



SOLAR PHOTO-VOLTAIC SYSTEM OVER SINGLE FAMILY DWELLING SUBMITTAL REQUIREMENTS

Administrative

1. Provide 2 sets of plans minimum sheet size 11" x 17".
2. Attach all manufacturer specification sheets, installation instructions and U.L. listings to the plans
3. Plans are to be signed by State of California licensed contractor with any of the following classifications "A", "B", "C-46", "C-10", or licensed electrical engineer. Provide signature and contractor license number on each sheet.

Roof Plan

1. Provide a roof plan projected on a site plan. Show the location and dimensions of all solar voltaic equipment and PV arrays.
2. Provide typical 3-foot clear access for fire access.
3. Detail equipment support connections to roof. Provide a detail for flashing and water proofing at system supports
4. Provide calculations by a licensed professional engineer or architect to verify supporting members are adequate for existing and proposed loads

ALTERNATE: Calculation not required if arrays are supported at a maximum spacing of 4 feet.

5. Provide lateral calculations by a licensed professional engineer or architect per 2019 CBC showing that affected existing lateral resisting elements are no more than 10% overstressed according to the 2019 CBC.

ALTERNATE: Lateral Analysis is not required if total area of arrays is less than 300 square feet over a second story roof or 400 square feet over a first story roof.

ELECTRICAL

1. Provide electrical drawings to show compliance with the applicable provisions of the 2019 California Electrical Code.
2. Single Line Diagram: show array configuration, conduit and conductors sizes with de-rating calculations.