

# RESIDENTIAL SOLAR

## SUBMITTAL CHECKLIST AND STANDARDS

### SUBMITTAL CHECKLIST

#### Drawings:

- PV array configuration – Photovoltaic arrangement of solar panels in their physical placement and electrical connections.
- Grounding & bonding – Electrical connection between the systems conductive components and the earth.
- Wire management – The routing, organizing, supporting, and protection of electrical wiring from the solar array modules to the inverter and breaker panels.
- Conductors – Wire and cable types for system.
- Rapid shutdown of PV systems on buildings
- Charge controllers
- Disconnects
- Inverters
- Batteries

### SUBMITTAL STANDARDS AND FILE NAMING REQUIREMENTS

#### All drawing sheets must be submitted:

- In a PDF format
- In landscape format in the horizontal position
- With a space reserved in the upper left corner for City Approval stamps
- Drawn to scale with each sheet stating the scale
- As individual sheets
- With a file name allowing for easy identification of the drawing content.  
*Example: CS – Cover Sheet; SP1 – Site Plan; S4.0 – Structural Roof Framing; E2.0 – Electrical Schedule*
- As print ready, i.e. setup properly for printing with title block, no data outside the print page area, etc.

All documents (non-drawing files) must be submitted:

- As searchable PDF files
- With the stamp of an Idaho Licensed Engineer for structural calculations and geotechnical investigation reports

