



NONRESIDENTIAL

2010 CALGreen+Tier 1 Checklist

Effective for Building Permit Applications Received after March 1, 2012

(Applies to newly constructed nonresidential buildings without sleeping accommodations. Additions, alterations, repairs and existing structures are not subject to the requirements of CALGreen.)

APPENDIX A5 – A5.7

(Revised per City of Santa Rosa Requirements - Based on CALGreen + Tier 1)

Project Address: _____

Project Name: _____

Project Description: _____

Instructions:

1. The Owner or the Owner's agent shall employ a qualified Green Building Special Inspector, listed by the City of Santa Rosa Building Division, to perform Green Building Special Inspector services and to verify and assure the Owner and the Building Division that all required work described herein is properly planned and implemented in the project.
2. The Green Building Special Inspector shall not be the design professional or contractor for the project and shall not have a financial interest in the project for which services are being provided except for the cost of providing said services.
3. The Green Building Special Inspector, in collaboration with the owner and the design professional shall initially complete **Columns 1 and 2** of this checklist, sign and date the **CALGreen Building Acknowledgements** section at the end of this checklist and have the checklist printed on or attached to the approved plans for the project.
4. Unless verification is by City is noted, prior to final inspection by the Building Division, CALGreen Building Special Inspector shall complete **Column 3** and shall provide verification of completion prior to final inspection by City staff.

Feature or Measure	Project Requirements		Verification
<u>Column 1</u>	<u>Column 2</u> <i>When checked, these items become a part of the approved plans and must be installed or incorporated into the project.</i>		<u>Column 3</u> <i>Complete after implementation and prior to final inspection approval</i>
<i>See Chapter 5 and Appendix A5 of the 2010 California Green Building Code and Santa Rosa City Code Chapter 18 for complete descriptions of features or measures listed here.</i>	Mandatory & Tier 1 Prerequisites	Tier 1 electives <i>Applicant selects required elective measures</i>	Verification by a 3rd party CALGreen Special Inspector or by City staff as noted
A5.1 PLANNING AND DESIGN	<i>All checked items are required for the project</i>	<i>Select at least one (1) elective measure from A5.1</i>	<i>Select all measures verified in the completed project</i>
SITE SELECTION			
A5.103.1 Community connectivity. Locate project on a previously developed site within a 1/2 mile radius of at least ten basic services, listed in Section A5.103.1. : (Support documentation required at application submittal)		<input type="checkbox"/>	Special Inspector <input type="checkbox"/>
A5.103.2 Brownfield or greyfield site redevelopment or infill area development. Select for development a brownfield in accordance with Section		<input type="checkbox"/>	City Plan Check staff <input type="checkbox"/>

Feature or Measure	Project Requirements		Verification
<p>A5.103.2.1 or on a greyfield or infill site as defined in Section A5.102.</p> <p>A5.103.3.1 Brownfield redevelopment. Develop a site documented as contaminated and fully remediated or on a site defined as a brownfield.</p>		<input type="checkbox"/>	<input type="checkbox"/>
SITE PRESERVATION			
<p>A5.104.1.1 Local zoning requirement in place. Exceed the zoning's open space requirement for vegetated open space on the site by 25 percent.</p> <p>A5.104.1.2 No local zoning requirement in place. Provide vegetated open space area adjacent to the building equal to the building footprint area.</p> <p>A5.104.1.3 No open space required in zoning ordinance. Provide vegetated open space equal to 20 percent of the total project site area.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES			
<p>A5.105.1.1 Existing building structure. Maintain at least 75percent of existing building structure (including structural floor and roof decking) and envelope (exterior skin and framing) based on surface area. : (Support documentation required at application submittal)</p> <p>Exceptions:</p> <ol style="list-style-type: none"> 1. Window assemblies and non-structural roofing material. 2. Hazardous materials that are remediated as a part of the project. 3. A project with an addition of more than 2 times the square footage of the existing building. <p>A5.105.1.2 Existing non-structural elements. Reuse existing interior non-structural elements (interior walls, doors, floor coverings and ceiling systems) in at least 50 percent of the area of the completed building (including additions).</p> <p>Exception: A project with an addition of more than 2 times the square footage of the existing building.</p> <p>A5.105.1.3 Salvage. Salvage additional items in good condition such as light fixtures, plumbing fixtures, and doors for reuse on this project in an onsite storage area or for salvage in dedicated collection bins. Document the weight or number of the items salvaged.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SITE DEVELOPMENT			
<p>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.</p>	<input checked="" type="checkbox"/>		<p>City Plan Check staff</p> <input type="checkbox"/>
<p><i>Description of proposed measures:</i></p>		<p><i>Sheet: Detail:</i></p>	
<p>A5.106.2 Storm water design. Design storm water runoff rate and quantity in conformance with Section A5.106.3.1 and storm water runoff quality by Section A5.106.3.2, or by local requirements, whichever are stricter.</p> <p>A5.106.2.1 Storm water runoff rate and quantity. Implement a storm water management plan resulting in no net increase in rate and quantity of storm water runoff from existing to developed conditions.</p> <p>Exception: If the site is already greater than 50 percent impervious, implement a storm water management plan resulting in a 25 percent</p>		<input type="checkbox"/> <input type="checkbox"/>	<p>City Plan Check staff</p> <input type="checkbox"/> <input type="checkbox"/> City Plan Check staff

