



Declaration of Installation for Smoke Alarms and Carbon Monoxide Alarms

The newly adopted 2010 California Residential Code requires the installation of Carbon Monoxide Detectors in dwelling units and in sleeping units within which fuel-burning appliances are installed and in dwelling units that have attached garages. The policy for Carbon Monoxide Alarms in the County of Placer states: "All permits issued and associated with a Residential Group R *Dwelling Unit or Sleeping Unit* shall conform to the following 2010 California Residential Code requirements for Carbon Monoxide Alarms (Section R315)."

2010 California Residential Code requirements for Carbon Monoxide Alarms:

R315.1 New construction: An approved carbon monoxide alarm shall be installed in *dwelling units and in sleeping units* within which *fuel-burning appliances* are installed and in dwelling units that have attached garages.

R315.1.1 Power supply: For new construction required carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a battery back-up. Alarm wiring shall be directly connected to the permanent building wiring without a disconnecting switch other than as required for over-current protection.

Exceptions:

1. In dwelling units where there is no commercial power supply the carbon monoxide alarm may be solely battery operated.
2. In existing dwelling units a carbon monoxide alarm is permitted to be solely battery operated where repairs or alterations do not result in the removal of wall and ceiling finishes

or there is no access by means of attic, basement or crawl space.

R315.1.2 Interconnection. Where more than one carbon monoxide alarm is required to be installed within the dwelling unit or within a sleeping unit the alarm shall be interconnected in a manner that activation of one alarm shall activate all of the alarms in the individual unit.

Exception:

1. Interconnection is not required in existing dwelling units where repairs do not result in the removal of wall and ceiling finishes, there is no access by means of attic, basement or crawl space, and no previous method for interconnection existed.

R315.2 Where required in existing dwellings: Where a permit is required for alterations, repairs or additions exceeding one thousand dollars (\$1,000), existing dwellings or sleeping units that have attached garages or fuel-burning appliances shall be provided with a carbon monoxide alarm in accordance with Section R315.1. Carbon monoxide alarms shall only be required in the specific dwelling unit or sleeping unit for which the permit was obtained.

R315.3 Alarm requirements: Single- and multiple-station carbon monoxide alarms shall be listed as complying with the requirements of UL 2034. Carbon monoxide detectors shall be

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TAHOE OFFICE - 565 West Lake Blvd. / Tahoe City, California 956145 / (530) 581-6200 / Fax (530) 581-6204

Web Site Address: <http://www.placer.ca.gov>

Email: building@placer.ca.gov

listed as complying with the requirements of UL 2075. Carbon monoxide alarms and carbon monoxide detectors shall be installed in accordance with this code, the current edition of NFPA 720 "Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment" and the manufacturer's installation instructions. Other carbon monoxide alarm and detection devices as recognized in NFPA 720 are also acceptable.

Carbon monoxide alarms required by Sections R315.1 and R315.2 shall be installed in the following locations:

1. Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom(s).
2. On every level of a dwelling unit including basements.

R315.3.1 Multiple-purpose alarms: Carbon monoxide alarms combined with smoke alarms shall comply with Section R315, all applicable standards, and requirements for listing and approval by the Office of the State Fire Marshal, for smoke alarms.

The County of Placer Interpretation of 2010 CRC, Sections 314 & 315 for Smoke Alarms & Carbon Monoxide Alarms

Where alterations, repairs or additions exceeding \$1,000 in valuation, existing dwellings shall be retrofitted with smoke alarms and those that have attached garages or fuel-burning appliances shall have carbon monoxide alarms installed. Existing smoke alarms can be replaced with dual function alarms for Smoke *and* Carbon Monoxide and in most cases will comply with the aforementioned code requirements for Carbon Monoxide Alarms.

DECLARATION OF INSTALLATION UNDER THE PENALTY OF PERJURY

As Owner/Contractor, I/we affirm and declare under the penalty of perjury, under the laws of the State of California by our signatures below as Owner/Contractor, will comply prior to final inspection with Items A & B as specified herein:

- A. The Owner/Contractor have read and clearly understand the aforementioned 2010 California Residential Code (CRC) *Carbon Monoxide Alarm* requirements.
- B. The Owner/Contractor is responsible for installing Carbon Monoxide Alarms prior to final inspection as per the aforementioned building code and maintaining such installation. Smoke Alarms will also be installed prior to final inspection as per the 2010 CRC.

