

**TABLE A4.602  
RESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST**

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>PLANNING AND DESIGN</b>						
<b>Site Selection</b>						
<b>A4.103.1</b> A site which complies with at least one of the following characteristics is selected: 1. An infill site is selected. 2. A greyfield site is selected. 3. An EPA-recognized Brownfield site is selected.						
<b>A4.103.2</b> Facilitate community connectivity by one of the following methods: 1. Locate project within a 1/4-mile true walking distance of at least 4 basic services; 2. Locate project within 1/2-mile true walking distance of at least 7 basic services; 3. Other methods increasing access to additional resources.						
<b>Site Preservation</b>						
<b>A4.104.1</b> An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided training or instruction to appropriate entities.						
<b>Deconstruction and Reuse of Existing Materials</b>						
<b>A4.105.2</b> Existing buildings are disassembled for reuse or recycling of building materials. The proposed structure utilizes at least one of the following materials which can be easily reused: 1. Light fixtures 2. Plumbing fixtures 3. Doors and trim 4. Masonry (reused for flatwork) 5. Electrical devices 6. Appliances 7. Foundations or portions of foundations						
<b>Site Development</b>						
<b>4.106.2</b> A plan is developed and implemented to manage storm water drainage during construction.	X					
<b>4.106.3</b> Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	X					
<b>4.106.4.1</b> Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages in accordance with Section 4.106.4.1.	X					

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>4.106.4.2</b> Provide capability for electric vehicle charging for multi-family dwellings and hotels/motels in accordance with Sections 4.106.4.2.1 or 4.106.4.2.2 as applicable.	X					
<b>4.106.4.3</b> Provide capability for electric vehicle charging for existing parking lots or new parking lots for existing residential buildings in accordance with Section 4.106.4.3 as applicable.	X					
<b>4.106.5</b> Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum 3-year aged Solar Reflectance Index (SRI) equal to or greater than the values specified in LAMC Table 4.106.5.	X					
<b>4.106.7</b> Reduce nonroof heat islands for 25% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed.	X					
<b>A4.106.1</b> Reserved.						
<b>A4.106.2.1</b> Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.						
<b>A4.106.2.2</b> Soil disturbance and erosion are minimized by at least one of the following:  1. Natural drainage patterns are evaluated and erosion controls are implemented to minimize erosion during construction and after occupancy.  2. Site access is accomplished by minimizing the amount of cut and fill needed to install access roads and driveways.  3. Underground construction activities are coordinated to utilize the same trench, minimize the amount of time the disturbed soil is exposed and the soil is replaced using accepted compaction methods.						
<b>A4.106.2.3</b> Topsoil shall be protected or saved for reuse as specified in this section.  Tier 1. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion.  Tier 2. The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.		X <sup>2</sup>	X <sup>2</sup>  X <sup>2</sup>			
<b>A4.106.3</b> Post-construction landscape designs accomplish one or more of the following:  1. Areas disrupted during construction are restored to be consistent with native vegetation species and patterns.  2. Utilize at least 75% native California or drought tolerant plant and tree species appropriate for the climate zone region.						

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<p><b>A4.106.4</b> Permeable paving is utilized for the parking, walking or patio surfaces in compliance with the following:</p> <p>Tier 1. Not less than 20% of the total parking, walking or patio surfaces shall be permeable.</p> <p>Tier 2. Not less than 30% of the total parking, walking or patio surfaces shall be permeable.</p>		X <sup>2</sup>	X <sup>2</sup>			
<p><b>A4.106.5</b> Roofing materials 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 LAMC Tables A4.106.5.1(1) and A4.106.5.1(2) for low-rise residential buildings and LAMC Tables A4.106.5.1(3) and A4.106.5.1(4) for high-rise residential buildings.</p> <p style="text-align: center;"><b>Low-Rise Residential</b></p> <p>Tier 1 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(1).</p> <p>Tier 2 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(2).</p> <p style="text-align: center;"><b>High-Rise Residential, Hotels and Motels</b></p> <p>Tier 1 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(3).</p> <p>Tier 2 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(4).</p>		X <sup>2</sup>	X <sup>2</sup>			
<p><b>A4.106.6</b> Install a vegetated roof for at least 50% of the roof area. Vegetated roofs shall comply with requirements for roof gardens and landscaped roofs in the <i>California Building Code</i>, Chapters 15 and 16.</p>						
<p><b>A4.106.7</b> Reduce nonroof heat islands for 50% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed.</p>						
<p><b>A4.106.8.1</b> Tier 1 and Tier 2 for one- and two-family dwellings and townhouses with attached private garages. Install a dedicated 208/240-volt branch circuit, including an overcurrent protective device rated at 40 amperes minimum per dwelling unit.</p>		X <sup>2</sup>	X <sup>2</sup>			
<p><b>A4.106.8.2</b> Provide capability for future electric vehicle charging in new multi-family dwellings, hotels and motels, as specified.</p> <p>Tier 1. 35 percent of the total number of parking spaces shall be electric vehicle (EV ready) with low power Level 2 EV charging receptacles. For projects with 20 or more dwelling units, sleeping units or guest rooms, 10 percent of the total number of parking spaces shall be equipped with Level 2 EVSE.</p>		X <sup>2</sup>				

