The following are minimum requirements for plan review:

- Completed building permit application and electrical permit application.
- Interconnection request application approved by utility company.
- Site plan for ground mounted PV system, if applicable.
- Engineer’s structural analysis of existing roof structure verifying it is adequate to support the attachment of solar arrays.
- CAB approval for all ocean front single-family, multi-family and all commercial projects.
- HOA approval letter if installing in a HOA community.

Construction Documents:
Drawings sealed by a SC licensed professional engineer, in accordance with the 2018 International Fire Code (IFC), 2018 International Residential Code (IRC) for one and two family dwellings, 2018 International Building Code (IBC) for all other projects and the 2017 NFPA 70 (NEC).
- Must be site specific.
- Make, model and quantity of module, inverter, and racking system certified to the UL 2703, UL 62109 and UL 1741 standard by a Nationally Recognized Testing Laboratory as appropriate.
- Method of sealing/flashung for roof penetrations.
- Connection details to building.
- Roof plan showing location of equipment and if required, fire setbacks.

Electrical Plans:
In addition to the construction documents, include a three-line diagram, or a line diagram that meets the requirements of the NEC. A proper line diagram should include:
- AC and/or DC circuit arc fault protection as required by the NEC or ordinance (if any).
- Inverter listed to the UL 62109 or UL 1741 Safety Standard; photovoltaic module(s) listed to the UL 1703 safety standard. Listings conducted by a Nationally Recognized Testing Laboratory.
- Inverter AC output disconnect location, utility disconnect location and AC output over current protection device rating.
- Location of combiner box(es), disconnect switch, size of source circuit overcurrent protection, if required.
- Service panel bus rating and main circuit breaker/fuse ampere rating.
- Circuit diagram with conduit, wire type and sizes, and/or cable type and wire sizes.
- Equipment grounding and bonding conductors and grounding electrode conductor, if applicable.
- Battery disconnect and overcurrent protection, if applicable.
- List of all appropriate labels and marking per NEC and IFC requirements.

NOTE: A signed and notarized letter stating that all work has been installed per the engineered drawings and manufacturer’s installation instructions will be required at the final inspection.