

**Building and Safety Division
E-Inspection Compliance and Certification Form**

Residential Roof-Mounted Solar Permit

IMPORTANT! Completion and submittal of this form is *required* in order to pass inspections and finalize this roof-mounted solar permit. Incomplete or non-legible forms will *not* be accepted by the Tuolumne County Building and Safety Division.

Directions: Please verify, complete and initial each item below before you sign, photograph this form and upload/attach to corresponding permit.

1. _____ I certify that the **roof structure** has been reviewed for compliance with applicable provisions of CRC Chapter 8 and is adequate to support the additional loads imposed by the photovoltaic system installed under the provisions of this permit.
2. _____ I certify that the **rack system** supporting the photovoltaic equipment is installed and attached to the roof in compliance with my manufacturer's specifications for the type of photovoltaic equipment installed under the provisions of this permit.
3. _____ I certify that **ground fault protection** is installed in compliance with CEC 690.5 for the photovoltaic system installed under the provisions of this permit.
4. _____ I certify that all **warning labels** are installed in compliance with CEC 690.5(C), 690.7(E), 690.10(C) for the photovoltaic system installed under the provisions of this permit.
5. _____ I certify that the photovoltaic **overcurrent protection and disconnecting means** are in compliance with CEC 690.9, 690.13, 690.15, and Tuolumne County Ordinance Code Section 15.04.45 for the photovoltaic system installed under the provisions of this permit.
6. _____ I certify all **conductor sizes** are in compliance with applicable sections of CEC 220.61, Table 310.15, 690.8, and my manufacture's specifications for the photovoltaic system installed under the provisions of this permit.
7. _____ I certify that the **electrical conduit** was sized and installed in compliance with applicable provisions of CEC Article 320 - 362, CEC Annex C, and my manufacture's specifications for the type of conduit installed under the provisions of this permit and that all changes in wiring method are completed in compliance with CEC Article 300.
8. _____ I certify all **grounding and bonding** is in compliance with CEC 690.41 through 690.49 and my manufacture's specifications for photovoltaic system installed under the provisions of this permit.
9. _____ I certify that all **utility-interactive inverters** are installed in compliance with applicable provisions of CEC Article 690.60 – 690.61, and my manufacture's specifications for the type of inverters installed under the provisions of this permit.

- 10. _____ I certify that all **storage batteries** are installed in compliance with applicable provisions of CEC Article 690.71 – 690.74, and my manufacture’s specifications for the type of storage system installed under the provisions of this permit.
- 11. _____ I certify that clearance of all components of the photovoltaic system will be in accordance with sections R324.6.1 through R324.6.4 of the CRC
- 12. _____ I certify that I have advised the owner of this dwelling of their obligation to install **smoke detectors and carbon monoxide detectors** in compliance with CRC R314 – R315 for quantity, location, power supply and listing.

I hereby affirm under penalty of perjury by my signature below, I have: 1) reviewed and satisfied all applicable Code requirements contained within this permit application; and 2) inspected and verified each of the provisions enumerated above prior to my certifying their compliance with my initials.

Contractor’s Signature: _____ Date _____

Contractors License#: _____ Permit# _____

**Building and Safety Division
E-Inspection Picture Instructions**

Roof Mount PV Permit

IMPORTANT! Submittal of pictures for the work performed is *required* in order to pass inspections and finalize this PV permit. Incomplete or poor quality picture sets will *not* be accepted by the Tuolumne County Building and Safety Division.

Directions: Please digitally photograph the following details and upload/attach to corresponding permit

1. **Front of House** – with Permit attached in location visible from street. Permit Number shall be legible.
2. **Area of installation** – must show the general location on the roof of the residence that the PV array and all equipment installed.
3. **PV panel specifications** – a picture of the electrical specifications sticker on the specific panel installed. Picture should clearly indicate collector model, ISC, and Voc.
4. **Interior of junction box, combiner, and inverter** – must demonstrate correct wire sizing, bonding, and box fill. Include warning labels as required. Note: micro inverters should be shown mounted to the module.
5. **Service panels** – a picture of the interior of the panel board with the dead-front removed demonstrating all wire sizes, grounding and bonding, and disconnect ratings. Must identify breaker rated for back-feeding. Include warning labels as required. Include pictures of the dead front with all required labeling.
6. **Ground system** – pictures of all grounding connections and associated grounding conductors for array and support system.
7. **Rack system** – must demonstrate proper attachment of rack system to roof, proper flashing, and proper attachment of each rack component.
8. **Attic framing** – if roof structure is inadequate, demonstrate bracing method in attic to support array. If roof trusses present, provide picture of truss design demonstrating adequate loading and compare to existing truss for verification. If running conduit in attic show location and labeling.
9. **Picture of self-certification** – must be legible.

Request online inspection and upload/attach pictures to corresponding permit number