

2022 CALGreen CHECKLIST - RESIDENTIAL - NEW

(MANDATORY MEASURES + TIER 1)



City of
SANTA ROSA
Planning & Economic
Development - Building Division
PAGE 1 of 22
EFFECTIVE: 01 JANUARY 2023

FREE ACCESS TO CALIFORNIA CODES: <https://www.dgs.ca.gov/BSC/Codes#@ViewBag.JumpTo>

Applies to building permit applications received on or after January 1, 2023, for newly constructed hotels, motels, lodging houses, dwellings, dormitories, condominiums, shelters, congregate residences, employee housing, factory-built housing, and other types of dwellings containing sleeping accommodations with or without common toilet or cooking facilities including accessory buildings, facilities and uses thereto. Detached "U" occupancy buildings are not subject to the requirements of CALGreen. For residential additions or alterations that increase conditioned space, see separate checklist. Repairs to existing structures are not subject to CALGreen at this time.

PROJECT ADDRESS: _____

PROJECT NAME: _____

PROJECT DESCRIPTION: _____

BUILDING PERMIT NUMBER: _____

INSTRUCTIONS:

The Owner (or the Owner's agent) shall employ a *qualified CALGreen Inspector, listed by the City of Santa Rosa Building Division, to complete this checklist via the following steps:

1. The CALGreen Inspector, in collaboration with the owner and the design professional, shall complete Column 2 of this checklist. Either "required" or "not required" is to be selected for each feature/measure. If "required" is selected, a description and reference to the plan sheet where the item is specified should be provided. If "not required" is selected, a description of why the feature/measure does not apply shall be provided. **Sections not separated by horizontal lines are all related to the relative checkboxes in that non-separated box.** See CALGreen Chapter 4 and Appendix A4 for complete descriptions of features and measures listed below. A specific number of Tier 1 electives is required for each general Tier 1 Elective Section. See CALGreen Section A4.601 for Tier 1 scoping.
2. When Column 2 is complete, the Owner, Design Professional, and CALGreen Inspector are to be identified on, sign, and date the CALGreen Building Acknowledgements Section 1 (Design Verification) at the end of this checklist. The completed checklist is then to be submitted to the City of Santa Rosa Building Division as part of the building permit application.
3. Building Division plan review staff will provide a fourth review of the plans and Column 2 (first three by Owner, Design Professional, and CALGreen Inspector as stated above). When approvable, the approved checklist will be included as part of the approved job set that is to be kept on the construction site throughout construction.
4. The CALGreen Inspector is to inspect all applicable features/measures listed in Column 2, and mark the verification boxes in Column 3 as each feature/measure is completed.
5. Prior to final inspection by the Building Division, the CALGreen Inspector shall verify that all applicable features/measures have been installed, and sign and date the CALGreen Building Acknowledgements Section 2 (Implementation Verification) found at the end of this checklist.

***NOTE:** The CALGreen 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.) If you are a qualified CALGreen Inspector, but have not been added to the approved City list, please contact the Building Division via email at building@srcity.org

COLUMN 1: FEATURE OR MEASURE	COLUMN 2: PROJECT DESIGN REQUIREMENTS		COLUMN 3: FIELD VERIFICATION
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CALGreen DIVISIONS 4.1 & A4.1: PLANNING AND DESIGN	ALL ITEMS ARE REQUIRED UNLESS OTHERWISE JUSTIFIED	SELECT AT LEAST TWO ELECTIVE MEASURES FROM A4.1	SELECT ALL MEASURES VERIFIED IN THE COMPLETED PROJECT
Site Selection			
<p>A4.103.1 Select a site which complies with at least one of the following characteristics (support documentation required at application submittal):</p> <ol style="list-style-type: none"> 1. An infill site. 2. A greyfield site. 3. An EPA-recognized and remediated brownfield site. 		<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i></p>			
<p>A4.103.2 Facilitate community connectivity by one of the following methods:</p> <ol style="list-style-type: none"> 1. Locate the project within a 1/4-mile true walking distance of at least four basic services. 2. Locate the project within 1/2-mile true walking distance of at least seven basic services. 3. Other methods increasing access to additional resources. 		<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i></p>			
Site Preservation			
<p>A4.104.1 Individuals with oversight authority on the project who have been trained in areas related to environmentally friendly development can teach green concepts to other members of the development staff and ensure that training is provided to all parties associated with the project.</p> <p>Prior to beginning the construction activities, all parties involved with the development process shall receive a written guideline and instruction specifying the green goals of the project.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i></p>			
Deconstruction and Reuse of Existing Materials			
<p>A4.105.1 and A4.105.2 Existing buildings on the site are deconstructed, and the salvaged materials (which must comply with current building standards) are reused. Materials which can be easily reused include, but are not limited to, the following (verify at least one):</p> <ol style="list-style-type: none"> 1. Light fixtures 2. Plumbing fixtures 3. Doors and trim 4. Masonry 5. Electrical devices 6. Appliances 7. Foundations or portions of foundations 		<input type="checkbox"/>	<input type="checkbox"/>
<p><i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i></p>			

