

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
Part 1 Administration (Chapter 1)					
R101.2 Scope, Grade Plane	M		Grade replaced by the term Grade Plane determining story		
R 101.2 Scope Live/Work	A		New exception for Live/Work units permitted in IRC		
R 105.2 Work Exempt from Permit	M		Accessory structure exemption from 120 to 200SF. Additional list of electric exemptions	Fences over 7 feet (increased from 6 feet)	
R 106.1.1 Information on construction Documents	M		Braced wall lines identified on construction documents		
R 106.3.1 Approval of Construction Documents	M		Changed "APPROVED PLANS PER IRC SECTION R106.3.1 to "REVIEWED FOR CODE COMPLIANCE"		
Part 2 Definitions (Chapter 2)					
R 202 Definitions, Attic and Habitable Attic	A		"Habitable Attic" defined		
R 202 Definitions, Labeled and Listed	M		Revised for clarity/consistency		
R 202 Definitions, Structural Insulated Panel (SIP)	A		IRC definitions for SIPS to aid in prescriptive methods allowed		
R 202 Definitions, Structural Composite Lumber	A			LVL, PSL, LSL, OSB defined	
Part 3 Building Planning and Construction (Chapters 3-10)					
R301.1.1 Alternative Provisions	M		Recognition of ICC-400 Standard for Log Construction, updated AISI230 Standard for Cold Formed Steel Framing		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R301.2.1 Wind Design Criteria	M			Updated wind speeds ASCE 7-2010, prescriptive provisions for buildings in regions with a wind speed less than 110mph	
R301.2.1.1 Design Criteria	M		ICC-600 replaces older standard for high wind areas, SIP construction recognized		
R301.2.1.2/Table 301.2.1.2 Protection of Openings	M		Windborne debris areas prescriptive requirements on garage door glazing	New map defining windborne debris areas and all glazing requires protection	
R301.2.1.5/Table 301.2.91) Topographic Wind Effects	A		Very limited circumstances; hilltop structures must consider effects of topographic wind speed up (Pacific NW)		
R301.2.2 Seismic Provisions	C		Reorganization of seismic provisions clarify design application within seismic area	General rule & exception replaced by separate rules for 1&2 family and townhouses	
R301.2.3 Snow Loads	M		SIP max snow load of 70 psf		
R301.3 Story Height	M		Floor framing may exceed 16" in height, SIP bearing wall height maximum 10 feet		
R301.5 Minimum Uniformity Distributed Live Loads	M		Deck & Balconies both 40 psf, limited attic storage now considers insulation depth. Attics with fixed stairs have a minimum live load 30 psf	Live load terminology updated with ASCE 7-10 for clarification	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R302.1 and Table 302.1 Fire-resistant Construction at Exterior Walls	M		Renamed and relocated Fire-Resistant provisions of the IRC. Exterior FRRRC must comply with ASTM E 119 or UL263. Fire separation distance requirements no longer apply to buildings on the same lot	The minimum clearances to lot lines reduced from 5' to 3' for unrated exterior wall when fire sprinkler system is installed. Zero lot line homes are permitted to have unrated exterior walls when all subdivision dwellings have fire sprinklers. Also allows for unlimited unprotected openings and penetrations	
R302.2 and 302.3 Dwelling Unit Separation	M		Town houses are permitted a 1- hour common FRR wall w/ASTM E 119 or UL263.		
R302.2.2 Parapet Exception	M			When a parapet is not installed no penetrations allowed within 4 feet of separation	
302.4 Rated Penetrations for Dwelling Unit Separation	M		Relocation of provisions, editorial changes clarify exceptions, modifications for electrical boxes more accurately represent accepted practices for FRRRC		
302.5 Garage Openings and Penetrations	M		Relocation of garage fire-resistant construction provisions and penetration requirements reference fireblocking provisions		
302.5.1 Garage Opening Protection	M			Doors between garage and dwelling unit now require self-closing devices.	
302.6 and Table 302.6 Garage Separation	C		Relocation and reformatted provisions, table added for clarity		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R303 Mechanical Ventilation	M			When used, mechanical ventilation requirement must be in accordance with R1507. Whole-house mechanical ventilation system required when blower door testing determines the air infiltration rate is less than 5 ACH.	
