

**TOWN OF TRUCKEE BUILDING DIVISION
BATHROOM REMODEL
CODE REQUIREMENTS AND DOCUMENTATION**

10183 Truckee Airport Road Truckee, CA 96161
(530) 582-7820 FAX (530) 582-7889
Johnny Goetz, Chief Building Official

DATE:
BUILDING PERMIT:
ADDRESS:
APN:
YEAR ORIGINAL STRUCTURE BUILT:

TOWN DIVISION AND ALTERNATE AGENCY STATUS IS AS FOLLOWS:

<input type="checkbox"/> Approved	Date:	<input type="checkbox"/> Not Approved, see attached	Building and Safety Division (530) 582-7820
<input type="checkbox"/> Approved	Date:	<input type="checkbox"/> Not Applicable	Planning Division (530) 582-7820
		<input type="checkbox"/> Not Approved, see attached	
<input type="checkbox"/> Approved	Date:	<input type="checkbox"/> Not Approved	Nevada County Environmental Health (530) 265-1342
		<input type="checkbox"/> Not Applicable	

Effective for all permits applied for on or after January 1, 2014, all work shall comply with the 2013 editions of the California Building Code (C.B.C.), California Residential Code (C.R.C.), California Mechanical Code (C.M.C.), California Plumbing Code (C.P.C.), California Electrical Code (C.E.C.), California Energy Code (based upon the 2008 California Energy Efficiency Standards (Effective 01/01/10), California Green Building Standards Code (CALGreen) and Title 15 of the Town Municipal Code (T.M.C.), the 2012 Editions of the Uniform Swimming pool and Hot Tub Code and Solar Energy Code; the 1997 Editions of the Uniform Housing Code and Uniform Code for the Abatement of Dangerous Buildings.

These corrections and comments shall become part of the plans and shall be on the job site along with the approved plans, engineering, and energy calculations for all inspections. All items noted in this list shall be on the plans and are the responsibility of the architect, engineer, and contractor to see that they are complied with during the construction process.

I do hereby certify that this structure will not be occupied without a Certificate of Occupancy and that I have read these documents and will comply with them and all codes, Town Ordinances and State Laws adopted by the Town of Truckee.

Signature (Owner, Contractor, Agent)

Date

Applicant responsible to read and understand the attached code requirements. Inspector to verify in field. Please ask for additional clarification if requirements are not understood.

The following code items are frequently overlooked during the construction process. Compliance with these requirements is the responsibility of the owner/contractor during the construction process. This list is only a partial list of the codes, ordinances, and state laws used and/or adopted by the Town. Please be aware that the Building Inspectors will be using this list and all codes, ordinances, and state laws to perform their inspections. **If there are errors or a lack of information or details for construction and code compliance, additional engineering, details, documentation, and fees may be required by Building Inspectors during construction or at the time of inspection(s).**

- 1 The Owner, Contractor, or Applicant is responsible for all design, codes, laws, ordinances, compliance and life safety for permitted work to be performed. Inspection when work begins is required the first day of construction. Please call for inspection the day before.
- 2 Per SB407, effective January 1, 2014, alterations or improvements to single-family residences which were originally finalized prior to 01/01/94, shall include the replacement of all noncompliant plumbing fixtures with water-conserving plumbing fixtures. *(Water closets (toilets) shall be 1.6 gallons or less per flush; Urinals shall be 1 gallon less per flush; single showerhead shall have a maximum flow rate of 2.5 gallons or less per minute; Any interior faucet shall emit 2.2 or less gallons of water per minute)(If project is subject to California Green Building Code, these values shall meet that code).* (See attached).
- 3 When the value of additions, alterations or repairs exceeds \$1000, existing dwellings or sleeping units that have attached garages or fuel-burning appliances shall be provided with a carbon monoxide alarm. (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.). Carbon monoxide alarms shall be installed outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom(s) and on every level of a dwelling unit including basements. Single and multiple station carbon monoxide alarms shall be listed as complying with the requirements of UL 2034. Carbon monoxide detectors shall be 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 and manufacturer's specifications. Other carbon monoxide alarm and detection devices as recognized in NFPA 720 are also acceptable. CRC R315.
- 4 When additions, alterations or repairs to a Group R occupancy exceed \$1000 and a permit is required, or when one or more sleeping rooms are added or created in existing Group R occupancies, smoke detectors shall be installed in accordance with CRC R314.3.1 (one in every sleeping room; outside each separate sleeping area in the immediate vicinity of the bedroom(s); on each additional story of the dwelling, including basements and habitable attics but not including crawl spaces and uninhabitable attics. (To the extent practicable, alarms shall be hardwired and interconnected with existing). CRC314.4, exc. 3.
- 5 Carbon monoxide alarms combined with smoke alarms shall comply with CRC R315, all applicable standards, and requirements for listing and approval by the Office of the

State Fire Marshall, for smoke alarms.