Feature or Measure	Project Requirements		Verification
<i>Description of proposed measures:</i>	<i>Sheet: Detail:</i>		
A5.106.5.3.1 Electric vehicle supply wiring. For each space required in Table A406.1.6.2.1, provide one 120 VAC 20 amp and one 208/240 V 40 amp, grounded AC outlets or panel capacity and conduit installed for future outlets.		<input type="checkbox"/>	Special Inspector <input type="checkbox"/>
A5.106.6 Parking capacity. Design parking capacity to meet but not exceed minimum local zoning requirements. : (Support documentation required at application submittal) A5.106.6.1 Reduce parking capacity. With the approval of the enforcement authority, employ strategies to reduce on site parking area by <ol style="list-style-type: none"> 1. Use of on street parking or compact spaces, illustrated on the site plan, or 2. Implementation and documentation of programs that encourage occupants to carpool, ride share, or use alternate transportation. 		<input type="checkbox"/> <input type="checkbox"/>	Special Inspector <input type="checkbox"/> <input type="checkbox"/>
5.106.7 Exterior walls. Meet requirements in the current edition of the California Energy Code and select one of the following for wall surfaces: <ol style="list-style-type: none"> 1. Provide vegetative or man-made shading devices for east-, south-, and west-facing walls with windows. 2. Use wall surfacing with SRI 25 (aged), for 75 percent of opaque wall areas. 		<input type="checkbox"/> <input type="checkbox"/>	Special Inspector <input type="checkbox"/> <input type="checkbox"/>
5.106.8 Light pollution reduction. Outdoor lighting systems shall be designed and installed to comply with the following: <ol style="list-style-type: none"> 1. The minimum requirements of the 2010 California Energy Code for Lighting Zone 2 as defined in Chapter 10 of the California Administrative Code; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-106-07; and 3. Allowable BUG ratings not exceeding those shown in Table A5106.8 Exceptions: <ol style="list-style-type: none"> 1. Luminaires that qualify as exceptions in the California Energy Code 2. Emergency lighting Note: See CBC, Section 1205.6, for college campus lighting requirements for parking facilities and walkways.		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Special Inspector <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<i>Description of proposed measures:</i>	<i>Sheet: Detail:</i>		
A5.106.9 Building orientation. Locate and orient the building as follows: <ol style="list-style-type: none"> 1. Long sides facing north and south. 2. Protect the building from thermal loss, drafts, and degradation of the building envelope caused by wind and wind-driven materials. 		<input type="checkbox"/> <input type="checkbox"/>	Special Inspector <input type="checkbox"/> <input type="checkbox"/>
5.106.10 Grading and Paving. The site shall be planned and developed to keep surface water away from buildings. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows.	<input checked="" type="checkbox"/>		Special Inspector <input type="checkbox"/>
<i>Description of proposed measures:</i>	<i>Sheet: Detail:</i>		
A5.106.11 Heat island effect. Reduce non-roof heat islands, and roof heat islands as follows:			Special Inspector

