

Burlington Fire Department ventilation procedures;

Minimum opening of 16 square feet

Directly above or as close to the area of fire as possible

The guidelines below are taken from **NFPA 1, 2021**, The State of Vermont is progressing towards adopting the 2021 codes, a date is unknown at this time, winter or spring of 2021 is possible).

11.12.2 Building Mounted Photovoltaic (PV) and Building Integrated Photovoltaic (BIPV) Installations

11.12.3.1.2

The AHJ shall be permitted to reduce or modify roof access based upon fire department ventilation procedures or alternative methods that ensure adequate fire department access, pathways, and smoke ventilation.

11.12.3.1.3

The AHJ shall be permitted to reduce or modify roof access for BIPV systems installed as the roof covering when they are listed in accordance with 690.12(B)(2) of [*NFPA 70*](#).

1. Gable/Rake

- A. Not less than two 36 in. wide access pathways from gutter to ridge
- B. One access pathway shall be provided on the street or driveway side of the roof.

2. Sloped roof greater than 2 in 12 pitch.

- A. Photovoltaic arrays on one roof plane shall have a minimum 18 in. setback from the horizontal ridge.
- B. Photovoltaic arrays on two roof planes shall have a minimum 36 in. setback from the horizontal ridge.

3. Valleys

- A. A minimum of 18 in. shall be provided on both sides of a valley from gutter to ridge.

4. Dormers

- A. A minimum of 6 in. shall be provided at the intersection of the dormer ridgeline and the main roof plane.
- B. A 36 in. wide access pathway from gutter to window shall be provided.

Items for consideration:

Area to either side of a dormer

Hip roof- Is the ridgeline long enough to gain the vent area needed