- 6 Water supply piping shall be protected from freezing by a minimum of 36" of earth covering. If installed in exterior walls, install to the inside surface and insulate on the unheated side of the pipes with material of equivalent r-value of wall insulation as considered/required in energy analysis. Water piping shall not be installed or concealed in unheated walls, ceiling and attics. CPC 313.13. Water supply system, including hot and cold, shall be designed and installed for winterization and freeze protection, such as allowing for routine drainage of the system to prevent freezing. The water supply shall be equipped with a readily accessible shut off valve. Valve(s) and/or drain port(s) when used shall be readily accessible, insulated for protection from freezing, and shall be protected from the potential for back flow. All water piping shall be graded to drain. Plastic materials for water service piping outside underground shall have a blue insulated copper tracer wire or other approved conductor installed adjacent to the piping. The tracer wire size shall be not less than 18 AWG and the insulation type shall be suitable for direct burial. Waterline to be inspected before covering. PE pipe is prohibited if more than 5' inside the foundation. CPC 604.9, exception.
- 7 Habitable space, hallways, bathrooms, toilet rooms, laundry rooms and portions of basements containing these spaces shall have a ceiling height of not less than 7 feet. For rooms with sloped ceilings, at least 50 percent of the required floor area of the room must have a ceiling height of at least 7 feet and no portion of the required floor area may have a ceiling height of less than 5 feet. Bathrooms shall have a minimum ceiling height of 6 feet 8 inches at the center of the front clearance area for fixtures. The ceiling height above fixtures shall be such that the fixture is capable of being used for its intended purpose. A shower or tub equipped with a showerhead shall have a minimum ceiling height of 6 feet 8 inches above a minimum area 30" x 30" at the showerhead. CRC R305.1.
- 8 Lighting in bathrooms shall provide at least one luminaire to be high efficacy. All other luminaires in a bathroom must be either high efficacy, or controlled by vacancy sensors. Mandatory Measures of 2013 Energy Efficiency Standards Section 150.0(k)5. (See *Lighting notes below for additional information*)
- 9 Exhaust fans shall be switched separately from lighting systems. Lighting integral to an exhaust fan may be on the same switch as the fan provided the lighting can be switched OFF while allowing the fan to continue to operate for an extended period of time. Lighting integral to exhaust fan shall be high efficacy or switched by a vacancy sensor. Mandatory Measures of 2013 Energy Efficiency Standards Section (150.0(k)1 and 2)
- 10 All lighting fixtures recessed into insulated ceilings must be approved for zero-clearance insulation cover (I.C) They shall be certified and labeled as air tight (AT) and shall be sealed with a gasket or caulk between the housing and ceiling. Mandatory Measures 2013 Energy Standards 150(k)8.
- 11 GFCI protection is required for receptacles installed in bathrooms, garages, outdoors (w/ 6'6" of grade), *kitchens* (all outlets serving the countertop spaces), w/ 6' of wetbar sinks, laundry and utility sinks (where outlets are installed within 6; of the edge of the sink), on construction power pole, in crawl spaces at or below grade level, in unfinished basements, grade level portions of unfinished accessory buildings used for storage or work areas. CEC Section 210-8. At least one wall receptacle outlet shall

(code
change)

(code
change)

be installed adjacent to each basin location (i.e. 2 sinks, 2 outlets, if installed at each end of the counter space or a single outlet may be installed between the 2 sinks.) CEC 210-52(D).

- 12 Rooms containing bathtubs, showers, spas and similar bathing fixtures shall be mechanically ventilated. CRC R303.3.1; CBC 1203.4.2.1. A mechanical ventilating system connected directly to the outside shall be provided with the point of discharge at least 3' from any opening that allows air entry into occupied parts of the buildings. CMC 504.5. (*CALGREEN (humidistat) applies only if alteration increases the volume or area of conditioned space*)
- 13 Water closet stool shall be located minimum 15" from its center to any side wall or obstruction (minimum 30" clear space in width) and have a clear space in front of the water closet stool not less than 24" CPC 407.6. Water closets installed on or after July 1, 2011 shall have an effective flush volume not to exceed 1.28 gallons per flush CPC 403.2.1
- 14 All shower compartments, regardless of shape, shall have a minimum finished interior of one thousand twenty-four (1024) square inches and shall also be capable of encompassing a 30" circle. This measurement shall be maintained to a point 70" above the shower drain. CPC 411.7.
Shower compartments and walls above bathtubs with installed shower heads shall be finished with a smooth, nonabsorbent surface to a height not less than 6 feet above the drain inlet. CRC R307.2; CBC 1210.3.
- 15 (If proposed work (addition or alteration) increases the building's conditioned area, volume or size, the project shall comply with the following: When single shower fixtures are served by more than one showerhead, the combined flow rate of all the showerheads shall not exceed the maximum flow rate of 2.0 GPM @ 80 psi. Or the shower shall be designed to only allow one showerhead to be in operation at a time. CALGREEN 4.303.1.3; Table 4.303.1.
- 16 Showers and tub-shower combinations shall be provided with individual control valves of the pressure balance or the thermostatic mixing valve type, conforming to ASSE1016 (to resist thermal shock). Handle position stops shall be provided on such valves and shall be adjusted per manufacturer's instructions to deliver a maximum mixed water setting of 120°F (49°C). The water heater thermostat shall not be considered a suitable control for meeting this provisions. CPC 418. (ASSE 1016 listed valves provide the user with both scald protection and thermal shock protection).
- 17 The maximum hot water temperature discharging from the bathtub and whirlpool bathtub filler shall be limited to 120°F (to resist scald. The water heater thermostat shall not be considered a control for meeting this provision. CPC 414.5 (The device(s) used shall be ASSE 1070-2004 compliant and shall be installed at all applicable fixtures). (*ASSE1070 valves provide scald protection only*)
- 18 Receptacles that provide power for a spa, hot tub or hydromassage bathtub shall be ground-fault circuit interrupter protected. Electrical lighting fixtures and outlets in area of spas and hot tubs shall comply with CEC Article 680.
- 19 Provide a dedicated 20-amp circuit to serve the required bathroom outlets. This circuit cannot supply any other receptacles, lights, fans, etc. CEC Section 210-11(C)(3).

