

**Building Code Amendments VC 5-1-13**  
**2009 International Energy Conservation Code**

**5-1-13: AMENDMENTS TO IBC/2006:**

*The below are 5-1-13 "Item" #s, Sections and Sub-sections to be amended with **Highlighted** changes in the following respects:*

Item

17. That Section 109.3 changes shall read as follows:

**109.3 Required inspections.** The building official, upon adequate notification, shall make the inspections set forth in Sections 109.3.1 through 109.3.10. Plans and jobsite inspection communications shall use the English language.

**109.3.1 JOB ACCESS:** A safe and reasonable access shall be provided to all buildings or structures. This includes a dry gravel walkway, non-slip platforms secured so they do not move around or any other item the inspector considers safe. If a safe access is not provided, the inspector may not perform the required inspection until a safe access is provided. Guards shall protect all floor and foundation openings.

**109.3.2 JOB SITE CONDITIONS:** Any building or structure that is to be inspected shall have all floors and levels accessible and shall be clean of all debris and obstructions so a visual inspection of all the construction can be performed. Ladders or levels greater than 12 inches are not considered accessible.

**109.3.3 FOOTING INSPECTIONS:** Are made after all the footings are formed but before the concrete is placed. A minimum 2 hours inspection request is required. These inspections may be called in.

*See Section 109.3.7.1 d. for cold weather footing inspection restrictions*

**109.3.4 UNDERGROUND PLUMBING AND DRAIN TILE:** Are made prior to pouring any concrete for the floor/crawl space and before backfilling. Inspection request cards to be completed and returned to the Building Department a minimum of 24 hours before the inspection is required.

**109.3.5 PLUMBING, ELECTRICAL AND MECHANICAL:** Rough inspections are made prior to covering or concealment of construction materials, and prior to a framing rough inspection. All rough inspections, including the framing, shall be approved prior to any finishes or coverings being installed. Inspection request cards to be completed and returned to the building department a minimum of 24 hours before the inspection is required.

**109.3.5.1 FIRE PROTECTION SYSTEMS:** Before any rough inspections are made by the village, fire protection system plans and inspections of enclosed fire system components, shall be approved by the appropriate fire district authority, Village or consultant.

**109.3.6 FRAMING ROUGH:** Inspections are made after all framing, fire blocking, draftstopping, wall bracing, roofing, windows and doors are in place for structural stability and weather proofing and after the plumbing, electrical, fire and mechanical rough inspection are made but prior to installing any insulation. An inspection request card is to be completed and returned to the Building Department before any construction is covered and at least 24 hours before the inspection time is requested. Construction shall conform to the code and plans reviewed for permit approval.

**109.3.6.1 ENERGY CONSERVATION:** Materials, equipment and insulation shall be **inspected and approved for minimum requirements before cover-up as required by the International Energy Conservation Code, adopted by the State of Illinois and referenced in Chapter 13 of this code.** Chapter 1 of the Energy Code shall use the administrative characteristics of the Building Code amendments.

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**Item**

**17. That Section 109.3 changes *continued*:**

**109.3.7 CONCRETE INSPECTIONS:** Are required for all flat work, interior and exterior, including but not limited to driveways, sidewalks, crawl spaces and basements prior to placement. A minimum 2 hour inspection request is required. These inspections may be called in.

**109.3.7.1 COLD WEATHER REQUIREMENTS:** The following requirements for cold weather exterior concrete flatwork placement (sidewalks, drives, patios, etc.) will be in effect November 15<sup>th</sup> with the possibility of an extension to December 1<sup>st</sup> or reduction to an earlier date with the approval of the code official when weather conditions allow:

- a. No concrete shall be placed on a frozen base or sub base,
- b. Outside air temperature must be a minimum of 32 degrees Fahrenheit before concrete can be placed,
- c. If night time temperature is to fall below 32 degrees Fahrenheit, then protection consistent with the intended serviceability of the structure shall be provided.  
  
Straw - 5 days, Insulated blankets - 3 days  
Straw or blankets directly in contact with the concrete may cause the concrete to discolor.
- d. Placement of concrete (footings and foundation walls), when the air temperature is less than 20 degrees Fahrenheit is not permitted unless approved by the code official.

**109.3.8 OTHER INSPECTIONS:** In addition to the inspections above, the Building Department may make or require any other inspections to ascertain compliance with this code and other laws enforced by the Building Department.

**109.3.8.1 “AS BUILT” SURVEYS WILL SHOW (PRIOR TO ANYCONSTRUCTION BEYOND THE FOUNDATION):**

1. Actual foundation footprint and location, and
2. All foundation steps and brick ledge locations/elevations.

**109.3.9 SPECIAL INSPECTIONS:** Where applications for unusual design or magnitude of construction are filed or where code referenced standards in Chapter 35 or is required by Section 1704.0 for special inspections, the code official may require such inspections. The project representative shall submit reports as required by code and code official.

**109.3.10 FINAL INSPECTION:** Upon completion of the building or structure for occupancy (including the final grading complying with Section 109.3.10.1 and the completion of any other work required in the approved plans, and this code) and before the issuance of the certificate of use and occupancy required in Chapter **110.0**, a final inspection shall be made. All violations of this code, the approved plans, and permit shall be noted and the holder of the permit shall be notified of the discrepancies.

**109.3.10.1 FINAL GRADE CERTIFICATION (PRIOR TO OCCUPANCY):**

Permit applicant shall submit certification stating property as developed conforms to the approved engineering grading plan and the proposed survey.

## **Building Code Amendments VC 5-1-13 2009 International Energy Conservation Code**

### **Item**

129. That Subsection 1301.1.1 shall read as follows:

#### **1301.1.1 CRITERIA:**

Buildings shall be designed and constructed in accordance with Section 1302 and the 2009/IECC (International Energy Conservation Code/2009 Edition), 1<sup>st</sup> printing and as regulated by the State Of Illinois with the following amendments:

The 2009 International Energy Conservation Code (IECC) shall be added to the ordinance with amended code Subsections to read as follows:

That Sub-section 101.1 shall be revised to read a follows.

**101.1 Title.** This code shall be known as the *International Energy Conservation Code of Orland Park, Illinois* and shall be cited as such. It is referred to herein as "this code."

That section 101.4.7 shall be added to read as follows:

**101.4.7 Conflicts.** When a conflict occurs between the Building Code and the Energy Conservation Code the Building code shall take precedence

This code Subsection shall read as follows:

**104.2 Required approvals.** Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the *code official*. The *code official*, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the *code official*.

Approved thermal envelope insulation and equipment shall be inspected prior to the enclosure of products

This code Section shall read as follows:

**104.4 Reinspection.** A building shall be reinspected when determined necessary by the *code official*. See Village Code Title 5 Chapter 2 for re-inspections fees when required.

This code Section shall read as follows:

**107.2 Schedule of permit fees.** A fee for each permit shall be paid as required, in accordance with the schedule as established in the Village Code Title 5 Chapter 2 .

This code Section shall read as follows:

**107.3 Work commencing before permit issuance.** Any person who commences any work before obtaining the necessary permits shall be subject to an additional fee established by the Village Code, which shall be in addition to the required permit fees.

This code Section shall read as follows:

#### **Section 109 Means of Appeals**

**109.1 See Village Code 5-1-13 Section 112 for means of appeals.**

This code Section shall read as follows:

**That Chapter 6 immediately after ICC Referenced Standards shall read as follows**

**ICC International Code Council Inc.**

**500 New Jersey Ave, NW**

**6<sup>th</sup> Floor, Washington DC.**

**IBC – 2006**

**IFC – 2006**

**IMC – 2006**

**IRC -- 2006**

***ICC references the 2009 Standards which have not been adopted by the Village at this time.***

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**Item**

130. That Section 1302 shall read as follows:

**1302. RESIDENTIAL INSULATION REQUIREMENTS:**

**1302.1 Minimum R Values**

The IECC classifies Cook Count in Climate Zone 5 for minimum insulation values. Using the IECC as a referenced standard, the minimum R-values for insulating components shall be as follows:

LOCATION	MINIMUM R-VALUE
Exterior walls of wood framing	13 cavity insulation with exterior wall sheathing of R-5. See footnotes in Table 402.1.1 for structural sheathing
Wood Frame Crawl Space Walls	10 exterior or interior sheathing or 13 for wall cavities
All Ceilings, flat and sloped	38. See Section 402.2.2 for no attic spaces.
Steel Frame Ceiling Wall and Floor Insulation	See Table 402.2.5
Heated floor slab on grade	10 – 2 feet
Floors above unheated areas.	30 or insulation sufficient to fill cavity, R-19 min.
Exterior foundation walls for habitable spaces below grade.	10 continuous on interior or exterior or R-13 with cavity wall framing on the interior.

See Table 402.1.1 of the IECC Code for additional minimum specific requirements