

2019 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.

2019 CGC §301.1.1

Permit Number: _____ Project Address: _____

Specify which sheet includes the Measure, and add specific details listing where the measure is located on that page. Include exact code sections on plans.

Green Building Measure	Plan Sheet, And details
SITE DEVELOPMENT (2019 CGC §4.106)	
Projects that disturb less than less than one acre shall develop and implement a plan to manage storm water drainage DURING CONSTRUCTION . A BMP page is sufficient. 2019 CGC §4.106.2	
Plans shall indicate how Grading and Paving will prevent surface water flows from entering buildings. Exception: Projects that do not alter the drainage path. 2019 CGC §4.106.3	
Electric Vehicle (EV) Charging, parking spaces: comply with relevant sections. 2019 CGC §4.106.4	
ENERGY EFFICIENCY (2019 CGC and the 2019 California Building Energy Efficiency Standards)	
2019 Energy Code performance (T-24) compliance documentation must be provided in 8-1/2" X 11" format, and must be replicated on the plans. 2019 CEC §150.1 (b)	
BUILDING ENVELOPE INSULATION, climate zone 3, Table 150.1-A, and B:	
Below Roof Deck, No Insulation is required.	Not Required
Ceiling Insulation, Minimum R-30 Insulation Required.	
Radiant Barrier, Required, per Section 110.8(j) and Reference Residential Appendix RA4.	
Walls, Above or Below Grade, meet standards in Table 150.1-A, or B.	
Floors, Slab perimeter NR, Raised R-19, Concrete Raised U Factor 0.269.	
Quality Insulation Installation Inspection (QII) is Required by a third party.	
Hot water piping insulation required: 3/4 inch or larger. 2019 CEC §150.0 (j) 2 A i, ii, iii	
Lighting: luminaires shall meet the requirements in Table 150.0-A, 2019 CEC §150.0 (k)	
Fenestration Maximum U-factor 0.30. No SHGC requirement. Table 150.1-A, and B	
Maximum Total Area, 20%, no maximum for West Facing Area Table 150.1-A, and B	
Door Maximum U-factor 0.20. Table 150.1-A, and B	
Whole House Fan, none required in climate zone 3. Table 150.1-A, and B	
PV: new low-rise residential only, per equation 150.1-C, Annual Photo Voltaic Output	

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Duct insulation: minimum (R-6) required. 2019 CEC §150.0 (m) 5	
Duct leakage testing: 5% with air handler. 2019 CEC §150.0 (m) 11	
Water heating: 120 volt, 20 Amp receptacle < 3 ft., Cat III or IV vent, condensate drain, and gas supply line capacity of at least 200,000 Btu / hour. 2019 CEC §150.0 (n)	
Third-party HERS verification for ventilation and indoor air quality. 2019 CEC §150.0 (o)	
Maximum U-factor (0.58) for fenestration and skylights. 2019 CEC §150.0 (q)	
INDOOR WATER USE (2019 CGC §4.3)	
The effective flush volume of water closets will not exceed 1.28 gal / flush. 2019 CGC §4.303.1.1 For dual flush toilets average two reduced flushes with one full flush.	
The effective flush volume of urinals will not exceed 0.125 gal / flush. 2019 CGC §4.303.1.2	
Maximum flow rate for showers shall be 1.8 GPM, at 80 psi. 2019 CGC §4.303.1.3	
Maximum flow rate for lavatory faucets shall be 1.2 GPM, at 60 psi. 2019 CGC §4.303.1.4.1	
Maximum flow rate for kitchen faucets shall be 1.8 GPM, at 60 psi. Can temporarily increase to 2.2 GPM, but must default back to maximum flow rate of 1.8 GPM 2019 CGC §4.303.1.4.4	
OUTDOOR WATER USE (2019 CGC §4.4)	
Residential developments shall submit a California Department of Water Resources' Model Water Use Efficient Landscape (MWELO) checklist. 2019 CGC §4.304.1	
ENHANCED DURABILITY AND REDUCED MAINTENANCE (2019 CGC §4.406)	
Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom 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. 2019 CGC §4.406.1	
CONSTRUCTION WASTE MANAGEMENT (2019 CGC §4.408)	
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. 2019 CGC §4.408	
BUILDING MAINTENANCE AND OPERATION (2019 CGC §4.410)	
An operation and maintenance manual will be provided at final inspection. 2019 CGC §4.410.1	
For buildings with more than 4 multi-family units provide for recycling. 2019 CGC §4.410.2	
FIREPLACES (2019 CGC §4.503)	
Any installed gas fireplaces will be direct-vent, sealed-combustible type. 2019 CGC §4.503.1	
Any installed woodstove or pellet stove shall comply with U.S. EPA NSPS emission limits.	
POLLUTANT CONTROL (2019 CGC §4.504)	
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. 2019 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. 2019CGC §4.504.2.1	
Paints and coatings will comply with VOC limits. 2019CGC §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. 2019 CGC §4.504.2.3	
Documentation shall verify compliance for VOC finish materials. 2019 CGC §4.504.2.4	
Carpet systems will meet CALGREEN testing and product requirements. 2019 CGC §4.504.3	

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Where resilient flooring is installed, at least 80% of the floor area receiving resilient flooring will comply with the California Green Building Code requirements. 2019 CGC §4.504.4		
Hardwood plywood, particleboard, and medium density fiberboard composite wood products shall comply with the low formaldehyde emission standards. 2019 CGC §4.504.5		
INTERIOR MOISTURE CONTROL (2019 CGC §4.505)		
A capillary break will be installed if a slab on grade foundation system is used. 2019 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. 2019 CGC §4.505.3		
INDOOR AIR QUALITY AND EXHAUST (2019 CGC §4.506)		
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). 2019 CGC §4.506.1 Unless functioning as a component of a whole-house ventilation system, fans must be controlled by a humidity control. 2019 CGC §4.506.1		
ENVIRONMENTAL COMFORT (2019 CGC §4.507)		
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-2016 or equal; Duct systems are sized according to ANSI/ACCA 1, Manual D-2016 or equivalent; Select heating and cooling equipment in accordance with ANSI/ACCA 3, Manual S-2014 or equivalent. 2019 CGC §4.507		
INSTALLER AND SPECIAL INSPECTOR QUALIFICATION (2019 CGC §702)		
HVAC system installers will be trained and certified in the proper installation of HVAC systems and equipment by a recognized training/certification program. 2019 CGC §702.1		
When required by the enforcing agency, shall employ Special Inspectors 2019 CG §702.2		
VERIFICATION (2019 CGC §703)		
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 2019 Code requirements. 2019 CGC §703.1		
Responsible Designer's Declaration Statement	Contractor's Declaration Statement	
I hereby certify that this project has been designed to meet the requirements of the 2019 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 2019 Green Building Code.	
Name:	Name:	
Address:	Address:	
City/State/Zip Code	City/State/Zip Code	
Signature:	Signature:	
Date:	Date:	