



**American Canyon Fire Protection District**  
**City of Napa Joint Powers Agreement**  
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## **ROOF MOUNTED PV SETBACKS & CONDUIT REQUIREMENTS**

The following information is being provided to clarify locations of conduit installed in conjunction with roof top photovoltaic (PV) systems. The intent is to limit the hazard of cutting live conduit during fire department roof venting operations and to minimize roof mounted tripping hazards for firefighters. All installations shall meet the requirements of the 2013 California Fire Code (CFC) section 605.

Roof top fire department setbacks are required to be incorporated into all rooftop PV designs and installations. Plans shall clearly identify the following code required setbacks:

- A **3' minimum ACCESS** setback is required at the side of all arrays. A 1'-6" setback shall be provided on each side of the hip or valley when panels are installed on opposing roof faces.
- A **3' minimum VENTILATION** setback is required on BOTH sides of all ridges, regardless of panel/array placement or lack of panels installed. There shall be no conduit installed in the ventilation setbacks, including crossing over the ridge to connect arrays.

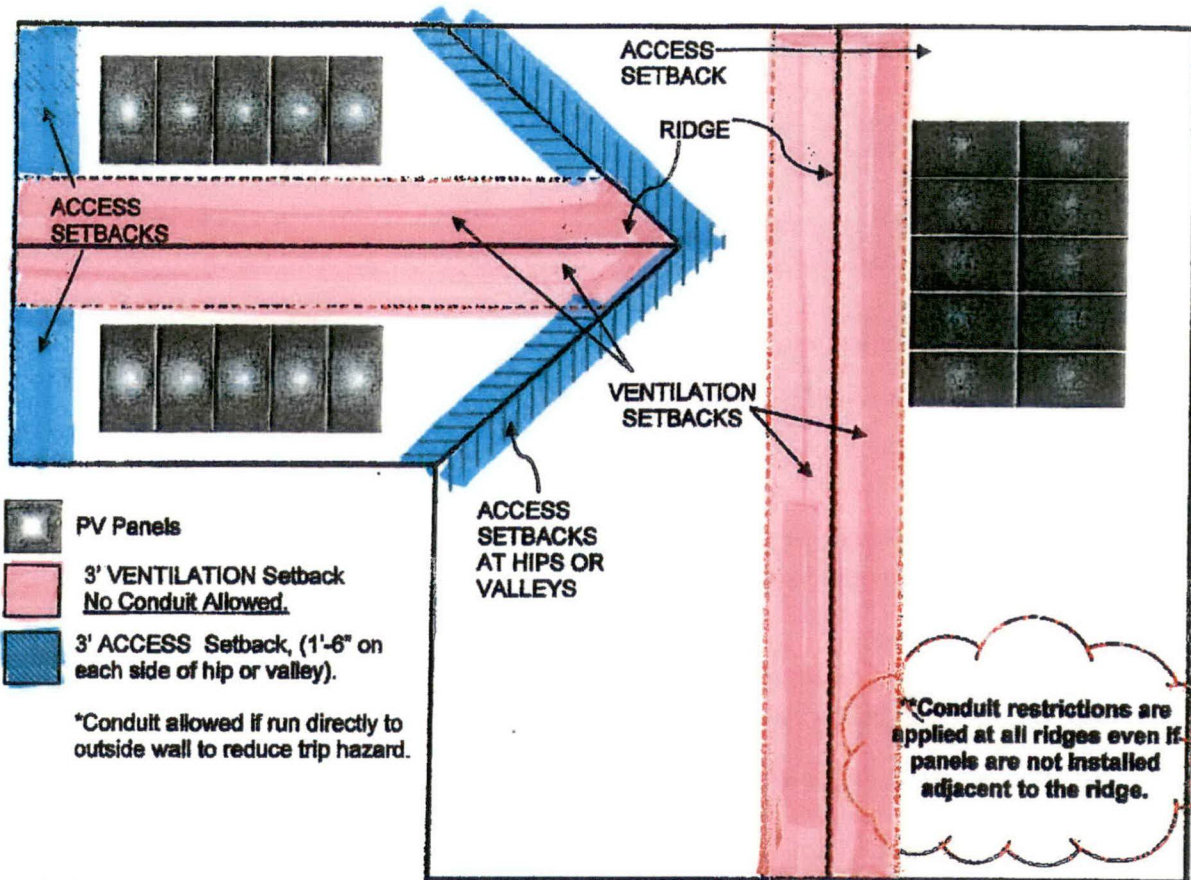
In addition to standard plan requirements, all plans submitted for PV installation permits shall include the following details:

1. Plans shall include both ACCESS and VENTILATION area setbacks. Plans shall include dimensions and shading/hatching for clarity.
2. The location of all roof and attic mounted conduit shall be shown on the plans. There shall be no conduit installed in the VENTILATION setbacks.
3. Conduit located in attics shall be installed away from the ridge ventilation area. When an attic installation is utilized, conduit shall be attached to the bottom of load-bearing members and/or installed directly below the array or mounted to the top of ceiling joists to minimize the likelihood of saws cutting the conduits and conductors.
4. Plan submittals proposing conduit installations in the attic shall require a section detail of the attic with conduit installation locations with dimensions.
5. Conduit will be allowed in the ACCESS setback and shall be run as directly as possible to an outside wall to reduce trip hazards and maximize ventilation opportunities.

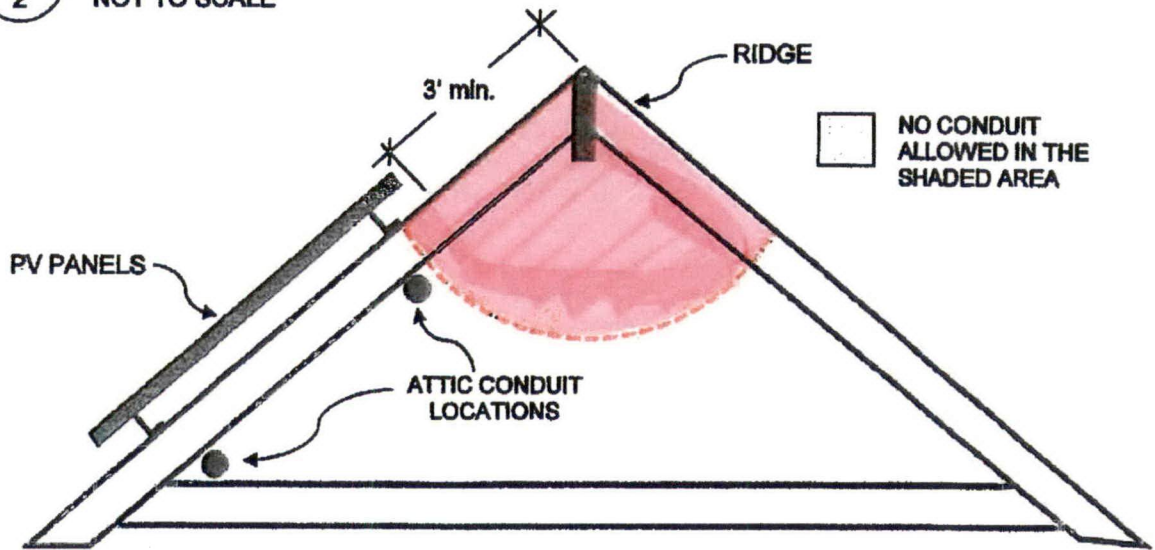
See the reverse side of this document for roof setbacks and attic installation requirements.

Please contact the fire prevention division at 707-551-0652 with installation questions prior to plan submittal.

4/27/2016



1 ROOF PLAN  
2 NOT TO SCALE



2 ROOF SECTION  
2 NOT TO SCALE