- 20 Proposed alteration shall comply with the Mandatory and Prescriptive requirements of the 2013 Energy Standards. The appropriately completed installation certificates (C2R forms as applicable) shall be forwarded to the field inspector at or prior to the final inspection. 2013 Standards. (For a typical bathroom remodel, pages 1, 2, 3, 6 and 15 are attached). Complete all applicable sections based upon the work performed. All pages of the CF-2R-ALT, including user instructions, can be located at:
http://www.energy.ca.gov/title24/2013standards/res_compliance_forms/Alterations_and_Additions_Paper_Forms/CF2R-ALT-05-E.pdf
- 21 Per Town Municipal Code Section 7.06.030, any proposed construction in excess of \$5000 value requires the removal and/or replacement of any existing non-compliant solid fuel burning appliances. Indicate if existing solid fuel burning appliances or EPA Phase II certified, or amend scope of work to include its removal/replacement. Refer to manufacturer's specifications for hearth requirements.
- (code change) 22 **Please Note: Fenestration** separating conditioned space from unconditioned space or outdoors shall meet the requirements of either 1) Fenestration, including skylight products, must have a maximum U-factor of 0.58; or the weighted average U-factor of all fenestration, including skylight products, shall not exceed 0.58. (Exemption: Up to 10 square feet of fenestration area or 0.5 percent of the CFA, whichever is greater, is exempt from the maximum U-factor requirement. *(This shall be documented on page 6 of the C2R-ALT-05-E form as provided with this documentation).*)

If a new water heater is proposed with the bathroom remodel, compliance with the following Mandatory Measures of the 2013 Energy Standards is required and compliance shall be documented on pages 8 and 9 of CF2R-ALT-05-E, (which can be located at link noted in comment 20 above).

- (code change) 23 In order to facilitate future installations of high efficiency equipment, the Mandatory Measures require **water heating systems** using gas or propane, serving individual dwelling unit shall include: A 120V electrical receptacle that is within 3 feet from the water heater and accessible to the water heater with no obstructions; and A proper vent with straight pipe between the outside termination and the space where the water heater is installed; and A condensate drain that is no more than 2" higher than the base of installed water heater, and allows natural draining without pump assistance, and A gas supply line with a capacity of at least 200,000 Btu/hr. 2013 Energy Efficiency Standards Section 150.0(o).
- (code change) 24 Storage gas water heaters with energy factor equal to or less than the federal minimum standard [20-55 gal: 0.67 (0.675 after 4/16/15); 55-100 gal: .0.67 (0.8912 after 4/16/15)] shall be externally wrapped with R-12 or greater insulation. Unfired hot water tanks, shall be externally wrapped with R-12 or greater insulation, or have internal insulation of at least R-16 and a label on the exterior of the tank showing the insulation R-value. (150.0(j)(1)).
- (code change) 25 **Water piping** and cooling system lines **shall be insulated** as follows: The first 5' of hot and cold water pipes from the storage tank; all piping with a nominal diameter of $\frac{3}{4}$ " or larger; all piping associate with a domestic hot water recirculation system, regardless of the pipe diameter; piping from the heating source to storage tank or between tanks; piping buried below grade; all hot water pipes from the heating source to the kitchen sink and dishwasher. 150.0(j)(2). (Underground Piping: All piping below grade must be installed in a waterproof and non-crushable casing or sleeve that allows for installation, removal and replacement of the enclosed pipe and insulation. The internal cross-section or diameter of the casing or sleeve shall be large enough to

allow for insulation of the hot water piping. Piping below grade that serves any island sinks or other island fixtures or appliances may be insulated with 1/2" wall thickness insulation.); Pipe insulation may be omitted where hot water distribution piping is buried within attic, crawlspace or wall insulation. In attics and crawlspaces the insulation shall completely surround the pipe with at least 1" of insulation. If burial within the insulation does not meet these specifications, then this exception does not apply, and the section of pipe not meeting the specification must be insulated.

***LIGHTING:** The lighting revisions as required by the Mandatory Measures of the 2013 Energy Standards have been incorporated into the electrical comments listed above. It is important that fixtures are described fully in the specifications. The specifications should be clear and complete so that contractors and installers understand what is required to comply with the standards.

LED Fixtures: To qualify as high efficacy for compliance with the residential lighting Standards, a residential LED luminaire (fixture) shall be certified to the Energy Commission. The database and certification instructions are available at: www.energy.ca.gov/appliances/database/index.html and www.energy.ca.gov/appliances/forms/

LED lighting not certified to the Energy Commission shall be classified as low efficacy. (110.9(e). Retrofit of a low efficacy fixture to LED bulbs is still considered a low efficacy fixture and wattage shall be calculated on wattage of fixture, not LED bulb installed.