Feature or Measure	Project Requirements		Verification
<p>A5.106.11.1 Hardscape alternatives. Use <u>one</u> or a combination of strategies 1 through 3 for 50 percent of site hardscape <u>or</u> put 50 percent of parking underground.</p> <ol style="list-style-type: none"> 1. Provide shade (mature within 5 years of occupancy). 2. Use light colored/ high-albedo materials. 3. Use open-grid pavement system. <p>A5.106.11.2 Cool Roof. Use roofing materials having a Solar Reflectance Index (SRI)³ equal to or greater than the values shown in Table A5.106.11.2.1 - Tier 1. : (Support documentation required at application submittal)</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<p>A5.2 ENERGY EFFICIENCY</p> <p><i>All checked items are required for the project</i> <i>No elective measures required from A5.2</i> <i>Select all measures verified in the completed project</i></p>			
<p>PERFORMANCE REQUIREMENTS</p>			
<p>A5.203.1 Energy performance. Use at least 15 percent less Time-Dependent Valuation (TDV) Energy than the 2008 Title 24 Building Energy Efficiency Standards “budget” building. No calculations are required to demonstrate any specified reduction in CO2 emissions. (Tier 1).</p>	<input checked="" type="checkbox"/>		<p>City Bldg Inspector <input type="checkbox"/> May require HERS</p>
<p>PRESCRIPTIVE MEASURES</p>			
<p>A5.204.1 ENERGY STAR equipment and appliances. All equipment and appliances provided by the builder shall be ENERGY STAR labeled if ENERGY STAR is applicable to that equipment or appliance.</p>		<input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/>
<p>A5.204.2 Energy monitoring. Provide sub-metering or equivalent combinations of sensor measurements and thermodynamic calculations, if appropriate, to record energy use data for each major energy system in the building. : (Support documentation required at application submittal)</p> <p>A5.201.2.1 Data Storage. The data management's system must be capable of electronically storing energy data and creating user reports showing hourly, daily, monthly and annual energy consumption for each major energy system.</p> <p>A5.204.2.2 Data Access. Hourly energy use data shall be accessible through a central data management system and must be available daily.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<p>A5.204.3 Demand response. HVAC systems with Direct Digital Control Systems and centralized lighting systems shall include pre-programmed demand response strategies that are automated with either a Demand Response Automation Internet Software Client or dry contact relays. : (Support documentation required at application submittal)</p> <p>A5.204.3.1 HVAC. The pre-programmed demand response strategies should be capable of reducing the peak HVAC demand by cooling temperature set point adjustment.</p> <p>A5.204.3.2 Lighting. The pre-programmed demand response strategies should be capable of reducing the total lighting load by a minimum 30 percent through dimming control or bi-level switching.</p> <p>A5.204.3.3 Software clients. The software clients will be capable of communicating with a DR Automation Server.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<p>RENEWABLE ENERGY</p>			
<p>A5.211.1 On-site renewable energy. Use on-site renewable energy for at least 1 percent of the electrical service overcurrent protection device rating calculated in accordance with the 2010 California Electrical Code, or 1KW, whichever is greater, in addition to the electrical demand required to meet 1 percent of natural</p>		<input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/>

Feature or Measure	Project Requirements		Verification	
<p>gas and propane use calculated in accordance with the 2010 California Plumbing Code. : (Support documentation required at application submittal)</p> <p>A5.211.1.1 Documentation. Calculate renewable on-site system to meet the requirements of Section A5.211.1. Factor in net-metering, if offered by local utility, on an annual basis.</p> <p>A5.211.3 Green Power. Participate in the local utility's renewable energy portfolio program that provides a minimum of 50 percent electrical power from renewable sources. Maintain documentation through utility billings.</p> <p>A5.211.4 Pre-wiring for future solar. Install conduit from the building roof or eave to a location within the building identified as suitable for future installation of a charge controller (regulator) and inverter.</p> <p>A5.211.4.1 Off grid pre-wiring for future solar. If battery storage is anticipated, conduit should run to a location within the building that is stable, weather-proof, insulated against very hot and very cold weather, and isolated from occupied spaces.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
ELEVATORS, ESCALATORS, AND OTHER EQUIPMENT				
<p>A5.212.1 Elevators and escalators. In buildings with more than one elevator or two escalators, provide controls to reduce the energy demand of elevators and reduce the speed of escalators. Document the controls in the project specifications and commissioning plan. : (Support documentation required at application submittal)</p>		<input type="checkbox"/>	Special Inspector <input type="checkbox"/>	
ENERGY EFFICIENT STEEL FRAMING				
<p>A5.213.1 Steel framing. Design for and employ techniques to avoid thermal bridging.</p>		<input type="checkbox"/>	Special Inspector <input type="checkbox"/>	
<p><i>Description of proposed measures:</i></p>	<p style="text-align: right;"><i>Sheet: Detail:</i></p>			
<p>A5.3 WATER EFFICIENCY AND CONSERVATION</p>		<p><i>All checked items are required for the project</i></p>	<p><i>Select at least one (1) elective measure from A5.3</i></p>	<p><i>Select all measures verified in the completed project</i></p>
INDOOR WATER USE				
<p>5.303.1 Meters. Separate meters shall be installed for the uses described in Sections 503.1.1 and 503.1.2.</p> <p>5.303.1.1 For buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:</p> <ol style="list-style-type: none"> 1. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day. 2. For spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop projected to consume more than 100 gal/day <p>5.303.1.2 Excess consumption. Any building within a project or space within a building that is projected to consume more than 1,000 gal/day.</p>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		Special Inspector <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<p><i>Description of proposed measures:</i></p>	<p style="text-align: right;"><i>Sheet: Detail:</i></p>			
<p>5.303.2.1 Multiple showerheads serving one shower. When single shower fixtures are served by more than one showerhead, the combined flow rate of all of the showerheads shall not exceed the maximum flow rates specified in the 20 percent reduction column contained in table 5.303.2.3 or the shower shall be</p>	<input checked="" type="checkbox"/>		Special Inspector <input type="checkbox"/>	

Feature or Measure	Project Requirements		Verification
OUTDOOR WATER USE See City of Santa Rosa Water Efficient Landscape Ordinance Requirements (Note: City WELO Complies with Tier I & Mandatory Requirements)			All verification by City Water Efficient Landscape Ordinance Staff
5.304.1 Water budget. A water budget shall be developed for landscape irrigation use in accordance with Chapter 14.30 of the Santa Rosa City Code – Water Efficient Landscape.	☒		☐
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. ¹	☒		☐
5.304.3 Irrigation design. In new nonresidential projects with between 1000 and 2500 square feet of landscaped area, install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations. 5.304.3.1 Irrigation controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following: 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.	☒ or ☒		☐ or ☐
A5.304.4.1 Potable water reduction. Provide water efficient landscape irrigation design that reduces by the use of potable water to a quantity that does not exceed 60 percent of ETo times the landscape area. (Tier 1) Methods used to accomplish the requirements of this section shall include, but not be limited to, the items listed in A5.304.4. A5.304.4.3 Verification of compliance. A calculation demonstrating the applicable potable water use reduction required by this section shall be provided.	☒ ☒		☐ ☐
A5.304.5 Potable water elimination. Provide a water efficient landscape irrigation design that eliminates the use of potable water beyond the initial requirements for plant installation and establishment. Methods used to accomplish the requirements of this section shall include, but not be limited to, the items listed in A5.304.4.		☐	☐
A5.304.6 Restoration of areas disturbed by construction. Restore all areas disturbed during construction by planting with local native and/or non-invasive vegetation.		☐	☐
A5.104.7 Previously developed sites. On previously developed or graded sites, restore or protect at least 50percent of the site area with native and/or non-invasive vegetation.		☐	☐
A5.304.8 Graywater irrigation system. Install graywater collection system for onsite subsurface irrigation using graywater.		☐	☐