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Site Development			
4.106.2 Storm water drainage and retention during construction. Newly constructed projects which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities by complying with lawfully enacted storm water management and/or erosion control ordinances. See Santa Rosa City Code Chapter 17-12.	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.106.2 The soils at the building site are analyzed and protected as specified in this section. A4.106.2.1 Soil analysis. Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building. Support documentation is required at application submittal. A4.106.2.2 Soil protection. The effect of development on the building sites is evaluated and the soil is protected by one or more of the following: <ol style="list-style-type: none"> 1. Natural drainage evaluation and erosion controls implemented to minimize erosion. 2. Site access is accomplished by minimizing the amount of cut and fill to install access roads/driveways. 3. Underground construction activities are coordinated to utilize the same trench, minimize disturbed soil, and soil is replaced using accepted compaction methods. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.106.2.3 Displaced topsoil is stockpiled for reuse in designated area and covered or protected from erosion. (Tier 1 Prerequisite)	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.106.3 Landscape design. Post construction landscape designs accomplish one or more of the following: <ol style="list-style-type: none"> 1. Areas disrupted during construction are restored to be consistent with native vegetation 2. Utilize at least 75 percent native Californian or drought tolerant plant and tree species appropriate for the climate zone region. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

COLUMN 1: FEATURE OR MEASURE	COLUMN 2: PROJECT DESIGN REQUIREMENTS		COLUMN 3: FIELD VERIFICATION
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<p>4.106.4 New construction shall comply with Section 4.106.4.1 (One and two-family dwellings and town-houses with attached private garages) or 4.106.4.2 (multi-family dwellings, hotels, motels, and new residential parking facilities) to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the California Electrical Code, Article 625.</p> <p>Exceptions to Section 4.106.4:</p> <ol style="list-style-type: none"> 1. On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: <ol style="list-style-type: none"> 1.1 Where there is no local utility power supply or the local utility is unable to supply adequate power. 1.2 Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 4.106.4, may adversely impact the construction cost of the project. 2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking facilities. <p>4.106.4.1 New one- and two-family dwellings and town-houses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box, or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible, or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.</p> <p>Exception to 4.106.4.1: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the California Electrical Code.</p> <p>4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".</p> <p>4.106.4.2 New multifamily dwellings, hotels, motels, and new residential parking facilities. When parking is provided, parking spaces for new multifamily dwellings, hotels, and motels shall meet the requirements of Sections 4.106.4.2.1 and 4.106.4.2.2. Calculations for spaces shall be rounded up to the nearest whole number. A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by a local jurisdiction. See Vehicle Code Section 22511.2 for further details.</p> <p>4.106.4.2.1 Multifamily development projects with less than 20 dwelling units; and hotels and motels with less than 20 sleeping units or guest rooms. The number of dwelling units, sleeping units, or guest rooms shall be based on all buildings on a project site subject to this section.</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>

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<p>4.106.4.2.1(1) EV Capable. 10% of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.</p> <p>Exceptions to 4.106.4.2.1(1):</p> <ol style="list-style-type: none"> 1. When EV chargers (Level 2 EVSE) are installed in a number equal to or greater than the required number of EV capable spaces. 2. When EV chargers (Level 2 EVSE) are installed in a number less than the required number of EV capable spaces, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed. <p>Notes:</p> <ol style="list-style-type: none"> a. Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging. b. There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use. <p>4.106.4.2.1(2) EV Ready. 25% of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit.</p> <p>Exception to 4.106.4.2.1(2): Areas of parking facilities served by parking lifts.</p> <p>4.106.4.2.2 Multifamily development projects with 20 or more dwelling units, hotels, and motels with 20 or more sleeping units or guest rooms. The number of dwelling units, sleeping units, or guest rooms shall be based on all buildings on a project site subject to this section.</p> <p>4.106.4.2.2(1) EV Capable. 10% of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.</p> <p>Exception to 4.106.4.2.2(1): When EV chargers (Level 2 EVSE) are installed in a number greater than 5% of parking spaces required by Section 4.106.4.2.2(3), the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed over the 5% required.</p>			

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<p>Notes to 4.106.4.2.2(1):</p> <p>a. Construction documents shall show locations of future EV spaces.</p> <p>b. There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use.</p> <p>4.106.4.2.2(2) EV Ready. 25% of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit.</p> <p>Exception to 4.106.4.2.2(2): Areas of parking facilities served by parking lifts.</p> <p>4.106.4.2.2(3) EV Chargers. 5% of the total number of parking spaces shall be equipped with Level 2 EVSE. Where common use parking is provided, at least one EV charger shall be located in the common use parking area, and shall be available for use by all residents or guests. When low power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required, an automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EVSE shall have a capacity of not less than 30 amperes. ALMS shall not be used to reduce the minimum required electrical capacity to the required EV capable spaces.</p> <p>4.106.4.2.2.1 Electric vehicle charging stations (EVCS). Electric vehicle charging stations require by Section 4.106.4.2.2(3) shall comply with Section 4.106.4.2.2.1.</p> <p>Exception to 4.106.4.2.2.1: Electric vehicle charging stations serving public accommodations, public housing, motels, and hotels shall not be required to comply with this section. See California Building Code, Chapter 11B, for applicable requirements.</p> <p>4.106.4.2.2.1.1 Location. EVCS shall comply with at least one of the following options:</p> <ol style="list-style-type: none"> 1. The charging space shall be located adjacent to an accessible parking space meeting the requirements of the California Building Code, Chapter 11A, to allow use of the EV charger from the accessible parking space. 2. The charging space shall be located on an accessible route, as defined in the California Building Code, Chapter 2, to the building. <p>Exception: Electric vehicle charging stations designed and constructed in compliance with the California Building Code, Chapter 11B, are not required to comply with Section 4.106.4.2.2.1.1.</p> <p>4.106.4.2.2.1.2 Electric vehicle charging stations (EVCS) dimensions.</p> <ol style="list-style-type: none"> 1. The minimum length of each EV space shall be 18 feet. 2. The minimum width of each EV space shall be 9 feet. 3. One in every 25 charging spaces, but not less than one, shall also have an 8-foot wide minimum aisle. A 5-foot wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet. <ol style="list-style-type: none"> a. Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083% slope) in any direction. 			