Adaptors which convert an incandescent lamp holder to a high-efficacy lamp holder shall not be used to classify a luminaire as high efficacy, even if the manufacturer declares that such adaptors as permanent.(T-150.0-A)

High Efficacy Light Sources: 1). Pin based linear or compact fluorescent lamps with electronic ballasts. Compact fluorescent lamps \geq 13 watts shall have 4 pins for compliance with the electronic ballast requirements in Section 150.0(k)1D. 2) Pulse-start metal halide lamp. 3) High pressure sodium lamps. 4) GU-24 sockets rated for LED lamps. 5) GU-24 socket rated for compact fluorescent lamps. 6) Luminaires using LED light sources which have been certified to the Commission as high efficacy (per JA8). 7) Luminaire housings rated by the manufacturer for use with only LED light engines. 8) Induction lamps.

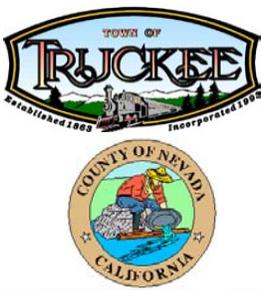
(See T-10.0-B for minimum requirements for other light sources to qualify as high efficacy).

Vacancy Sensors: Manual-on/automatic-off occupant sensors, automatically turn lights "OFF" if an occupant forgets to turn them off when a room is unoccupied; The vacancy sensor shall allow the occupant to manually turn the lights "OFF" when leaving the room, and "OFF" while still occupying a room, and "On" when entering the room. Vacancy sensors shall be certified to the Energy Commission, Title 20 Appliance Efficiency Regulations before they can be sold or offered for sale in California.

Dimmers: Switching device which varies the luminous flux of the electric lighting system by changing the power delivered to that lighting system. Dimmers shall meet all requirements for Dimmer Control devices in the Title 20 Appliance Efficiency Regulations

Outdoor Lighting: Shall be high efficacy fixtures. **OR...** Shall be controlled by a manual "ON" and "OFF" switch that does not override to ON the other automatic functions; **AND** shall be controlled by a motion sensor not having an override or bypass switch that disables the motion sensor, or controlled by a motion sensor having a temporary override switch which temporarily by passes the motion sensing function and automatically reactivates the motion sensor with 6 hours **AND** Photocontrol not having an override or bypass switch that disables the photocontrol; (for option other than photocontrol, see 150.0(k)9)

Recessed Luminaires in Insulated Ceilings: Shall be listed for zero clearance insulation contact by UL or nationally recognized testing laboratory; and Have a label that certifies that the luminaire is airtight with air leakage less than 2.0 CFM at 75 Pascal's when tested in accordance with ASTM E283 (An exhaust fan housing shall not be required to be certified airtight).; and Be sealed with a gasket or caulk between the luminaire housing and ceiling, and shall have all air leak paths between conditioned and unconditioned spaces sealed with a gasket or caulk; (An exhaust fan shall be sealed with a gasket or caulk between the exhaust fan housing and ceiling); and For recessed luminaires with ballasts to qualify as high efficacy , the ballasts shall be certified to the Commission to comply; and Allow ballast maintenance and replacement to be readily accessible to building occupants from below the ceiling without requiring the cutting of holes in the ceiling.



Town of Truckee Building & Safety
10183 Truckee Airport Road
Truckee, CA 96161
(530) 582-7820
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Nevada County Building Department
950 Maidu Avenue
Nevada City, CA 95959
(530) 265-1222
www.mynevadacounty.com

"Partnering to Improve Consistency & Customer Service"

AFFIDAVIT – SELF CERTIFICATION OF INSTALLATION OF SMOKE/CARBON MONOXIDE ALARMS

FOR COMPLIANCE WITH SECTIONS R314, 907.2.11.2 AND 420.4 OF THE CALIFORNIA BUILDING AND CALIFORNIA RESIDENTIAL CODES WHERE NO INTERIOR ACCESS FOR INSPECTION IS REQUIRED

PERMIT# _____
PROPERTY ADDRESS: _____
PROPERTY OWNER'S NAME: _____
NUMBER OF ALARMS INSTALLED: SMOKE: _____ CARBON MONOXIDE: _____

Existing single-family dwellings shall be provided with Carbon Monoxide alarms no later than July 1, 2011.

When the valuation of additions, alterations, or repairs to existing dwelling units exceeds \$1,000, Sections R314, 907.2.11.5 and 420.6 of the California Building and California Residential Codes require that Smoke Alarms and/or Carbon Monoxide Alarms be installed in the following locations:

1. Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom(s).
 - Smoke Alarms and Carbon Monoxide Alarm required
2. On every level of a dwelling unit including basements.
 - Smoke Alarm and Carbon Monoxide Alarm required
3. Within each sleeping room.
 - Smoke Alarm required

Carbon Monoxide alarms are not required in dwellings which do not contain fuel-burning appliances and that do not have an attached garage.

Multi-Purpose Alarms: Carbon Monoxide alarms combined with smoke alarms shall comply with Section 420.6 of the California Building Code and shall be approved by the Office of the State Fire Marshall.

Power Supply: In dwelling units with no commercial power supply, alarm(s) may be solely battery operated. In existing dwelling units, alarms are 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. See Sections R314, 907.2.11.5 and 420.6 of the California Building and California Residential Codes. An electrical permit is required for alarms which must be connected to the building wiring.

