



CITY OF CORONADO

DEPARTMENT OF COMMUNITY DEVELOPMENT
BUILDING DIVISION
1825 STRAND WAY, CORONADO, CA 92118
(619) 522-7331 / (619) 522-2418 (FAX)
COMMDEV@CORONADO.CA.US

HANDOUT
209
JULY 2012

MANDATORY GREEN CODE STANDARDS

NEW RESIDENTIAL CHECKLIST & CERTIFICATION

PURPOSE: To ensure mandatory features of the California Green Building Standards Code are incorporated into new residential construction.

AUTHORITY: 2010 California Green Building Standards Code (individual code sections cited with feature)

NOTES: 1. The mandatory features set forth below must be incorporated into new residential construction and certified to be incorporated prior to building final.

- DATA:**
- Planning and Design**
 - 1. Site Development (4.106)**
 - a. A plan is developed and implemented to manage storm water drainage during construction. (4.106.2)
 - b. 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. (4.106.3)
 - Energy Efficiency**
 - 1. General (4.201.1)**
 - a. Low-rise residential buildings shall meet or exceed the minimum standard design required by the California Energy Standards.
 - Water Efficiency and Conservation**
 - 1. Indoor Water Use (4.303)**
 - a. Indoor water use shall be reduced by at least 20 percent using one of the following methods:
 - (1). Water saving fixtures or flow restrictor shall be used.
 - (2). A 20 percent reduction in baseline water use shall be demonstrated. (4.303.1)
 - b. When using the calculation method specified in Section 4.303.1, multiple showerheads shall not exceed maximum flow rates. (4.303.2)
 - c. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with specified performance requirements. (4.303.3)
 - 2. Outdoor Water Use (4.304.1)**
 - a. Automatic irrigation system controllers installed at the time of final inspection shall be weather- or soil moisture-based.
 - Material Conservation and Resource Efficiency**
 - 1. Enhanced Durability and Reduced Maintenance (4.406.1)**
 - a. 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.
 - 2. Construction Waste Reduction, Disposal and Recycling (4.408.1)**
 - a. Recycle and/or salvage for reuse a minimum of 50 percent of the nonhazardous construction and demolition waste in accordance with one of the following:
 - (1). Comply with a more stringent local construction and demolition waste management ordinance; or
 - (2). A construction waste management plan per Section 4.405.2; or
 - (3). A waste management company per Section 4.408.3; or
 - (4). The waste stream reduction alternative per Section 4.408.4.
 - 3. Building Maintenance and Operation (4.410.1)**
 - a. An operation and maintenance manual shall be provided to the building occupant or owner.

Environmental Quality

1. Fireplaces (4.503.1)

- a. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with US-EPA Phase II emission limits where applicable. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.

2. Pollutant Control (4.504)

- a. Duct openings and other related air distribution component openings shall be covered during construction. (4.504.1)
- b. Adhesives, sealants and caulks shall be compliant with Volatile Organic Chemical (VOC) and other toxic compound limits. (4.504.2.1)
- c. Paints, stains and other coatings shall be compliant with VOC limits. (4.504.2.2)
- d. Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds. (4.504.2.3)
- e. Documentation shall be provided to verify that compliant VOC limit finish materials have been used. (4.504.2.4)
- f. Carpet and carpet systems shall be compliant with VOC limits. (4.504.3)
- g. Fifty (50) percent of floor area receiving resilient flooring shall comply with the VOC emission limits defined in the Collaborative for High Performance Schools (CHPS) High Performance Products Database or be certified under the Resilient Floor Covering Institute (RFCI) FloorScore program; or meet California Dept. 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). (4.504.4)
- h. Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards. (4.504.5)

3. Interior Moisture Control (4.505)

- a. Vapor retarder and capillary break is installed at slab on grade foundations. (4.505.2)
- b. Moisture content of building materials used in wall and floor framing is checked before enclosure. (4.505.3)

4. Indoor Air Quality and Exhaust (4.506.1)

- a. Exhaust fans which terminate outside the building are provided in every bathroom.

5. Environmental Comfort (4.507)

- a. Whole house exhaust fans shall have insulated louvers or covers which close when the fan is off. Covers or louvers shall have a minimum insulation value of R-4.2. (4.507.1)
- b. Duct systems are sized, designed, and equipment is selected using the following methods:
 - (1). Establish heat loss and heat gain values according to ACCA Manual J or equivalent.
 - (2). Size duct systems according to ACCA 29-D (Manual D) or equivalent.
 - (3). Select heating and cooling equipment according to ACCA 36-S (Manual S) or equivalent. (4.507.2)

Installer and Special Inspector Qualifications

1. Qualifications (702)

- a. HVAC system installers are trained and certified in the proper installation of HVAC systems. (702.1)
- b. Special Inspectors employed by the owner must be qualified and able to demonstrate competence in the discipline they are inspecting. (702.2)

2. Verifications (703.1)

- a. Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certifications, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.

CERTIFICATION:

Permit #: _____ Project Address: _____

Property Owner: _____

Contractor: _____ License # / Class: _____

I certify that, to the best of my knowledge, the mandatory features listed on this handout have been incorporated into this project in order to comply with the 2010 California Green Building Standards (California Code of Regulations, Title 24, Part 11).

Signature: _____ Printed name: _____ Date: _____

Owner Contractor Other _____