



CALGREEN: RESIDENTIAL BUILDING PLAN SUBMITTAL 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 buildings conditioned area, volume, or size. The requirements shall apply only to the specific area of the addition or alteration.

*** LOCAL GREEN BUILDING REACH CODE MEASURES ARE DENOTED WITH AN ASTERISK, HIGHLIGHTED IN GREEN AND REFERENCE THE SAN MATEO MUNICIPAL CODE (SMMC).**

PROJECT TYPE: New Single Family or Duplex New Multifamily Building New ADU

Alteration/Addition

Other: _____

ADDRESS: _____

Feature or Measure (For full details of the code requirements see the 2022 CALGreen Code [CGC])	Yes or N/A Plan Reference
PLANNING AND DESIGN	
SITE DEVELOPMENT (CGC 4.106)	
Storm water pollution control (CGC 4.106.2 & 4.106.3). A plan has been developed and will be implemented to manage storm water drainage during construction. Note: Refer to the State Water Resource Control Board for project which disturb one acre or more of soil or are part of a larger common plan of development which in total disturbs one acre or more of soil.	
Grading and Paving (CGC 4.106.3). Construction plans to indicate how site grading and drainage system will manage all water flows to keep water from entering buildings. Exception: Alterations and additions not altering the drainage path.	
*Electric Vehicle Charging for New Construction. *Single Family, Duplex, and Townhouse (SMMC 23.70.030): One parking space provided shall be a Level 2 EV Ready space. If a second parking space is provided, it shall be provided with a Level 1 EV Ready space.	
*Multifamily dwelling (SMMC 23.70.040): 15 percent of dwelling units with parking spaces shall include Level 2 EV Ready and 85 percent of dwelling units with parking spaces shall be provided with Low Power Level 2 EV Ready space.	
*Electric Readiness Requirements for Existing One- and Two-family dwellings (SMMC 23.70.080): <ul style="list-style-type: none"> Laundry area alterations. Alterations to areas designated for installation of laundry equipment shall include a 240 v, 30 ampere circuit and receptacle installed within 6 feet of clothes drying appliance location. Kitchen alterations. Kitchen alterations shall include a 240 v, 50 ampere circuit and receptacle installed within 6 feet of the cooktop, oven, and/or range location. 	
*Electric Readiness requirements for Existing Residential Buildings (SMMC 23.70.080): <ul style="list-style-type: none"> Electrical panels. Electrical panel upgrades/replacements shall include reserved physical space for overcurrent protection devices, and transformers shall include reserved electrical capacity, as calculated per California Electric Code Section. 	

