training. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a recognized training or certification program per CGC 702.1.</p>	<input type="checkbox"/>
<p>Special inspection. Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting per CGC 702.2.</p>	<input type="checkbox"/>
VERIFICATION (CGC 703)	
<p>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 department which will show substantial conformance per CGC 703.1.</p>	<input type="checkbox"/>

Responsible Designer's Declaration Statement	Contractor Declaration Statement
I hereby certify that this project has been designed to meet the requirements of the 2016 California Green Building Standards Code.	I hereby certify, as the builder or installer under the permit listed herein, that this project will be constructed to meet the requirements of the California Green Building Standards Code.
Name:	Name:
Signature:	Signature:
Date:	Date:
Company:	License:
Address:	Address:
City: State: Zip:	City: State: Zip: