



**City of
Santa Clara**
The Center of What's Possible

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**2022 CALIFORNIA GREEN BUILDING CODE (CGC) CHECKLIST
FOR NEW NONRESIDENTIAL BUILDINGS**

BUILDING PERMIT NO.: BLD2
 ADDRESS: _____

**MANDATORY
MEASURES
SPECIFIED**
(Please check
boxes below)

Feature or Measure	Yes
SITE DEVELOPMENT (CGC 5.106)	
Storm water pollution control. Newly constructed projects which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through local ordinance per CGC 5.106.1.1 or Best Management Practices (BMPs) per CGC 5.106.1.2.	<input type="checkbox"/>
Short-Term bicycle parking. If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of new visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack per CGC 5.106.4.1.1.	<input type="checkbox"/>
Long-Term bicycle parking. For buildings with 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of tenant-occupied motorized vehicle parking capacity, with a minimum of one bicycle parking facility per CGC 5.106.4.1.2.	<input type="checkbox"/>
Bicycle parking at shell buildings. For new shell buildings in phased projects, provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility per CGC 5.106.4.1.4.	<input type="checkbox"/>
Bicycle parking facility requirements. Acceptable bicycle parking facility shall be convenient from the street and shall meet additional requirements of CBC 5.106.4.1.5.	<input type="checkbox"/>
Electrical vehicle (EV) charging. Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with the <i>California Building Code</i> and <i>California Electrical Code</i> per CGC 5.106.5.3 as amended by City of Santa Clara Reach Code Ordinance No. 2056 (CSC 2023 Reach Code) Section 15.38.050.	<input type="checkbox"/>
EV capable spaces. Provide electric vehicle infrastructure and capability for electric vehicle charging to support the future Level 2 EV charging as specified in CGC 5.106.5.3.1 as amended by CSC 2023 Reach Code Section 15.38.050.	<input type="checkbox"/>
Electric vehicle charging stations (EVCS). Provide electric vehicle infrastructure and capability for electric vehicle charging with minimum required Level 2 EVCS as specified in CSC 2023 Reach Code Section 15.38.050 amended per CGC 5.106.5.3.2. Installation of each Direct Current Fast Charging (DCFC) shall be permitted to reduce the minimum required Level 2 EVCS spaces in accordance with CSC 2023 Reach Code section 15.38.050 (a) Exception 3 or <i>2022 California Green Code</i> Section 5.106.5.3.2. as amended by CSC 2023 Reach Code Section 15.38.050(c), whichever is more stringent.	<input type="checkbox"/>
Automatic load management system (ALMS) shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS, CGC 5.106.5.3.3 as amended by CSC 2023 Reach Code Section 15.38.050.	<input type="checkbox"/>
Accessible EVCS. When EVSE is installed, accessible EVCS shall be provided in accordance with the <i>California Building Code</i> Section 11B-228.3 per CGC 5.106.5.3.4.	<input type="checkbox"/>
Identification: The raceway termination location shall be permanently and visibly marked as " EV-Ready ", per CGC 5.106.5.3.5 as amended by CSC 2023 Reach Code Section 15.38.050.	<input type="checkbox"/>

CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING (CGC 5.408)	
<p>Construction waste diversion. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (CGC 5.408.1).</p> <p>Verification of compliance. A copy of the completed waste management report shall be provided per CGC 5.408.1.4.</p>	<input type="checkbox"/> <input type="checkbox"/>
<p>Excavated soil and land clearing debris. 100% of trees, stumps, rocks, and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled per CGC 5.408.3.</p>	<input type="checkbox"/>
BUILDING MAINTENANCE AND OPERATION (CGC 5.410)	
<p>Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of nonhazardous materials for recycling per CGC 5.410.1.</p>	<input type="checkbox"/>
<p>Commissioning. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that building systems and components meet the owner's project requirements. Commissioning shall be performed in accordance with Section 5.410.2. These requirements are separate from the commissioning requirements of Section 120.8 of the <i>California Energy Code</i>.</p> <p>Commissioning report. A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative per CGC 5.410.2.6.</p>	<input type="checkbox"/> <input type="checkbox"/>
<p>Testing and adjusting. Testing and adjusting of systems shall be required for buildings less than 10,000 square feet per CGC 5.410.4.</p> <p>Testing and adjustment report. After completion of testing, adjusting and HVAC balancing, provide a final report of testing signed by the individual responsible for performing these services per CGC 5.410.4.4.</p> <p>Operation and maintenance manual. Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection per CBC 5.410.4.5.</p> <p>Inspections and reports. Include a copy of all inspection verifications and reports required by the City per CGC 5.410.4.5.1.</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ENVIRONMENTAL QUALITY	
FIREPLACES (CGC 5.503)	
<p>Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the <i>California Energy Code</i>, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall also comply with Santa Clara City Code Chapter 15.65. (CGC 5.503.1)</p> <p>Woodstoves. Woodstoves and pellet stoves shall comply with US EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits per CGC 5.503.1.1.</p>	<input type="checkbox"/>
POLLUTANT CONTROL (CGC 5.504)	
<p>Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a MERV of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy. (CGC 5.504.1)</p>	<input type="checkbox"/>
<p>Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the City to reduce the amount of dust, water and debris which may enter the system per CGC 5.504.3.</p>	<input type="checkbox"/>

<p>Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.</p> <p>Adhesives, sealants and caulks. Adhesives, sealants and caulks used on the project shall meet the requirements of the standards listed in CGC 5.504.4.1.</p> <p>Paints and coatings. Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply.</p> <p>Verification. Verification of compliance with this section shall be provided at the request of the City per CGC 5.504.4.3.2.</p> <p>Carpet systems. All carpet systems, carpet cushion, and carpet adhesive installed in the building interior shall meet the testing and product requirements of one of the standards listed in Section 5.504.4.4.</p> <p>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 CGC Table 5.504.4.5.</p> <p>Verification. Verification of compliance with this section shall be provided as requested by the City per CGC 5.504.4.5.3.</p> <p>Resilient flooring systems. For 80% of floor area receiving resilient flooring, installed resilient flooring shall comply with CGC 5.504.4.6.</p> <p>Verification. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits per CGC 5.504.4.6.1.</p> <p>Thermal insulation. Thermal insulation shall comply with the requirements of CGC 5.504.4.7.</p> <p>Verification. Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits per CGC 5.504.4.7.1.</p> <p>Acoustical ceilings and wall panels. Acoustical ceilings and wall panels shall comply with the requirements of CGC 5.505.4.8.</p> <p>Verification. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits per CGC 5.504.4.8.1.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>
<p>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 13. MERV 13 filters shall be installed after any flush-out or testing and prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual per CGC 5.504.5.3.</p> <p>Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating per CGC 5.504.5.3.1.</p>	<p><input type="checkbox"/></p>
<p>Environmental tobacco smoke (ETS) control. Prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows where outdoor areas are provided for smoking and within the building as already prohibited by other laws, regulations or policies, whichever are more stringent, per CGC 5.504.7.</p>	<p><input type="checkbox"/></p>
INDOOR MOISTURE CONTROL (CGC 5.505)	
<p>Indoor moisture control. Building shall meet or exceed the provisions of <i>California Building Code</i>, CCR, Title 24, Part 2, Section 1202 (Ventilation) and Chapter 14 (Exterior Walls). See CGC 5.407.2 for additional measures. (CGC 5.505.1)</p>	<p><input type="checkbox"/></p>
AIR QUALITY AND EXHAUST (CGC 5.506)	
<p>Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the <i>California Energy Code</i> or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8, per CGC 5.506.1.</p>	<p><input type="checkbox"/></p>
<p>Carbon dioxide (CO₂) monitoring. For buildings equipped with demand control ventilation, CO₂ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the <i>California Energy Code</i>, Section 120.1(c)(4), per CGC 5.506.2.</p>	<p><input type="checkbox"/></p>
ENVIRONMENTAL COMFORT (CGC 5.507)	
<p>Acoustical control. Employ building assemblies and components with STC values determined in accordance with ASTM E90 and ASTM E413 or OITC determined in accordance with ASTM E 1332, using either the exterior noise transmission prescriptive or performance method in Sections 5.507.4.1 or 5.507.4.2. (CGC 5.507.4)</p>	<p><input type="checkbox"/></p>
<p>Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public spaces shall have an STC of at least 40 (CGC 5.507.4.3).</p>	<p><input type="checkbox"/></p>

