



Village of Lombard

Building Division / Community Development Department
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New, State-Mandated Energy Code Takes Effect

As of January 1, 2015, the State of Illinois has adopted the 2015 International Energy Conservation Code as the new Illinois Energy Conservation Code. Consequently, any permit issued after January 1 will be required to comply with this, more stringent group of requirements. Some of the revisions affecting residential construction include:

Component	Requirement (2015 IECC)
Window U-Factor	.32 or less
Attic/Ceiling R-Value	R-49
Basement Wall R-Value	R-10 (continuous) –or - R-13 (installed between studs)
Crawl Space Wall R-Value (to a minimum of 4' below grade)	R-10 (continuous) –or - R-13 (installed between studs)
Lighting	At least 75% must be high-efficiency fixtures

The following requirements are new as required by the State of Illinois:

- 1. Required Duct Leakage Testing** – If heating or air conditioning ducts are located outside the conditioned envelope of the structure (attic, exterior walls, other unconditioned space), duct leakage testing, by a qualified testing company will be required for the entire system. This testing company must be certified by a recognized agency such as BPI (Building Performance Institute) or HERS (Home Energy Rating System). This test may occur before the rough inspection (for ease of access to necessary corrections) OR (not recommended) before the final inspection. This requirement applies to new homes as well as additions or alterations (remodeling) where new ductwork has been installed.
- 2. Blower Door Testing** – All new houses must be tested and verified as having an air leakage rate of not exceeding 5 air changes per hour at a pressure of .02 inches of water gauge. This testing company must be certified by a recognized agency such as BPI (Building Performance Institute) or HERS (Home Energy Rating System). This requirement does not apply to additions.
- 3. Mechanical Ventilation (Mandatory)** – All new houses shall be provided with a whole-house mechanical ventilation system as designed in accordance with Section R403.5. The whole-house mechanical ventilation system shall consist of one or more supply or exhaust fans, or combination, and associated ducts and controls. Local exhaust or supply fans are permitted to serve as such a system. Outdoor air ducts connected to the return side of an air handler shall be considered to provide supply ventilation.

If you have any questions please contact the Building Department at 630-620-5750 or email buildingdivision@villageoflombard.org.