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<p>Tier 2. 40 percent of the total parking spaces shall be electric vehicle (EV ready) with low power Level 2 EV charging receptacles. For projects with 20 or more dwelling units, sleeping units or guest rooms, 15 percent of the total number of parking spaces shall be equipped with Level 2 EVSE.</p> <p>See LAMC Subdivision 99.04.106.4.2 for additional requirements related to EVCS for multi-family dwellings and “R” occupancies other than one- and two-family dwellings.</p>			X <sup>2</sup>			
<p><b>A4.106.9</b> Provide bicycle parking facilities as noted below or meet a local ordinance, whichever is more stringent. Number of bicycle parking spaces may be reduced, as approved by the enforcing agency, due to building site characteristics, including but not limited to, isolation from other development.</p> <ol style="list-style-type: none"> <li>1. Provide short-term bicycle parking, per CALGreen Section A4.106.9.1.</li> <li>2. Provide long-term bicycle parking for multi-family buildings, per CALGreen Section A4.106.9.2.</li> <li>3. Provide long-term bicycle parking for hotel and motel buildings, per CALGreen Section A4.106.9.3.</li> </ol>						
<p><b>A4.106.10 [HR]</b> Outdoor lighting systems shall be designed and installed to comply with:</p> <ol style="list-style-type: none"> <li>1. The minimum requirements in the <i>California Energy Code</i> for Lighting Zones 1-4; and</li> <li>2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and</li> <li>3. Allowable BUG ratings not exceeding those shown in CALGreen Table A4.106.10; or</li> </ol> <p>Comply with a lawfully enacted local ordinance, whichever is more stringent.</p>						
<b>Innovative Concepts and Local Environmental Conditions</b>						
<p><b>A4.108.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions.</p> <p>Item 1</p> <p>Item 2</p> <p>Item 3</p>						
<b>ENERGY EFFICIENCY</b>						
<b>General</b>						
<p><b>4.201.1</b> Building meets or exceeds the requirements of the <i>California Building Energy Efficiency Standards</i>.<sup>3</sup></p>	X	X <sup>2</sup>	X <sup>2</sup>			

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>Performance Approach for Newly Constructed Buildings</b>						
<b>A4.203.1.1</b> Hourly Source Energy Rating (EDR1). EDR1 ratings for building design shall be computed by Energy Compliant software and shall reduce the EDR1 required by the software by the compliance margins specified in Table A4.203.1.1.		X <sup>2</sup>	X <sup>2</sup>			
<b>A4.203.1.2</b> Prerequisite options. In addition, a minimum of two of the efficiency measures specified in Sections A4.203.1.2.1 through A4.203.1.2.8 will be required to be met. <ul style="list-style-type: none"> <li>• Roof deck insulation or ducts in conditioned space.</li> <li>• High-performance walls.</li> <li>• Compact hot water distribution system.</li> <li>• Drain water heat recovery.</li> <li>• High performance vertical fenestration.</li> <li>• Heat pump water heater demand management.</li> <li>• Battery storage system controls.</li> <li>Heat pump space and water heating.</li> </ul>		X <sup>2</sup>	X <sup>2</sup>			
<b>A4.203.1.3</b> Consultation with local electric service provider. Local jurisdictions considering adoption of reduced EDR targets based on using solar photovoltaic (PV) systems larger than required by the <i>California Energy Code</i> shall consult with the local electric service provider to ensure that that PV system sizing required to comply with the EDR targets will be acceptable to the local electric service provider.		X <sup>2</sup>				
<b>Performance Approach for Additions</b>						
<b>A4.204.1.1</b> Tier 1. If only one mechanical system is added or modified, the Energy Budget is no greater than 95% of the Title 24, Part 6, Energy Budget for the Standard Design Building. If two or more mechanical systems are added or modified, the Energy Budget is no greater than 90% of the Title 24, Part 6, Energy Budget for the Standard Design Building.		X <sup>2</sup>				
<b>A4.204.1.2</b> Tier 2. If only one mechanical system is added or modified, the Energy Budget is no greater than 90% of the Title 24, Part 6, Energy Budget for the Standard Design Building. If two or more mechanical systems are added or modified, the Energy Budget is no greater than 85% of the Title 24, Part 6, Energy Budget for the Standard Design Building.			X <sup>2</sup>			

