



Residential Rooftop Solar/ Battery Plan Submittal Requirements

****Main panel upgrade and Energy Storage Systems require a separate permit (C-10 Contractor required)**

- 1) Cover Sheet (required for all plans)
 - a. Project Address
 - b. Project APN
 - c. Date of plans
 - d. Property Owner and contact information
 - e. Sheet index listing all plan sheets (all sheets must be numbered)
 - f. Revision log for recording any future changes to the approved plans
 - g. Scope of work (must be detailed and must match plans and permit application)
 - h. Code references (list all codes and cycle the apply to the project)
 - i. Fire sprinkler status of all structures
 - j. Designer name
 - k. Project team contact information
 - l. Deferred submittal items (not included in plans, but required as part of the project).
 - m. LA County Fire Department stamp required for Energy Storage systems.

- 2) Site plan (required for new structures and additions)
 - a. General location and adjacent streets
 - b. Directional arrow showing North
 - c. Setbacks from all property lines and other structures
 - d. Equipment locations
 - i. show vehicular path and protection (if applicable)
 - ii. Show gates and fences
 - e. LA County Fire Department stamp required for Energy Storage systems.

- 3) Panel layout (show fire pathway and ridge setbacks)

- 4) Roof framing and panel mounting details
 - a. **NOTE- MUST INCLUDE ALL FRAMING DETAILS INCLUDING SIZE, SPACING, SPAN, & GRADE OF RAFTERS OR TRUSSES.** (This is the #1 cause for plan rejection).
 - b. **STRUCTURAL CALCULATIONS ARE NOT REQUIRED where less than 25% of any one roof surface is covered with panels.**
 - c. Indicate point of attachment is staggered (avoiding point loads).
 - d. Indicate roof surface (double layer asphalt shingle not allowed).

- 5) Electrical plan (if new electrical is proposed)
 - a. Single line diagram



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- b. Electrical load calcs (where any portion of the service size is reduced from the utility such as with derated breakers).
 - c. Calculated loads at each section, pipe and conductor sizing.
 - d. LA County Fire Department stamp required for Energy Storage systems.
- 6) Label schedule- Specific requirements for Claremont
- a. Equipment- All equipment must have a label indicating the purpose, rating and feeder. (Example- "Interconnect relay" "200A" "Fed from Main Service Panel, Battery Storage, and PV Array"). NOTE- where multiple inverters or batteries are proposed labels are required for each (Ex- Inverter #1, Inverter #2..)
 - b. Termination labels- Where conductors are terminated on equipment and the terminal itself is not clearly identified, either the terminal or conductor must be labeled to show the point of origin or destination.
 - c. Site placard- if existing or multiple arrays are proposed, each array must be identified on the placard.
- 7) NOTE- Equipment specification sheets are not required where all equipment part numbers are identified on plans.