

SOLAR PERMIT SUBMISSIONS

Solar submittal requirements 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 (follow 2018 IRC/IFC requirements).
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 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 (2020 NEC) Article 690 and 705.
6. **Labeling.** Provide examples of all labeling and location of labeling as required per NEC 690.
7. **Other Specifics.** Provide any other supporting documents.
8. **Ground mounted.** Provide site plan with setbacks and engineered foundation documents.



FAQ'S

How many sets of Engineering Calculations do you require? **1**

Fire setback requirements:

- 1. Eves **0**
- 2. Rakes **3 ft**
- 3. Ridges **3 ft**
- 4. Hips **3 ft**
- 5. Valleys **3 ft**

What are the wind speed requirements?

115 ultimate mph, Exp C

What is the snow load for roof and ground?

30# snow load

Is Zoning, Fire, Utility or HOA approval required?

Zoning, Fire (Commercial-check with local department) and HOA

Documents required:

Engineered stamped electrical diagram

Yes

Structural/Professional Engineering stamp

Yes

Plaques

Yes

Sideview Elevation Drawings

Yes

The following are allowed:

Line tap connections

Yes

Neutral Passthrough

Yes

NG bond

Yes

Production Meter

Yes

Disconnect required

Yes

Adopted Codes:

**Fire 2018 IFC
Electrical 2020 NEC
Building 2018 IBC
Residential 2018 IRC**

