



WILL COUNTY LAND USE DEPARTMENT

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

815/727-8634 • Fax: 815/727-8638

TRENCH FOUNDATION 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. Footings for single family dwelling units and commercial/industrial buildings containing no basement or crawl space are permitted provided a minimum twelve (12) inch width and a minimum of forty two (42) inch depth below grade is specified. This depth is to be measured below grade. Where the foundation wall extends through the over dig, reinforcing bars shall be provided and shall extend into the adjacent foundation. (*WCBO 150.051-C*)
7. Bottom of footings, shall be not less than three feet, six inches (3'6") below finished grade, except where placed on verified, solid bed rock. Minimum size of footings shall be 10" x 20" with standard "keyway", or as approved by the building official. (*WCBO 150.051-D*)
8. All columns supporting beams must bear centrally on a minimum 36" x 36" x 12" deep concrete pier footing. Rivet, weld or bolt top of steel column to steel girders (or lag screw to wood girders) and anchor bottom by bolts or embed in concrete. Column footings shall be protected from frost. (*WCBO 150.051-H*)
9. A grounding 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. (*WCBO 150.113-G; NEC 250.50; NEC 250.68-B*)
10. The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding one unit vertical in 10 units horizontal. Footings shall be stepped where it is necessary. A tolerance of no more than 12 inches is allowed when footings are stepped. (*R403.1.5*)
11. If indicated on approved plans, rebar shall be installed.
12. Codified dimensions are minimum standards. All dimensions shall comply with approved plans.
13. Area of excavation shall be dry and debris free. Pumps shall be on-site when water is observed. When questionable soil conditions are found, the building official shall determine

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- whether to require a soil test to determine the soil's characteristics. The test shall be performed by an approved agency. (*R401.4*)
14. Foundation walls may be poured when the temperature is 40 degrees Fahrenheit or above. When temperature falls below 40 degrees Fahrenheit, ACI 318 cold weather requirements shall be followed. (*WCBO 150.050-B*)
 15. Concrete shall be maintained at a temperature of not less than 50 degrees Fahrenheit for a minimum of 7 consecutive days. (*WCBO 150.050-B*)
 16. Insulated blankets shall completely cover and be securely fastened to both sides and the forms must be left in place for a period of no less than three consecutive days. (*WCBO 150.050-B*)
 17. Spot surveys are required for all new construction and must be submitted after the foundation is completed and prior to any framing or any other work being constructed upon the foundation or site. The spot survey shall depict all lot lines, building lines, side yard lines, easements and top of foundation elevation for the entire perimeter of the foundation as referenced to U.S.G.S. Datum. The survey must also bear the seal and signature of a registered land surveyor of the State of Illinois. No work shall proceed beyond backfill until spot survey approval is issued by Will County Land Use Department. Exceptions: Ag exempt structures and structures located on parcels more than 2.5 acres in size. (*WCBO 150.008-H*)

INSPECTION NOTES

Date:

Time:

Permit Number:

Inspection:

Inspector:

Result: