

SELF-CERTIFICATION OF SINGLE-FAMILY RESIDENTIAL ROOFTOP SOLAR/PV ATTACHMENTS AND FLASHINGS

In-lieu of the required normal inspection process and to accommodate the one inspection requirement of AB 2188 regarding residential rooftop solar systems. The completion of this form hereby certifies that all Orange County Fire Authority CRC R324.6 requirements have been completed per the approved plans. All solar racking, arrays, and modules have been flashed, attached, and anchored per the approved plans, and the manufactures specifications. All wiring and other concealed and covered work, that is not readily accessible or visible for inspection, shall be certified by the California Licensed Contractor performing the work.

If you opt out of the self-certification program, then the building inspector must have access to perform their adequate inspections of all wiring, anchor, flashing and grounding, etc. if any item is not readily accessible for inspection and the inspection is failed, by the building inspector, it is no longer eligible for the self-certification program.

Please provide this signed certification form, with the job card, to the inspector at the time of final inspection. A signed and stamped structural observation, form from the engineer of record, may be provided in-lieu of this self-certification form. The contractor preparing this form must be classified as a C-10, C-46 or A licensed California Contractor, or their approved agent.

Permit Number: _____

Project Address: _____

☐ I hereby certify the rooftop solar system has been installed according to the approved plans, manufactures specifications, and industry standards. Including the following:

Verify Fire setback and pathways. CRC Section R324.6

PATHWAYS

Choose One

Y N NA

A minimum of two 3-foot-wide pathways on separate roof planes shall be provided from the lowest roof edge to the ridge.

At least one pathway is on the street or driveway side of the roof.

Initials if Reviewed: _____

SETBACK AT RIDGE

If the building does not have an automatic sprinkler system:

Y N NA

- When the PV modules cover up to 33% of the total roof space, an 18" setback is provided on each side of the ridge.
- When the PV modules cover more than 33% of the total roof space, a 36" setback is provided on each side of the ridge.

If the building had an automatic sprinkler system:

Y N NA

- When the PV modules cover up to 66% of the total roof space, an 18" setback is provided on each side of the ridge.
- When the PV modules cover more than 66% of the total roof space, a 36" setback is provided on each side of the ridge.

EMERGENCY ESCAPE AND RESCUE OPENING

Modules arranged to provide a 3-foot-wide pathway are available for emergency escape and rescue openings. CRC Section 324.6.3

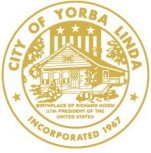
Roof and attachment details are consistent with the structural compliance method identified in the express permit:

Y N NA

- Prescriptive Requirements
- Structural Engineering Calculations

Roof member size, roof member spacing, roof material, attachment method (lag size), attachment spacing, and height between module and roof are all appropriate for the selected method of structural compliance.

Initials if Reviewed: _____



PRESCRIPTIVE REQUIREMENTS

Y N NA

1. The roofing material is wood shingle, asphalt shingle, or rolled /Torch-down and is single layer only?
2. The PV system weighs not more than 4 PSF.
3. The maximum concentrated load imposed by the PV system supports onto the roof structure is 40 pounds.
4. The distance between the topmost part of any module to the roof is less than 18”.
5. Rafters are 2x4’s (or better) spaced 24” on center with a maximum attachment span of 4 feet (48 inches) on center, or as noted in plans.
6. Attachments made with minimum 5/16” lag screws with a minimum 2.5” penetration depth. Into the framing member below. No “Shiners”

Roof penetrations, sealants, and flashings were installed correctly.

No plumbing/attic vents are installed beneath the PV modules without a Building Permit

Rooftop and attic wiring methods are per Code.CEC Article 690 for DC solar systems, CEC Chapter 3 for A/C Systems

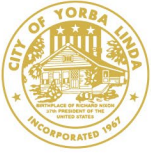
PV Wire or USE-2/RHW-2 for exposed wires; exposed wires are secured beneath modules/rails and off the roof; THWN or THWN-2 or similarly rated wire in raceways, wire size is appropriate, conductor size is appropriate, conduits are strapped/supported at proper intervals.

Rooftop junction box(es) installed per Code. CEC Section 690.31 (D) (2)

The transition from free air to raceway wiring methods using appropriate wire Types, wire nuts, and C-Clamp properly crimped ID’s as applicable.

The racking system bonded per installation instructions with grounding lugs and ground wire at appropriate locations. CEC 110.3

Initials if Reviewed: _____



For installations in very high fire hazard severity zones, the racking system Classification + module fire type rating is Class A Rating.

Smoke and carbon monoxide detectors are installed inside the residence as required. And the smoke and carbon monoxide form has been completed. and provided at the time of Final Inspection. CRC Section 314.1

Company Name: _____

Licensed Contractor: _____

License Number: _____

Signature

Print Name

Date

Initials if Reviewed: _____