

# VILLAGE OF PLAINFIELD

## RESIDENTIAL

### ELECTRICAL INSPECTION HIGHLIGHTS

The following list of highlights is intended to be of general assistance, and does not replace the electrical code or village ordinances.

Electrical installation and inspections shall be based on the 2005 National Electrical Code (NEC) and the 2007 Village of Plainfield Building Code.

#### **SERVICE:**

- Attachment
- Box mounting
- Ground rod and clamp (clamp shall be brass)
- Breaker box mounting
- 200** Amp service (minimum)
- Bushings at meter socket entrance and breaker box entrance
- Meter raceway (underground service) under final grade **18"**
- Ridged conduit (for outside exposure)
- Conduit straps
- Ground clamp tags
- Size conductors
- Lot line trenching for service
- Seal off entrance raceway with duct seal.

## INSPECTION HIGHLIGHTS CONTINUED

### ROUGH-IN:

- ❑ 100% Conduit
- ❑ Sufficient receptacles
- ❑ Switched overhead or receptacles for each room or passageway
- ❑ 2-20 Amp circuits – Kitchen
- ❑ Sufficient lighting for stairs
- ❑ Rough-in boxes for smoke detectors
- ❑ Attic and crawl areas (pull chain or switch)
- ❑ Ceiling fans shall have listed support boxes.
- ❑ Install wire at Rough Inspection.

### FINAL:

- ❑ Circuits all labeled.
- ❑ Water Meter strap.
- ❑ All openings covered.
- ❑ 2-20 Amp appliance circuits in kitchen.
- ❑ Test all receptacles for 3<sup>rd</sup> Wire ground and proper polarity.
- ❑ Air conditioner compressor unit. (disconnect)
- ❑ Heating unit. (disconnect)
- ❑ All rooms and passageways have switched lighting.
- ❑ Smoke detectors on each level and all sleeping rooms interconnected.
- ❑ Arc Fault protection required for bedrooms (210-12).
- ❑ Service panels or sub-panels must have 10% free space.

## INSPECTION HIGHLIGHTS CONTINUED

### GFI'S REQUIRED:

- Basement (all convenience receptacles, excluding dedicated single devices for sump ejector, freezer).
- Exterior
  
- Bathrooms and Powder rooms – **20** Amp receptacles with separate resets at each room.
  
- Garage
  
- Kitchen – All counter receptacles

Bathroom wall receptacle shall be supplied by at least one (1) - **20** Amp Branch circuit with no other outlets 210-11(C).(3).

Clothes closet fixtures shall not be open incandescent 410-8 (C).

**CONTACT THE VILLAGE ELECTRICAL INSPECTOR FOR QUESTIONS OR CODE INTERPRETATION @ (815) 439-2937.**