

**804.3.10 Headers.** Roof-ceiling framing above wall openings shall be supported on headers. The allowable spans for headers in load-bearing walls shall not exceed the values set forth in Table 603.6(1).

**804.4 Roof tie-down.** Roof assemblies subject to wind uplift pressures of 20 psf (958 Pa) or greater, as established in Table 301.2(1), shall have rafter to load-bearing wall ties provided in accordance with Table 802.10.

### SECTION 805 CEILING FINISHES

**805.1 Ceiling installation.** Ceilings shall be installed in accordance with the requirements for interior wall finishes, as provided in Section 702.

### SECTION 806 ROOF VENTILATION

**806.1 Ventilation required.** When determined necessary by the building official because of atmospheric or climatic conditions, 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. Ventilating openings shall be provided with corrosion-resistant wire mesh, with the least dimension being  $\frac{1}{8}$  inch (3.2 mm).

**806.2 Minimum area.** The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that the total area is permitted to be reduced to 1/300, 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 shall be permitted to be reduced to 1/300 when a vapor barrier having a transmission rate not exceeding 1 perm ( $57 \text{ mg/s} \cdot \text{m}^2 \cdot \text{Pa}$ ) is installed on the warm side of the ceiling.

**806.3 Vent clearance.** Where eave or cornice vents are installed, insulation shall not block the free flow of air. A minimum of 1-inch (25.4 mm) space shall be provided between the insulation and the roof sheathing at the location of the vent.

### SECTION 807 ATTIC ACCESS

**807.1 Attic access.** An accessible attic access framed opening not less than 22 inches by 30 inches (559 mm by 762 mm) shall be provided to any attic area having a clear height of over 30 inches (762 mm).

### SECTION 808 INSULATION CLEARANCE

**808.1 Combustible insulation.** Combustible insulation shall be separated a minimum of 3 inches (76 mm) from recessed lighting fixtures, fan motors and other heat-producing devices.

**Exception:** Where heat-producing devices are listed for lesser clearances, combustible insulation complying with the listing requirements shall be separated in accordance with the conditions stipulated in the listing.