

## Solar Array Residential

NFPA 1 2021 Ed. 11.12.3

The Hamilton Fire Department requests that roof mounted solar arrays are installed with the following setbacks:

Gable roof: not less than two 3 foot wide access pathways from the eave to the ridge on each roof slope where solar panels are located.

One access pathway shall be provided on the street or driveway side of the roof

If solar panels are to be installed on two sides of a roof, panels shall be located no higher than 3 feet below the ridge on one side to allow for the ventilation of smoke in the event of a fire. The other side of the roof the panels shall be located no higher than 18" below the ridge.

Hip roof: one 3 foot wide access pathway from the eave to the ridge on each roof slope where panels are located

Hip / valley: 18" wide access pathway from the eave to the ridge

ESS to follow NFPA 855 2023 ed. If applicable

#### 11.12.3.2.2

Designation of ridges shall not apply to roofs with 2 in 12 or less pitch.

#### 11.12.3.2.3\* Access Pathways.

##### 11.12.3.2.3.1

Not less than two 36 in. (914 mm) wide access pathways on separate roof planes, from gutter to ridge, shall be provided on all buildings.

##### 11.12.3.2.3.2

One access pathway shall be provided on the street or driveway side of the roof.

##### 11.12.3.2.3.3

For each roof plane with a PV array, a 36 in. (914 mm) wide access pathway from gutter to ridge shall be provided on the same roof plane as the PV array, on an adjacent roof plane, or straddling the same and adjacent roof planes.

##### 11.12.3.2.3.4

Access pathways shall be located in areas with minimal obstructions such as vent pipes, conduit, or mechanical equipment.

Fire Code  
Roof Top Solar