Owner's name (print): _____

Owner's signature: _____ Date: _____

Contractor's name (print): _____ CSLB License: _____

Contractor's signature: _____ Date: _____

Project Address: _____ Permit #: _____

Both Owner and Contractor shall complete this Declaration of Installation.

INSTALLATION CERTIFICATE		CF-6R-MECH-01
Domestic Hot Water (DHW)		(Page 1 of 2)
Site Address:	Enforcement Agency:	Permit Number:

1. WATER HEATING SYSTEMS:

Heater Type	CEC Certified Mfr Name & Model Number	Distribution Type (Std, Point-of-Use, etc)	If Recirculation, Control Type	# of Identical Systems	Rated Input (kW or Btu/hr) ¹	Tank Volume (gallons)	Efficiency (EF, RE) ¹	Standby Loss (%) ¹

*Note 1: For **small gas storage** (rated input less than or equal to 75,000 Btu/hr), **electric resistance** and **heat pump water heaters**, list Energy Factor (EF). For **large gas storage water heaters** (rated input of greater than 75,000 Btu/hr), list Recovery Efficiency (RE), Thermal Efficiency, Standby Loss and Rated Input. For **instantaneous gas water heaters**, list the Thermal Efficiency and Rated Input.*

2. Mandatory Measures

TO COMPLY - ALL BOXES MUST BE CHECKED

§110-§113: Water heaters, showerhead and faucets are certified by the California Energy Commission.

§150(j): Water System Pipe and Tank Insulation. And Cooling Line Insulation

1. Storage tank insulation

- A. Storage gas water heaters rated with an Energy Factor no greater than the federal minimal standard are externally wrapped with insulation having an installed thermal resistance of R-12 or greater; and
- B. Unfired storage tanks or other indirect hot water tanks have R-12 external insulation or R-16 internal insulation where the internal insulation R-value is indicated on the exterior of the tank.

2. Water piping and cooling system line insulation thickness and conductivity

- First 5 feet of hot and cold water pipes closest to water heater tank, non-recirculating systems, and entire length of recirculating sections of hot water pipes are insulated per Standards Table 150-B; and
- Pipe insulation for steam hydronic heating systems or hot water systems >15 psi, meets the requirements of Standards Table 123-A.
- Insulation is protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind.

§151(f)8D: If indicated on the CF-1R, all hot water piping that runs from the hot water source to the kitchen fixtures is insulated per Standards Table 150-B.

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3. Central Water Heating in Buildings with Multiple Dwelling Units (required for prescriptive)

TO COMPLY - ALL BOXES MUST BE CHECKED

- All hot water piping in main circulating loop is insulated to requirements of §150(j)
- Central hot water systems serving six or fewer dwelling units which have (1) less than 25' of distribution piping outdoors; (2) zero distribution piping underground; (3) no recirculation pump; and (4) insulation on distribution piping that meets the requirements of Section 150(j)
- Central hot water systems serving more than 6 dwelling units - presence of either a time control or a time/temperature control

DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).
- I certify that the installed features, materials, components, or manufactured devices identified on this certificate (the installation) conforms to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.
- I reviewed a copy of the Certificate of Compliance (CF-1R) form approved by the enforcement agency that identifies the specific requirements for the installation. I certify that the requirements detailed on the CF-1R that apply to the installation have been met.
- **I will ensure that a completed, signed copy of this Installation Certificate shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Installation Certificate is required to be included with the documentation the builder provides to the building owner at occupancy.**

Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)		
Responsible Person's Name:		Responsible Person's Signature:
CSLB License:	Date Signed:	Position With Company (Title):

Attach Permit Receipt Information To Be Verified By Inspector

MAINTAIN THIS INSPECTION RECORD FOR YOUR RECORDS

Visit our website at www.placer.ca.gov for additional permit or inspection information.

PLEASE READ ALL INFORMATION ON THIS DOCUMENT

To use the Building Inspection Request System, simply dial: for Auburn (530) 745-3020 or for Tahoe (530) 581-6205 and follow the simple instructions. Its available 24 hours a day, 7 days a week!

- A) A touch tone phone.
- B) A site-specific PID number.
- C) Inspection Code (see the panel at right for a complete list).

