

Residential Requirements at a Glance (2014 NEC)

2014 NEC Requirements - Changes and Commonly Overlooked Items

NEW YORK ELECTRICAL INSPECTION AGENCY

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- 1) **Arc-Fault Circuit Interrupters (AFCI) are required in all residential dwelling units.**
All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit **family rooms, kitchens, dining rooms, laundry rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas** shall be protected by a listed arc-fault circuit interrupter, combination-type, installed to provide protection of the branch circuit. All AFCI devices must be readily accessible (210.12 (A)).
- 2) **Ground-Fault Circuit Interrupters (GFCI) are required in all residential dwelling units.**
All 125-volt, single phase, 15- and 20-ampere receptacles installed in dwelling unit **bathrooms, garages, outdoors, rooftops, crawlspaces at or below grade, unfinished basements, kitchens, and within 6' of all sink areas.** All GFCI devices must be readily accessible (210.8 (A))
- 3) **Interior - Tamper Resistant Receptacles are required in all Residential Dwellings Units.**
In all areas of a Residential Dwelling Unit, all 125-volt, 15- and 20-ampere receptacles shall be listed tamper resistant receptacles. (406.11)
- 4) **Exterior – Damp and Wet Locations - Tamper Resistant & Weather Resistant Receptacles are required in all Residential Dwelling Units.** All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be a listed weather-resistant type. (406.9(A)&(B)) An outlet box hood (bubble cover) installed in wet locations must be listed as “Extra Duty”
- 5) **Exposed Work In Unfinished Basements and Crawlspaces –** Non-metallic (NM) sheathed cable installed on the walls of an unfinished basement must be protected with a listed conduit or tubing (334.15 (B)&(C))
- 6) **Required Receptacle Outlets – In every kitchen, family room, dining room, living room, parlor, library, den, sunroom, bedroom, recreation room, or similar room or area of dwelling units,** receptacle outlets shall be installed in accordance with the following: (210.52(A))
 - a. **Finished Living Areas -** Any wall space 2 feet or more in width within any finished living area, must have an electrical receptacle (outlet) no more than 6 feet from any obstruction or break in the wall (such as a doorway) and no more than 12 feet from the previous electrical receptacle (outlet). (210.52(A)(1)&(2))
 - b. **Kitchens –** A minimum of two (2) 20 amp Small-Appliance branch circuits are required. Also, any countertop peninsula extending 2 feet or more and permanently installed islands must have a receptacle. (210.11(C)(1))
 - c. **Bathrooms –** At least one 20-ampere branch circuit receptacle outlet shall be provided to supply the bathroom. Such circuits shall have no other outlets. *Exception: Where the 20-ampere circuit supplies a single bathroom, outlets for other equipment within the same bathroom shall be permitted to be supplied in accordance with the NEC.* (210.11(C)(3))
 - d. **Laundry Areas -** At least one 20-ampere branch circuit receptacle outlet shall be provided to supply the laundry area. Such circuits shall have no other outlets. (210.11(C)(2))
 - e. **Foyers –** Foyers larger than 60 sf must have receptacles on walls 3ft or greater (210.52(I)).

Are you ready for a Rough Electrical Inspection?

- 1) Building Permits are required. Secure a Building Permit from your municipality prior to beginning work.
- 2) All new circuits are wired, grounding wires are in place, and the raceways and boxes are installed properly.
- 3) If needed, any necessary nail plates are installed.
- 4) The electrical work cannot be covered with insulation, drywall, fixtures, etc. until an inspector has approved it.
- 5) All grounding wires are connected at the outlets.
- 6) Wires do not need to be installed in the panel box for the rough inspection.

Are you ready for a Final Electrical Inspection?

- 1) All of the electric must be finished prior to scheduling the final electrical inspection.
- 2) All circuits must be clearly and properly labeled at the panelboard (circuit breaker box).
- 3) All electrical equipment, receptacles, fixtures, switches, and appliances are properly installed, grounded, and energized.

* Additional fees will be assessed if work is not completed on the final inspection and additional trips are needed

PLEASE CONTACT YOUR LOCAL INSPECTOR IF YOU HAVE ANY QUESTIONS

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