Feature or Measure	Project Requirements	Verification
A5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	<i>All checked items are required for the project</i>	<i>Select at least one (1) elective measure from A5.4</i> <i>Select all measures verified in the completed project</i>
EFFICIENT FRAMING SYSTEMS		
A5.404.1 Wood framing. Employ advanced wood framing techniques, or OVE, as permitted by the enforcing agency.	<input type="checkbox"/>	<i>Special Inspector</i> <input type="checkbox"/>
MATERIAL SOURCES		
A5.405.1 Regional materials. Select building materials or products for permanent installation on the project that have been harvested or manufactured in California or within 500 miles of the project site, meeting the criteria listed in A5.405.1.	<input type="checkbox"/>	<i>Special Inspector</i> <input type="checkbox"/>
A5.405.2 Bio-based materials. Select bio-based building materials per Section A5.405.2.1 or A5.405.2.2. A5.405.2.1 Use certified wood products. Certified wood is an important component of green building strategies and the California Building Standards Commission will continue to develop a standard through the next code cycle. A5.405.2.2 Rapidly renewable materials. Use materials made from plants harvested within a ten-year cycle for at least 2.5 percent of total materials value, based on estimated cost.	<input type="checkbox"/> <input type="checkbox"/>	<i>Special Inspector</i> <input type="checkbox"/> <input type="checkbox"/>
A5.405.3 Reused materials. Use salvaged, refurbished, refinished, or reused materials for at least 5percent of the total value, based on estimated cost of materials on the project.	<input type="checkbox"/>	<i>Special Inspector</i> <input type="checkbox"/>
A5.405.4 Recycled content. Use materials, equivalent in performance to virgin materials, with postconsumer or preconsumer recycled content value (RCV) for a minimum of 10% of the total value, based on estimated cost of materials on the project. Provide documentation as the respective values.	<input checked="" type="checkbox"/>	<i>Special Inspector</i> <input type="checkbox"/>
A5.405.5 Cement and concrete. Use cement and concrete made with recycled products and complying with the following sections: A5.405.5.1 Cement. Meet the following standards for cement: 1. Portland Cement shall meet ASTM C 150. 2. Blended Cement shall meet ASTM C 595. A5.405.5.2 Concrete. Unless otherwise directed by the engineer, use concrete manufactured with cementitious materials in accordance with Sections A5.405.5.2.1 and A5.405.5.2.2, as approved by the enforcing agency. A5.405.5.2.1 Supplementary cementitious materials (SCMs). Use concrete made with one or more of the SCMs listed in Section A5.405.5.2.1 A5.405.5.2.1.1 Mix design equation. Use any combination of one or more SCMs, satisfying Equation A4.5-1. Exception: Minimums for concrete products requiring high early strength may be lower as directed by the engineer.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<i>Special Inspector</i> <input type="checkbox"/> <i>Special Inspector</i> <input type="checkbox"/> <input type="checkbox"/>
A5.405.5.3 Additional means of compliance. Any of the following measures may be employed for the production of cement or concrete, depending on their availability and suitability, in conjunction with A5.405.5.2. A5.405.5.3.1 Cement. The following measures may be used in the		<i>Special Inspector</i>

Feature or Measure	Project Requirements		Verification
<p>manufacture of cement.</p> <p>A5.405.5.3.1.1 Alternative fuels. Where permitted by state or local air quality standards, use alternative fuels.</p> <p>A5.405.5.3.1.2 Alternative power. Use alternate electric power generated at the cement plant and/or green power purchased from the utility meeting the requirements of A5.211.</p> <p>A5.405.5.3.1.3 Alternative ingredients. Use inorganic processing additions and limestone meeting ASTM C 150.</p> <p>A5.405.5.3.2 Concrete. The following measures may be used in the manufacture of concrete,</p> <p>A5.405.5.3.2.1 Alternative energy. Use renewable or alternative energy meeting the requirements of Section A5.211.</p> <p>A5.405.5.3.2.2 Recycled aggregates. Use concrete made with one or more of the materials listed in Section A5.405.5.3.2.2.</p> <p>A5.405.5.3.2.3 Mixing water. Use water meeting ASTM C1602, either recycled water provided by the local water purveyor or water reclaimed from manufacturing processes.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ENHANCED DURABILITY AND REDUCED MAINTENANCE			
<p>A5.406.1.1 Service life. Select materials for longevity and minimal deterioration under conditions of use.</p> <p>A5.406.1.2 Reduced maintenance. Select materials that require little, if any, finishing.</p> <p>A5.406.1.3 Recyclability. Select materials that can be re-used or recycled at the end of their service life.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p><i>Special Inspector</i></p> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
WEATHER RESISTANCE AND MOISTURE MANAGEMENT			
<p>5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by 2010 California Building Code Section 1403.2 and 2010 California Energy Code Section 150, manufacturer's installation instructions, or local ordinance, whichever is more stringent.</p>	<input checked="" type="checkbox"/>		<p>City Bldg Inspector</p> <input type="checkbox"/>
<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>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		<p><i>Special Inspector</i></p> <input type="checkbox"/> <input type="checkbox"/>
CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING			
<p>5.408.1 Construction waste diversion. Establish a construction waste management plan or meet local ordinance, whichever is more stringent.</p>	<input checked="" type="checkbox"/>		<p>City Plan Check Staff</p> <input type="checkbox"/>
<p>5.408.2 Construction waste management plan. Submit plan per this section to enforcement authority. (Support documentation required at application submittal) Note: May be deferred submittal prior to permit issuance.</p> <p>5.408.2.1 Documentation. Provide documentation of the waste management plan that meets the requirements listed in section 5.408.2 items 1 thru 4, and the plan is accessible to the enforcement authority.</p>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		<p>City Plan Check Staff</p> <input type="checkbox"/> <input type="checkbox"/>
<p>A5.408.31 Enhanced Construction waste. Recycle and/or salvage for reuse a</p>			<p><i>Special Inspector</i></p>

