

RESIDENTIAL SOLAR PV SUBMITTAL REQUIREMENTS

Solar submittal requirements for residential properties and structures need to consist of the following documents.

1. **Layout.** Provide a detailed plan showing the layout of all panels on any structures. Indicate path of travel and minimum width of pathways per section IRC R324.6.
2. **Engineered Structural Plan.** A structural plan or letter must be submitted with an engineer's stamp approving the design, location, and installation of panels on any residential roof. Must state the roof load and wind load.
3. **Framing Details.** Provide detailed framing plans of any additional framing that needs to occur as required by the engineer. A final letter of inspection from the engineer may be required prior to the final approval.
4. **Equipment Details.** Details and/or spec sheets from the manufacture must be provided for all equipment that is to be installed. All equipment must be listed and labeled in accordance with UL 1703.
5. **Electrical Details.** Provide an electrical one-line diagram showing all disconnecting means, wiring, wire sizes, piping, piping sizes, routes of conduits, grounding details, panel schedules, and connection details in accordance with the NFPA 70 (NEC) Chapter 690.
6. **Labeling.** Provide examples of all labeling and location of labeling as required per NEC 690.
7. **Other Specifics.** Provide any other supporting documents.

