



TOWNSHIP OF CRANFORD BOROUGH OF GARWOOD

ELECTRICAL WORK PERFORMED BY A HOMEOWNER



All work must conform to the requirements of the 2014 National Electrical Code (NEC).

If you are submitting an application to do your own electrical work, you must provide the following:

1. Two detailed drawings showing all of the following:
 - a. Size of conductors to be used for each circuit (14, 12, 10 awg, etc.)
 - b. Type of wiring method being used (romex, MC, BX, service cable, etc)
 - c. Overcurrent protection rating for each circuit (15,20, 30, 40 amp etc)
 - d. A complete circuit layout (show lines depicting conductors between each receptacle, switch, and/or lighting fixture being installed.)
 - e. Locations of receptacles, switches , fixtures, and other devices to be installed as part of your project.
 - f. Show size(s) (cubic inch capacity) and type of box(es) (Plastic or metal) used as each fixture, switch, or receptacle location.
 - g. Show GFI protection where required by Section 210.8 of code and/or UL installation requirements.
 - h. Provide minimum/maximum overcurrent protection device ratings found on A/C data plate.
 - i. You must show arc-fault protection for all circuit as required by Section 210.12 of the NEC.
2. Make sure "Homeowner Section" of the folder is completed and signed.

✓ NOTE: All metallic boxes must be grounded in accordance with Section 250.148 and 250.8 of the NEC

If installing a service or subpanel:

1. Two detailed drawings showing:
 - a. Location of panel with all clearances and dedicated space requirement being met.
 - b. Size and type of cable or pipe and conductors being sued for installation.
 - c. All grounding and bonding connections and terminations.
 - d. Size and type (copper or aluminum) of all bonding and grounding electrode conductors.
 - e. Meter location and clearances.
 - f. Cable or conduit support.
 - g. Ampere rating of panel box or service panel.
 - h. Guy wire if mast is installed.
 - i. Ground rod, footing ground or other grounding electrode systems being used.
2. An AIC Affidavit must be submitted in order for the permit to be approved. The information for the AIC Affidavit is obtained from PSE&G.

All drawings submitted must be clear and legible. You will get one copy back that must be on the site for inspections. The homeowner that performed the work must be on site for all electrical inspections.