



WILL COUNTY LAND USE DEPARTMENT
58 E. Clinton Street, Suite 100 • Joliet, Illinois 60432
815/774-3321 • Fax: 815/727-8638

December 1, 2015

Dear Contractor:

Thank you for registering with the Will County Land Use Department for 2016. You are receiving this letter because you have registered as a siding and / or roofing contractor. I would like to take this opportunity to identify some specific requirements for residential roofing and siding permits. While not an exhaustive list of all requirements associated with each type of residential permit, the following requirements have been identified as the prevailing reasons for failed inspections.

Residential Siding: The Will County Land Use Department began conducting drainage plane inspections on re-siding permits in January of 2015. This drainage plane inspection is in addition to a final inspection and must be performed prior to affixing the exterior wall covering. The drainage plane inspection is being performed in accordance with Sections 703.1.1, 703.2, and 703.8 of the 2012 International Residential Code. The drainage plane inspection will include the following:

- Water-resistive barrier complying with ASTM D 226. The water-resistive barrier shall be applied horizontally with the upper layer lapped over the lower layer at least 2 inches. All seams shall be taped.
- All exterior window and door openings shall be flashed in accordance with the fenestration manufacturer's installation and flashing instructions, or in accordance with the flashing manufacturer's instructions. Typically, flashing manufacturers specify a self adhering butyl tape, not the water-resistive barrier seam tape.

Residential Roofing: The Will County Land Use Department performs a final inspection for roofing. The final inspection will include the following:

- Kick-out flashing / diverters at all roof and wall intersections
- Ice dam protection is required and shall extend from the roof edge to 24 inches beyond the exterior wall line.
- Roof ventilation at a rate of 1 square foot per 300 square feet of attic area
- Drip edge / gutter apron
- No more than two roof covering layers are permitted
- Roof sheathing shall be repaired or replaced if damaged. If more than 50% of an existing roof line requires replacement, the entire roof line sheathing shall be 5/8" if framed 24" on center or 7/16" if framed 16" on center.
- Asphalt shingles shall be used only on roof slopes 2:12 or greater. For roof slopes 2:12 to 4:12, double underlayment application is required.

The Land Use Department looks forward to working with you in 2016. Should you have any additional questions regarding this matter, please do not hesitate to contact me. I can be reached by telephone at 815-774-3367 or by email at msmetana@willcountylanduse.com.

Respectfully,

Michael Smetana, AICP
Chief Building Official and Building Division Director



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December 1, 2015

Dear Contractor:

Thank you for registering with the Will County Land Use Department for 2016. You are receiving this letter because you have registered as an insulation contractor. I would like to take this opportunity to identify some specific requirements. While not an exhaustive list of all requirements, the following requirements have been identified as the prevailing reasons for failed inspections.

- The Will County Land Use Department enforces the State mandated energy code.
- Access panels must be weather-stripped and insulated to the same value as surrounding areas.
- Air permeable insulation shall not be used as a sealing material (use foam around windows).
- For air permeable insulations (cellulose or fiberglass) in vented attics, a baffle shall be installed adjacent to soffit and eave vents (install baffles in each rafter bay that flap down to top plate or install solid blocking adjacent to insulation at outside of wall).
- Insulation shall be in substantial contact and continuous alignment with the air barrier (insulation must be installed in contact with drywall).
- A continuous air barrier shall be installed in the building envelope. Install thermo-ply or wonder board adjacent to tubs and shower bases, plywood at soffits adjacent to exterior walls, 5/8" type X drywall at pre-fab fireplaces, etc. (all must be sealed).
- Air sealing shall be provided between the garage and conditioned space. Provide solid blocking in floor joists separating attics above garages and conditioned spaces.
- Batt insulation shall be cut neatly to fit around, in front of, and/or behind wiring and plumbing in insulated walls.
- All joints in framing shall be sealed. Caulk sill plate to foundation, headers to studs, stud to stud, bottom plate to plywood, etc.
- Compressing insulation is allowed when approved by the manufacturer. The R-value is reduced by R-1 or more when insulation is compressed.
- Closed cell spray foam insulation may serve as an acceptable air barrier.

The Land Use Department looks forward to working with you in 2016. Should you have any additional questions regarding this matter, please do not hesitate to contact me. I can be reached by telephone at 815-774-3367 or by email at mismetana@willcountylanduse.com.

Respectfully,

Michael Smetana, AICP
Chief Building Official and Building Division Director



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December 1, 2015

Dear Contractor:

Thank you for registering with the Will County Land Use Department for 2016. You are receiving this letter because you have registered as a concrete contractor. I would like to take this opportunity to inform you that the current Will County Building Ordinance requires installation of a concrete encased electrode in accordance with Sections 250.50 and 250.68(B) of the 2011 National Electric Code.

- The electrode shall be a minimum of 20 feet or more of #4 rebar or 4AWG bare copper conductor encased in a minimum of 2 inches of concrete installed horizontally located within and the near the bottom of the footing that is in direct contact with the earth.

I would also like to take the opportunity to express the Land Use Department's commitment to performing all pre-pour inspections (footing, foundation wall, and slab) in a timely manner as to not delay concrete delivery / pour times. To help the Land Use Department with this commitment, please identify the time in which you will be ready for inspection and the time in which you are scheduled to begin pouring concrete when calling in the pre-pour inspection.

The Land Use Department looks forward to working with you in 2016. Should you have any additional questions regarding this matter, please do not hesitate to contact me. I can be reached by telephone at 815-774-3367 or by email at mismetana@willcountylanduse.com.

Respectfully,

Michael Smetana, AICP
Chief Building Official and Building Division Director



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December 28, 2015

Dear Contractor:

Thank you for registering with the Will County Land Use Department for 2016. You are receiving this letter because you have registered as an electrical contractor. I would like to take this opportunity to identify several electrical code requirements for Unincorporated Will County. While not an exhaustive list of all code requirements, the following requirements have been identified as the prevailing reasons for failed inspections.

- Installation of a concrete encased electrode in accordance with Sections 250.50 and 250.68(B) of the 2011 National Electric Code is required. The electrode shall be a minimum of 20 feet or more #4 rebar or 4AWG bare copper conductor encased in a minimum of 2 inches of concrete installed horizontally located within and near the bottom of the footing that is in direct contact with the earth.
- In accordance with Section 406.12 of the 2011 National Electric Code, all non locking-type 125-volt, 15- and 20- ampere receptacles shall be listed tamper resistant receptacles. Receptacles more than 5 ½ feet above the floor, receptacles that are part of a luminaire or appliance, and a single receptacle or duplex receptacle for 2 appliances within a dedicated space unlikely to be moved are exempt.
- In accordance with Section 210.12 of the 2011 National Electric Code, All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining 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.

The Land Use Department looks forward to working with you in 2016. Should you have any additional questions regarding this matter, please do not hesitate to contact me. I can be reached by telephone at 815-774-3367 or by email at msmetana@willcountylanduse.com.

Respectfully,

Michael Smetana, AICP

Chief Building Official and Building Division Director