



## RESIDENTIAL ROOF VENTILATION WORK SHEET

### STEP 1: Determining Roof Area:

Roof area is determined by a flat, one dimensional area. There is no need to calculate cubic area or the numbers of squares.

*Only calculate conditioned spaces including attached garages. (Length in Feet x Width in feet = Area in Square Feet)*

Area A: Length (ft) \_\_\_\_\_ x Width (ft) \_\_\_\_\_ = \_\_\_\_\_ Square Feet.

Area B: Length (ft) \_\_\_\_\_ x Width (ft) \_\_\_\_\_ = \_\_\_\_\_ Square Feet.

Area C: Length (ft) \_\_\_\_\_ x Width (ft) \_\_\_\_\_ = \_\_\_\_\_ Square Feet.

Total Roof Area: \_\_\_\_\_ Square Feet.

### STEP 2: Determining Existing Roof Conditions:

Does the existing roof have soffit vents or gable end vents? This will determine the amount of ventilation required on the roof to meet code. *(Look under the roof overhang or at the top of the triangular wall on a gable roof.)*

- The existing roof **does not** have soffit vents.
- The existing roof **does** have soffit vents.
- The existing gable end **does not** have vents.
- The existing gable end **does** have vents.

### STEP 3: Determining Method of Venting Area Required:

Depending on the existing or non-existing ventilation checked on Step 2, determine the amount of roof ventilation area required.

- The existing roof **does not** have gable and/or soffit vents:

Step 1 Area \_\_\_\_\_ (Sq. Ft.) Divided by 150 = \_\_\_\_\_ (Sq. Ft.) Total Roof Ventilation Area Required.

- The existing roof **does** have gable and/or soffit vents:

Step 1 Area \_\_\_\_\_ (Sq. Ft.) Divided by 300 = \_\_\_\_\_ (Sq. Ft.) Divided by 2 = \_\_\_\_\_ (Sq. Ft.) Total Roof Ventilation Area Required.

### STEP 4: Determining Number of Venting Fixtures:

By taking the total roof ventilation area required in Step 3, determine the number of venting fixtures required on the roof.

- Roof Louvers: *Step 3* \_\_\_\_\_ Vent. Area (Sq. Ft.) Divided by .416 = \_\_\_\_\_ Louvers Required.
- Turbines: *Step 3* \_\_\_\_\_ Vent Area (Sq. Ft.) Divided by 4 = \_\_\_\_\_ Turbines Required.
- Ridge Vents: *Step 3* \_\_\_\_\_ Vent Area (Sq. Ft.) Times 8.3 = \_\_\_\_\_ Feet of Ridge Required.

I hereby testify that the above calculations are true and accurate. I have verified that any and/or all existing ventilation fixtures are in good operating order, free from obstructions, and function fully as required.