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<p>Exception: Electric vehicle charging stations designed and constructed in compliance with the California Building Code, Chapter 11B, are not required to comply with Section 4.106.4.2.2.1.2, Item 3. (see 4.106.4.2.2.1.1 Exception)</p> <p>4.106.4.2.2.1.3 Accessible EV spaces. In addition to the requirements in Sections 4.106.4.2.2.1.1 and 4.106.4.2.2.1.2, all EVSE, when installed, shall comply with the accessibility provisions for EV chargers in the California Building Code, Chapter 11B, EV ready spaces and EVCS in multifamily developments shall comply with California Building Code, Chapter 11A, Section 1109A.</p> <p>4.106.4.2.3(1) Single EV space required. Install a listed raceway capable of accommodating a 208/240-volt dedicated branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box, or enclosure in close proximity to the location or the proposed location of the EV space. Construction documents shall identify the raceway termination point, receptacle, or charger location, as applicable. The service panel and/or subpanel shall have a 40-ampere minimum dedicated branch circuit, including branch circuit overcurrent protective devices installed, or space(s) reserved to permit installation of a branch circuit overcurrent protective device.</p> <p>Exception to 4.106.4.2.3(1): A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location (or the proposed location) of the EV space at the time of original construction in accordance with the California Electrical Code.</p> <p>4.106.4.2.3(2) Multiple EV spaces required. Construction documents shall indicate the raceway termination point and the location of installed or future EV spaces, receptacles, or EV chargers. Construction documents shall also provide information on amperage of installed or future receptacles or EVSE, raceway method(s), wiring schematics, and electrical load calculations. Plan design shall be based upon a 40-ampere minimum branch circuit. Required raceways and related components that are planned to be installed underground, enclosed, inaccessible, or in concealed areas and spaces shall be installed at the time of original construction.</p> <p>Exception to 4.106.4.2.3(2): A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location (or the proposed location) of the EV space at the time of original construction in accordance with the California Electrical Code.</p> <p>4.106.4.2.4 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.</p> <p>4.106.4.2.5 Electric vehicle ready space signage. Electric vehicle ready spaces shall be identified by signage or pavement markings, in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).</p>			
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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<p>A4.106.4 Water permeable surfaces. Permeable paving is utilized for not less than 20 percent of the total parking, walking, or patio surfaces. (Tier 1 Prerequisite)</p> <p>Exception: Primary driveway, entry walkway and porch/landing or required accessible routes for persons with disabilities.</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<p>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</p>			
<p>4.106.4.3 Multi-family residential only: When new parking facilities are added, or electrical systems or lighting of existing parking facilities are added or altered, ten percent of the total number of parking spaces added or altered shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. (Electric Vehicle Charging Space definition: A space intended for future installation of EV charging equipment and charging of electric vehicles).</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<p>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</p>			
<p>A4.106.5 Cool Roof. Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Solar Reflectance Index (SRI).</p> <p>Low-rise Residential: Roof covering shall meet or exceed the values contained in Table A4.106.5.1(1). Santa Rosa is in Zone 2 - N/A at this time.</p> <p>High-rise Residential, Hotels, and Motels: Roof covering shall meet or exceed the values contained in Table A4.106.5.1(3). (Tier 1 Prerequisite)</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<p>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</p>			
<p>Santa Rosa City Code (SRCC) 18-42.4.106.5 All-electric buildings. New low-rise residential construction buildings shall comply with SRCC Section 18-42-4.106.5.1 so that they do not use combustion equipment.</p> <p>18-42.4.106.5.1 New construction (low-rise residential). All newly constructed buildings shall be all-electric buildings.</p> <p>Exemptions:</p> <ol style="list-style-type: none"> 1. Attached Accessory Dwelling Units. 2. Reconstructed buildings lost in a disaster or calamity. 3. New construction where existing utility infrastructure would have to be removed at the owner's expense. 	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<p>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</p>			
<p>A4.106.6 Vegetated roof. Install a vegetated roof for at least 50% of the roof area.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<p>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</p>			
<p>A4.106.7 Reduction of heat island effect for nonroof areas. Reduce nonroof heat islands for 50% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed in #1 – 5.</p>		<input type="checkbox"/>	<input type="checkbox"/>

