

Code Cycle		Code Discipline (Type)					Code Section (title)	Code Section / Table	Additional Code Section(s) / Table(s)	Type of Code Change				Description of Change	Potential Affects					
2015	2018	Building	Energy	Mechanical	Fuel / Gas	Plumbing	Appendices	(Title of Code Section added, deleted, affected and/or modified by changes)	(Affected Sections or Tables shown below)	(Other Affected Sections or Tables shown below)	Addition	Modification	Clarification	Deletion	A Brief description of the code change is included but it is critical to conduct a thorough review of the full, complete code text. This is strongly recommended and encouraged in order to be most familiar with the changes, how they affect plans review, and field inspections accordingly.	Ordinance	Plan Review	Inspections	Not Affected	Other
X		X						Scope - Accessory Structures	R101.2	R202	-	X	-	-	Code removed area restrictions from 3,000 sq. ft. to "unlimited in area" and increased the allowable height from 2-stories above grade plane to 3-stories above grade plane. Basically, this allows jurisdictions to determine their own regulations as needed for fire safety related or other reasons.	X	X			
X		X						Alternative Materials, Design, and Methods of Construction and Equipment	R104.11		X	-	-	-	Code addition. Code reworded concerning the use of alternative materials, design, and methods of construction and equipment. Code now states alternatives must be equal to or greater than the code prescribed provisions and if rejected, the Building Official must notify them in writing with an explanation as to why the alternative was rejected.		X			
X		X						Existing Buildings in Flood Hazard Areas	R105.3.1.1		-	X	-	-	Now it is the Building Officials responsibility to determine the extent of renovations, requirements, etc. to be applied to buildings located in flood hazard areas.					X
X		X						Information for Construction in Flood Hazard Areas	R106.1.4		-	X	-	-	Coastal requirements, Not applicable in our region.				X	
X		X						Climatic and Geographic Design Criteria	R301.2(1) (Table)		-	X	-	-	Sections included for Jurisdiction to indicate if they are in: a) a "special wind region", or b) a "wind born debris zone". Code change specifies the jurisdiction is to fill in "Yes" or "No" to both of those sections.	X				
X		X						Wind Design Criteria	R301.2		-	X	-	-	Wind Design Criteria was modified to simplify how Architects and Engineers calculate wind speeds and/or convert them.		X			
X		X						Wind Speed Maps	R301.2		-	X	-	-	Not affected, our region does not change				X	
X		X						Component and Cladding loads	R301.2(2) (Table)		-	X	-	-	This change is directly related to the change listed as #3 above and basically states since the wind design has changed, fastening requirements for finish materials on the exterior has changed as well.					X
X		X						Sunrooms	R301.2.1.1.1		X	-	-	-	New regulations for Sunrooms or enclosures constructed out of Pre-fabricated aluminum, fiberglass, wood or other materials has been introduced to the code. Pre-fabricated rooms will be required to comply with AAMA/NPEA/NSA 2100 and be categorized accordingly.		X	X		
X		X						Protection of Openings in Wind Borne Debris Regions	R301.2.1.2		-	X	-	-	Not affected in our area by change				X	
X		X						Wind Exposure Category	R301.2.1.4		-	X	-	-	Code expanded wind exposure category D and eliminated exposure category A in the IRC					X
X		X						Modifications for Topographic Wind Effects	R301.2.1.5.1 (Table)		-	X	-	-	Wind design criteria adjustments for steep grades or slopes. This should not affect us in our jurisdiction.					X
X		X						Floodplain Construction	R301.2.4		-	X	-	-	Adjustment in requirements for buildings being built in a flood plain. Should not affect us as we already have guidelines restricting floodplain construction					X
X		X						Story Height	R301.3		-	X	-	-	This change limits the overall story height and clarifies the intent that stud heights over 10' require an engineered design or alternative standard for gravity loads.		X	X		
X		X						Exterior Walls	R302		-	X	-	-	Lighter Limits on unprotected projections. Can now extend to within 2' of property line when fire blocking is installed in between the rafters.		X	X		

