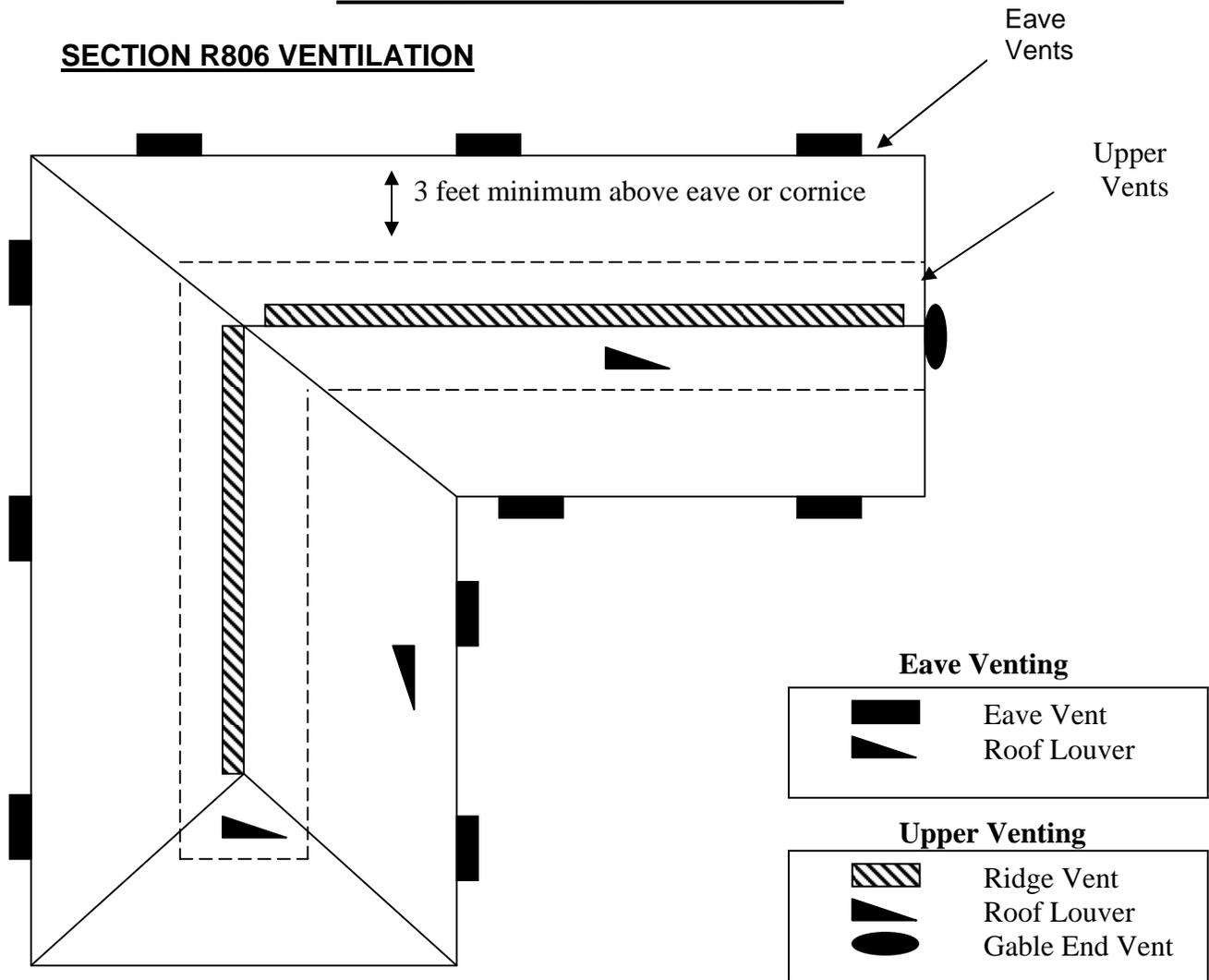




COMMUNITY DEVELOPMENT DEPARTMENT
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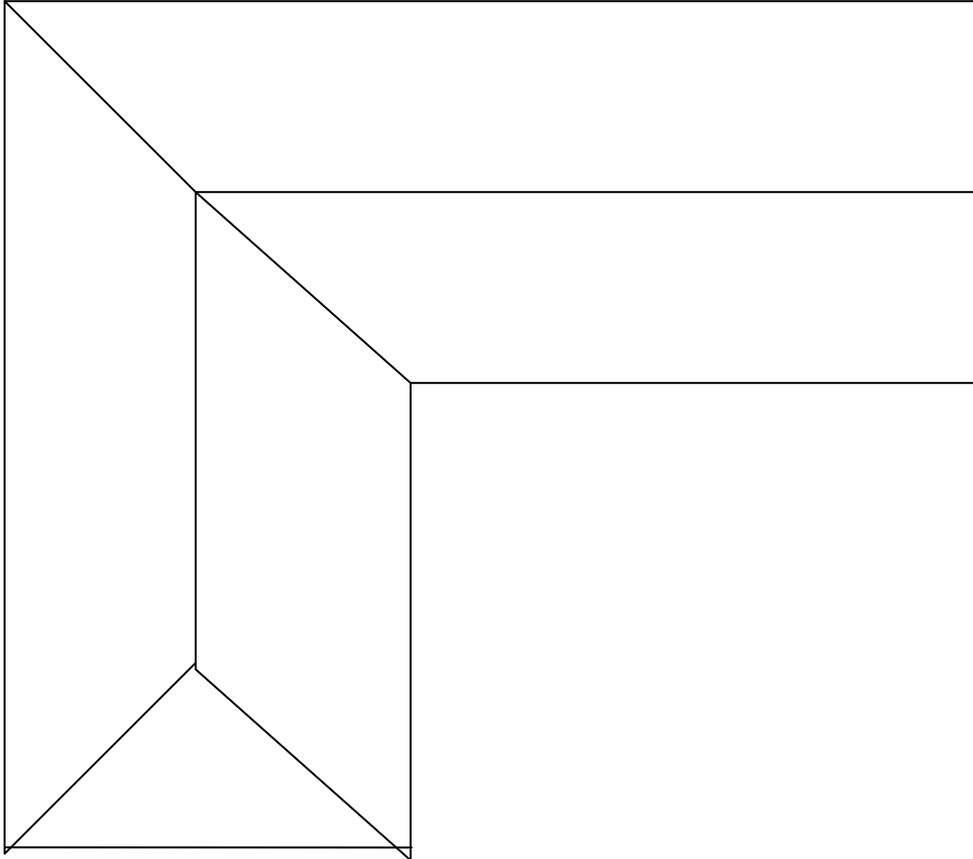
RE-ROOF ATTIC VENTILATION

SECTION R806 VENTILATION



- The above diagram is meant to illustrate typical types of venting. Any combination of vents can be used as long as minimum ventilation requirements are met.
- No ventilation is required for garages or patio covers without ceilings.

ATTIC VENTILATION EXAMPLE (Required for Re-roofs/Tear-offs)



Sample Calculation: $\frac{1}{300}$

- Building Area = 2000 ft²
- Required Ventilation (from attached table) = 960 in²
 - MAXIMUM**
 - Ventilation at 3 ft min above eave/cornice = 480 in² (50% Maximum)
 - Remainder Ventilation at Eaves = 480 in²
 - MINIMUM**
 - Ventilation at least 3 ft above eaves/cornice = 480 in² (50% Minimum)
 - Remainder Ventilation at Eaves = 480 in²
- Specify type, location, and size (in sq in) of vents to be used

Sample Calculation: $\frac{1}{150}$

- Building Area = 2000 ft²
- Required Ventilation = 1920 in²
- Specify type, location, and size (in sq in) of vents to be used

**Attic Access and Ventilation (CRC R806.2)
Ventilation $\frac{1}{300}$ of the area served¹**

Square Footage	Vent Area (in ²)	Max 50% of Free Ventilation Area (at least 3 ft above eave or cornice vents) ¹	Remainder of Ventilation Area located at Eaves or cornice