Feature or Measure	Project Requirements		Verification
<p>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 meet the requirements for formaldehyde as specified in Table 5.504.4.</p> <p>A5.504.4.5.1 Early compliance with formaldehyde limits. Where complying composite wood product is readily available for non-residential occupancies, meet Phase 2 requirements before the compliance dates indicated in Table 5.504.4.5 (Tier I), or use composite wood products made with either CARB-approved no-added formaldehyde (NAF) resins or CARB-approved ultra-low emitting formaldehyde (ULEF) resins (Tier II).</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 style="text-align: center;">☒</p> <p style="text-align: center;">As applicable</p> <p style="text-align: center;">☒</p> <p style="text-align: center;">☒</p> <p style="text-align: center;">☒</p>	☐	☐
<p>A5.504.4.7 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, install resilient flooring complying with the VOC-emission limits defined in the 2009 CHPS criteria and listed on its Low-emitting Materials List, or certified under the FloorScore program of the Resilient Floor Covering Institute. (Tier 1) (Supersedes Section 5.504.6)</p> <p>A5.504.4.7.2 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.</p>	☒		☐
<p>A5.504.4.8 Thermal Insulation. Comply with Chapter 12-13 in Title 24, Part 12 and with the VOC-emission limits defined in 2009 CHPS criteria and listed on its Low-emitting Materials List. (Tier 1)</p> <p>A5.504.4.8.2 Verification of compliance. Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.</p>	☒		☐
<p>A5.504.4.9 Acoustical ceilings and wall panels. Comply with Chapter 8 in Title 24, Part 2 and with the VOC-emission limits defined in the 2009 CHPS criteria and listed on its Low-emitting Materials List. (Tier 1)</p> <p>A5.504.4.9.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.</p>		☐	☐
<p>A5.504.5 Hazardous particulates and chemical pollutants. Minimize and control pollutant entry into buildings and cross-contamination of regularly occupied areas.</p> <p>A5.504.5.1 Entryway systems. Install permanent entryway systems measuring at least six feet in the primary direction of travel to capture dirt and particulates at entryways directly connected to the outdoors as listed in Items 1 through 3 in A5.504.5.1.</p> <p>A5.504.5.2 Isolation of pollutant sources. In rooms where activities produce hazardous fumes or chemicals, exhaust them and isolate them from their adjacent rooms as listed in Items 1 through 3 in A5.504.5.2.</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>A5.504.5.3.1 Filters. In mechanically ventilated buildings, provide regularly</p>	☒	☐	☐

INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS

*All checked
items are
required for
the project*

*Select all measures
verified in the
completed project*

Qualifications			
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	<input checked="" type="checkbox"/>		Special Inspector <input type="checkbox"/>
702.2 The green building special inspector for this project <u>is listed by the City of Santa Rosa</u> as an approved green building special inspector and is qualified and able to demonstrate competence in the discipline they inspect and verify.	<input checked="" type="checkbox"/>		City Plan Check Staff <input type="checkbox"/>

Green Building Acknowledgments

Project Address: _____

Project Description: _____

Section 1 - Design Verification

Complete all lines of Section 1- "Design Verification" and submit the completed checklist (Columns 1 and 2) with the plans and building permit application to the Building Division.

The owner, design professional and green building special inspector have reviewed the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2010 California Green Building Standards Code as amended by Chapter 18 of the Santa Rosa City Code.

Owner's Signature

Date

Owner Name (Please Print)

Design Professional's Signature

Date

Design Professional's Name (Please Print)

Signature of Listed Green Building Special Inspector

Date

Listed Green Building Special Inspector's Name (Please Print)

Phone

Green Building Special Inspector's E-mail Address

Section 2 - Implementation Verification

Complete, sign and submit the completed checklist, including Column 3, together with all original signatures on Section 2 – "Implementation Verification" to the Building Division prior to Building Division final inspection.

I have inspected the work have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements set forth in the 2010 California Green Building Standards Code as amended by Chapter 18 of the Santa Rosa Code.

Listed City of Santa Rosa Approved CALGreen Special Inspector Signature

Date

Green Building Special Inspector's Name (Please Print)

Phone (if different than above)

Green Building Special Inspector's E-mail Address (if different than above)