

RESIDENTIAL SOLAR PV PLAN SUBMITTAL CHECKLIST

Three complete sets of plans on 11”X17” paper that include the following:

- Cover Sheet with: Project address, owners name, address and phone number; name address and phone number of person preparing plans; sheet index; legend for symbols, abbreviations and notations used in the drawing; site location
- Site diagram and roof plan (including hips and valleys) showing the arrangement of panels on the roof, total number of modules, number of strings and modules per string, conduit runs, existing and new equipment, sky lights, plumbing vents, north arrow, lot dimensions, and the distance from property lines to adjacent buildings/structures (existing and proposed), dimensioned access and pathways¹, locations of disconnects, etc.
- Electrical plan showing the following:
 - Locations of main service or utility disconnect
 - Total number of modules, number of modules per string and the total number of strings.
 - Make and model of inverter(s) and/or combiner box if used
 - Single-line diagram of system
 - Specify grounding/bonding, conductor type and size, conduit type and size number of conductors in each section of conduit
 - Supporting calculations for system
- Equipment labeling (as required by CEC, Sections 690 and 705)
- Structural Plan, including the following:
 - The type of roof covering and the number of roof coverings installed
 - Type of roof framing, size of members and spacing
 - Weight of panels, support locations and method of attachment
 - Framing plan and details for any work necessary to strengthen the existing roof structure
 - Style, diameter, length of embedment bolts
 - Number of bolts per panel (or sq. ft. of panel per bolt)
- Support and attachment information for systems using rack-mounting systems including the following:
 - Manufacturer of the racking system, maximum allowable weight the system can support, attachment method to the roof or ground and product evaluation information or structural design for the racking system
- Equipment manufacturers cut sheets & listings for all PV equipment and mounting systems including, but not limited to:
 - Inverters
 - PC modules
 - AC and DC disconnects
 - Combiners
 - Grounding hardware
 - Panel and rack attachment details
 - Mounting brackets

¹ Access and pathways refers to CA State Fire Marshal required access and pathways