**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