



WILL COUNTY LAND USE DEPARTMENT

58 E. Clinton Street, Suite 100 • Joliet, Illinois 60432

815/727-8634 • Fax: 815/727-8638

INTERIOR SLAB BELOW GRADE INSPECTION CHECKLIST INTERIOR SLAB AT GRADE INSPECTION CHECKLIST STAIRS BEFORE POUR INSPECTION CHECKLIST

This checklist is intended for use to prepare for an inspection. This is only a general list and is not intended to address all possible conditions. References are to the 2012 International Codes (R = Residential, B = Building, M = Mechanical, FG = Fuel Gas, F = Fire), 1997 Illinois Accessibility Code (IAC), 2011 National Electric Code (NEC), 2014 Illinois State Plumbing Code (ISPC), 2015 International Energy Conservation Code as amended by the State of Illinois (IECC), 2014 Will County Building Ordinance (WCBO).

**The Land Use Department requests that inspections be requested 48-hours in advance.
Please verify the following before scheduling for inspection:**

1. The building permit or copy thereof shall be kept on the site of the work conspicuously posted and visible from the public right-of-way. (*WCBO 150.008-E-4*)
2. Approved plans must be on site for all inspections. (*WCBO 150.031-G*)
3. Safe access (ladder or temporary stairs) shall be provided as per OSHA rules and regulations. (*WCBO 150.008-I*)
4. If individuals are present for the inspection, at least one of the individuals shall be over the age of 18. (*WCBO 150.008-I*)
5. Failed inspections shall be subject to re-inspection fees in accordance with Chapter 158 of the Will County Code of Ordinances.
6. If applicable, underground electrical, plumbing, and HVAC inspection approval has been secured. (*WCBO 150.008-I-13*)
7. Radon mitigation (*420 ILCS 52, Illinois Radon Resistant Construction Act*)
8. A 4 inch thick compacted stone base shall be placed on the prepared subgrade. (*R506.2.2; WCBO 150.051-I*)
9. A 6-mil polyethylene or approved vapor retarder with joints lapped 6 inches shall be provided in heated garages, utility buildings, and other accessory buildings. (*R506.2.3; WCBO 150.051-J*)
10. A 6-mil polyethylene or equivalent flexible sheeting shall be placed on top of the gas permeable layer with joints lapped 12 inches. The sheeting shall fit closely around any pipe, wire, or other penetrations. All punctures or tears in the material shall be sealed or covered with additional sheeting. (*420 ILCS 52, Illinois Radon Resistant Construction Act; R506.2.3*)
11. All structures and accessory structures (greater than 200 sq. ft.) shall be required to provide a minimum of 4 inch thick slab. A snap line indicating pour height shall be present. (*WCBO 150.051-I*)
12. 4 inch thick slabs in garage shall be sloped towards garage doors. A snap line indicating the pour height and slope shall be present. (*R309.1*)
13. The common wall between the garage and house shall be protected by a minimum 4 inch gas curb. (*WCBO 150.051-M*)
14. For concrete stairs, the maximum riser height shall be 7 $\frac{3}{4}$ inches and the minimum tread depth shall be 11 inches when nosing is not present (10 $\frac{3}{4}$ inches when nosing is present). Concrete thickness shall be a minimum of 4 inches. (*R311.7.5.1 and R311.7.5.2*)
15. Slab on grade insulated per approved plans or per code. R-10 to a point 24 inches below grade vertical and horizontal. R-5 to be added for heated slabs. (*IECC Table 402.1.2 footnote d and 402.2.10*)
16. If indicated on approved plans, dowels shall be installed. (*R301.1*)

WILL COUNTY LAND USE DEPARTMENT

58 E. Clinton Street, Suite 100 • Joliet, Illinois 60432

815/727-8634 • Fax: 815/727-8638

17. If indicated on approved plans, thickened slab (grade beam) shall be provided.
18. If indicated on approved plans, rebar shall be installed.
19. If indicated on approved plans, wire mesh shall be installed. Wire mesh shall be lapped 6 inches.
20. After the first frost, it is the discretion of the Building Official if flat work can continue. Flat work is allowed if the temperature of the concrete is maintained at 50 degrees for seven (7) consecutive days after concrete placement.
21. The use of salamanders, or other equipment that exhaust flue gases into the area above concrete floors must be avoided, because of the danger of carbonation to the fresh concrete.
22. The I.C.C. Code Council and American Concrete Institute ACI – 318 provides for alternates for the above. High early strength may be used to substitute the following guidelines. An increase in the amount of cement to a minimum of a 6-bag mix and maintaining the concrete at 50 degrees for 3 consecutive days provides an option for the builders. Additionally, admixtures for high early strength may be added in accordance with the manufactures requirements.
23. The use of visqueen and straw are not an acceptable means of protection, insulated blankets only.

INSPECTION NOTES

Date:

Time:

Permit Number:

Inspection:

Inspector:

Result: