



# PERMIT ADDENDUM – RESIDENTIAL ELECTRICAL RENOVATION

PERMIT \_\_\_\_\_ DATE \_\_\_\_\_

ADDRESS \_\_\_\_\_

Permit approval is subject to the following conditions:

## GENERAL / BUILDING

1. All work shall comply with all applicable codes as adopted and amended by the Village of Glendale Heights.
  - 2006 International Residential Code
  - 2014 Illinois Plumbing Code
  - 2008 National Electric Code
  - 2015 Illinois Energy Conservation Code
  - 2006 International Property Maintenance Code
2. The permit applicant shall be responsible for providing clear access to and means for inspection of all work. Rough inspection of framing, plumbing, mechanical, gas and electrical systems shall be made prior to covering or concealment, and before fixtures or appliances are set or installed.

## ELECTRICAL

1. The electric service panel shall be installed in accordance with NEC section 230.70. It shall be located nearest the point of entrance of the service conductors, but cannot be located in a bathroom or storage area.
2. Provide and maintain minimum access and working space about the electric panel:
  - a. 36" deep in front of panel [NEC 110.26(A)(1)]
  - b. 30" wide in front of panel [NEC 110.26(A)(2)]
  - c. 6'-6" headroom in front of panel [NEC 110.26(E)]
3. Aluminum wire is not allowed for use as a conductor. (IRC E3601.6) Neutral conductors shall be white. (NEC 200.6) Grounding conductors shall be green. (NEC 250.19)
4. The electric service panel shall be equipped with grounding electrode conductors to both an exterior ground rod and the street side of the water meter. Bonding shall be provided across the water meter, as well as the hot, cold, and gas piping of the water heater. [NEC 250.4(A)]
5. The use of a shared neutral is limited to (2) circuits on opposite phases. Circuit breakers shall be connected with a handle tie to ensure that both circuits open/close simultaneously. Conductor shall be grouped with cable ties. (NEC 210.4)
6. All wiring shall be installed in conduit (EMT, IMC, or rigid pipe). Flexible Metallic Conduit (FMC) is allowed, but any length exceeding 6 feet requires an independent grounding

## PERMIT ADDENDUM – RESIDENTIAL ELECTRICAL RENOVATION

conductor. The use of plastic pipe or other nonmetallic wiring systems is not allowed, except for specific exterior underground installations. (IRC E3701.2)

7. Wall receptacle outlets shall be installed in accordance with 2006 IRC section E3801.2 and kitchen counter receptacle outlets shall be installed in accordance with 2006 IRC section E3801.4. **(separate handout available)**
8. All receptacles installed in kitchens, bathrooms, garages, laundry rooms, unfinished basements, crawl spaces, outdoors, and within 6 feet of any sink shall have ground-fault circuit interrupter protection. Garage door operators and sump pumps may be connected to simplex outlets. (IRC E3802, NEC 210.8)
9. A minimum of (2) 20-ampere small appliance branch circuits shall serve all wall and floor receptacle outlets in the kitchen. If installed, a food waste grinder must be on a separate circuit from the refrigerator. (IRC E3603.2)
10. **For any new or replaced ceiling fixture:** All ceiling boxes shall be fan rated except hallways and closets. (IRC E3805.9)
11. Dishwashers and other permanently connected appliances (with motors over 1/8 HP shall have a disconnecting means located within sight of the appliance. [2008 NEC 422.31(C)]
12. No light fixtures or fans may be installed in the “bathtub/shower area” (measured 3 feet horizontally and 8 feet vertically from the lip of the tub or threshold of the shower) unless specifically labeled by the manufacturer for wet locations.

### **FIRE**

1. All residential dwellings, **both new and existing**, are required to have smoke detectors and carbon monoxide detectors.
  - a. A smoke detector is required in every room used for sleeping.
  - b. A smoke detector is required on every floor level.
  - c. A carbon monoxide alarm is required within 15’ of every room used for sleeping.
  - d. Smoke alarms shall be interconnected and hard wired (where access is provided without removal of interior wall or ceiling finishes exposing the structure).

**The above list identifies many of the most common code requirements that apply to residential kitchen and bathroom remodeling projects. It is not a comprehensive list of all code requirements, nor is it intended to take the place of a thorough inspection.**

**I hereby certify that I have read and understand all of the above regulations, and I agree to comply with all of the regulations contained herein.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date