As owner/contractor of the above-referenced property, I/we affirm and declare that the alarm(s) referenced above has/have been installed in accordance with the manufacturer's instructions and in compliance with the California Building and California Residential Codes. The alarms have been tested and are operational.

Print Owner's Name: _____ Date: _____

Owner's Signature: _____

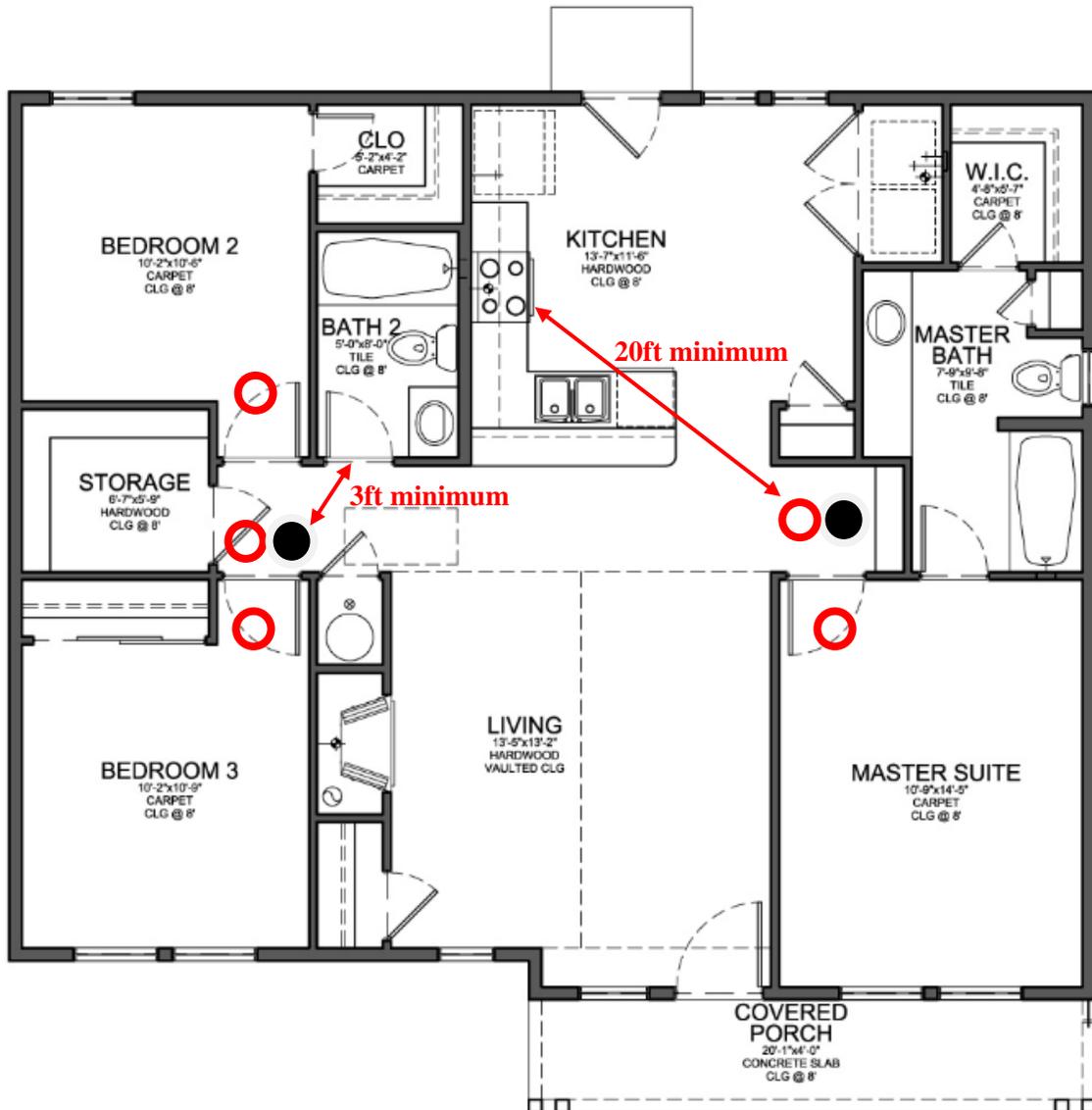
Print Contractor's Name: _____ Date: _____

Contractor's Signature: _____ Contractor License Number: _____

The property owner and contractor shall sign the affidavit for the document to be accepted

(See Back of Page for Placement Diagram)

Required Locations of Smoke/Carbon Monoxide Detectors



○ = Smoke Detector

● = Carbon Monoxide Detector

(Combination Smoke/Carbon Monoxide detectors are recommended)

Placement Considerations:

- Remember that every level including basements also requires both carbon monoxide and smoke detectors
- Smoke detectors shall have a minimum **10-year** rated battery (*effective July 1, 2014*)
- Detectors shall be located a minimum of **20ft away** from cooking appliances
- Detectors shall be located **three (3) feet away** from openings into bathrooms, mechanical supply/return registers and ceiling fans

STATE OF CALIFORNIA
Prescriptive Residential Alterations That Do Not Require HERS Field Verification

CALIFORNIA ENERGY COMMISSION



CEC-CF2R-ALT-05-E (Revised 06/14)
CERTIFICATE OF INSTALLATION

CF2R-ALT-05-E

Prescriptive Residential Alterations That Do Not Require HERS Field Verification

(Page 1 of 15)

Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City	Zip Code

This compliance document is only applicable to simple alterations that do not require HERS verification for compliance. When HERS verification is required, a CF1R-ALT-01 shall first be registered with a HERS Provider Data Registry.

Alterations to Space Conditioning Systems that are exempt from HERS verification requirements may use the CF1R-ALT-05 and CF2R-ALT-05 Compliance Documents. Possible exemptions from duct leakage testing include: less than 40 ft of ducts were added or replaced; or the existing duct system was insulated with asbestos; or the existing duct system was previously tested and passed by a HERS Rater. If space conditioning systems are altered and are not exempt from HERS verification, then a CF1R-ALT-02 must be completed and registered with a HERS Provider Data Registry.

Alterations that utilize close Cell Spray Polyurethane Foam (ccSPF) with a density of 1.5 to less than 2.5 pounds per cubic foot having an R-value other than 5.8 per inch, or Open Cell Spray Polyurethane Foam (ocSPF) with a density of 0.4 to less than 1.5 pounds per cubic foot having an R-value of 3.6 per inch, shall complete and register a CF1R-ALT-01 with a HERS Provider Data Registry.

If more than one person has responsibility for installation of the items on this certificate, each person shall prepare and sign a certificate applicable to the portion of construction for which they are responsible. Alternatively, the person with chief responsibility for construction shall prepare and sign this certificate for the entire construction. All applicable Mandatory Measures shall be met. Temporary labels shall not be removed before verification by the building inspector.

A. GENERAL INFORMATION

01	Project Name:	02	Date Prepared:
03	Project Location:	04	Building Front Orientation (deg):
05	CA City:	06	Number of Dwelling Units with Additions:
07	Zip Code:	08	Fuel Type:
09	Climate Zone:	10	Total Conditioned Floor Area (ft ²) (Addition):
11	Building Type	12	Slab Area (ft ²):
13	Project Scope:		

STATE OF CALIFORNIA
Prescriptive Residential Alterations That Do Not Require HERS Field Verification
 CEC-CF2R-ALT-05-E (Revised 06/14)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF INSTALLATION

CF2R-ALT-05-E

Prescriptive Residential Alterations That Do Not Require HERS Field Verification

(Page 2 of 15)

Project Name:	Enforcement Agency:
Dwelling Address:	CITY
	Permit Number:
	Zip Code

Insulation

The altered components shall comply with all applicable requirements in The Energy Efficiency Standards Sections 110.7, 110.8, 150.0. All joints, penetrations and other openings in the building envelope that are potential sources of air leakage shall be caulked, gasketed, weather stripped, or otherwise sealed to limit infiltration and exfiltration.

B. ROOF/CEILING INSULATION

01	02	03	04	05	06	07	08	09	10
I.D.	Manufacturer & Brand	Framing Material	Framing Size & Spacing	Insulation Type	ESR Number	Cavity Insulation R-value	Insulation Depth (inches)	Above Deck Insulation R-value	Below Deck Insulation R-value

C. WALL INSULATION

01	02	03	04	05	06	07	08	09	10
I.D.	Manufacturer & Brand	Framing Material	Framing Size & Spacing	Insulation Type	ESR Number	Cavity Insulation R-value	Insulation Depth (inches)	Exterior Wall Insulation R-value	Interior Wall Insulation R-value

D. MASS INSULATION

01	02	03	04	05	06	07	08
I.D.	Manufacturer & Brand	Location	Mass Thickness (inches)	Furring Strip Type/ Depth (inches)	Insulation Type	Exterior Insulation R-value	Interior Insulation R-value

STATE OF CALIFORNIA
Prescriptive Residential Alterations That Do Not Require HERS Field Verification
 CEC-CF2R-ALT-05-E (Revised 06/14)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF INSTALLATION

CF2R-ALT-05-E

Prescriptive Residential Alterations That Do Not Require HERS Field Verification

(Page 3 of 15)

Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

E. RAISED FLOOR INSULATION

01	02	03	04	05	06	07	08	09	10
I.D.	Manufacturer & Brand	Framing Material	Framing Size & Spacing	Insulation Type	ESR Number	Cavity Insulation R-value	Insulation Depth (inches)	Exterior Floor Insulation R-value	Interior Floor Insulation R-value

F. SLAB FLOOR/PERIMETER INSULATION

01	02	03	04	05	06	07	08
I.D.	Manufacturer & Brand	Floor Type	Insulation Type	Insulation Depth (inches)	Insulation R-Value	Vertical Insulation Length (inches)	Horizontal Insulation Length (feet)

STATE OF CALIFORNIA
Prescriptive Residential Alterations That Do Not Require HERS Field Verification
 CECC-FR-ALT-05-E (Revised 06/14)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF INSTALLATION

Prescriptive Residential Alterations That Do Not Require HERS Field Verification

CF2R-ALT-05-E
 (Page 15 of 15)

Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Installation documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Installation is true and correct.
- I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
- The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
- I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
- I will ensure that a registered copy of this Certificate of Installation 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 registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone	Date Signed:

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300.



