

**EXAMPLE
ATTIC VENTILATION CALCULATION**

Required:

Attic #1; 1200 sq. ft. @ 1:150
 $1200/150 = 8$ sq. ft attic ventilation [**1152 sq. in.**]

Attic #2 300 sq. ft. @ 1:150
 $300/150 = 2$ sq. ft. attic ventilation [**288 sq. in.**]

Provided:

Attic #1; 5 Air Hawks @ 144 sq. in. each = 720 sq. in.
80 lin. Ft. Soffit vent @ 5 sq. in per lin. Ft. = 400 sq. in.
30 lin. Ft Ridge vent @ 8 sq. in. per lin. Ft. = 240 sq. in.
Total = 1360 sq. in.

Attic #2 2 Air Hawks @ 144 sq. in each = 288 sq. in.
20 lin. Ft. Soffit vent @ 5 sq. in. per lin. Ft. = 100 sq. in.
Total = 388 sq. in.

A RATIO OF 1:300 IS ALLOWED PER CODE WHEN CERTAIN CONDITIONS ARE MET.
Attic spaces.

Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof framing members shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain and snow. Blocking and bridging shall be arranged so as not to interfere with the movement of air. A minimum of 1 inch (25 mm) of airspace shall be provided between the insulation and the roof sheathing. The net free ventilating area shall not be less than 1/150 of the area of the space ventilated, with 50 percent of the required ventilating area 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.

Exception: The minimum required net free ventilating area shall be 1/300 of the area of the space ventilated, provided a vapor retarder having a transmission rate not exceeding 1 perm in accordance with ASTM E 96 is installed on the warm side of the attic insulation and provided 50 percent of the required ventilating area 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.