

**APPLICATION & PERMIT TO DO ELECTRICAL WIRING**

(All work shall comply with the State of Connecticut Building Code and any other applicable codes.)

**A LATE FEE OF \$50.00 WILL BE ASSESSED IF APPLICABLE**

Permit No: \_\_\_\_\_

Application Date \_\_\_\_\_

The undersigned hereby applies for a permit to install, alter, electrical wiring as per the following specifications:

**JOB LOCATION:** Lot # \_\_\_\_\_ St. # \_\_\_\_\_ Address: \_\_\_\_\_

Owner: \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_

Builder: \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_

**INTENDED USE OF PREMISES:** \_\_\_\_\_ Will this work create another tenement? \_\_\_\_\_

**TYPE OF JOB:** Residential \_\_\_\_\_ Commercial \_\_\_\_\_ Industrial \_\_\_\_\_  
**CODE EDITION:** 2003 IRC \_\_\_\_\_ 2005 NEC \_\_\_\_\_

**DESCRIPTION OF WORK** \_\_\_\_\_  
\_\_\_\_\_

**TYPE OF SERVICE:**  
New \_\_\_\_\_ Change \_\_\_\_\_ Temporary \_\_\_\_\_ Overhead \_\_\_\_\_ Underground \_\_\_\_\_  
Phase \_\_\_\_\_ Wire \_\_\_\_\_ Voltage \_\_\_\_\_ Switch No. /Size \_\_\_\_\_  
Conduit Size \_\_\_\_\_ Meters Required \_\_\_\_\_ No. of Outlets \_\_\_\_\_ No of Switches \_\_\_\_\_  
Number of Dwellings \_\_\_\_\_ Number of Stores \_\_\_\_\_

**PRIMARY SOURCE OF HEAT:** IF Electric, Required Load Calculations Provided YES \_\_\_\_\_ NO \_\_\_\_\_

Electric \_\_\_\_\_ Total Wattage \_\_\_\_\_ Gas \_\_\_\_\_ Oil \_\_\_\_\_ Solar \_\_\_\_\_ Other \_\_\_\_\_

**Heat Loss Calculations:** Attached \_\_\_\_\_ As Per Plans \_\_\_\_\_ Other \_\_\_\_\_

**SWIMMING POOLS TYPE:** Above ground \_\_\_\_\_ Inground \_\_\_\_\_ Heated \_\_\_\_\_ Unheated \_\_\_\_\_

**PHOTOVOLTAIC:** See Inspector for Additional Requirements.

**BUSINESS:** (Print Name) \_\_\_\_\_ ADDRESS \_\_\_\_\_

LICENSE TYPE: \_\_\_\_\_ NUMBER \_\_\_\_\_ EXP DATE \_\_\_\_\_

**CONTRACTOR :** ( Print Name) \_\_\_\_\_ ADDRESS \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ **ESTIMATED COST OF JOB:** \_\_\_\_\_

I hereby certify that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as an authorized agent and we agree to conform to all of the requirements of the laws of the State of Connecticut.

**Signature:** \_\_\_\_\_ **Date Signed** \_\_\_\_\_

**OFFICE USE ONLY** State Ed. Fee \$.26 per \$1000.00 will be added to permit fee.

Building Permit # \_\_\_\_\_ Permit Type \_\_\_\_\_ Permit Description \_\_\_\_\_

Fee \_\_\_\_\_ + State Ed. Fee \_\_\_\_\_ + Late Fee \_\_\_\_\_ = Total \_\_\_\_\_ Date Issued \_\_\_\_\_ Approved by \_\_\_\_\_

## **Requirements for the issuance of a permit to install a photovoltaic system in Bristol**

**NOTE: A building permit is required for all PV installations.**

Please include in your submission:

A basic site diagram detailing the location of the major components of the system

For ground mount systems a drawing detailing the required zoning setbacks

An electrical one line diagram showing details of all major field installed components. The diagram must have sufficient detail to call out the electrical components, the wire types and sizes and the number of wires in conduits.

Submission will typically include detailed module information, series/parallel configuration of modules, and type and size of junction or combiner boxes. Included should be details of the equipment grounding of the PV array and system grounding of the inverter.

Electrical details to include:

Capacity of existing electrical service

Location of inverter(s)

Total number of modules

Number of modules per string

Wiring configuration of modules

Maximum voltage of any string including cold weather factors

Operating current of parallel connected strings

Location of grid tie with connection details

The type and sizes of any overcurrent devices used in the system

Grounding

Cut sheets to be included with the permit application include:

Inverter(s)

Module nameplate information

Racking information, including installation instructions

Any engineering assessments should be included with permit application

Please visit <http://www.ci.bristol.ct.us>

Click on the Building Department link and you will find pages detailing permit requirements and fees.

## **Requirements for the installation of Electric Heat in existing buildings**

Provide a load calculation detailing the existing building service load and the new service load with the addition of the electric heat.

Provide a heat loss calculation for the individual residences.