R303.5 Ventilation Intake Openings	M			Minimum vertical clearance between a contaminant source and an outdoor air intake below has increased from 2 feet to 3 feet.	
305.1 Minimum Ceiling Height	M		Reorganized for clarity and exceptions for projections have been removed. Bathroom change at fixture.		
308.1.1 and 308.3 Identification of Glazing and Human Impact Loads	M		ANSI Z97.1 alternative test procedure to CPSC 16 CFR 1201 for safety glazing		
308.4 Hazardous Locations Requiring Safety Glazing	M/C		Reorganization of section for ease of use.	Reorganized numbered list of locations now has individual section with descriptive title.	
R308.4.5 Glazing and Wet Surfaces	C			Consolidated provisions for glazing and wet surfaces near tubs and swimming pools.	
R308.4.6 Glazing Adjacent Stairs and Ramps	M			Minimum height of glazing adjacent to treads is 36" or safety glazing is required	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R308.4.7 Glazing Adjacent to the Bottom Stair Landing	M			Safety glazing is required within 60" horizontally for any glazing installed 36" or less above walking surface	
R309.5 Garage Fire Sprinklers	A			Non-rated exterior garage wall permitted to be constructed on lot line when all subdivision dwellings have fire sprinklers	
R310.1 Emergency Escape and Rescue Openings	M/C		Habitable attics require EE&RO	Max sill height measured from finished floor to bottom of clear opening.	
R310.2.2 Window Well Drainage	A			Drainage system required, except well-drained soil areas	
R311 Means of Egress	M		Simplified and clarifies egress ends when occupant reaches grade, clear opening of door		
R311.3.1 Floor Elevations at the Required Egress Door	C			Exception allowing 7-3/4" landing below the top of threshold, ONLY applies to exterior side	
R311.7.2 Stairway Headroom	M		Added exception for the side of treads of open stairs passing thru floors maximum projection of 4 ¾ allowed		
R311.7.3 and R311.7.4 Stair Treads and Risers	M		New walkline provisions for winders, a new exception permitting winders use in a stairway of otherwise rectangular treads		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R311.7.5 Stair Treads and Risers	C			Reorganization of the provisions for treads and risers places related information in the corresponding sections and creates a separate section for winders.	
R311.7.6 Landing for Stairways	M			Curved/angular landings allowed when prescriptive requirements are met	
R311.7.7 Handrails	M		Transition fittings are now permitted to exceed max height 38" and clarification all handrails must have rounded edges		
R312 Guards / Guards and Window Fall Protection	M		Vertical distance is measured vertically to the lowest point within 36' horizontally, fixed seating is considered as floor	Window fall protection relocated from Chapter 6 to Chapter 3. Prescriptive provisions modified consistent with ASTM F 2090	
R313 Automatic Fire System	A		Code change to require automatic fire sprinkler systems in one- and two-family dwellings.		
R314 Smoke Alarms	C/M		Reorganization and alternative systems prescriptive requirements for supervision, Habitable attics require smoke alarms, minor plumbing and mechanical work does not trigger alarm requirements.	Wireless technology may be used in lieu of interconnection	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R315 Carbon Monoxide Alarms	A		Carbon Monoxide alarms required in homes with fuel-fired appliances and in dwellings with attached garages.		
R315.2 Carbon Monoxide Detection Systems	M			Carbon Monoxide detection systems installed in accordance with NFPA 720 permitted	
R316.4 Thermal Barrier	M			New referenced standard, NFPA 275 for thermal barrier material other than ½ gypsum	
R316.5.13 Thermal Barrier for Floors	A			New provisions allow SIP floor	
R317. 1 Locations for Protection Against Decay	M		Protection from decay is now required for wood siding, sheathing, and wall framing less than 2 inches above a concrete slab exposed to weather.		
