



SOLAR (PV) ARRAY SUBMITTAL CHECKLIST

Residential Submittals are limited to 600 volts D.C. (NEC 690.7)

**Contractor must be certified as a Distribution Generation Installer in the State of Illinois
Must be a Registered General Contractor with the City of Rock Island to apply for the
installation of Solar systems. A Registered Electrical Contractor with the City of Rock Island is
required to obtain the electrical distribution permit for all solar applications.
Current applicable codes for the City of Rock Island; 2015 IRC, 2015 IBC, 2015 IFC, 2017 NEC
City of Rock Island Zoning requirements apply, when applicable**

- Site Plan or Roof Plan showing the solar array layout **(IFC 605)**
- Roof Mounted Arrays: Show access space dimensions **(IFC 605.11-605.11.2)**
- Indicate any egress windows adjacent to proposed arrays
- Indicate type of array;
 - Photovoltaic panels and modules **(must be listed - UL 1703)**
 - Photovoltaic Shingles **(listed – UL 1703 & roof pitch 3:12 or greater)**
 - Roof Mounted **(IBC 1607.12.5.1 – 1607.12.5.4)**
 - Ballasted roof mounted systems **(roof pitch 1:12 or less)**
 - Ground Mounted **(NFPA 70 – NEC 690)**
- Provide one-line diagram for electrical component path, with all components
- Size of each solar array (scaled) – **(limited to 150' x 150')**
- Indicate existing electrical service panel size and ampacity of busbar **(NEC 705.12(B)(2) ***
does current service meet requirements?
- Indicate all amperage and voltage designations **(Existing and New)**
- Indicate all panel, disconnect, inverter, combiner box locations and show required access
- Indicate bonding and grounding size, location, and path
- Indicate wire schedules and conduit size
- Indicate rapid shut down location
- Indicate signage details and location
- Indicate whether storage batteries are to be used
- Provide all equipment cut sheets and listing
- Provide all manufacturer installation instructions

NOTE: In order to be eligible for solar incentives, rebates or other state offered programs, the State of Illinois Commerce Commission, Title 83, Chapter 1, Subchapter C, Part 468 requires electrical contractors to have their Distributed Generation Installer Certification and provide that number as part of any rebate program.