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency  All	Installer or Designer  All	Third Party  All
		Tier 1	Tier 2			
<b>Renewable Energy</b>						
<p><b>4.211.4</b> Buildings shall comply with the following:</p> <p>1. All one- and two-family dwellings shall comply with Section 110.10(b)1A, 110.10(b)2, 110.10(b)3, 110.10(b)4, 110.10(c), 110.10(d) and 110.10(e) of the <i>California Energy Code</i> (Title 24, Part 6).</p> <p>2. All buildings, other than one- and two-family dwellings, shall comply with Section 110.10(b) through 110.10(d) of the <i>California Energy Code</i> (Title 24, Part 6).</p>	X					
<b>WATER EFFICIENCY AND CONSERVATION</b>						
<b>Indoor Water Use</b>						
<p><b>4.303.1</b> Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of CALGreen Sections 4.303.1.1 through 4.303.1.4.4.</p>	X					
<p><b>4.303.2</b> Plumbing fixtures and fittings required in CALGreen Section 4.303.1 shall be installed in accordance with the <i>California Plumbing Code</i>, and shall meet the applicable referenced standards.</p>	X					
<p><b>4.303.3</b> Multi-family dwellings not exceeding three stories and containing 50 units or less shall install a separate meter or sub-meter within each individual dwelling unit and within common areas, such as recreation and laundry rooms.</p>	X					
<p><b>4.303.4</b> A 20% reduction in the overall use of potable water within the building shall be provided, as specified.</p>	X					
<p><b>A4.303.1</b> Kitchen faucets. The maximum flow rate of kitchen faucets shall not exceed 1.5 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.5 gallons per minute at 60 psi. <b>Note:</b> Where complying faucets are available, aerators or other means may be used to achieve reduction.</p>						
<p><b>A4.303.2</b> Alternate water source for nonpotable applications. Alternate nonpotable water sources are used for indoor potable water reduction. Alternate nonpotable water sources shall be installed in accordance with the <i>California Plumbing Code</i>.</p>						
<p><b>A4.303.3</b> Install at least one qualified ENERGY STAR dishwasher or clothes washer.</p>						
<p><b>A4.303.4</b> Nonwater urinals or waterless toilets are installed.</p>						

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>A4.303.5</b> Hot water recirculation systems. One- and two-family dwellings shall be equipped with a demand hot water recirculation system, as defined in Chapter 2 of this Code. The demand hot water recirculation system shall be installed in accordance with the <i>California Plumbing Code</i> , <i>California Energy Code</i> , and the manufacturer's installation instructions.						
<b>Outdoor Water Use</b>						
<b>4.304.1</b> After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options:  1. A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELo), whichever is more stringent; or  2. Projects with aggregate landscape areas less than 2,500 square feet may comply with the MWELo's Appendix D Prescriptive Compliance Option.	X					
<b>4.304.3</b> A landscape water meter provided by the City of Los Angeles Department of Water and Power shall be installed for landscape irrigation.	X					
<b>4.304.4</b> Locks shall be installed on all publicly accessible exterior faucets and hose bibs.	X					
<b>4.304.5</b> For one- and two-family dwellings, any permanently installed outdoor in-ground swimming pool or spa shall be equipped with a cover having a manual or power-operated reel system.	X					
<b>A4.304.1</b> Rainwater catchment systems. An approved rainwater catchment system is designed and installed to use rainwater generated by at least 65% of the available roof area. Rainwater catchment systems shall be designed and installed in accordance with the <i>California Plumbing Code</i> .						
<b>A4.304.2</b> Potable water elimination. When landscaping is provided and as allowed by local ordinance, a water efficient landscape irrigation design that eliminates the use of potable water beyond the initial requirements for plant installation and establishment should be provided. Methods used to accomplish the requirements of this section must be designed to the requirements of the <i>California Building Standards Code</i> and shall include, but not be limited to, the following: 1. Use of captured rainwater. 2. Use of recycled water. 3. Water treated for irrigation purposes and conveyed by a water district or public entity. 4. Use of graywater.						