R317.3 Fasteners and Connectors in Contact with Treated Wood	M		New sections for fasteners and connectors used with preservative-treated or Fire-retardant-treated wood (FRTW)		
R317.4 Wood/Plastic Composites	A		Definition and specific requirements for manufactured wood/plastic composites. Products must be listed and labeled as complying with ASTM D 7032		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R318.1 Subterranean Termite Control Methods	M		When used pressure-preservative-treated wood must meet location requirements of R317		
R319.1 Address Numbers	M		New minimum size of 4" numbers for addressing, with a minimum stroke of ½" and a contrasting background.		
R322 Flood-Resistant Construction	M		Direct reference to ASCE 24 for buildings in floodways and coastal high-hazard V Zones		
R323 Storm Shelters	A		New section when installed must be constructed in accordance with ICC/NSSA-500 <i>Standard for Design and Construction of Storm Shelters</i>		
R401.3 Surface Drainage	M		When not feasible to provide prescriptive 6" within 10' from foundation new language requires drainage away w/o prescriptive slope.		
R401.4 Soil Tests	M		Revised text defines the necessary criteria rather than previous subjective language		
R402.3 Precast Concrete Foundation Materials	M		Minimum specifications for materials used in manufacture of Precast concrete foundations, design and installation.		
R403.1.3.2 Seismic Reinforcing for Slabs-on-Ground with Turned-Down Footings	M		Seismic Design Categories D0, D1, D2 Areas		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R403.1.6 Foundation Anchorage	M		Reorganizes section, clarifies requirements and eliminates allowance of foundation anchorage in brick and solid masonry foundations.		
R403.4 Footings for Precast Concrete Foundation	A		Prescriptive requirements for crushed stone footings in supporting Precast concrete foundations are now in IRC		
Tables 404.1(1) through R404.1(3)	D		Deleted tables for lateral restraint the top of foundation walls of concrete/masonry		
R404.1 Concrete and Masonry Foundation Walls	M		Separated technical provisions for concrete from masonry, ICF's included with concrete, prescriptive concrete provision consistent with Portland Cement Association standard PCA 100		
R404.1.9 Isolated Masonry Piers	A			New prescriptive provisions for construction of isolated masonry pier foundation supporting raised floors	
R404.5 Precast Concrete Foundation Walls	A		Requires engineering, design and labeling requirements to include submittals of design criteria and drawings		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R405.1 Foundation Drainage	M			Requires a filter membrane for perforated foundation drains	
R405.1.1 Precast Concrete Foundation Drainage	A		Specific requirements of foundation drainage pipe 1 foot beyond edge of wall		
R406.4 Precast Concrete Foundation System Dampproofing	A		Panel joints require fill and sealant, exterior below grade surface to be dampproofed		
R407.3 Steel Columns	C		Steel columns must be fabricated of not less than 3-inch-diameter Schedule 40		
R408.1 and R408.2 Underfloor Space Ventilation	M		Reestablishes the 2003 IRC provisions of ventilation of Underfloor area to 1/1500		
R501.3 Fire Protection of Floors	A			With some exceptions the code requires ½ gypsum or equivalent to the underside of floor assemblies	
R502.2.2.1 and Table R502.2.2.1 Deck Ledger Connection	A		Prescriptive methods for securely attaching a wood deck to the dwelling		
R502.7 Lateral Restraint for Wood Joists	C		Clarification lateral support required with installation of engineered wood products		
R505 Cold-Formed Steel Floor Framing	M		Prescriptive provisions of cold-formed steel framing applies to three story buildings		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R507 Decks	M			All deck provisions relocated to a new section. Deck ledger attachment revised to correlate with the NDS	
R602.1.1 End Jointed Lumber	M			End-jointed lumber used in fire-rated assemblies must have a HRA in the grade mark. (Heat-Resistant Adhesive)	
R602.3(1) Fastener Schedule for Structural Members	M		Reorganized and updated table to reflect currently accepted industry standards/practices	Now includes requirements for nailing roof trusses, studs at wall corners, rim board to sill.	
R602.3 and Table R602.3(3) Wood Structural Panel Wall Sheathing Used to Resist Wind Pressures	M		References wind load requirements of R301.2.1 and new requirements for fastening, thickness, span, stud spacing based on design wind speed and exposure.		
R602.3(5) Table, Size, Height, and Spacing of Wood Studs	M		Habitable attic is treated the same a typical roof and ceiling forming an attic in determining stud size/spacing		
R602.6.1 Drilling and Notching of Top Plate	M		When metal plate is required, tie must extend 6 inches beyond opening, the length of nails used reduced to 1-1/2"		
R602.7, Table R602.7.1 Single Member Header	A			Single member headers use under limited conditions	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R602.10 Braced Wall Lines and Braced Wall Panels R602.12 Wall Bracing	M		Entirely rewritten to provide technical accuracy and clarity. No differentiating between interior and exterior braced wall lines.	2012 substantially rewritten, added Section 602.12 Simplified Wall Bracing	
R602.10.1.2 Length of Wall Bracing	M		Lateral bracing relating to wind/seismic placed in separate tables based on building location. Expressed in feet rather than percentage		
R602.10.1 Braced Wall Lines	M			Section reorganized to address braced wall lines only	
R602.10.1.3 Angled Corners of Braced Wall Lines	A		Allows angled wall segments to contribute to the amount of wall bracing in braced wall line		
R602.10.1.4 Braced Wall Panel Location	M		Location requirements now grouped together, max distances limited to combined total of 12.5 feet		
R602.10.1.5 Braced Wall Line Spacing for Seismic Design Categories D0, D1, D2	M		Expands the exception spacing to 35 feet in Seismic Design Categories D0, D1, D2 Areas		
R602.10.2 Intermittent Braced Wall Panel Construction Methods	M		2006 IRC methods groups and considered intermittent to separate them from continuous		
R602.10.2 Braced Wall Panels	M			Information placed in one section. Braced wall panels may be located up to 10 feet from both ends of braced wall line	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R602.10.3 Minimum Length of Braced Wall Panels	M		Recognition of braced wall panels less than 48", not less than 36" in Seismic Categories A, B, and C.		
R602.10.3 Required Length of Bracing	M			Consolidation of information on wall bracing, wind adjustments placed in separate table	
R602.10.3.2 Method ABW: Alternate Braced Wall Panels	M		New figure replaces much of the text, providing clarity.		
R602.10.3.3 Method PFH: Portal Frame with Hold Downs	M		Method used adjacent to door or window, typically used at overhead doors (PFH); figure		
R602.10.4 Continuous Sheathing	M		Extensive revision and expansion to provide more flexibility	Bracing construction methods grouped into single section.	
R602.10.5 Minimum Length of a Braced Wall Panel	M			Braced wall panel minimum lengths are combined in Table R602.10.5	
R602.10.6 and R602.10.7 Braced Wall Panel Connections and Support	M		Connection requirements above and below have been revised, recognizes masonry stem wall.		
R602.10.6 Construction of Methods ABW, PFH, PFG, CS-PF, and BV-WSP	M			All 2009 IRC braced wall panel methods into one section, adding new method BV-WSP	
R602.10.6.5 Wall Bracing for Dwelling with Stone and Masonry Veneer in Seismic Design Categories D ₀ , D ₁ , D ₂	M			Moved from Section R602.12, defines new method BV-WSP	
R602.10.7 Ends of Braced Wall Lines with Continuous Sheathing	M			Consolidation into one section.	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R602.10.8 Braced Wall Panel Joints	M		The exception permitting horizontal joints without blocking in lower Seismic Categories has been deleted.		
R602.10.9 Cripple Wall Bracing	M		Relocated and terminology updated. Required bracing is measured in feet vs. percentage.		
R602.10.9 Braced Wall Panel Support	M			Concrete stem walls 48 "or less that are less than 6" thick require reinforcement similar to narrow masonry stem walls	
R602.11 Wall Anchorage	C		This section only contains provisions related to anchorage of braced wall to concrete and masonry		
R602.12 Simplified Wall Bracing	A			Alternative method to brace detached dwellings located in SDC A, B, C and townhouses in SDC A or B, with basic wind speeds less than 90MPH and Wind Exposure Category A or B	
R602.12.6 Narrow Panel for Simplified Wall Bracing	A			Alternative method for narrow braced panels in accordance with a Section 602.10	
R603 Steel Wall Framing	M		Extensive revision, expansion to clarify and update prescriptive provisions, correlated w/ AISI S230, 2007 edition includes 3-story		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R606.3 and 606.4 Corbeled Masonry	M		Section divided into three sections to clarify requirements, recognizes mortar filled masonry units		
R606.12.2.1 and Table 606.12.2.1	A		Prescriptive requirements for minimum lengths of masonry walls to provide wall bracing. All building in Seismic Design Categories D0, D1, D2 , above grade buildings in SDC C		
R607.3 Installation of Wall Ties	M			Now includes minimum mortar coverage for wall ties in exposed face, embedment.	
R611 Exterior Concrete Wall Construction	M		Completely revised to reflect Portland Cement Association PCA 100, above-ground concrete wall integrated w/ICF		
R612.2 Window Sills	M		Clarify child fall prevention alternatives to the minimum sill height, emergency escape and rescue opening		
R613 Structural Insulated Panel Wall Construction	A		Prescriptive provisions for SIP, limited to two story, 40'x60', 10' wall height SDC A, B, C		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R703 and Table R703.4 Weather-Resistant Exterior Covering	M		Performance requirements for wind resistance have been added to the water resistance provisions. Table changes clarify water resistive barrier requirements, updates fastening requirements to reflect current industry practices		
R703.7.3 Lintels	M		Steel lintels require a shop coat of rust-inhibitive primer or other corrosion protection. 2009 also provides alternative prescriptive method to support veneer, openings up to 18' 3" in length using steel angle and horizontal reinforcement		
R703.7.3.2 Masonry Veneer Lintel	M			Minimum and Maximum heights of masonry veneer established lintels max 18'3"	
R703.7.4 Masonry Veneer Anchorage	M		Minimum embedment & cover dimensions for metal wall ties	Updated tie fastener & air space requirements, table format for ease of use	
R703.7.4.2 Grout Fill Behind Masonry Veneer	M			Mortar is no longer permitted to fill the air space	
R703.8 Flashing	M			Pan Flashing is required on window and door openings when not provided by manufacturer, design professional, or BO	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R703.11.1.1 and 703.11.2 Vinyl Siding	A		Vinyl soffit must be individually fastened in accordance with mfg installation instructions, supporting component. Provisions for vinyl installed over foam plastic sheathing.		
R703.12 Adhered Masonry Veneer	A			Minimum clearance and flashing requirements for adhered masonry veneer on exterior walls. Clearances: 4" from grade, 2" paved, ½" above walking surfaces and flashing at foundation.	
R802.7 Cutting, Drilling, and Notching of Roof Members	C			Reference to R502.8.1, provisions for cantilevered rafters, ceiling joist Taper cut max ¼ depth of member.	
802.11 Roof Uplift Resistance	M			Updated for current standards, simplified for ease of use.	
R804 Cold-Formed Steel Roof Framing	M		Extensive; revised/reorganized prescriptive provisions of cold-formed steel framing applies to three story buildings		
R806 Attic Ventilation	M		Other than wire mesh is permitted, opening dimensions reduced from 1/8" to 1/16". Rewritten provisions for unvented attics	Options to omit attic ventilation in certain areas. Cross ventilation reduction is clarified, 40% min. 50% max. in the upper portion of roof (3')	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R806.5 Unvented Attic Assemblies	C			Clarifies section applies to rafter assemblies of vaulted or cathedral ceilings & updates for climate zones 5, 6, 7, & 8	
R807.1 Attic Access	C		Prescriptive methods to measure height of above required attic access opening		
R905.2 Asphalt Shingles	M		Asphalt shingles must comply with ASTM D7158 or D3161 (wind resistance) Flashing at end of wall requires turn-out		
R905.8.6 Wood Shake Installation	M		3/8 inch minimum spacing between shakes (keyway)		
R903.2.1 Roof Flashing Locations	M			Turn out required at the end of roof/wall intersection	
R903.2.2 Crickets and Saddles	C			Unit skylight flashing in accordance with manufacturer's instructions	
R905.2.7.2 Underlayment and High Wind	M			New requirements for installation of underlayment in high-wind areas	
R905.2.8.3 Sidewall Flashing	M			The use of continuous flashing allowed, use of a <i>J-turn</i> suggested. References Chapter 7 requirements for flashing/counterflashing	
R905.2.8.5 Roof Drip Edge	A			Roof drip edge is required for asphalt shingles	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
R907.3 Recovering versus Replacement of Roofing	M			Hail exposure area is removed and adhered ice barrier may remain in place	
R1001 and R1003 Masonry Fireplaces and Chimneys	M		Added minimum thickness, parging, and lining requirements. Clay flue liners require a non-water-soluble refractory mortar		
R1003.9.1, R1003.3.3 Masonry Chimney Caps and Rain Caps	A			Provisions for commonly used caps consistent w/ASTM C1283	
R1005.7 Factory-Built Chimney Offsets	A			Factory-built chimneys must be vertically installed, no offsets greater than 30 degrees, 4 elbows maximum	
Part 4 Energy Conservation (Chapter 11)					
The City of Galesburg has always amended this section out of the code.					
Part 5 Mechanical (Chapters 12-23)					
M1301 Identification and Certification of Pipe, Tubing, and Fittings	A			Third party certification and identification on pipe, tubing, and fittings used	
M1305.5.1.4.1 and M1308.3 Ground Clearance for Appliances	M		Consolidation of requirements, min 3" clearance from grade, supported in accordance with manufacturers requirements		
M1307.3.1 Protection from Impact	M		Expands requirements beyond garages and carports		
M1411.6 Locking Access Port Caps	M			Now allows for any approved means, not only locking caps	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
M1502 Clothes Dryer Exhaust	M		Focus on the Manufacturer's installation instructions. New table for equivalent length, lengths greater than 25' require permanent identification of developed length. Protection plates required when penetrating framing, 1-1/4" from edge.	Support requirements increased from 4' up to 12'. Ducts must now be mechanically fastened; fasteners must not penetrate more than 1/8". Duct developed length has increased from 25' up to 35'	
M1503.4 Makeup Air for Kitchens Exhaust Hoods	A		Kitchen hoods w/ rating over 400cfm requires synchronized makeup air		
M1506 Exhaust Openings	A			Minimum clearances between air terminations and openings in to the building.	
M1507 Mechanical Ventilation	A			Prescriptive criteria for whole-house ventilation. Kitchen and bathroom ventilation is local	
M1601.1 Above-Ground Duct Systems	M			Exterior wall cavities are not permitted for use as return air plenums	
M1601.3 and M1601.4 Duct Insulation Materials and Duct Installation	M		Alternative testing method for duct insulation materials for smoke and flame spread. Spray foam insulation in specific attic and crawl space applications		
M1601.4.1 Duct Joints, Seams and Connections	M			IRC replaced w/ IMC provisions, reference SMACNA HVAC, Unlisted duct tape not permitted for sealing duct	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
M1601.6 Independent Garage HVAC Systems	A		HVAC may not serve both dwelling unit and the garage		
M1602.2 Prohibited Sources of Outdoor and Return Air	M/C		Unconditioned attics and crawl spaces specifically prohibited source of outdoor or return air	Garage HVAC unit may take return air from garage. Return air may be taken from mechanical room. 10' rule	
M1701 Combustion Air	M		Significant changes for combustion air, Solid-fuel-burning appliances installed to manufacturer's installation instructions and NFPA for oil-fired appliances.		
M1901 Ranges and Ovens	M			Provisions have been updated to match those for gas-fired ranges in Sections G2447.	
M2103.2 Hydronic Floor Heating Systems	A		Insulation is required below Hydronic radiant floor heating systems; R-value visible, thermal break is required between slab and foundation.		
M2104 and Table M2101.1 Hydronic Piping Materials	A		Two polyethylene materials and their associated fittings now recognized		
M2301, M2302 Thermal and Photovoltaic Solar Energy Systems	A			Photovoltaic solar energy systems have been added to the IRC Mechanical system to distinguish them from thermal solar energy systems.	

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
Part 6 Fuel Gas (Chapter 24)					
G2408.2.1 Appliance Installation in Garages	A		Elevation of ignition source not required when installed in enclosed space not opening into a garage. Installation w/no strain on piping connections		
G2409.1 Reduced Clearance to Combustible Materials	C			Gypsum board is specifically identified as combustible material for the purpose of determining clearance	
G2412, G2415 Pipe Identification and Certification	A			Pipe and fittings utilized in a gas systems require the identification of the manufacturer and certification	
G2415.4 Underground Penetrations Prohibited	A		Gas piping is no longer permitted to penetrate the foundation wall below ground.		
G2415.6 Piping in Solid Floors	M		When protective conduit installed in a slab both ends terminating inside a building prohibits sealing of ends. If one end terminates outside, the inside portion must be sealed, outside preventing entry of water and insects and vented.		
G2415.12 Piping Underground Beneath Buildings	M		Prohibits sealing of protective conduit which terminates inside the building.		

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
G2419.4 Sediment Trap	M				New illustration for correct configuration of a sediment trap. Exempts some gas fired decorative fireplaces.
G2420.5 Appliance Shutoff Valve	M		Manifold piping provisions allow shut off at manifold, max 50' from appliance. Appliance replaces the term equipment.		
G2422.1.2.1 Maximum Length of Connectors	M		Appliance connectors max. length increased from 3' to 6'		
G2439.5 Clothes Dryer Ducts	M		Except where determined by manufacturer max. length increased from 25' up to 35'. Label or tag required within 6' of dryer. Protection of duct.		
G2442.4 Prohibited Sources of Outdoor and Return Air	M			HVAC serving only the garage may obtain return air from garage. 10' separation between return air inlets and draft hood/open combustion.	
G2447.5 Vertical Clearance Above Cooking Top	A		Kitchen wall cabinet must have 30" clearance of cook top. Reduced w/ listed appliances or insulating materials installed		
Part 7 Plumbing (Chapters 25-33)					
The City of Galesburg enforces the 2004 Illinois Plumbing Code.					

International Residential Code 2006 – 2012 Significant Changes

Section /Topic	Type	2006	2009	2012	Comments
<i>Part 8 Electrical (Chapters 34-43)</i>					
The City of Galesburg adopts the National Electrical Code. Code review for the 2014 NEC is proceeding.					
<i>Part 9 Swimming Pools, Spas and Hot Tubs (Appendix G)</i>					
AG 105.2 Outdoor Swimming Pool Barrier	C		Prescriptive door alarms must be in accordance with UL 2017		
AG 106 Entrapment Protection for Swimming Pool and Spa Suction Outlets	M		ANSI/APSP-7 is the referenced standard.		