



City of Long Beach
 Department of Development Services
BUILDING AND SAFETY BUREAU
2013 California Green Building Standards Code
 Residential Measures



FEATURE OR MEASURES	VERIFICATIONS: SPECIFY VERIFICATION METHOD		
	Enforcing Agency	Installer or Designer	Third Party
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"/>	<input type="checkbox"/>
4.106.3 Construction plan shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106.2.3 (LBMC) Topsoil shall be protected or saved for reuse as specified in this section. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion. <i>Note:</i> Protection from erosion includes covering with tarps, straw, mulch, chipped wood, vegetative cover, or other means acceptable to the enforcing agency to protect the topsoil for later use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106.4 (LBMC) Permeable paving is utilized for the parking, walking, or patio surfaces in compliance with the following: Not less than 20 percent of the total parking, walking, or patio surfaces shall be permeable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106.5 (LBMC) Roofing material shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Solar Reflectance Index (SRI) equal to or greater than the values specified in Tables A4.106.5.1(1) and A4.106.5.1(2) for low rise residential buildings and Tables A4.106.5.1(3) and A4.106.5.1(4) for high rise buildings. <i>Low Rise Building.</i> Roof covering shall meet or exceed the values contained in Table A4.106.5.1(1) <i>High Rise Building.</i> Roof covering shall meet or exceed the values contained in Table A4.106.5.1(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy Efficiency			
4.201.1 Building meets or exceeds the requirements of the California Building Energy Efficiency Standards,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WATER EFFICIENCY AND CONSERVATION			
Indoor Water Use			
4.303.1 Plumbing fixtures (water closet and urinals) and fittings (faucet and shower heads) installed in residential buildings shall comply with the prescriptive requirements of Section 4.303.1.1 through 4.303.1.4.4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.303.2 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the California Plumbing Code, and shall meet the applicable referenced standards..	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Water Use			
4.304.1 Automatic irrigation systems controllers installed at the time of final inspection shall be weather or soil moisture based.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.304.3 (LBMC) A water budget shall be developed for landscape irrigation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.304.4 (LBMC) Provide water efficiency landscape irrigation design that reduces the use of potable water. Does not exceed 65 percent of <i>ETo</i> times the landscape area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MATERIAL CONSERVATION AND RESOURCE EFFICIENCY			
Foundation Systems			
4.403.2 (LBMC) Cement use in the foundation mix design is reduced. Not less than a 20 percent reduction in cement use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material Sources			
4.405.3 (LBMC) Use materials with post-consumer or pre-consumer recycled content value (RCV) for a minimum of 10% of the total recycled content value, based on estimated cost of materials on the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enhanced durability and Reduced Maintenance			
4.406.1 Annular spaces around pipes, electrical 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Waste Reduction, Disposal and Recycling			
4.408.1. (LBMC) The construction meeting the threshold of Section LBMC18.67.020 shall comply with LBMC Chapter 18.67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Building Maintenance and Operation			
4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENTAL QUALITY			
Fireplaces			
4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with US EPA Phase II emission limits where applicable. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutant Control			
4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.3 Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.3 Carpet and carpet systems shall be compliant with VOC limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.4 80 percent of floor area receiving resilient flooring shall comply with the VOC-emission limits defined in the Collaborative for High Performance Schools (CHPS) High Performance Products Database or be certified under the Resilient Floor Covering Institute (RFCI) Floor Score Program; or meet California Dept of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emission from Indoor Sources Using Environmental Chambers", Version 1.1, February 2010 (also known as Specification 01350.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.5 Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2 (LBMC) Install VOC compliant resilient flooring system. At least 90 percent of the resilient flooring installed shall comply.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.3 (LBMC) Thermal insulation installed in the building shall meet the following requirement: 1. Install thermal insulation in compliance with the VOC-emission limits defined in Collaborative for High Performance Schools (CHPS) Low-emitting Materials List.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Interior Moisture Control			
4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>
Environmental Comfort			
4.507.2. Duct systems are sized, designed, and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to ANSI/ ACCA 2 Manual J-2004 or equivalent. 2. Size duct systems according to ANSI/ ACCA 1 Manual D-2009 or equivalent. 3. Select heating and cooling equipment according to ANSI/ ACCA 3 Manual S-2004 or equivalent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INSTALLER AND SPECIAL INSPECTOR			
Qualifications			
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
702.2 Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Verifications			
703.1 Verification of compliance with this code may include construction documents, plans, specifications of builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>