## ROOF VENTILATION

## 2015 MINNESOTA RESIDENTIAL CODE

## R806.2 Minimum vent area.

1. Ventilation requirements are one square foot of net free vent area (NFVA) per 150 square feet of attic area to be vented (1/150 rule).
2. Requirements change to one square foot of net free vent area per 300 square feet of attic area to be vented ( $1 / 300$ rule) when one or more of the following are met:
a. The ventilation is balanced between the lower (eave) and upper (ridge) portion of the attic such that a minimum of $40 \%$ and no more than $50 \%$ of the required net free vent area is provided in the upper portion fo the attic,

## AND/OR

b. A Class I or II vapor retarder is included in the ceiling assembly (on the warm-inwinter side) in climate zone 6.

Example:
Find the area of the attic foot print. Width $\times$ Length $=\underline{\text { Square Feet }}$

STEP 1
Calculate how much NFVA you need

1200 sq. ft.
$\div 300 \mathrm{sq}$. ft.
$=4$ sq. ft. NFVA

STEP 2
Convert that to inches

4 sq. ft. of NFVA
X 144 (in. per sq. ft.) $=576$ sq. in. of NFVA

STEP 3
Divide it up between the soffit and the ridge
$60 \%$ of 576 sq. in. $=$ 345.6 sq. in. (soffit vents)
$40 \%$ of 576 sq. in= 230.4 sq. in. (ridge vents)

- NFVA - Net Free Ventilation Area

There are many types of vents out there. You will need to do the math to determine how many vents will be needed on the roof.

This handout is a written as a guide to common questions and concerns. It is not intended nor shall it be considered a complete set of requirements.

