



Residential Solar Permit Guidelines



Building and Safety Guidelines only

Note - Additional items may be required for compliance with all applicable code provisions and Northern Nevada Amendments.

When applying for a Residential Solar permit in the Accela System, the following information must be entered:

- Description of Work - Must match Scope of Work on plans.
- Contact Information – Applicants name, Phone number and Email address.
- Project Valuation. (The amount of the project contract.)

Plans – Every plan set shall include the following items:

- A Site Plan – Required on all plans- Note- We do not accept Google Earth or similar type maps. A CADD drawn or line type map is acceptable.
- Civil or Structural Engineering design - If ground mounted.
- Architectural design (if applicable).
- Electrical Design.
- Structural Engineering Design. (Required anchorage, roof/truss reinforcement details.)

Supporting Documents:

- **Structural Calculations** - For the existing roof structure along with a stamped verification letter from the engineer indicating that the existing structure is adequate or inadequate to carry the additional load of the new modules and any modifications required.
- **Manufactures equipment Specifications.**

Plan Standards: Per Current State of Nevada Blue Book

- All plan sheets must be uniform in size and legible/readable.
- Be Stamped, Signed and Dated in accordance with NV Bluebook.
- Indicate the Project address, APN, and unit numbers on plans.
- Ensure that the City of Reno EDR Business Rules are followed.

Applicable Adopted Codes:

2018 International Building Code, 2018 International Residential Code, 2017 Electrical Code, 2018 International Fire Code, 2018 Northern Nevada Amendments.



Design Criteria: **Snow Load:** 30 psf (Up to 5100' elevation, see Northern Nevada Amendments for elevations 5100'+) **Wind Speed:** 120 mph **Frost Depth:** 24" **Seismic Category:** D2

Plans -

- **Cover Page-** Shall include a Code Analysis and all climatic and geographic design criteria as established by the Northern Nevada Amendments, a Sheet Index listing each page in the plan set, a Scope of Work and a Vicinity map showing nearest cross streets. Note- the Cover Page shall be stamped by the contractor responsible for the project.
- **Site Plan-** That clearly shows property lines, public and private driveways, easements, setbacks, existing and proposed structures, and the area of work including the location/layout of the proposed modules and required fire access and pathways.
- **Framing Details-** Include all solar racking connections to the roof system. Provide racking connections to wall framing for new battery wall systems (if applicable). Include any new structural installations based on structural calculations (if applicable). Structural plans and details shall be stamped by the engineer.
- **Electrical Plan-** Show wire type and sizing, the ampacity, de-rating and load applied to the conductors. 3-line diagram, minimum overcurrent protection calculation and max overcurrent protection for bus bar calculation. Show the location of all equipment including AC disconnect.
- **De-rated Main Service Panels shall have a permanently applied label indicating the new rating of the panel. Electrical load calculations are required for all de-rated panels.**

Supporting Documents -

- **Structural Calculation-** Structural calculations must include all required design criteria (seismic, wind, snow), and be stamped, signed and dated by the engineer of record.
- **Manufactures Equipment Specifications** – Provide for each piece of equipment being installed.

Inspections:

- Licensed electrical contractor (license holder) or journeyman electrician shall be onsite for all inspections per City of Reno ordinance No. 6400.
- Required certifications shall be made available upon the request of the building official, deputy building official or other building and safety employee acting on his/her behalf.