



Project No. _____

CITY OF LOS ALTOS
1 NORTH SAN ANTONIO ROAD, LOS ALTOS CA
PHONE: (650) 947-2752 FAX: (650) 947-2734

CONTRACTORS' APPLICATION FOR RE-ROOFING

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JOB ADDRESS: _____ **DATE:** _____

PROPERTY OWNER: Name: _____ **CONTRACTOR:** Name: _____

Address: _____ Address: _____

City/Zip Code: _____ City/Zip Code: _____

Phone No.: _____ Phone No.: _____

License No. _____

VALUATION OF ROOF: \$ _____ **PERMIT FEE \$** _____

New Roof Type: _____ Existing Roof Type: _____

Will Existing Roof Coverings be Removed? Yes _____ No _____

Number of Existing Roof Coverings: _____ Weight of New Roofing Material:* _____

Roof System Fire Classification: A _____ B _____ C _____

Basis for Roof System Approval: ICBO ES # _____ UL# _____ ASTM# _____ OTHER _____

Will New Sheathing be Added? Yes _____ No _____ What Type of Sheathing? _____

***IF NEW PLUS EXISTING ROOFING WEIGHS MORE THAN 6 PSF UTILIZE UBC RAFTER SPAN TABLES OR PROVIDE ENGINEERING CALCULATIONS**

I will review the current roof ventilation requirements as per Section R806 of the Residential Building Code with the property owner. See handout attached to permit card.

Smoke/carbon monoxide detectors to be installed per R314 & R315 per the 2010 CRC Contractor's initials _____

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS RELATING TO THIS CONSTRUCTION, REMODEL OR REPAIR, AND I MAKE THIS STATEMENT UNDER PENALTY OF LAW.

CONTRACTOR'S SIGNATURE: _____ DATE: _____

ATTENTION: CONTRACTORS/HOMEOWNERS

It is strongly suggested that all existing roofs meet today's roof ventilation requirements as per Section R806.

Please see Building Department for any questions.

SECTION R806 ROOF VENTILATION

R806.1 Ventilation required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of $\frac{1}{16}$ inch (1.6 mm) minimum and $\frac{1}{4}$ inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than $\frac{1}{4}$ inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of $\frac{1}{16}$ inch (1.6 mm) minimum and $\frac{1}{4}$ inch (6.4 mm) maximum.

Openings in roof framing members shall conform to the requirements of Section R802.7. Required ventilation openings shall open directly to the outside air.

Exception: Attic ventilation shall not be required when determined not necessary by the code official due to atmospheric or climatic conditions.

R806.2 Minimum vent area. The minimum net free ventilating area shall be $\frac{1}{150}$ of the area of the vented space.

Exception: The minimum net free ventilation area shall be $\frac{1}{300}$ of the vented space provided one or more of the following conditions are met:

- ~~In Climate Zones 14 and 16, a Class I or II vapor retarder is installed on the warm in winter side of the ceiling.~~
- At least 40 percent and not more than 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the attic or rafter space. Upper ventilators shall be located no more than 3 feet (914 mm) below the ridge or highest point of the space, measured vertically, with the balance of the required ventilation provided by eave or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet (914 mm) below the ridge or highest point of the space shall be permitted.

R806.3 Vent and insulation clearance. Where eave or cornice vents are installed, insulation shall not block the free flow of air. A minimum of a 1-inch (25 mm) space shall be provided between the insulation and the roof sheathing and at the location of the vent.

R806.4 Installation and weather protection. Ventilators shall be installed in accordance with manufacturer's installation instructions. Installation of ventilators in roof systems shall be in accordance with the requirements of Section R903. Installation of ventilators in wall systems shall be in accordance with the requirements of Section R703.1.

R806.5 Unvented attic and unvented enclosed rafter assemblies. Unvented attic assemblies (spaces between the ceiling joists of the top story and the roof rafters) and unvented enclosed rafter assemblies (spaces between ceilings that are applied directly to the underside of roof framing members/rafters and the structural roof sheathing at the top of the roof framing members/rafters) shall be permitted if all the following conditions are met:

- The unvented attic space is completely contained within the building thermal envelope.
- No interior Class I vapor retarders are installed on the ceiling side (attic floor) of the unvented attic assembly or on the ceiling side of the unvented enclosed rafter assembly.
- Where wood shingles or shakes are used, a minimum $\frac{1}{4}$ -inch (6 mm) vented air space separates the shingles or shakes and the roofing underlayment above the structural sheathing.
- ~~In California Climate Zones 14 and 16, any air-impermeable insulation shall be a Class II vapor retarder, or shall have a Class III vapor retarder coating or covering in direct contact with the underside of the insulation. See Title 24, Part 6, Figure 100.1 A—California Climate Zones.~~
- Either Items 5.1, 5.2 or 5.3 shall be met, depending on the air permeability of the insulation directly under the structural roof sheathing. *No insulation shall be required when roof tiles, wood shingles or wood shakes, or any other roofing system using battens and no continuous underlayment is installed. A continuous layer shall be considered to exist if sheathing, roofing paper or any continuous layer which has a perm rate of no more than one perm under the dry cup method.*
 - Air-impermeable insulation only. Insulation shall be applied in direct contact with the underside of the structural roof sheathing.
 - Air-permeable insulation only. In addition to the air-permeable insulation installed directly below the structural sheathing, rigid board or sheet insulation with an R-value of R-4 shall be installed directly above the structural roof sheathing for condensation control.
 - Air-impermeable and air-permeable insulation. The air-impermeable insulation shall be applied in direct contact with the underside of the structural roof sheathing for condensation control. The air-permeable insulation shall be installed directly under the air-impermeable insulation.
 - Where preformed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.