



TOWN OF ROCKLAND

Building Department

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Per the Inspector of Wires
All code references are 527 CMR 12.00

All applications for permits to wire a PHOTOVOLTAIC SYSTEM must be accompanied with the following information:

Cut Sheets

- Installation Instructions for the frames racks and rails indicating the methods of grounding and interconnection of linear parts.
- Information for the inverter, include NRTL information and output current.
- Information for PV J Boxes and/or Combiner Boxes including NRTL Information.
- Listing information on Splicing Devices used on the module interconnect cables (fine stranded Cable listing).
- Listing information on the Module Cables.
- Type of wire from combiners (J Boxes) to Inverters.
- Source and Output Disconnects information indicating listing for PV installation.

Diagrams

- One line diagram of installation indicating number of strings, operating voltage, maximum current, size of over-current protection, and point of interconnection to utility source.

Calculations

- Show calculations of conductor sizing
 - DC Source Conductors
 - DC Output Conductors
 - AC Inverter Output Conductors
 - If an AC Combiner, Feeders to Utility Disconnect and Point of Interconnection
 - Voltage Ambient Temp Corrections (690.7)
 - Indicate size of equipment grounding conductor (690.45)
 - Indicate size and method of grounding electrode conductor (690.47 (C), (1), (2) or (3))
 - Size over current protection devices

Keep in mind that this list is dynamic and subject to modifications as needed. If this is a poly phase system, please indicate the method in which compliance with 705.40 and 42 is to be achieved.