



ROOF VENTILATION

1. **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.
2. **R806.2 Minimum area.** The total net free ventilating area **shall not be less than 1 sq. ft. to 150 sq. ft.** of the area of the space ventilated **except that the total area is permitted to be reduced to 1 sq. ft. to 300 sq. ft., provided at least 50 percent** and not more than 80 percent of the required ventilating area **is provided by ventilators located in the upper portion of the space to be ventilated** at least 3 feet (914 mm) above eave or cornice vents **with the balance of the required ventilation provided by eave or cornice vents.** As an alternative, the net free cross-ventilation area may be reduced to 1 sq. ft. to 300 sq. ft. when a vapor barrier having a transmission rate not exceeding 1 perm ($57.4 \text{ mg/s} \cdot \text{m}^2 \cdot \text{Pa}$) is installed on the warm side of the ceiling.
3. **R806.3 Vent clearance.** Where eave or cornice vents are installed, insulation shall not block the free flow of air. **A minimum of a 1-inch (25.4 mm) space shall be provided between the insulation and the roof sheathing at the location of the vent.**

Note

Ridge vents and gable louvered vents installed per manufacturer's installation instructions are an acceptable alternative.

Any garage with an enclosed attic space shall be ventilated.