



RESIDENTIAL ROOF VENTILATION WORKSHEET

CITY OF LIVONIA – BUILDING INSPECTION
33000 CIVIC CENTER DRIVE
LIVONIA, MI 48154
(734) 466-2580



Job Address: _____

MRC 2015 R806.2 Minimum vent area. The minimum net free ventilating area shall be 1/150 of the area of the vented space.

1) **Total Attic Area** $W \times L = \text{Attic Area}$ Do this for all roof areas and combine for Total Attic Area. **TAA = _____ ft²**

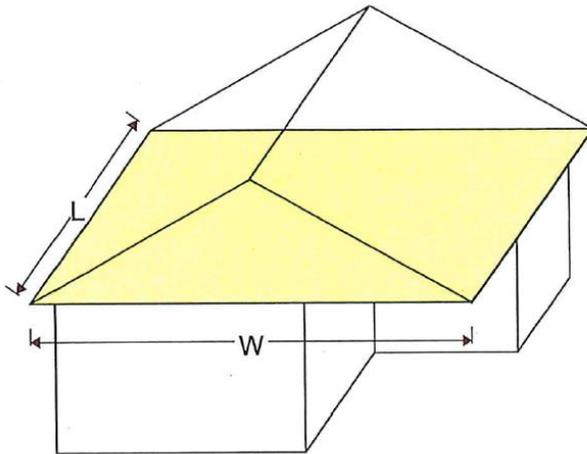
2) **Ventilation Area** $TAA / 150 = \text{Attic Ventilation Area (AVA)}$ **TAA _____ divided by 150 = AVA = _____ ft²**

3) **Ventilation Requirements** Roof Ventilation:

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

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

AVA _____ divided by NFA _____ = _____ vents or feet



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

Upper roof ventilators are functional and provides 40-50% of Attic Ventilation Area (AVA): Yes No

1) **Total Attic Area** $W \times L = \text{Attic Area}$ Do this for all roof areas and combine for Total Roof Area.

2) **Ventilation Area** $TAA / 300 = \text{Attic Ventilation Area (AVA)}$ **TAA _____ divided by 300 = AVA = _____ ft²**

$AVA / 2 = \text{Exhaust Ventilation Area (EVA)}$ **AVA _____ ft² / 2 = EVA = _____ ft²**

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 ft², continue to step 4.

Convert Net Free Area in² to ft² by dividing in² by 144. **NFA _____ in² / 144 = NFA _____ ft²**

4) **Total Exhaust Ventilation Required** (with 3' of Roof Peak)

$EVA \text{ ft}^2 / NFA \text{ ft}^2 = \text{vents or feet}$ **EVA _____ divided by NFA _____ ft² = _____ vents or feet**