Proposed Solar Electric System Description
42 Hammond Street, Portland Maine

This application is for installation of a solar electric system on the roof of my residence at 42 Hammond Street in Portland. The proposed system consists of 8 solar modules attached to the main roof of the house in the format shown in attached documents. The Solarworld photovoltaic modules will be attached to the room using S5 miniclips and an aluminum rack system provided by Ironridge. The modules will be mounted on the metal roof in a configuration that is the most compact while still providing enough electricity generation to offset annual consumption in the residence; this location provides the best orientation for the modules without impacting the abutters in any way. Because of the size of the modules they will pass by (overhang) the rake line of the roof by 6 inches. A rapid shut down control box will be mounted on the roof and a control switch for the RSB will be mounted next to the electrical meter. A SMA inverter will be mounted next to the load center in the basement utility room and tied into the grid through the existing load center. Though the inverter has the ability to allow for wiring a separate receptacle for power at times when the grid power is down but the sun is shining, it is not planned to be installed at this time.
The plot plan that is provided is based on a comprehensive survey that was done, with a chicken coop and shed sketched in. The overall dimensions of the house are 32' x 28' (along the street front). (*The entry on the street front no longer exists.)*
I had the system designed by a registered engineer and plan to do the installation myself.

Reviewed for Code Compliance
Not Reviewed for Accuracy
Approved with Conditions
Date: 03/29/17
CITY OF PORTLAND, MAINE RESURGAM