SENATE BILL 407
INSTALLATION OF WATER USE EFFICIENCY IMPROVEMENTS
FOR SINGLE FAMILY RESIDENTIAL PROPERTIES

Senate Bill 407 (SB 407) was signed into law in 2009 and its provisions became effective on January 1, 2014. Based on SB 407 and current building codes, on and after January 1, 2014, for all building alterations or improvements to single-family residential real property, as a condition for issuance of a certificate of final completion and occupancy or final permit approval by the local building department (not based upon date that permit was issued) the permit applicant shall replace all noncompliant plumbing fixtures with water-conserving plumbing fixtures. Alterations and improvements are interpreted to mean any construction to an existing structure which enhance or improve the structure.

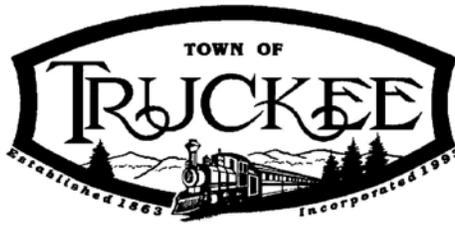
Water-Conserving Plumbing Fixtures Required to Comply with Current (CPC) Code <i>(Please note if your project requires compliance with CA Green Building Code (CGBC), the fixtures within the addition or alteration shall meet the flow rates of the CGBC and the change out of the existing fixtures only need to meet the values below)</i>
Water closets (toilets) shall be manufactured to be 1.6 gallons or less per flush
Urinals shall be manufactured to be 1 gallon or less per flush
Showerhead shall be manufactured to have flow capacity of 2.5 gallons or less per minute
Any interior faucet shall emit 2.2 or less gallons of water per minute

Exemptions allowed for (a) Registered historical sites; (b) Real property for which a licensed plumber certifies that, due to the age or configuration of the property or its plumbing, installation of water-conserving plumbing fixtures is not technically feasible; (c) A building for which water service is permanently disconnected.

Construction related to repairs or maintenance of the structure is not considered to be an alteration or improvement. Therefore, SB 407 only applies to permitted additions, alterations and improvements. Additionally, permits can be pulled for property maintenance and repairs without triggering the SB 407 requirements. Below is a list of permits that are considered to be repair or maintenance.

PERMITTED REPAIRS THAT WILL NOT TRIGGER SB 407	
<i>Electrical Service Change Out</i>	<i>HVAC or Water Heater Change Out</i>
<i>Re-Roof; Siding or Stucco; Window Replacement</i>	<i>Sewer or Water Line Replacement; Site Work</i>
<i>Gas Lines, Gas Meters or Gas Conversion</i>	<i>Woodstove, Pellet Stove, Gas Fireplaces; Exterior Hot Tub</i>
<i>Retaining Walls, Fences, Walk Ways, Decks.</i>	<i>Detached Garages; Accessory Structures or Sheds</i>
<i>Roof Mount and/or Ground Mount Solar</i>	<i>Electrical Vehicle Charging Stations</i>
<i>Seismic Retro-fit; Foundation Repair; Chimney Repair</i>	<i>Other Repairs as Determined by the Building Official</i>

In addition, SB 407 requires, on or before January 1, 2017, that all noncompliant plumbing fixtures in any single family residential real property shall be replaced by the property owner with water conserving plumbing fixtures. On and after January 1, 2017, a seller or transferor of single-family residential property shall disclose in writing to the prospective purchaser or transferee this requirement and whether the real property includes any noncompliant plumbing fixtures.



**SENATE BILL 407
 INSTALLATION OF WATER USE EFFICIENCY IMPROVEMENTS
 FOR MULTIFAMILY RESIDENTIAL AND COMMERCIAL PROPERTY**

On and after January 1, 2014, all noncompliant plumbing fixtures in any multifamily residential real property and any commercial real property shall be replaced with water conserving plumbing fixtures (see *table on reverse side of this document for compliant fixtures*) as a condition for issuance of a certificate of final completion and occupancy or final permit approval in the following circumstances:

- A) For building additions in which the sum of concurrent building permits by the same permit applicant would increase the floor area of the space in a building by more than 10 percent, the building permit applicant shall replace all noncompliant plumbing fixtures in the building.
- B) For building alterations or improvements in which the total construction cost estimated in the building permit is greater than one hundred fifty thousand dollars (\$150,000), the building permit applicant shall replace all noncompliant plumbing fixtures that service the specific area of the improvement.
- C) Notwithstanding the above items (A) or (B), for any alterations or improvements to a room in a building that require a building permit and that room contains any noncompliant plumbing fixtures, the building permit applicant shall replace all noncompliant plumbing fixtures in that room.

Exemptions allowed for (a) Registered historical sites; (b) Real property for which a licensed plumber certifies that, due to the age or configuration of the property or its plumbing, installation of water-conserving plumbing fixtures is not technically feasible; (c) A building for which water service is permanently disconnected.

Construction related to repairs or maintenance of the structure is not considered to be an alteration or improvement. Therefore, SB 407 only applies to permitted additions, alterations and improvements. Additionally, permits can be pulled for property maintenance and repair without triggering the SB 407 requirements. Below is a list of permits that are considered to be repair or maintenance.

