

Address: _____

RESIDENTIAL ROOF VENTILATION WORKSHEET

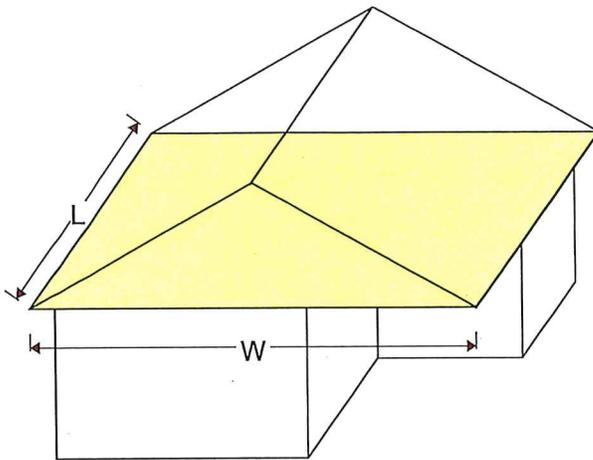
MN Rule 1309.R806.2 Minimum vent area. The minimum net free ventilating area shall be 1/150 of the area of the vented space.

- 1) **Total Roof Area** $W \times L = \text{Roof Area}$ Do this for all roof areas and combine for Total Roof Area. **TRA** = _____ ft^2
 2) **Ventilation Area** $\text{TRA} / 150 = \text{Roof Ventilation Area (RVA)}$ **TRA** _____ divided by 150 = **RVA** = _____ ft^2
 3) **Ventilation Requirements** Roof Ventilation:

Type: _____ Make and Model: _____ Net Free Area (NFA): _____ per vent or linear foot

$\text{RVA ft}^2 / \text{NFA ft}^2 = \text{vents or feet}$

RVA _____ divided by **NFA** _____ = _____ vents or feet



To use the 1:300 rule, you must confirm the following:

A class I or class II vapor retarder is installed to the warm in winter side of the ceiling assembly: Yes No

Roof intake Net Free Area is functional and provides 40-50% of Roof Ventilation Area (RVA): Yes No

- 1) **Total Roof Area** $W \times L = \text{Roof Area}$ Do this for all roof areas and combine for Total Roof Area.
 2) **Ventilation Area** $\text{TRA} / 300 = \text{Roof Ventilation Area (RVA)}$ **TRA** _____ divided by 300 = **RVA** = _____ ft^2
 $\text{RVA} / 2 = \text{Exhaust Ventilation Area (EVA)}$ **RVA** _____ $\text{ft}^2 / 2 = \text{EVA} =$ _____ ft^2
 3) **Exhaust Vent Requirements** Roof Ventilation:
 Type: _____ Make and Model: _____ Net Free Area (NFA): _____ per vent or foot
 *If Net Free Area is expressed in in^2 , continue to step 4.
 Convert Net Free Area in^2 to ft^2 by dividing in^2 by 144. **NFA** _____ $\text{in}^2 / 144 = \text{NFA}$ _____ ft^2
 4) **Total Exhaust Ventilation Required** (with 3' of Roof Peak)
 $\text{EVA ft}^2 / \text{NFA ft}^2 = \text{vents or feet}$ **EVA** _____ divided by **NFA** _____ $\text{ft}^2 =$ _____ vents or feet