



PERMIT ADDENDUM – RESIDENTIAL REMODELING / ALTERATION

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
 - 2018 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.
3. Door separating the garage and residence shall be solid wood not less than 1-3/8" in thickness, solid or honeycomb steel doors not less than 1-3/8" in thickness, or 20-minute fire-rated doors, shall be weather-stripped, equipped with a self-closing device, and have a U-factor ≤ 0.32 .
4. Where any work is performed that exposes building insulation or otherwise impacts the building thermal envelope, that element shall be modified to meet the following requirements: (IECC R402)
 - a. Wall insulation shall achieve an R-value ≥ 20 (or R-13 cavity + R-5 continuous)
 - b. Attic insulation shall achieve an R-value ≥ 49 (or R-38 wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves)
 - c. Baffles shall be installed or maintained adjacent to soffit and eave vents that maintain an opening equal or greater than the size of the vent, extending over the top of the attic insulation.
 - d. Attic access shall be weather-stripped and insulated to a level equivalent to the insulation on the surrounding surfaces.
 - e. All new or replacement exterior windows and doors shall have a U-factor ≤ 0.32
 - f. Basement wall insulation shall be a minimum R-15 continuous or R-19 cavity.
 - g. Floor insulation for slab-on-grade or above crawl spaces shall achieve an R-value ≥ 30 (or insulation sufficient to fill the framing cavity, R-19 minimum)

Exception: Existing ceiling, wall, or floor cavities exposed during construction need not comply with the above minimum insulation R-values provided that these cavities are filled with insulation.

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5. Basements and every sleeping room shall have at least one (1) operable emergency escape and rescue opening that meets the following opening requirements:
 - a. Minimum Width = 20"
 - b. Minimum Height = 24"
 - c. Minimum Area = 5.0 Sq. Ft. for a window on the ground floor level and 5.7 Sq. Ft. above or below the ground floor level.
 - d. Maximum Height (from floor to sill) = 44"
6. For any emergency escape and rescue window located below the adjacent ground level, a window well must be provided that meets the following criteria:
 - a. Minimum Width = 36"
 - b. Minimum Depth = 36"
 - c. Minimum Area = 9 Sq. Ft.
 - d. Maximum Height (without a ladder) = 44"

If the window well is higher than 44", a ladder must be provided within the window well that projects from the wall at least 3" and no more than 6".

7. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 inches or more in diameter. (IRC R312.2)
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PLUMBING

1. All plumbing work requires a permit. All work shall be inspected by a State of Illinois certified plumbing inspector.
2. All existing plumbing that may pose a health or safety hazard shall be modified to meet the 2014 State of Illinois Plumbing Code.
3. The following tests shall be performed at the time of rough inspection:
 - a. A stack test is required on all new waste and vent piping
 - b. 75 psi air test (or water test) is required on all new water piping.
 - c. 25 psi air test is required on all new gas piping.

MECHANICAL

1. Range hoods are required for all kitchens. (IRC M1503.1)
2. Bathrooms shall have 50 CFM (min.) mechanical ventilation and shall exhaust directly to the outside. (IRC R303.3) Bathroom exhaust outlets shall be at least 3 feet above or to the side of all operable windows and doors (not below), and 10 feet from any mechanical air intake. (IMC 501.2.1)

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3. Existing HVAC systems that are replaced (in whole or in part) or otherwise modified in any way **shall be equipped with a programmable thermostat**. (IECC 403.1.1)
4. Dryer exhaust shall meet all of the following criteria:
 - a. Only (1) section of flexible duct allowed, not to exceed 8'-0" overall length
 - b. 0.016" (0.4 mm) rigid metal with smooth interior required after initial section of flexible duct (or where concealed), not to exceed 25'-0" overall length
 - c. Joints must run in direction of air flow, without screw penetrations
 - d. Termination shall be equipped with a back draft damper, without a screen, and outside of the building, at least 3'-0" from any opening into the residence
5. Fuel-fired appliances shall not obtain combustion air from any of the following spaces: (IRC M1701.4)
 - a. Sleeping rooms
 - b. Bathrooms / Toilet rooms
 - c. Any area in which flammable vapors present a hazard
6. All new gas pipe and fittings shall be tested in accordance with IFGC section 406.
7. Installation of appliances shall conform to the conditions of their listing and label and the manufacturer's installation instructions, **including the stove anti-tip bracket**. The manufacturer's operating and installation instructions shall remain attached to the appliance. (IMC M1307.1)

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

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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.
13. If installed, a food waste grinder must be on a separate circuit from the refrigerator. (IRC E3603.2)

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 remodeling /alteration 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