PERMITTED REPAIRS THAT WILL NOT TRIGGER SB 407	
<i>Electrical Service Change Out</i>	<i>HVAC or Water Heater Change Out</i>
<i>Re-Roof, Siding or Stucco; Window Replacement</i>	<i>Sewer or Water Line Replacement; Site Work</i>
<i>Gas Lines, Gas Meters or Gas Conversion</i>	<i>Woodstove, Pellet Stove, Gas Fireplaces</i>
<i>Retaining Walls, Fences, Walk Ways, Decks</i>	<i>Electrical Vehicle Charging Station</i>
<i>Roof Mount and/or Ground Mount Solar</i>	<i>Building or Monument Signs</i>
<i>Seismic Retro-fit; Foundation Repair; Chimney Repair</i>	<i>Other Repairs as Determined by the Building Official</i>

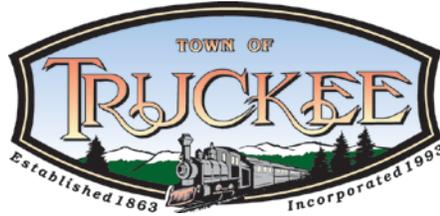
In addition, SB 407, on and after January 1, 2019, requires a seller or transferor of multifamily residential real property or of commercial real property to disclose the above to the prospective purchaser or transferee, in writing, and whether the property includes any noncompliant plumbing fixtures. This disclosure may be included in other transactional documents.

Town Council

Patrick Flora, Mayor

Alicia Barr, Vice Mayor

Dr. Mark Brown D.C., Council Member
Joan deRyk Jones, Council Member
Carolyn Wallace Dee, Council Member



Department Heads

Tony Lashbrook, Town Manager
Andy Morris, Town Attorney
Adam McGill, Chief of Police
John McLaughlin, Community Development Director
Kim Szczurek, Administrative Services Director
Judy Price, Town Clerk
Alex Terrazas, Assistant Town Manager
Daniel Wilkins, Public Works Director/Town Engineer

PERMIT CANNOT BE FINALED AND COMPLETED UNTIL THIS CERTIFICATE HAS BEEN SIGNED AND RETURNED TO THE BUILDING DIVISION

**Water-Conserving Plumbing Fixtures
Certificate of Compliance by Property Owner**

Owner Name _____ Permit No. _____

Address _____

Please refer to the attached California Civil Code Sections 1101.1 – 1101.8 which are part of this Certification form.

1. Is your real property a registered historical site?

Yes. Civil Code Sections 1101.1-1101.8 do not apply. Sign below and skip the rest of the form.

Owner's Signature _____ Date _____

No. Go to Question 2.

2. Does your real property have a licensed plumber certifying that, due to the age or configuration of the property or its plumbing, installation of water-conserving plumbing fixtures is not technically feasible?

Yes. Civil Code Sections 1101.1-1101.8 do not apply.
 The licensed plumber's certification has been provided to the Building Division.

Sign below and skip the rest of the form.

Owner's Signature _____ Date _____

No. Go to Question 3.

Tahoe/Truckee



10183 Truckee Airport Road, Truckee, CA 96161-3306

www.townoftruckee.com

Administration: 530-582-7700 / Fax: 530-582-7710 / email: truckee@townoftruckee.com

Community Development: 530-582-7820 / Fax: 530-582-7889 / email: cdd@townoftruckee.com

Animal Services/Vehicle Abatement: 530-582-7830 / Fax: 530-582-7889 / email: animalservices@townoftruckee.com

Police Department: 530-550-2328 / Fax: 530-550-2326 / email: policedepartment@townoftruckee.com

Printed on recycled paper.

3. Is water service permanently disconnected for your building?

Yes. Civil Code Sections 1101.1-1101.8 do not apply. Sign below and skip the rest of the form.

Owner's Signature _____ Date _____

No. Go to Question 4.

4. Is your real property built and available for use or occupancy on or before January 1, 1994?

No. My real property is built and was available for use or occupancy after January 1, 1994. Civil Code Sections 1101.1-1101.8 do not apply. Sign below and skip the rest of the form.

Owner's Signature _____ Date _____

Yes. My real property is built and available for use or occupancy on or before January 1, 1994. Civil Code Sections 1101.1 through 1101.8 apply. Refer to the attached.

My property is a *single-family residential* real property. See Civil Code Section 1101.4. On and after January 1, 2014, building alterations or improvements trigger a requirement that all non-compliant plumbing fixtures be replaced with water-conserving plumbing fixtures throughout the building. On or before January 1, 2017, all non-compliant plumbing fixtures must be replaced with water-conserving plumbing fixtures (regardless of whether the property undergoes alterations or improvements).

My property is a *multifamily residential* real property. See Civil Code Section 1101.5. On and after January 1, 2014, specified building alterations or improvements trigger a requirement that non-compliant plumbing fixtures be replaced with water-conserving plumbing fixtures. On or before January 1, 2019, all non-compliant plumbing fixtures must be replaced with water-conserving plumbing fixtures throughout the building (regardless of whether the property undergoes alterations or improvements).

My property is a *commercial* real property. See Civil Code Section 1101.5. On and after January 1, 2014, specified building alterations or improvements trigger a requirement that non-compliant plumbing fixtures be replaced with water-conserving plumbing fixtures. On or before January 1, 2019, all non-compliant plumbing fixtures must be replaced with water-conserving plumbing fixtures throughout the building (regardless of whether the property undergoes alterations or improvements).

I/We, the owner(s) of this property, certify under penalty of perjury that non-compliant plumbing fixtures have been replaced with water-conserving plumbing fixtures in accordance with Civil Code Sections 1101.1-1101.8, the current California Plumbing Code and California Green Building Standards Code, and manufacturer's installation requirements.

Owner's Signature _____ Date _____