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<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
<p>A4.106.8 Electric vehicle (EV) charging. Dwellings shall comply with the following requirements for the future installation of electric vehicle supply equipment (EVSE):</p> <p>A4.106.8.1 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. (Tier 1 Prerequisite)</p> <p>A4.106.8.2 Multifamily dwellings. Provide capability for future electric vehicle charging in 15 percent of total parking spaces, as specified. (Tier 1 Prerequisite)</p> <p>A4.106.8.3 New Hotels and Motels. If total number of parking spaces is more than 9, provide EV spaces in accordance with Table A4.106.8.3.1. (Tier 1 Prerequisite)</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
<p>A4.106.9 Bicycle parking. Comply with Sections A4.106.9.1 through A4.106.9.3 or meet local ordinance, whichever is more stringent.</p> <p>Exception: Spaces may be reduced as approved by enforcing agency, due to building site characteristics, including but not limited to, isolation from other development.</p> <p>A4.106.9.1 Short-term bicycle parking. Provide permanently anchored bicycle racks within 100 ft. of the visitor's entrance for 5% of visitor motorized vehicle parking capacity with a minimum of one 2-bike capacity.</p> <p>A4.106.9.2 Long-term bicycle parking for multifamily buildings. Provide on-site conveniently reached bicycle parking facilities for at least one bicycle per every 2 dwelling units.</p> <p>A4.106.9.3 Long-term bicycle parking for hotel and motel buildings. Provide one on-site conveniently reached bicycle parking facilities for every 25,000 sq. ft., but not less than 2.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
<p>A4.106.10 Light pollution reduction. Outdoor lighting systems shall be designed and installed to comply with all the following:</p> <ol style="list-style-type: none"> 1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of California Administrative Code 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11 3. Allow BUG ratings not exceeding those shown in Table A4.106.10 <p>Exceptions to Section A4.106.10:</p> <ol style="list-style-type: none"> 1. Luminaires that qualify as exceptions in the California Energy Code 2. Emergency lighting 3. One- and two-family dwellings 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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Innovative Concepts and Local Environmental Conditions (A4.108.1)			
Proposed Innovative Concept 1:	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
CALGreen DIVISIONS 4.2 & A4.2: ENERGY EFFICIENCY			
ALL ITEMS ARE REQUIRED UNLESS OTHERWISE JUSTIFIED		SELECT ALL MEASURES VERIFIED IN THE COMPLETED PROJECT	
Performance Approach			
4.201.1 Building meets or exceeds the requirements of the 2022 California Building Energy Efficiency Standards. (Energy Code Tier 1 not applicable)	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.203.1.1 Low-rise residential: Hourly Source Energy Design Rating (EDR1). EDR1 rating for the building's Proposed Design shall be computed by Compliance Software certified by the Energy Commission as specified in Title 24, Part 6, Section 100.1 and 150.1(b), and shall reduce the EDR1 required in the Compliance Software for minimum performance-based compliance with the California Energy Code by 4.4 (See Table A4.203.1.1). The rating shall be included in the Certificate of Compliance documentation.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
<p>A4.203.1.2 Select a minimum of TWO of the efficiency measures specified in Sections A4.203.1.2.1 through A4.203.1.2.8.</p> <p>A4.203.1.2.1 Roof deck insulation, or ducts in conditioned space. Meet one of the three options for the location of ducts and air handlers as well as insulation R-values and installation of a radiant barrier as specified in Title 24, Part 6, Section 150.1(c)9A or B:</p> <ol style="list-style-type: none"> 1. Below roof deck insulation with a minimum R-Value of 19. 2. Continuous above deck insulation with a minimum R-8 and with an air space present between the roofing and the roof deck. 3. All ducts and air handlers installed in conditioned space as specified in Title 24, Part 6, Reference Appendix RA3.1 <p>A4.203.1.2.2 High performance walls. Meet the climate zone dependent U-factor or insulation R-value for either 2x6 or 2x4 framing as specified in Title 24, Part 6, Section 150.1(c)1B: maximum U-factor of 0.048.</p> <p>A4.203.1.2.3 Compact hot water distribution system. Meet the requirements for installation of Compact Hot Water Distribution Systems specified in the Title 24, Part 6, Reference Appendix RA3.6.5.</p> <p>A4.203.1.2.4 Drain water heat recovery. Meet the requirements for installation of Drain Water Heat Recovery specified in Title 24, Part 6, Reference Appendix RA4.4.21.</p> <p>A4.203.1.2.5 High performance vertical fenestration. Meet the climate zone dependent U-factor and Solar Heat Gain Co-efficient (SHGC) specified in Title 24, Part 6, Section 110.6, and not to exceed a maximum U-factor of 0.21, and a maximum SHGC of 0.23.</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>

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<p>A4.203.1.2.6 Heat pump water heater demand management. For building with heat pump water heating, meet the requirements for installation of controls specified by Title 24, Part 6, Reference Appendix JA13.3.3.</p> <p>A4.203.1.2.7 Battery storage system controls. For buildings with battery storage systems, meet the requirements for installation of controls specified by Title 24, Part 6, Reference Appendix JA12 for either the Time-of-Use Control or Advanced Demand Flexibility Control option.</p> <p>A4.203.1.2.8 Heat pump space and water heating. Meet the space heating and water heating loads using heat pump equipment.</p>			
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
CALGreen DIVISIONS 4.3 & A4.3: WATER EFFICIENCY AND CONSERVATION	ALL ITEMS ARE REQUIRED UNLESS OTHERWISE JUSTIFIED	SELECT AT LEAST TWO ELECTIVE MEASURES FROM A4.3	SELECT ALL MEASURES VERIFIED IN THE COMPLETED PROJECT
Indoor Water Use			
<p>4.303.1 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of Sections 4.303.1.1 through 4.303.1.4.5.</p> <p>4.303.1.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush.</p> <p>4.303.1.2 Urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush (0.125 gpf for wall-mounted urinals).</p> <p>4.303.1.3 Showerheads.</p> <p>4.303.1.3.1 Single Showerheads. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi.</p> <p>4.303.1.3.2 Multiple Showerheads. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi., or the shower shall be designed to allow only one shower outlet to be in operations at a time.</p> <p>4.303.1.4 Faucets.</p> <p>4.303.1.4.1 Residential lavatory faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gpm at 60 psi nor be less than 0.8 gpm at 20 psi.</p> <p>4.303.1.4.2 Lavatory faucets in common and public use areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside dwellings or sleeping units) in residential buildings shall not exceed 0.5 gpm at 60 psi.</p> <p>4.303.1.4.3 Metering faucets. Metering faucets when installed in residential buildings shall not deliver more than 0.2 gallons per cycle.</p> <p>4.303.1.4.4 Kitchen faucets. The maximum flow rate of kitchen faucets may not exceed 1.8 gpm at 60 psi (May temporarily increase to 2.2 gpm). Note: Aerators OK if complying faucets not available.</p>	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
<p>A4.303.1 Kitchen faucets and dishwashers. Kitchen faucets shall have a maximum flow rate not greater than 1.5 gallons per minute at 60 psi. (May temporarily increase to 2.2 gpm). Note: Aerators OK if complying faucets not available.</p>		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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4.303.2 Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the California Plumbing Code.	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.303.2 Alternate water sources 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 California Plumbing Code.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.303.3 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"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.303.3 Appliances. Install at least one qualified ENERGY STAR dishwasher or clothes washer.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.303.4 Nonwater urinals and waterless toilets. Nonwater urinals or composting toilets are installed.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.303.5 Hot Water Recirculation. One- and two-family dwellings shall be equipped with a demand hot water recirculation system.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Outdoor Water Use			
4.304.1 Landscaping and site work shall comply with the City of Santa Rosa Water Efficient Landscape Ordinance (WELO) - See Santa Rosa City Code Section 14-30	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.304.1 Rainwater catchment systems. A rainwater capture, storage and re-use system is designed and installed to use rainwater generated by at least 65% of the available roof area.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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A4.304.2 Potable water elimination. When landscaping is provided, a landscape design is installed which does not utilize potable water. (Support documentation required at application submittal.)		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.304.3 Irrigation metering device. For new water service connections, landscaped irrigated areas more than 5,000 sq. ft. shall be provided with separate submeters or metering devices for outdoor potable water use.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Water Reuse Systems			
A4.305.1 Graywater. Alternative plumbing piping is installed to permit the discharge from the clothes washer or other fixtures to be used for an irrigation system in compliance with the California Plumbing Code.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.305.2 Recycled water piping. Based upon projected availability, dual water piping is installed for future use of recycled water at interior and exterior locations. Interior piping for use of recycled water for water closets, urinals and floor drains. Exterior piping to transport recycled water from the point of connection to the structure.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.305.3 Recycled water for landscape irrigation. Recycled water is used for landscape irrigation.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Innovative Concepts and Local Environmental Conditions (A4.306.1)			
Proposed Innovative Concept 1:	<input type="checkbox"/> RQD <input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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CALGreen DIVISIONS 4.4 & A4.4: MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	ALL ITEMS ARE REQUIRED UNLESS OTHERWISE JUSTIFIED	SELECT AT LEAST TWO ELECTIVE MEASURES FROM A4.4	SELECT ALL MEASURES VERIFIED IN THE COMPLETED PROJECT
Foundation Systems			
A4.403.2 Reduction in cement use. Cement use in foundation mix design is reduced by not less than a 20 percent. (Tier 1 Prerequisite) Note: As allowed by the enforcing agency, any design cement mix must be authorized and approved by Architect of Record.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Efficient Framing Techniques			
A4.404.1 Lumber size. Beams and headers and trimmers are the minimum size to adequately support the load.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.404.2 Building dimensions & layouts. Building dimensions and layouts are designed to minimize waste in at least 80% of the structure. <ol style="list-style-type: none"> 1. Building design dimensions in 2 foot increments 2. Windows & doors are located at regular 16" or 24" o.c. stud positions. 3. Other methods acceptable by enforcing agency. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.404.3 Building systems. Use pre-manufactured building systems to eliminate solid sawn lumber whenever possible. One or more of the following premanufactured building systems is used: <ol style="list-style-type: none"> 1. Composite floor joist or premanufactured floor framing system. 2. Composite roof rafters or premanufactured roof framing system. 3. Panelized (SIPS, ICF or similar) framing systems. 4. Other methods acceptable by enforcing agency. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.404.4 Pre-cut materials and details. Material lists are included, in the plans, which specify material quantity and provide direction for on-site cuts of the following systems: <i>(Support documentation required at application submittal.)</i> <ol style="list-style-type: none"> 1. Floor framing. 2. Wall framing. 3. Ceiling and roof framing. 4. Structural panels and roof sheathing. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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Material Sources			
A4.405.1 Prefinished building materials. One or more of the following building materials, that do not require additional resources for finishing are used: <ol style="list-style-type: none"> 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. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.405.2 Concrete floors. Floors that do not require additional coverings are used including but not limited to stained, natural, or stamped concrete floors.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.405.3.1 Recycled content. Use materials, equivalent in performance to virgin materials, with total (combined) recycled content value (RCV) for not less than 10% of the total material cost of the project. For the purposes of this section, materials used as components of the structural frame shall not be used to calculate recycled content. See Section A4.405.3.1 for calculation methods. Documentation is required at time of permit application. (Tier 1 Prerequisite)	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.405.4 Use of building materials from rapidly renewable sources. One or more of the following materials is manufactured from rapidly renewable sources or agricultural by-products. (<i>Support documentation is required</i>): <ol style="list-style-type: none"> 1. Insulation 2. Bamboo or cork 3. Engineered products 4. Agricultural based products. 5. Other products acceptable to enforcing agency. 		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Enhanced Durability and Reduced Maintenance			
4.406.1 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.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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Water Resistance and Moisture Management			
A4.407.1 Drainage around foundation. Install foundation and landscape drains which discharge to a dry well, sump, bioswale or other approved location.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.407.2 Roof drainage. 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.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.407.3 Flashing details. Provide flashing details on the building plans and comply with accepted industry standards or manufacturers instructions.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.407.4 Material protection. Protect building materials delivered to the construction site from rain and other sources of moisture.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.407.6 Door protection. Exterior doors to the dwelling are protected by awning or roof coverings at least 4 feet in depth.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.407.7 Roof overhangs. A permanent overhang or awning at least 2 feet in depth is provided at all exterior walls.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Construction Waste Reduction, Disposal and Recycling			
4.408.1 Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste. Specify which section (4.408.2, 4.408.3 or 4.408.4) was chosen for compliance. <i>(Support documentation required at application submittal)</i>	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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<p>A4.408.1 Enhanced construction waste reduction. At least 65% of nonhazardous construction and demolition debris generated at the site is diverted to recycle or salvage. (Tier 1 prerequisite)</p> <p>A4.408.1.1 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with this section. Documentation shall be in compliance with Section 4.408.5.</p>	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Building Maintenance and Operation			
<p>4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner. See Section 4.410.1 for full requirements.</p>	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
<p>4.410.2 Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and are 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.</p>	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Innovative Concepts and Local Environmental Conditions (A4.411.1)			
<p>Proposed Innovative Concept 1:</p>	<input type="checkbox"/> RQD <input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
CALGreen DIVISIONS 4.5 & A4.5: ENVIRONMENTAL QUALITY		<small>ALL ITEMS ARE REQUIRED UNLESS OTHERWISE JUSTIFIED</small>	<small>SELECT AT LEAST ONE ELECTIVE MEASURE FROM A4.5</small>
Fireplaces			
<p>4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed wood stove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits.</p>	<input type="checkbox"/> RQD <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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Pollutant Control			
4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.504.1 Compliance with formaldehyde limits. Use composite wood products made with either California Air Resources Board approved noadded formaldehyde resins or ultra-low emitting formaldehyde resins.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
A4.504.2 Resilient flooring systems. At least 90% of the resilient flooring systems installed in the building shall comply with the VOC emission limits defined in at least one of the 4 listed criteria in Section A4.504.2 (Tier 1 prerequisite) (supercedes 4.504.4) Note: Documentation must be provided that verifies that finish materials are certified to meet the pollutant emission limits in this section.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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4.504.3 Carpet and carpet systems shall be compliant with VOC limits.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.3 Thermal insulation. Install thermal insulation in compliance with the VOC-emission limits defined in Collaborative for High Performance Schools (CHPS) Low-emitting Materials List. (Tier 1 prerequisite) Note: Documentation must be provided that verifies that finish materials are certified to meet the pollutant emission limits in this section.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.504.5 Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall comply with low formaldehyde emission standards (See CALGreen Table 4.504.5). Verification documentation is required.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Interior Moisture Control			
4.505.2 Vapor retarder and capillary break is installed at slab-on-grade foundations.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure (<19%). Verification documentation is required.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Interior Air Quality and Exhaust			
4.506.1 Humidity controlled exhaust fans which terminate outside the building are provided in every bathroom unless otherwise a component of a whole house ventilation system.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
4.506.2 Construction filter (High-Rise Residential). Provide filters on return air openings rated at MERV 8 or higher during construction.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

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A4.506.3 Direct-vent appliances. Direct-vent heating and cooling equipment shall be utilized if the equipment will be located in the conditioned space or install the space heating and water heating equipment in an isolated mechanical room. Electric appliances do not qualify for this measure.		<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Environmental Comfort			
4.507.2 Duct systems and equipment are sized and designed and selected using the following methods: <ol style="list-style-type: none"> 1. Establish heat loss and heat gain values according to ANSI/ACCA Manual J-2016 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D-2016 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent. 	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Innovative Concepts and Local Environmental Conditions (A4.509.1)			
Proposed Innovative Concept 1:	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
INSTALLER AND CALGreen INSPECTOR QUALIFICATIONS			
Qualifications			
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
702.2 The CALGreen Inspector is listed by the City of Santa Rosa as an approved CALGreen Inspector and is qualified and able to demonstrate competence in the discipline they inspect and verify.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			
Verifications			
703.1 Verification of compliance with this code shall include, but not be limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	<input type="checkbox"/> RQ'D <input type="checkbox"/> N/A		<input type="checkbox"/>
<i>Sheet number and description of proposed measure(s) or explanation of why it is not applicable (N/A):</i>			

DEFINITIONS:

BROWNFIELD SITE: REAL PROPERTY, THE EXPANSION, REDEVELOPMENT OR REUSE OF WHICH MAY BE COMPLICATED BY THE PRESENCE (OR POTENTIAL PRESENCE) OF A HAZARDOUS SUBSTANCE, POLLUTANT, OR CONTAMINANT (WITH CERTAIN LEGAL EXCLUSIONS AND ADDITIONS.)

ELECTRIC VEHICLE CHARGING SPACE DEFINITION: A SPACE INTENDED FOR FUTURE INSTALLATION OF EV CHARGING EQUIPMENT AND CHARGING OF ELECTRIC VEHICLES

GREYFIELD SITE: ANY SITE PREVIOUSLY DEVELOPED WITH AT LEAST 50% OF THE SURFACE AREA COVERED WITH IMPERVIOUS MATERIAL.

INFILL SITE: A SITE IN AN URBANIZED AREA THAT MEETS EITHER OF THE FOLLOWING CRITERIA:

1. THE SITE IS IMMEDIATELY ADJACENT TO PARCELS THAT ARE DEVELOPED WITH QUALIFIED URBAN USES, OR AT LEAST 75% OF THE PERIMETER OF THE SITE ADJOINS PARCELS THAT ARE DEVELOPED WITH QUALIFIED URBAN USES, AND THE REMAINING 25% OF THE SITE ADJOINS PARCELS THAT HAVE PREVIOUSLY BEEN DEVELOPED FOR QUALIFIED URBAN USES.
2. NO PARCEL WITHIN THE SITE HAS BEEN CREATED WITHIN THE PAST 10 YEARS UNLESS THE PARCEL WAS CREATED AS A RESULT OF THE PLAN OF A REDEVELOPMENT AGENCY

CALGreen BUILDING ACKNOWLEDGMENTS

PROJECT ADDRESS: _____

PROJECT DESCRIPTION: _____

SECTION 1 - DESIGN VERIFICATION

INSTRUCTIONS:

Prior to building permit application, 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 City of Santa Rosa Building Division.

The signatures below certify that the owner, design professional, and the CALGreen inspector have reviewed the plans and Columns 1 and 2 of this checklist, 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 2022 California Green Building Standards Code.

Owner's Signature

Date

Owner's Name *(Please Print)*

Design Professional's Signature

Date

Design Professional's Name *(Please Print)*

CALGreen Inspector's Signature

Date

CALGreen Inspector's Name *(Please Print)*

CALGreen Inspector's Phone Number

CALGreen E-mail Address

ICC Certification Number

SECTION 2 - IMPLEMENTATION VERIFICATION

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

The owner, design professional, and the CALGreen 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 2022 California Green Building Standards Code.

CALGreen Inspector's Signature

Date

CALGreen Inspector's Name *(Please Print)*

CALGreen Inspector's Phone Number
(If Different Than Above)

CALGreen E-mail Address *(If Different Than Above)*

ICC Certification Number
(If Different Than Above)