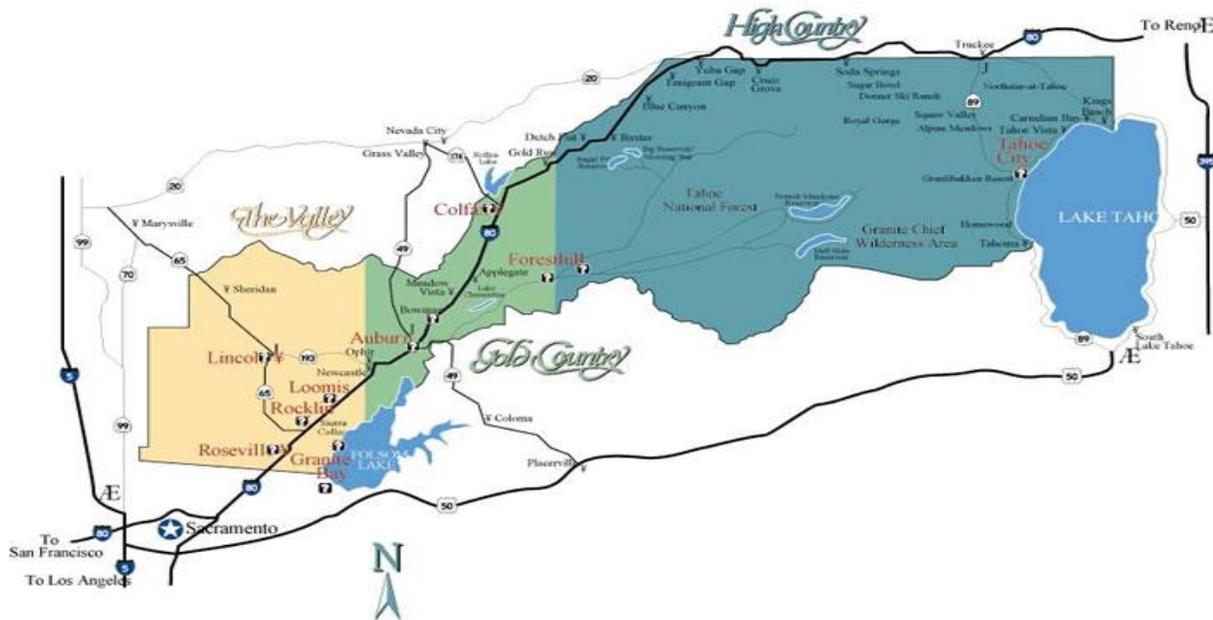




FIRE RETARDANT ROOFING

CBC 7A & CRC 327.5

1. Effective April 6, 2007 all areas of the unincorporated portion of Placer County are designated as VERY HIGH FIRE HAZARD SEVERITY ZONE.
2. All new construction in the VERY HIGH FIRE HAZARD SEVERITY ZONE, including additions, requires a minimum "Class A" roof covering. Re-roofing in excess of 50% of the existing structure within any one-year period shall comply with the provisions of the current regulations.
3. Spaced roof sheathing is permitted when installed in accordance with CBC §1507 & Tables 23-II-D-1, 23-II-D-2, 23-II-E-1 & 23-II-E-2 and CRC R803, when the design roof live load or snow load is less than 30 PSF, and spaced roof sheathing is not otherwise prohibited by the required listing of the roofing material or by the designer.
4. Class A Roof Covering: Products labeled as "Class B" shakes or shingles shall be installed in accordance with an approved evaluation report which qualifies the entire assembly as meeting the Class A requirement.
5. Any discrepancy in the designation of an area will need to be reviewed by the California Division of Forestry or local Fire Authority.
6. The roofing installer shall further provide a completed "**Certificate of Compliance**" to the field inspector prior to, or at the time of the final inspection of the structure, that certifies the roof meets the "Class A" requirement and, certifies that the roofing material was installed per the manufactures installation requirements and any applicable listing.
7. If your structure is located at 100pg ground snow load and higher. Hot or cold underlayment roofing is required on all roofs from the building edge for a distance of 5 feet or to the ridge, whichever is less.
8. CBC Chap. 7A & CRC R327.5 will be required:
 - a) A 36" wide No. 72 ASTM cap sheet shall be installed under all metal valleys.
 - b) Firestops between the roofing and roof deck shall be provided to prevent the intrusion of flames or embers, or cover the combustible roof decking with No. 72 ASTM cap sheet.
 - c) Screens or other devices are to be installed on gutters.



CALIFORNIA HEALTH AND SAFETY CODE 13132.7 (d)(1): ...on or after January 1, 1997, within very high fire severity zones designated by the Director of Forestry and Fire Protection pursuant to Article 9 (commencing with section 4201) of Chapter 1 of Part 2 of Division 4 of the Public Resources Code or by a local agency pursuant to Chapter 6.8 (commencing with Section 51175) of Part 1 of Division 1 of Title 5 of the Government Code, every new structure, and every existing structure when 50 percent or more of the total roof area is reroofed within any one-year period commencing as adopted and amended by the State Building Standards Commission.

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

CLASS A FIRE RETARDANT ROOFING AND INSTALLATION CERTIFICATE OF COMPLIANCE

This is to certify that the roof covering installed on the structure identified below was installed per the manufactures requirements for installation, and meets the requirements for a **Class A Roof Covering** as required within all unincorporated areas of Placer County.

INITIAL

ITEMS REQUIRED BY CBC CHAP. 7A AND CRC R327.5 FOR ROOFING WILL BE INSTALLED.

BUILDING PERMIT NUMBER
NUMBER

ASSESSOR'S PARCEL

PROPERTY OWNER

BUILDING ADDRESS

ROOFING MANUFACTURER

ROOFING TYPE

INSTALLER (PRINT)
NUMBER

CONTRACTORS LICENSE

SIGNATURE (INSTALLER)
DATE

TITLE

The roofing installer shall provide this completed **Certificate of Compliance** to the field inspector prior to or at the time of the final inspection of the structure.



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

AUBURN OFFICE - 3091 County Center Dr. Ste 160 / Auburn, California 95603 / (530) 745-3010 / Fax (530) 745-3058
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.

Residential Alterations

Project Name:	Climate Zone #	# of Stories
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General Information

Site Address:	Enforcement Agency:	Date:
Building Type <input type="checkbox"/> Single Family <input type="checkbox"/> Multi Family	Circle the Front Orientation: N, E, S, W, or degrees _____	
Conditioned Floor Area (CFA): _____	Project Type: <input type="checkbox"/> Alterations <input type="checkbox"/> Envelope <input type="checkbox"/> Fenestration <input type="checkbox"/> Roof <input type="checkbox"/> HVAC Replacement or Change Out <input type="checkbox"/> Duct Replacement <input type="checkbox"/> Water Heater	

NOTE: This form is not to be used for Newly Constructed Buildings or Additions

ROOFING PRODUCTS (COOL ROOFS) §151(f)12

When the area of exterior roof surface to be replaced exceeds more than 50% of the existing roof area, or more than 1,000 ft², whichever is less, the new roofing area must meet the roofing product "Cool Roof" requirements of §152(b)1Hi, 152(b)1Hii, or 152(b)1Hiii.

Check applicable alternative or exception below if the roof alteration is exempt from the roofing product "Cool Roof" requirements. Note: If any one of the alternatives or exception below is checked, the Aged Solar Reflectance and Thermal Emittance requirements for roofing products in §118(i) are not applicable. Do not fill table below.

- Cool Roofs Not Required in Climate Zones 1-12, 14, and 16 with a Low Sloped. Less or 2:12 pitch.
- Cool Roofs Not Required in Climate Zones 1 through 9 and 16 with a Steep-Sloped Roofs (pitch greater than 2:12) and product unit weight less than 5lb/ft².

Alternatives to §152(b)1Hi and §152(b)Hii, Steep-slope roof (pitch > 2:12)

- Insulation with a thermal resistance of at least 0.85 hr-ft²-°F/Btu or at least a 3/4 inch air-space is added to the roof deck over an attic; or
- Existing ducts in the attic are insulated and sealed according to §151(f)10; or
- In climate zones 10, 12 and 13, with 1 ft² of free ventilation area of attic ventilation for every 150 ft² of attic floor area, and where at least 30 percent of the free ventilation area is within 2 feet vertical distance of the roof ridge; or
- Building has at least R-30 ceiling insulation; or
- Building has radiant barrier in the attic meeting the requirements of §151(f)2; or
- Building has no ducts in the attic; or
- In climate zones 10, 11, 13 and 14, R-3 or greater roof deck insulation above vented attic.

Exception to §152(b)1Hiii, Low-slope roof (pitch ≤ 2:12)

- Building has no ducts in the attic.

Other Exceptions

- Roofing area covered by building integrated; photovoltaic panels and solar thermal panels are exempt from the below Cool Roof criteria.
- Roof constructions that have thermal mass over the roof membrane with at least 25 lb/ft² is exempt from the below Cool Roof criteria.

Note: If no CRRC-1 label is available, this compliance method cannot be used, use the Performance Approach to show compliance, otherwise, Check the applicable box below if Exempt from the Roofing Products "Cool Roof" Requirement:

CRRC Product ID Number ¹	Roof Slope		Product Weight		Product Type ²	Aged Solar Reflectance ^{3,4}	Thermal Emittance	SRI ⁵
	≤ 2:12	> 2:12	< 5lb/ft ²	≥ 5lb/ft ²				
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> ⁴		

1. The CRRC Product ID Number can be obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org/products/search.php
2. Indicate the type of product is being used for the roof top, i.e. single-ply roof, asphalt roof, metal roof, etc.
3. If the Aged Reflectance is not available in the Cool Roof Rating Council's Rated Product Directory then use the Initial Reflectance value from the same directory and use the equation $(0.2+0.7(p_{initial} - 0.2))$ to obtain a calculated aged value. Where p is the Initial Solar Reflectance.
4. Check box if the Aged Reflectance is a calculated value using the equation above.
5. Calculate the SRI value by using the SRI- Worksheet at <http://www.energy.ca.gov/title24/> and enter the resulting value in the SRI Column above and attach copy of the SRI- Worksheet to the CF-1R.

To apply **Liquid Field Applied Coatings**, the coating must be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the coatings manufacturer and meet minimum performance requirements listed in §118(i)4. Select the applicable coating:

<input type="checkbox"/> Aluminum-Pigmented Asphalt Roof Coating	<input type="checkbox"/> Cement-Based Roof Coating	<input type="checkbox"/> Other _____
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Prescriptive Certificate of Compliance: Residential		CF-1R-ALT
Residential Alterations		
Project Name:	Climate Zone #	# of Stories

Documentation Author's Declaration Statement	
<ul style="list-style-type: none"> I certify that this Certificate of Compliance documentation is accurate and complete. 	
Name:	Signature:
Company:	Date:
Address:	If Applicable <input type="checkbox"/> CEA or <input type="checkbox"/> CEPE (Certification #):
City/State/Zip:	Phone:

Responsible Building Designer's Declaration Statement	
<ul style="list-style-type: none"> I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance. I certify that the energy features and performance specifications for the building design identified on this Certificate of Compliance conform to the requirements of Title 24, Parts 1 and 6 of the California Code of Regulations. The building design features identified on this Certificate of Compliance are consistent with the information provided to document this building design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 	
Name:	Signature:
Company:	Date:
Address:	License:
City/State/Zip:	Phone:

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

INSTALLATION CERTIFICATE

CF-6R-ENV-01

Envelope – Insulation; Roofing; Fenestration

Site Address:

Enforcement Agency:

Permit Number:

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 with check boxes require to be checked to ensure the mandatory measures have been met.

Description of Roofing Products

CRRC Product ID Number ¹	Manufacturer Information	Brand/Model	Product Type	Roof Area	Roof Slope	Product Weight ²	Initial Solar Reflectance	Aged Solar Reflectance ⁴	Thermal Emittance
								<input type="checkbox"/> ³	
								<input type="checkbox"/> ³	
								<input type="checkbox"/> ³	

1. The CRRC Product ID Number can be obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org/products/search.php

2. The weight in lbs per square feet of the roofing product being installed.

3. Check box if the Aged Reflectance is a calculated value using the equation below, footnote 4.

4. If the aged reflectance is not available in the Cool Roof Rating Council's Rated Product Directory then use the initial reflectance value from the directory and use the equation $(0.2 + 0.7(p_{\text{initial}} - 0.2))$ to obtain a calculated aged value.

CHECK APPLICABLE BOX BELOW IF EXEMPT FROM THE ROOFING PRODUCT "COOL ROOF" REQUIREMENT:

The roof area covered by building integrated photovoltaic panels and building integrated solar thermal panels are exempt from the above Cool Roof criteria.

Roof constructions that have thermal mass over the roof membrane with a weight of at least 25 lb/ft² is exempted from the above Cool Roof criteria.

To apply Liquid Field Applied Coatings, the coating must be applied with a minimum dry mil thickness of 20 mils across the entire roof surface and meet minimum performance requirements listed in §118(i)3 and Table 118-C. Select the applicable coating

Aluminum-Pigmented Asphalt Roof Coating Cement-Based Roof Coating Other _____

CRRC-1 Label Attached to CF-6R

(Note if no CRRC-1 label is available, this compliance method cannot be used and another method is required to meet compliance).

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

Reroof RES			
ITEM	INSPECTOR/ DATE	INSPECTION CODE	NOTES
REROOF – PRE DECK		432	
REROOF - FINAL		433	
ICE DAM		428	
INSPECTOR COMMENTS			
LIMITS OF THE SCOPE OF WORK & INSPECTION INFORMATION FOR CONTRACTOR			
<ol style="list-style-type: none"> 1. Must use in kind roofing. 2. Class "A" roofing is required in all areas of Placer County. 3. No structural modifications or reframing. 4. If the project is located in a Wild Land Urban Interface (WUI) area, the project shall comply with the 2010 California Building Code (CBC), Chapter 7A requirements. 5. Installation certification is required at final inspection for the class "A" roofing. 6. Provide Declaration of Installation for Carbon Monoxide Alarms & Smoke Alarms to inspector by final inspection. 7. Provide completed energy forms CF-1R-ALT to inspector by final inspection. 8. Provide complete energy form CF-6R-ENV-01 to inspector by final inspection. 9. Provide a H.O.A. approval letter via E-mail if applicable. Planning approval is required if request for permit is located within a Design Corridor. 10. 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