1000	480	240	240
1100	528	264	264
1200	576	288	288
1300	624	312	312
1400	672	336	336
1500	720	360	360
1600	768	384	384
1700	816	408	408
1800	864	432	432
1900	912	456	456
2000	960	480	480
2100	1008	504	504
2200	1056	528	528
2300	1104	552	552
2400	1152	576	576
2500	1200	600	600
2600	1248	624	624
2700	1296	648	648
2800	1344	672	672
2900	1392	696	696

1. The total net free ventilating area shall not be less than $\frac{1}{150}$ of the area of the space ventilated except that reduction of the total area to $\frac{1}{300}$ is permitted provided 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 space to be ventilated at least 3 feet above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. The table above reflects the max of 50 percent. 2013 CRC, Section R806.2 Exception #2.

Typical Types of Vents

Ridge Vents

Venting Ridge Cap Shingles



Pitch Filter Vent

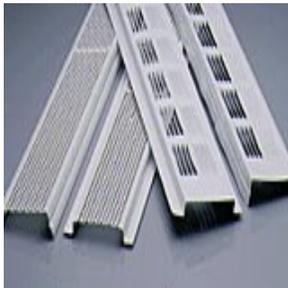


Shingle Vent

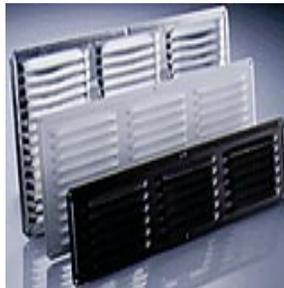


Eave Attic Intake Vents

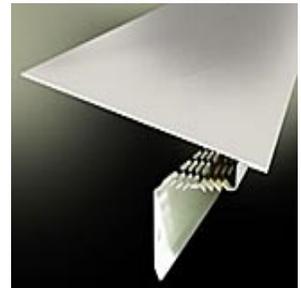
Continuous Soffit Vents



Undereave Vents



Vented Drip Edge



Truss or Rafter Vents

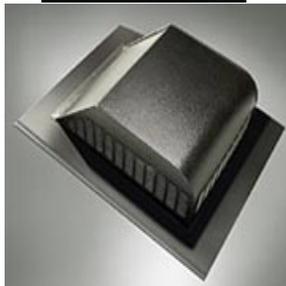


Static Vents

Wind Turbines



Roof Louvers



Wall Louvers

