



RE-ROOFING

Asphalt Shingles

Materials:

- Planning approval is required for all roofing materials prior to building permit issuance.

Installation:

- All new roofing material shall be installed over solid sheathing.
- All roofing shall be installed per the manufacturer's specifications and the 2007 California Building Code.

Title 24, Energy Requirements:

- A Cool Roof is required when more than 50% of the roof is replaced –or– more than 1,000 square feet of roofing is replaced.
- Radiant barrier is required on all new sheathing over conditioned space only.

EXCEPTIONS: In place of the Cool Roof, one of the following requirements must be met:

1. Venting in the roof at a rate of 1/150th of the area of the attic floor area, 30% of the required venting placed within 2 feet of the ridge.
2. Building must have R-30 ceiling insulation.
3. Add an approved radiant barrier to the attic.
4. Buildings that have no ducts in the attic.
5. Roof areas covered by solar panels.
6. R-3 or greater roof deck insulation is installed above a vented attic.
7. Existing duct's in the attic are sealed and tested by a HERS rater.
8. Apply insulation with a minimum of R-1 to the roof deck and have at least 3/4" air-space between the roof deck and the roofing material.

Number of roofing layers: Only 2 layers *total* of asphalt shingles may be applied to a roof.

Nailing requirements for asphalt shingles: Requirements for nailing asphalt shingles are specified by the manufacturer. Generally, shingles require 4 nails per strip shingle. Corrosion resistant nails are required (galvanized, stainless steel, aluminum, or copper). Size: 12-gauge shank, 3/8" head, long enough to completely penetrate the sheathing (usually 1 1/4" in length).

Decking requirements: For typical 1/2" thick plywood, the typical nail is an 8d. The end joints of each plywood sheet must occur over a supporting rafter and the nails are to