You will be prompted through the entire process. Press the [*] at any time for more information on how to use the system. To return to the previous menu at any time, press the [#] key.

Notice and Warning!! : This permit will expire on the date indicated on the affixed receipt. To avoid additional fees and/or interruption of your project, your permit must be extended or renewed prior to the expiration date. All extension requests shall be made in writing. Applications for permit extensions are available upon request. Do not cover any work until it has been inspected and approved. This field inspection report must be posted in a highly visible location. The job address must be clearly posted and visible from the street and/or on the front of the building. This field inspection report must be available for each inspection or the inspection will not be made. Inspections may be scheduled by phone 24 hours a day. Inspection request shall be made by 4pm the previous day. Permit fees are set to provide for a limited number of inspections. A re-inspection fee will be charged when a return trip is necessary due to, but not limited to the following: **1)** Work is not completely ready for the called inspection. **2)** Deficiencies found on the previous inspection not corrected, or new deficiencies were created. **3)** Lack of access to the work to be inspected. **4)** The previous correction notices, or this field inspection report are not on the job site. **5)** Job address is not posted visibly from the street at the job site.

SMOKE ALARMS

WHEN THE VALUATION OF AN ADDITION, ALTERATION OR REPAIR TO A RESIDENTIAL LIVING UNIT EXCEEDS \$1,000.00 AND A PERMIT IS REQUIRED, OR WHEN ONE OR MORE SLEEPING ROOMS ARE ADDED OR CREATED IN AN EXISTING RESIDENTIAL LIVING UNIT, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE CBC, SECTION 310.9.1, CRC 314 & COUNTY CODE 15.04.050.K. IT IS THE PERMIT HOLDER AND OWNER'S RESPONSIBILITY TO COMPLY.

CARBON MONOXIDE ALARMS REQUIRED

ALL PERMITS ISSUED AND ASSOCIATED WITH A RESIDENTIAL GROUP "R" DWELLING UNIT OR SLEEPING UNIT SHALL CONFORM TO THE 2010 CALIFORNIA RESIDENTIAL CODE REQUIREMENTS FOR CARBON MONOXIDE ALARMS (SECTION R315). PROVIDE COMPLETED DECLARATION OF INSTALLATION TO FIELD INSPECTOR.

ON-LINE PLACER COUNTY BUILDING INSPECTION APPROVAL RECORD

Water Heater Change-Out (C/O) RESIDENTIAL			
ITEM	INSPECTOR/ DATE	INSPECTION CODE	NOTES
WATER HEATER C/O		534	
INSPECTOR COMMENTS			
LIMITS OF THE SCOPE OF WORK & INSPECTION INFORMATION FOR CONTRACTOR			
<ol style="list-style-type: none"> 1. Seismic strapping is required. 2. Raised 18" if located in garage and if gas unit. 3. Protection bollard (if in front of vehicle path). 4. Relief valve and discharge pipe location, size, material and valve at cold water supply connection. 5. Combustion air is required if gas unit. 6. Drip pan required if located above ground floor level. 7. Gas supply piping and valve or hardwired electrical connection. 8. Insulation requirements shall apply. 9. Provide Declaration of Installation for Carbon Monoxide Alarms & Smoke Alarms to inspector by final Inspection. 10. Provide completed energy form CF-6R-MECH-01 to the inspector by final inspection 11. On-Line Placer County Building Inspection Approval Record. 12. Separate structures require separate permits. <p>REPAIR IN KIND (RIK), is defined as: "Repairs which use the same or similar materials in the same or similar location which comply with the currently adopted code. To be issued without plans, such repairs must be limited to 40 lineal feet of wall".</p>			

AUBURN AGENCY PHONE NUMBERS

Building Dept. (530) 745-3010
 Planning Dept. (530) 745-3000
 Engineering & Surveying (530) 745-3110
 Environmental Health (530) 745-2300
 Environmental Engineering (530) 745-4900
 Public Works (530) 745-7500
 Air Pollution (530) 745-2300

TAHOE AGENCY PHONE NUMBERS

Building Dept. (530) 581-6200
 Planning Dept. (530) 581-6280
 Environmental Health (530) 581-6240
 Engineering & Surveying (530) 581-6227
 Air Pollution (530) 745-2330