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>A4.304.3</b> For new water service connections, landscaped irrigated areas less than 5,000 square feet shall be provided with separate sub-meters or metering devices for outdoor potable water use.						
<b>WATER REUSE SYSTEMS</b>						
<b>4.305.1</b> Waste piping shall be arranged to permit the discharge from the clothes washer, bathtub, showers, and bathroom/restroom wash basins to be used for a future graywater irrigation system.	X					
<b>4.305.2</b> When City-recycled water is available for use within 200 feet of the property line, 100% of water for water closets, urinals, floor drains, and process cooling and heating in that building shall come from City-recycled water.	X					
<b>4.305.3</b> Cooling towers shall comply with LAMC Section 99.04.305.3.1 or 99.04.305.3.2.	X					
<b>4.305.4</b> Where groundwater is being extracted and discharged, a system for onsite reuse of the groundwater shall be developed and constructed.	X					
<b>A4.305.1</b> Graywater. Alternative plumbing piping installed to permit the discharge from the clothes washer or other fixtures and used for irrigation in compliance with the Los Angeles Plumbing Code.						
<b>A4.305.2</b> Recycled water piping is installed.						
<b>A4.305.3</b> Recycled water is used for landscape irrigation.						
<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.306.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions. Item 1 Item 2 Item 3						
<b>MATERIAL CONSERVATION AND RESOURCE EFFICIENCY</b>						
<b>Foundation Systems</b>						
<b>A4.403.2</b> Cement use in foundation mix design is reduced. Tier 1. Not less than a 20% reduction in cement use. Tier 2. Not less than a 25% reduction in cement use.		X <sup>2</sup>	X <sup>2</sup>			
<b>Efficient Framing Techniques</b>						
<b>A4.404.1</b> Beams and headers and trimmers are the minimum size to adequately support the load.						
<b>A4.404.2</b> Building dimensions and layouts are designed to minimize waste.						



FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>A4.404.3</b> Use premanufactured building systems to eliminate solid sawn lumber whenever possible.						
<b>A4.404.4</b> Material lists are included in the plans which specify material quantity and provide direction for on-site cuts.						
<b>Material Sources</b>						
<b>A4.405.1</b> One or more of the following building materials, that do not require additional resources for finishing are used:  1. Exterior trim not requiring paint or stain. 2. Windows not requiring paint or stain. 3. Siding or exterior wall coverings which do not require paint or stain.						
<b>A4.405.2</b> Floors that do not require additional coverings are used including but not limited to stained, natural or stamped concrete floors.						
<b>A4.405.3</b> Post-consumer or pre-consumer recycled content value (RCV) materials are used on the project.  Tier 1. Not less than a 10% recycled content value.  Tier 2. Not less than a 15% recycled content value.		X <sup>2</sup>				
<b>A4.405.4</b> Renewable source building products are used.						
<b>Enhanced Durability and Reduced Maintenance</b>						
<b>4.406.1</b> Annular spaces around pipes, electric 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.	X					
<b>Water Resistance and Moisture Management</b>						
<b>4.407.3</b> Provide flashing details on the building plans and comply with accepted industry standards or manufacturer's instructions.	X					
<b>4.407.4</b> Protect building materials delivered to the construction site from rain and other sources of moisture.	X					
<b>A4.407.1</b> Install foundation and landscape drains.						
<b>A4.407.2</b> Install gutter and downspout systems to route water at least 5 feet away from the foundation or connect to landscape drains which discharge to a dry well, sump, bioswale, rainwater capture system or other approved on-site location.						
<b>A4.407.6</b> Exterior doors to the dwelling are protected to prevent water intrusion.						
<b>A4.407.7</b> A permanent overhang or awning at least 2 feet in depth is provided.						

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>Construction Waste Reduction, Disposal and Recycling</b>						
<b>4.408.1</b> Comply with Section 66.32 et seq. of the Los Angeles Municipal Code.	X					
<b>A4.408.1</b> Construction waste generated at the site is diverted to recycle or salvage in compliance with one of the following:  1. Tier 1 at least a 65% reduction. Any mixed recyclables that are sent to mixed-waste recycling facilities shall include a qualified third party verified facility average diversion rate. Verification of diversion rates shall meet minimum certification eligibility guidelines, acceptable to the local enforcing agency.  2. Tier 2 at least a 75% reduction with a third-party verification.  <b>Exception:</b> Equivalent waste reduction methods are developed by working with local agencies.		X <sup>2</sup>				
			X <sup>2</sup>			
<b>Building Maintenance and Operation</b>						
<b>4.410.1</b> An operation and maintenance manual shall be provided to the building occupant or owner.	X					
<b>4.410.2</b> Where 5 or more multi-family dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. See exception for rural jurisdictions.	X					
<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.411.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions.  Item 1 Item 2 Item 3						
<b>ENVIRONMENTAL QUALITY</b>						
<b>Fireplaces</b>						
<b>4.503.1</b> Any installed gas fireplace shall be a direct-vent sealed-combustion type. 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. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.	X					

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>Pollutant Control</b>						
<b>4.504.1</b> Duct openings and other related air distribution component openings shall be covered during construction.	X					
<b>4.504.2.1</b> Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits	X					
<b>4.504.2.2</b> Paints, stains and other coatings shall be compliant with VOC limits.	X					
<b>4.504.2.3</b> Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds.	X					
<b>4.504.2.4</b> Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	X					
<b>4.504.3</b> Carpet and carpet systems shall be compliant with VOC limits.	X					
<b>4.504.4</b> 80% of floor area receiving resilient flooring shall comply with specified VOC criteria.						
<b>4.504.5</b> Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.	X					
<b>A4.504.1</b> Use composite wood products made with either California Air Resources Board approved no-added formaldehyde (NAF) resins or ultra-low emitting formaldehyde (ULEF) resins.						
<b>A4.504.2</b> Install VOC compliant resilient flooring systems. Tier 1. At least 90% of the resilient flooring installed shall comply. Tier 2. At least 100% of the resilient flooring installed shall comply.		X <sup>2</sup>	X <sup>2</sup>			
<b>A4.504.3</b> Thermal insulation installed in the building shall meet the following requirements: Tier 1. Install thermal insulation in compliance with VOC limits. Tier 2. Install insulation which contains No-Added Formaldehyde (NAF) and is in compliance with Tier 1.		X <sup>2</sup>	X <sup>2</sup>			
<b>Interior Moisture Control</b>						
<b>4.505.2</b> Vapor retarder and capillary break is installed at slab-on-grade foundations.	X					
<b>4.505.3</b> Moisture content of building materials used in wall and floor framing is checked before enclosure.	X					

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency <u>All</u>	Installer or Designer <u>All</u>	Third Party <u>All</u>
		Tier 1	Tier 2			
<b>Indoor Air Quality and Exhaust</b>						
<b>4.506.1</b> Return air filters with a value greater than MERV 6 shall be installed on HVAC systems. Pressure drop across the filter shall not exceed 0.1 inches water column.						
<b>A4.506.2 [HR]</b> Provide filters on return air openings rated MERV 6 or higher during construction when it is necessary to use HVAC equipment.						
<b>A4.506.3</b> Direct-vent appliances shall be used when equipment is located in conditioned space; or the equipment must be installed in an isolated mechanical room.						
<b>Environmental Comfort</b>						
<b>4.507.2.</b> 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-2011 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D-2014 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent.	X					
<b>Outdoor Air Quality</b> Reserved						
<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.509.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions.  Item 1 Item 2 Item 3						
<b>Installer and Special Inspector Qualifications</b>						
<b>Qualifications</b>						
<b>702.1</b> HVAC system installers are trained and certified in the proper installation of HVAC systems.	X					
<b>702.2</b> Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.	X					
<b>Verifications</b>						
<b>703.1</b> Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	X					

1. Green building measures listed in this table may be mandatory if adopted by a city, county, or city and county as specified in CALGreen Section 101.7.
2. Required prerequisite for this Tier.
3. These measures are currently required elsewhere in statute or in regulation.