Feature or Measure (For full details of the code requirements see the 2022 CALGreen Code [CGC])	Yes or N/A Plan Reference
INDOOR WATER USE (CGC 4.303)	
<p>Water conserving plumbing fixtures. Plumbing fixtures (Water closets and urinals) shall comply with the following:</p> <ol style="list-style-type: none"> 1. The effective flush volume of all water closets shall not exceed 1.28 gal/flush (CGC 403.1.1). 2. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gal/flush. The effective flush volume for all other urinals shall not exceed 0.5 gal/flush. (CGC 403.1.2). 	
<p>Water conserving plumbing fittings. Fittings (faucets and showerheads) have all required standards listed on plans and are in accordance to CGC 4.303.1.3 and CGC 403.1.4.</p>	
OUTDOOR WATER USE (CGC 4.304)	
<p>Scope. The provisions of Section 4.304 reference the mandatory Model Water Efficiency Landscape Ordinance (MWELO) contained within Chapter 2.7, Division 2, Title 23 of the California Code of Regulations per CGC 4.304.1 as amended in SMMC Chapter 23.72.</p>	
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	
ENHANCED DURABILITY AND REDUCED MAINTENANCE (CGC 4.406)	
<p>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.</p>	
CONSTRUCTION WASTE REDUCTION, DISPOSAL, AND RECYCLING (CGC 4.408)	
<p>Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste per CGC 4.408.1</p>	
BUILDING MAINTENANCE AND OPERATION (CGC 4.410)	
<p>Operation and maintenance manual. An operation and maintenance manual will be provided to the building occupant or owner per CGC 4.410.1.</p>	
<p>Recycling by occupants. Where 5 or more multifamily dwelling units are constructed on a single site, provide readily accessible collection areas that serve all buildings on the site for depositing, storage and collection of non-hazardous recyclables (including paper, corrugated cardboard, glass, plastics, organic waste, and metals) or meet a lawfully enacted local recycling ordinance, if more restrictive per CGC 4.410.2.</p>	
ENVIRONMENTAL QUALITY	
<p>Fireplaces. Any installed gas fireplace shall be a direct-vent sealed-combustion type per CGC 4.503.1</p>	
<p>Woodstoves. Any wood stove or pellet stove shall comply with US EPA New Source Performance Standards emission limits per CGC 4.503.1. Woodstoves shall also comply with applicable Bay Area Quality Management District (BAAQMD) requirements.</p>	
POLLUTANT CONTROL (CGC 4.504)	
<p>Duct and mechanical systems protection. 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.</p>	
<p>Finish material pollutant control. Finish materials shall comply with Sections 4.504.2.1 through 4.504.5.1.</p>	
<p>Adhesives, sealants and caulk. Adhesives, sealants and caulk used on the project shall be compliant with VOC and toxic compound limits given in CGC 4.504.2.1.</p>	
<p>Paints and coatings. Paints, stains and coatings shall comply with VOC limits per CGC 4.504.2.2.</p>	
<p>Aerosol paints and coatings. Aerosol paints and coatings shall meet the product-weighted MIR limits for ROC and other toxic compounds per requirements given in CGC 4.504.2.3.</p>	
<p>Verification. Documentation shall be provided, at the request of the Building Division, to verify that VOC limit finish materials have been used per CGC 4.504.2.4.</p>	
<p>Carpet systems. All carpet installed in the building interior shall meet the testing and product requirement for VOC limits per CGC 4.504.3. Carpet cushion and adhesive also must comply.</p>	
<p>Resilient flooring systems. 80% of floor area receiving resilient floor shall comply with specified VOC limits per CGC 4.504.4.</p>	

Feature or Measure (For full details of the code requirements see the 2022 CALGreen Code [CGC])	Yes or N/A Plan Reference
Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall comply with the low formaldehyde emission standards per CGC 4.504.5.	
Documentation. Verification of compliance with this section shall be provided at the request of the enforcing agency.	
Concrete slab foundations. A capillary break shall be installed if a slab on grade foundation system is used. The use of a 4" thick base of $\frac{1}{2}$ " or larger clean aggregate under a vapor retarder with minimum thickness as specified in CBC 1907.1 or CRC R506.2.3 with joint lapped not less than 6", other equivalent methods approved by the enforcing agency or a slab design by a licensed design professional be provided per CGC 4.505.2.	
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% moisture content. Moisture content shall be checked prior to finish material being applied per CGC 4.505.3.	
INDOOR AIR QUALITY AND EXHAUST (CGC 4.506)	
Bathroom exhaust fans. Each bathroom shall be provided with the following per CGC 4.506.1 <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. Humidity controls with manual or automatic means of adjustment, capable adjustment between a relative humidity range of \leq 50 percent to a maximum of 80 percent.	
ENVIRONMENTAL COMFORT (CGC 4.507)	
Heating and air conditioning. Heating and air-conditioning system shall be sized, designed and have their equipment selected using the following methods: <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; Select heating and cooling equipment in accordance with ANSI/ACCA 3, Manual S-2014 or equivalent.	
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS	
HVAC INSTALLER QUALIFICATION (CGC 702)	
HVAC installer training. HVAC system installers shall be trained and certified in the proper installation of HVAC systems and equipment by a recognized training or certification program per CGC 702.1.	
VERIFICATION (CGC 703)	
Compliance documentation. 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.	

Responsible Designer's Declaration Statement	
<p>I hereby certify that this project has been designed to meet the requirements of the 2022 California Green Building Standards Code with local green building reach code amendments.</p>	
Name:	Company:
Signature:	Address:
Date:	City/St/Zip: