



## GREEN CODE

**A separate sheet shall be submitted with all the requirements of 2016 Green Code for construction.**

### 1. SITE

- Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction or demolition debris. CGBSC 4.408.1
- Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency. CGBSC 4.408.2.
  1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale.
  2. Specify if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
  3. Identify diversion facilities where the construction and demolition waste material will be taken.
  4. Identify construction methods employed to reduce the amount of construction and demolition waste generated.
  5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
- Submit drainage plan showing how to keep surface water from entering the building. CGBSC 4.106.3.
- Submit storm water management plan for lots less than 1 acre. CGBSC 4.106.2.

### 2. FOUNDATION

- Concrete slab foundation shall have a vapor retarder and a capillary break (e.g. 4-inch thick base of ½ inch of clean aggregate with a vapor barrier). CGBSC 4.505.2.1.

### 3. OUTDOOR WATER USE

- New construction projects with an aggregate landscape area equal to or greater than 500 square feet or rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,000 square feet shall comply with the city of Menlo Park Model Water Efficient Landscape Ordinance (MWEL). CGBSC 4.304.1.

### 4. INDOOR WATER USE

Show on plan compliance with water efficiency and conservation that requires 20% saving in potable water using as a base line Table 4.303.1.

Under the prescriptive use a maximum flow rate as follows:

Showerheads	≤2 gallon per minute (gpm) @ 80psi
Lavatory faucet	≤1.2 gpm @ 60psi
Kitchen faucets	≤1.8 gpm @ 60psi
Water closet	≤1.28 gallons per flush

As an alternative to prescriptive compliance, provide calculations to demonstrate 20% saving. (CGBSC, Section 4.303.1).

When a shower is served by more than one showerhead, the combined flow of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow one shower outlet to be in operation at a time. 4.303.1.3.2

## 5. HEATING, VENTILATION and AIR CONDITIONING

- Install energy star bathroom fans on timer or humidistat ( CGBSC 4.507.2)
- Heating and air-conditioning systems shall be sized, designed and have their equipment selected using the following methods:
  1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J—2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods.
  2. Duct systems are sized according to ANSI/ACCA 1 Manual D—2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods.
  3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S—2014 (Residential Equipment Selection) or other equivalent design software or methods.

**Exception:** Use of alternate design temperatures necessary to ensure the systems function are acceptable.

## 6. ENVIRONMENTAL QUALITY. CGBSC Div 4.5

Provide product certification and specification to show compliance with Green Code.

- a. Gas fireplace shall have a direct-vent sealed combustion type. Any installed woodstove or pellet stove 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 emissions limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances (CGBSC 4.503.1).
- b. At the time of rough installation or during storage on the construction site and 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 enforcing agency to reduce the amount of water, dust and debris, which may enter the system (CGBSC 4.504.1).
- c. Note on plan list of adhesives, sealant, caulking, paint, coating will be used and the VOC content. VOC limits shall be according to CGBSC Sections 4.504.2.1.

## 7. FINISHES

- a. Use low-VOC interior wall/ceiling paints (<50 grams per letter (GPL) VOCs regardless of sheen) CGBSC 4.504.2.2
- b. Use low-VOC coatings that meet SCAQMD rule 1113 (CGBSC 4.504.2.3)
- c. All carpet installed in the building interior shall meet the testing and product requirements of one of the following: CGBSC 4.504.3.
  1. Carpet and Rug Institute's Green Label Plus Program.
  2. California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350.)
  3. NSF/ANSI 140 at the Gold level.
  4. Scientific Certifications Systems Indoor Advantage™ Gold.

- d. Where resilient flooring is installed, at least 80% of floor area receiving resilient flooring shall comply with one or more of the following: CGBSC 4.504.4.
  - 1. COC emission limits defines in the Collaborative for High Performance Schools (CHPS) High Performance Products Database.
  - 2. Products complaint with CHPS criteria certified under the Green guard Children & Schools program.
  - 3. Certification under the Resilient Floor Covering Institute (RFCI) Floor score program.
  - 4. Meet the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350).
- e. 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 on ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5.
- f. All carpet adhesive shall meet the requirements of Table 4.504.1

**8. OTHER**

- a. At the time of Final Inspection an Operation and Maintenance Manual shall be provided to the building occupant or owner (CGBSC Section 4.410).