

Limerick Township Required UCC Inspections

The following is a list of inspections and their description. This list is not all encompassing but is intended to be a general guide for those who are unfamiliar with Limerick Township's required inspections. The inspector may require more or less inspections than listed. Failure to call for inspections may result in the removal of materials; the requirement of seeking an approval from an engineer; or other method as required for the inspector to ensure code compliance has been met. Please be sure to make an inquiry if you are not sure when you need an inspection. It is also permitted to schedule more than one inspection at the same time, if approval is given by the inspector.

For all projects, the approved plans shall remain onsite and the property address shall be posted and shall be clearly visible from the road at the time of the first inspection.

- **Footing (pier, strip, spread, pad)**

This inspection is performed before any concrete is poured. All forms shall be in place; all excavations shall be neat; over-excavations shall be formed as necessary; all reinforcing steel (rebar) shall be in place and shall be supported on chairs with proper clearance to soil; holes and excavations shall be free from excessive water, debris, pipes, utilities, etc.

- **Foundation (concrete wall)**

This inspection is performed before any concrete is poured. All forms shall be in place; all reinforcing steel shall be in place with proper clearance;

- **Foundation (block/masonry wall)**

This inspection is performed after block has been laid. Vertical reinforcing steel shall be in place. The cores where vertical reinforcing steel is been placed shall not be solidly grouted at this time, and shall remain visible for inspection. Clean-out spaces where required shall be accessible for visual inspection.

- **Backfill**

This inspection is performed before any backfill is placed against the foundation walls. The water-proofing or damp-proofing membrane shall be installed (typically parge & tar). Backfilling is not permitted until the top of the foundation wall is secured by the first floor or other approved method.

- **Slab (patio, sidewalk, basement floor, slab on grade)**

This inspection is performed before any concrete is poured. All under-slab utilities shall have been approved. Vapor barrier and insulation shall be installed where required. Slab base shall be free from excessive water, debris, etc.

- **Under-slab (plumbing, mechanical, electrical)**

- Plumbing
 - drain/waste/vent - shall be tested with an air pressure of 5lbs for 15 minutes with a gauge that reads in increments of no more than 0.10 psi OR shall be tested with a 10' head pressure of water above the highest fitting or joint, for 15 minutes. All fittings and pipe shall be exposed for inspection and shall be properly bedded or supported.
 - water distribution – shall be tested with water pressure at not less than the working pressure of the system (80 psi) for 15 minutes. Testing with compressed air is not permitted for plastic piping. All fittings and pipe shall be exposed for inspection and shall be properly bedded or supported.
 - radiant floor heating - shall be tested with water pressure at not less than 100 psi. and shall hold for 15 minutes. Under-slab insulation shall be installed and comply with the mechanical code.
- Electrical
 - conduits and wiring shall be suitable for wet locations and shall be properly supported.

- **Framing**

This inspection is performed when all framing is complete. Truss documents shall be onsite, all fastening brackets shall be in place, attic ventilation baffles installed, beam-to-post connections in place. Portal framing tension brackets shall be exposed for inspection. If engineered products (truss, I-joist, etc) have been excessively cut, an engineer repair detail is required to be onsite. If framing members have been excessively cut, proper framing brackets and strapping devices shall be installed.

- **Rough Electrical**

This inspection is to be performed by a UCC Third Party Inspection Agency, when all rough wiring that is to be concealed, including exterior below grade wiring, has been installed. Exterior wiring below grade shall be inspected prior to backfilling. Interior wiring shall be completed and all outlet boxes installed. An inspection report from the UCC Third Party Inspection Agency describing the portion of the building that was inspected is required to be submitted to the Township.

- **Rough Plumbing**

This inspection is performed when all rough plumbing is installed. Any framing members excessively cut shall be repaired to achieve code compliance. All nail plates shall be in place and the following tests shall be performed:

- drain/waste/vent - shall be tested with an air pressure of 5lbs for 15 minutes with a gauge that reads in increments of no more than 0.10 psi OR shall be tested with a 10' head pressure of water above the highest fitting or joint, for 15 minutes. All fittings and pipe shall be exposed for inspection and shall be properly bedded or supported.

- water distribution – shall be tested with water pressure at not less than the working pressure of the system (80 psi) for 15 minutes. Testing with compressed air is not permitted for plastic piping. All fittings and pipe shall be exposed for inspection and shall be properly bedded or supported.

- **Rough Mechanical**

This inspection is performed when all rough mechanical items are installed. This includes duct work, gas piping, vent pipes, etc. Any gas piping will be required to have an air test of 5 psi and shall hold for 15 minutes with a gauge that reads in increments of no more than 0.10 psi. All duct work shall have the joints taped or mastic coating applied where required.

- **Rough Fire**

This test is performed after the rough piping is installed. A hydrostatic test of 200 psi for 2 hours is required and the test shall not lose any pressure during the 2 hour period. Rated walls shall be labeled per code and fire inspector requirements. Fire and Smoke dampers shall be installed. All fire related items shall match the approved plans.

- **Above Ceiling**

This inspection is performed prior to installing ceiling tiles or concealing a floor ceiling assembly. All of the above ceiling mechanical, electrical, plumbing, fire, etc shall be installed for inspection. If items are not visible from floor level or require a close visual inspection, means to provide access for close inspection shall be provided for by the site representative, at the request of the inspector.

- **Energy Conservation**

This inspection is performed when all insulation is installed. Insulation shall be neatly cut around obstructions, such as electrical outlet boxes. Insulation is not permitted to be compressed behind duct work or plumbing. Sealing of wall joints and framing members shall be completed.

- **Wallboard**

This inspection is performed when wallboard installation is complete. When rated wallboard is required, the manufacturers' identification shall be visible. If multiple layers of wallboard for rated assemblies have been specified on the approved plans, an inspection will be required before both layers are completely installed.

- **Final**

All items are required to be completed. This inspection, as applicable will include live testing of fire related systems; electrical outlets; plumbing fixture temperature; etc,