



DIVISION A5.7
NON-RESIDENTIAL MANDATORY MEASURES

(Modified Table of Division 15.7 Non-Residential Voluntary Measures)

CALIFORNIA GREEN BUILDING STANDARDS VERIFICATION SUMMARY

Qualified Green Building Professional Signature: _____

Rater Certification No.: _____

Phone No.: _____

PROJECT ADDRESS: _____

FEATURE OR MEASURE	MANDATORY	QUALIFIED GREEN BUILDING PROFESSIONAL SHALL INITIAL EACH REQUIRED MEASURE IN THE FIELD AS IT APPLIES BELOW
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Requirements

Project meets all of the requirements of Division 5.1 through 5.5	X	
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Site Development

5.106.1 Storm water pollution prevention plan. For projects of one acre or less, develop a Storm Water Pollution Prevention Plan (SWPPP) that has been designed, specific to its site, conforming to the State Storm water NPDES Construction Permit or local ordinance, whichever is stricter, as is required for projects over one acre. The plan should cover prevention of soil loss by storm water run-off and/or wind erosion, of sedimentation and/or of dust/particulate matter air pollution.	X	
5.106.4 Bicycle parking and changing rooms. Comply with Sections 5.106.4.1 and 5.106.4.2; or meet local ordinance, whichever is stricter.	X	
5.106.4.1 Short-Term bicycle parking. If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack.	X	

<p>5.303.4 Wastewater reduction. Each building shall reduce the generation of wastewater by one of the following methods:</p> <ol style="list-style-type: none"> 1. The installation of water-conserving fixtures or 2. Utilizing nonpotable water systems. 	<p>As applicable</p> <p style="text-align: center;">X X</p>	
<p>5.303.6 Plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the requirements listed for each type in Items listed in Table 5.303.6.</p> <ol style="list-style-type: none"> 1. Water closets (toilets) – flushometer type 2. Water closets (toilets) – tank type 3. Urinals 4. Public lavatory faucets 5. Public metering self-closing faucets 6. Residential bathroom lavatory sink faucets 7. Residential kitchen faucets 8. Residential shower heads 9. Single shower fixtures served by more than one Sowerhead. 	<p>As applicable</p> <p style="text-align: center;">X X X X X X X X X</p>	

Outdoor Water Use

<p>5.304.1 Water budget. A water budget shall be developed for landscape irrigation use.¹</p>	<p style="text-align: center;">X</p>	
<p>5.304.2 Outdoor potable water use. For new water service, separate meters or submeters shall be installed for indoor and outdoor potable water use for landscaped areas between 1,000 square feet and 5000 square feet.</p>	<p style="text-align: center;">X</p>	
<p>5.304.3 Irrigation design. In new nonresidential project with between 1,000 and 2,500 square feet of landscaped area (the level at which the MLO applies), install irrigation controllers and sensors which include the following criteria and meet manufacturer's recommendations.</p> <p>5.304.3.1 Irrigation controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:</p> <ol style="list-style-type: none"> 1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change. 2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input. 	<p style="text-align: center;">X</p> <p style="text-align: center;">As Applicable</p> <p style="text-align: center;">X</p>	

Weather Resistance and Moisture Management

<p>5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by {California Building Code} Section 1403.2 and {California Energy Code} Section 150, manufacturer's installation instructions or local ordinance, whichever is more stringent.¹</p>	<p style="text-align: center;">X</p>	
<p>5.407.2 Moisture control. Employ moisture control measures by the following methods:</p> <p>5.407.2.1 Sprinklers. Prevent irrigation spray on structures.</p> <p>5.407.2.2 Entries and openings. Design exterior entries and openings to prevent water intrusion into buildings.</p>	<p style="text-align: center;">X</p> <p style="text-align: center;">X</p>	

<p>interface in accordance with the approved plans and specifications.</p> <p>5.410.2.5 Documentation and training. A Systems manual and systems operations training are required.</p> <p>5.410.2.5.1 Systems manual. The systems manual shall be delivered to the building owner or representative and facilities operator and shall include the items listed in Section 5.410.2.5.1.</p> <p>5.410.2.5.2 Systems operations training. The training of the appropriate maintenance staff for each equipment type and/or system shall include items listed in Section 5.410.2.5.2.</p> <p>5.410.2.6 Commissioning report. A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for postconstruction phases of the building project shall be completed and provided to the owner or representative.</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p>	
<p>5.410.4 Testing and adjusting. Testing and adjusting of systems shall be required for buildings less than 10,000 square feet.</p> <p>5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting system. Systems to be included for testing and adjusting shall include, as applicable to the project, the systems listed in Section 5.410.3.2.</p> <p>5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with industry best practices and applicable national standards on each system.</p> <p>5.410.4.3.1 HVAC balancing. Before a new space-conditioning system serving a building or space is operated for normal use, the system should be balanced in accordance with the procedures defined by national standards listed in Section 5.410.3.3.1.</p> <p>5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.</p> <p>5.410.4.5 Operation and maintenance manual. Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection.</p> <p>5.410.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	

Environmental Quality

Fireplaces

<p>5.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace or a sealed woodstove and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150.</p> <p>5.503.1.1 Woodstoves. Woodstoves shall comply with US EPA Phase II emission limits.</p>	<p>X</p> <p>As applicable</p> <p>X</p>	
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Pollutant Control

<p>5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation or during storage on the construction site and until final startup of the heating and cooling equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust or debris which may collect in the system.</p>	<p>X</p>	
<p>5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.</p> <p>5.504.4.1 Adhesives, sealants, caulks. Adhesives and sealants used on the project shall meet the requirements of the following standards.</p> <p>1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2</p> <p>2. Aerosol adhesives and smaller unit sizes of adhesives and sealant or caulking</p>	<p>X</p> <p>X</p> <p>X</p>	

<p>compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.</p> <p>5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply.</p> <p>5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the Product-Weighted MIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances (CCR, Title 17, Section 94520 et seq).</p> <p>5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency.</p> <p>5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet the testing and product requirements of the standards listed in Section 5.504.4.4</p> <p>5.504.4.4.1 Carpet Cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.</p> <p>5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 804.4.1.</p> <p>5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall be the requirements for formaldehyde as specified in Table 5.504.4.</p> <p>5.504.4.5.2 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following.</p> <ol style="list-style-type: none"> 1. Product certifications and specifications 2. Chain of custody certifications 3. Other methods acceptable to the enforcing agency 	<p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>As applicable</p> <p>X</p> <p>X</p> <p>X</p>	
<p>5.504.4.6 Resilient flooring systems. Comply with the VOC-emission limits defined in the 2009 CHPS criteria and listed on its Low-emitting Materials List (or Product Registry) or certified under the FloorScore program of the Resilient Floor Covering Institute.</p> <p>A5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.</p>	<p>X</p> <p>X</p>	
<p>5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a MERV of 8.</p>	<p>X</p>	

Interior Moisture and Radon Control

<p>5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of <i>California Building Code</i>, CCR, Title 24, Part 2, Sections 1203 and Chapter 14.1.¹</p>	<p>X</p>	
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Air Quality and Exhaust

<p>5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 121 of the <i>California Energy Code</i>, CCR, Title 24, Part 6 and Chapter 4 of CCR, Title 8 or the applicable local code, whichever is more stringent.¹</p>	<p>X</p>	
<p>5.506.2 Carbon dioxide (CO₂) monitoring. For buildings equipped with demand control ventilation, CO₂ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the latest edition of the <i>California Energy Code</i>, CCR, Title 24, Part 6, Section 121(c).¹</p>	<p>X</p>	

Outdoor Air Quality

<p>5.508.1 Ozone depletion and global warming reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2</p> <p>5.508.1.1 CFCs. Install HVAC and refrigeration equipment that does not contain CFCs.¹</p> <p>5.508.1.2 Halons. Install fire suppression equipment that does not contain Halons.¹</p>	<p>As applicable</p> <p>X</p> <p>X</p>	
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1. These measures are currently required elsewhere in statute or in regulation.