

2012 International Codes®

New Codes for a Changing World



New Editions Coming Spring–Summer 2011

2012 International Building Code
2012 International Residential Code
2012 International Fire Code
2012 International Energy Conservation Code
2012 International Plumbing Code
2012 International Mechanical Code
2012 International Fuel Gas Code
2012 International Private Sewage Disposal Code
2012 International Existing Building Code
2012 International Property Maintenance Code
2012 International Wildland-Urban Interface Code
2012 International Zoning Code
2012 ICC Performance Code for Buildings and Facilities

New I-Codes Coming Spring 2012

2012 International Green Construction Code
2012 International Swimming Pool and Spa Code

What's New in the 2012 I-Codes?

Key changes include:

2012 IBC®

Nonstructural

- All definitions are included in Chapter 2.
- Classifications for a variety of health-care related facilities have been clarified.
- Covered- and open-mall provisions revised to fully address the construction of open malls.
- Clarified provisions for incidental-use rooms and spaces.
- Modified provisions addressing exterior wall projections.
- Reformatted requirements for protection of vertical openings through floors.
- Automatic sprinkler systems required where furniture and mattresses are manufactured or stored.
- Increased capacity for stairways and other egress components in buildings with sprinklers and an emergency communication system.
- Clarification of when unenclosed stairways can be used as a part of the means of egress system, including how travel distance is measured.
- In three- and four-exit buildings, some exits are now permitted to serve a portion of a story rather than an entire story.

Structural

- Wind design requirements extensively revised.
- Wind load maps are now based on ultimate design wind speeds.
- New terminology for wind speeds.
- Updated seismic ground motion maps.
- The term “occupancy category” changed to “risk category.”
- Special inspection requirements for structural steel and masonry construction are now based on referenced standards.
- Penetration firestop and fire-resistant joint systems in high-rise buildings and in Risk Category III or IV structures require special inspection.
- Modifications to the seismic provisions of ACI 318 Appendix D.

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2012 IRC®

- New Seismic Design Categories maps.
- Wind design including new maps.
- Exterior wall clearances to lot lines.
- Wireless smoke alarms.
- Prescriptive roof connections to resist wind uplift forces.
- Required clearance between townhouse separation walls and roof penetrations.
- Prescriptive requirements for isolated masonry pier foundations.
- Gypsum board under non fire-resistance rated floor assemblies.
- Wall bracing provisions including a new simplified method.
- Prescriptive design of whole-house ventilation systems.
- Gray water recycling systems.

2012 IFC®

- Complete reformatting into eight different parts that correlate to a specific area of regulation.
- New requirements for: photovoltaic solar cells on roofs; mass notification fire alarm systems in large stadiums; portable fire extinguishers in Group A, B, and E occupancies; sub-atmospheric gas systems; and automated LP-Gas cylinder exchange cabinets.
- Revised definitions for health, day and ambulatory care occupancies.
- Clarified automatic sprinkler protection requirements for upholstered furniture.
- Revised requirements for specific dry cleaning plants.

2012 IECC®

- A comprehensive set of changes includes measures to improve the thermal envelope, HVAC systems and electrical systems of residential buildings up to three stories in height.
- Commercial enhancements include required energy savings for windows, doors and skylights; thermal envelope efficiency; and increased efficiencies for installed HVAC equipment.

2012 IPC®

- All plumbing products and materials are now required to be listed by a third party certification agency.
- Requirements for the design of a Siphonic Roof Drainage System have been added.
- Gray water recycling requirements have moved to the body of the code in a new Chapter 13.
- “Hydro-mechanical” and “Gravity” are the new terms for the two general types of grease interceptors.
- Air admittance valves complying with standard ASSE 1049 are now allowed for venting chemical waste systems.
- The length of a combination waste and vent system is now unlimited.
- The Single Stack Vent System method has been added.
- The code expands on suitable materials for pressurized sewage discharge applications and ratings.

2012 IMC®

- New and existing mechanical systems must be maintained in accordance with ASHRAE/ACCA/ANSI Standard 180.
- Parking garage exhaust now defined as environmental air.
- Includes specifications for grease reservoirs in commercial cooking exhaust duct systems.
- Includes requirements for underground grease ducts.
- Requires any combustible material in a return air plenum to be listed and labeled to verify compliance with ASTM E-84 or UL 723.
- Air dispersion systems are now allowed.
- New requirements for evaporative coolers.

2012 IFGC®

- All piping, tubing and fittings in a fuel gas system must bear the manufacturer’s identification.
- Clarification that gypsum board requires reduced clearances to combustibles the same as any other combustible material.
- Requirement of flashback arrestors and check valves in fuel gas systems used with oxygen.

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