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X		X						Townhouse Separation	R302.2		-	X	-	-	Code modification. Common walls separating Townhomes shall be assigned a fire-resistance rating in accordance with Section R302.2 Item 1 or 2. Common wall to be built as required, limited to no penetrations and extend to the underside of roof decking. Electrical penetrations to be installed per Chapters 34 through 43 and outlet boxes shall be in accordance with Section R302.4. If sprinkler provided, 1-hour wall required. No sprinkler provided, 2-hour wall required. Significant change – Basically omits 2, 1-hour walls in some cases and combines then into one 2-hour wall as a common wall for more efficient construction techniques and it also reduces the probability for jurisdictions to omit the sprinkler requirements and not add the extra protection required for the fire resistance rated separation wall between the units.		X	X		
X		X						Fire Protection of Floors	R302.13		-	-	X	-	Text now allows for penetrations or openings for ducts, vents, electrical outlets / fixtures, piping, etc. This section was also relocated to section R302.13 from section 503.			X		
X		X						Stairway Illumination	R303.7	R303.8	-	-	X	-	Editorial change that impacted stairway illumination requirements for both interior and exterior applications. The code has separated Interior and Exterior Illumination into two separate sections.			X		
X		X						Minimum Habitable Room Area	R304.1		-	X	-	-	Code removed the 120 Sq. Ft. minimum for at least one habitable room. The minimum will now be 70 sq. ft. for all habitable rooms to allow for a more minimalist lifestyle and options for constructing a new home.		X	X		
X		X						Ceiling Height	R305		-	X	-	-	Various editorial changes to ceiling height requirements		X	X		
X		X						Glazing Adjacent to Doors	R308.4.2		-	X	-	-	Modified when glazing is required near a door, basically, if the door swings away from the window and can't hit or impact it, then the window isn't required to be tempered as it was in the 2012 IRC, see code for details.		X	X		
X		X						Glazing and Wet Surfaces	R308.4.5		-	X	-	-	Added language about hazardous locations and added showers, saunas, and steam rooms.		X	X		
X		X						Glazing Adjacent to Bottom of Stair Landing	R308.4.7		-	-	X	-	Code has added area not just directly adjacent to the bottom of the landing. It now includes the areas to the right and left sides of the landing as well, a 180d Arc.		X	X		
X		X						Emergency Escape and Rescue Openings	R310		-	-	X	-	Basic Re-organization of code requirements, no changes to actual code were made.					X
X		X						Emergency Escape and Rescue Openings for Additions, Alterations and Repairs	R310.5	R310.6	-	-	X	-	Section addresses when an Emergency Escape Opening is required when finishing, remodeling or adding on to an existing basement or structure		X	X		
X		X						Means of Egress	R311.1		-	-	X	-	Basic editorial changes to text concerning access to public way. The egress door must have clear, unobstructed access from the structure to the public way.		X	X		
X		X						Stair Risers	R311.7.3	R311.7.5.1	-	X	-	-	Vertical rise max. changed from 12' to 147" before a floor or landing is required and Open risers are permitted as long as those greater than 30" above finish floor line (F.F.L.) do not allow passage of 4" sphere between treads.		X	X		
X		X						Spiral Stairways	R311.7.10.1		-	X	-	-	Changed definition of Spiral Stairway and editorial changes to clarify the requirements, radius, riser heights, tread depth at walk line, etc.		X	X		

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X		X						Alternating Tread Devices and Ship Ladders	R311.7.11	R311.7.12	X	-	-	-	Added sections to allow for use of Alternating tread devices or Ship Ladders in areas that already have a compliant mean of egress or can be used in areas not required to have a means of egress. They cannot be used as a primary means of egress to any space required to have egress.		X	X		
X		X						Ramps	R311.8		-	X	-	-	Allows ramps to be steeper sloped if not part of means of egress		X	X		
X		X						Guard Height	R312.1.2		-	X	-	-	Removed Fixed Seating from the guard requirements, mainly for deck situations where fixed bench seating is installed along the guard railing. The railing need not extend above the seating, only follow standard guidelines as if no fixed bench seating were installed.			X		
X		X						Window Fall Protection	R312.2.1		-	-	X	-	Editorial change for clarification, no technical changes to the requirements.				X	X
X		X						Smoke Alarms	R314		-	X	-	-	A majority of the changes were editorial however, for additions, renovations, etc. in existing homes, if a bedroom is added or created, it must have a smoke alarm and the entire home must be retrofitted with new alarms, they can be battery operated if determined by the AHJ that it would be too costly or require too many modifications to install the hard wiring and back-up system. Code also included language about combination detectors, essentially allowing what is already being done in typical new, residential construction.		X	X		
X		X						Carbon Monoxide Alarms	R315		-	X	-	-	Similar changes to those related to Smoke Alarms (see changes under section R314), retroactive code, and it added the requirement for a Carbon Monoxide detector in all bedrooms equipped with a fuel fired appliance.		X	X		
X		X						Flood Hazard and Coastal High Hazard Areas	R322.1	R322.2, R322.3	-	X	-	-	Modifications for coastal / flood hazard areas. Does not affect our region.				X	
X		X						Mezzanines	R325		X	-	-	-	Mezzanines added to residential code. Note: the term "Loft" has been deleted from the definition of Mezzanine since there are no provisions in the code for lofts.		X	X		
X		X						Minimum Footing Size	R403.1.1		-	X	-	-	Code introduced Minimum Footing Size Tables. There are now 3 tables and they have three foundation types listed for each table. Please note: the footnotes are important as the tables are based from a specific size home and as you increase or decrease the size of the base model in which the tables were created from, you must increase or decrease the footing sizes accordingly.		X	X		
X		X						Continuous Footings and Stem Wall Reinforcement in Seismic Design Categories D0, D1 and D2	R403.1.2	R403.1.3, R602.10.9.1	-	-	X	-	Not applicable in most of our region.				X	
X		X						Foundation Anchorage	R403.1.6		-	X	-	-	Code requires the anchor bolts to be in the center (middle) third of the sill plate.			X		
X		X						Masonry Foundation Walls in Seismic Design Categories D0, D1 and D2	R404.1.4.1		-	X	-	-	Not applicable in most of our region.				X	
X		X						Retaining Walls	R404.4		-	X	-	-	Retaining walls not laterallt supported at the top and that retain in excess of 48" of fill or walls exceeding 24" that resist lateral loads in addition to the soil. (additonal loads can be parking areas, fencing that is subject to wind loads, structures, etc.)					X

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X		X						Floor Joist Spans	R502.3.1(1) (Table)	R502.3.1(2) (Table)	-	X	-	-	This change reflects the changes made by AWC in 2013 when they reduced the spans for Southern Yellow Pine.		X	X		
X		X						Decking	R507.1	R507.4	-	X	-	-	Code added a table for Maximum spacing of floor joists based on type of decking materials installed.		X	X		
X		X						Deck Ledger Connection to Band Joist	R507.2		-	-	X	-	Code clarified the requirements for attaching a ledger board to the rim band.		X	X		
X		X						Alternative Deck Lateral Load Connection	R507.2.4		-	X	-	-	Code now requires a minimum of two (2) hold down devices to be within two (2) feet of the ends of the deck. Code has introduced an option that prescribes four (4) hold downs installed below the deck structure. The hold downs are for lateral loads.		X	X		
X		X						Deck Joists and Beams	R507.5	R507.6, R507.7	X	-	-	-	New code sections for information on deck joist and beam spans, lateral restraint supports, required joist and beam bearing, and deck post to deck beam connections.		X	X		
X		X						Deck Posts	R507.8		X	-	-	-	New code sections that cover deck posts including maximum heights and new footing requirements. Note: deck posts are required to bear directly on the footing with a mechanical hold down for lateral support. If a deck post is recessed in the ground and backfilled, it must rest directly on top of the footing and backfill must be the surrounding soils or concrete and be a min of 12" in depth to prevent lateral displacement of the post at the bottom.		X	X		
X		X						Fastening Schedule	R602.3(1) (Table)		-	X	-	-	Now multiple fastener options, such as nail sizes, are available in the fastening schedules for roofs, walls and floors. Clarification on roof rafter connections at ridge, valley, and hip is added.					X
X		X						Stud Size, Height and Spacing	R602.3.1		-	X	-	-	Changes include rewording of portions of the section and re-arrangement of information within the section. New provisions are established for determining if a "Tall Wall" needs to be "Engineered" or not. Basically, the Old Stud Height tables are omitted from the code and now, there are three sections, or checks, to determine if engineering is required. If the stud wall fails to meet the requirements all three sections, the wall or story is engineered.		X	X		
X		X						Headers	R602.7		-	X	-	-	Code has moved girder and header span tables to chapter 6. Multi-ply and single ply headers are now in one combined table and a new section was added for "Rim-Board" headers. Header support section included.		X	X		
X		X						Bracing Requirements	R602.10.3(1) (Table)	R602.10.5 (Table), R602.10.6.2, R602.10.11, R602.12, R603.9.5	-	X	-	-	Basically, much of the different zones such as wind zones, seismic zones, etc. were modified and as a result, some of the bracing requirements were adjusted to accommodate the adjustments to zones and zone requirements accordingly.				X	X
X		X						Masonry Walls	R606		-	X	-	-	Reorganization of code. Sections R606, R607, R608, and R609 have been organized into one section for masonry construction (residential).		X	X		X
X		X						Grouting Requirements for Masonry Construction	R606.3.5		-	X	-	-	Code modified to clarify grout placement, cleanouts, and construction for all three types of masonry construction.		X	X		X
X		X						Drilling and Notching in Structural Insulated Panels	R610.7		-	X	-	-	Allowances for drilling/notching S.I.P.'s are prescriptive in nature and any deviation requires Engineering.			X		X
X		X						Siding Material Thickness and Attachment	R703.3		-	X	-	-	Changes made regarding Siding thickness and attachment, fastener type, length and penetration.			X		X

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X		X						Wood, Hardboard, and Wood Structural Panel Siding	R703.5		-	X	-	-	Moved min. thickness and attachment requirements to different section R703.5.2 and vertical wood requirements have moved to section R703.5.1					X
X		X						Wood Shakes and Shingles on Exterior Walls	R703.6		-	X	-	-	Basically, this section was modified to make it easier to read and understand wood shake requirements. Exposure lengths have been decreased and water-resistive barriers are now required.					X
X		X						Exterior Insulation and Finish Systems (EIFS)	R703.9		-	X	-	-	Code modified to include limitations for EIFS with and without drainage.					X
X		X						Vinyl Siding Attachment	R703.11.1		X	-	-	-	Vinyl Siding installation was located in a footnote, now it has been added as a new section in the code. Proper fastener installation, spacing, and penetration is essential in this section.			X		X
X		X						Insulated Vinyl Siding and Polypropylene Siding	R703.13	R703.14	X	-	-	-	Basically, the same as vinyl siding, new section for insulated siding. Note: minimum fire Separation distances required if this product is installed.		X	X		X
X		X						Cladding Attachment over Foam Sheathing	R703.15	R703.16, R703.17	X	-	-	-	The sections added to the code were basically a result of the wind speed changes and energy code requirements. When using foam on the exterior with various materials, wood, metal, or masonry, the code now outlines the general requirements accordingly.		X	X		X
X		X						Ceiling Joists and Rafter Tables	R802.4 (Table)	R802.5	-	X	-	-	Code modified to reflect new values for SYP in span tables.		X	X		
X		X						Attic Ventilation	R806.1		-	-	-	X	Code deleted the exception that allows the Building Official to waive ventilation requirements, due to atmospheric or climatic conditions.					X
X		X						Insulation for Condensation Control in Unvented Attics	R806.5 (Table)		-	X	-	-	If unvented attic or unvented rafter spaces table R806.5 has a new footnote that allows the calculations of insulation thickness when the insulation is placed over top of the structural roof sheathing.		X			X
X		X						Underlayment	R905.1.1		-	X	-	-	Multiple codes were combined into this section with three tables listing Underlayment type, application and attachment. Also includes Ice barrier requirements.					X
X		X						Wood Shingle Application	R905.7.5		-	X	-	-	Section expanded requirements for wood shingles					X
X		X						Wood Shake Application	R905.8.6		-	X	-	-	Section expanded requirements for wood shakes					X
X		X						Photovoltaic Shingles	R905.16		-	X	-	-	Section expanded requirements for photovoltaic shingles					X
X		X						Rooftop-mounted Photovoltaic Systems	R907		X	-	-	-	New code section provisions for roof mounted PS.					X
X		X						Compliance Paths	N1101.13		-	X	-	-	Compliance paths have been clarified and the mandatory provisions combined with either the prescriptive or performance provisions are deemed to comply with the code. Basically, this is giving more leeway with trade-offs in lieu of "mandatory" listed items. Alternative, performance-based efficiency is encouraged.		X			X
X		X						Permanent Energy Certificate	N1104.14		-	X	-	-	Energy certificate can now be located on wall near furnace, a utility room, or other approved location.			X		
X		X						R-Value Computation: Insulated Siding	N1102.1.3		-	X	-	-	Allows insulated siding to be calculated in to the wall assembly overall R-value to satisfy the requirements. Insulated Siding values must be reduced by R-0.6 when calculating.					X

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X			X					Access Hatches and Doors	N1102.2.4		-	X	-	-	Vertical access doors are not required to meet/match the R-value of the attic space like horizontal openings are required. NOTE: Horizontal openings into attics shall have an R-value equivalent to the insulation surrounding it.			X		
X			X					R-Value Reduction for Walls with Partial Structural Sheathing	N1102.2.7	N1102.1.2 (Table)	-	-	X	-	For homes using structural sheathing as bracing only, the areas sheathed with structural panels can have a different R-value than the areas without structural panels. Basically, this helps "flush" the exterior finish materials for example: Use R-2 rigid foam over structural panels on braced walls and R-5 rigid foam in all other locations.			X		X
X			X					Floor Framing Cavity Insulation	N1102.2.8	N1102.4.1.1 (Table)	-	X	-	-	Code now includes an exception to the floor cavity insulation requirement to be in direct contact with the underside of the floor sheathing.			X		
X			X					Insulation at Wall Corners and Headers	N1102.4.1.1 (Table)		-	X	-	-	Code only requires corner and header insulation when there is space to install the insulation, min R-Value = R-3 per inch of rigid insulation. Not meaning, if I can't get to it, I don't have to insulate it. This means basically, a rigid foam board, equivalent to R-3 or more per extruded inch (thickness), must be installed in all cavities, between blocking, corner voids, header voids, etc. that are not filled solid with wood.			X		
X			X					Wood-Burning Fireplace Doors	N1102.4.2	N1102.4.1.1 (Table)	-	X	-	-	Wood fireplace doors must be listed for such use and the requirement for gasketed doors has been removed.			X		
X			X					Duct Sealing and Testing	N1103.3		-	X	-	-	Duct leakage rates are now prescriptive rather than mandatory to accommodate design flexibility.					X
X			X					Heated Water Circulation and Temperature Maintenance Systems	N1103.5		-	X	-	-	Basically, code has changed to require automatic controls for hot water maintenance and circulation systems instead of continuous flow recirculation systems, to save energy.			X		X
X				X				Dryer Exhaust Duct Power Ventilators	M1502.4.4	M1502.4.5	X	-	-	-	New code sections that recognize the use of "Power vents" to extend the duct length for clothes dryers.			X		X
X				X				Dryer Duct Length Identification	M1502.4.6		-	X	-	-	A permanent label shall be posted when the duct length exceeds 35' whether it is concealed or not. Not required for concealed ducts of 35' or less.			X		
X				X				Makeup Air for Range Hoods	M1503.4		-	X	-	-	Code now allows makeup air to come from locations within the interior by use of transfer grills, openings, or other means of allowing makeup air to enter the kitchen area from other rooms. The automatic operation of a mechanical damper is no longer required for supplying makeup air to kitchen exhaust system.			X		
X				X				Exhaust Duct Length	M1506.2		X	-	-	-	New Code Section that establishes maximum flow rates for exhaust duct lengths based on duct diameter, type of duct and the exhaust fan rate. NOTE: 4" Flexible bathroom exhaust fan duct on a 80 cfm fan can only go 4' and cannot be used on fans over 80 cfm. Same duct, 4", and same fan, 80 cfm, but with rigid piping can go 31' max.			X		
X				X				Above-Ground Duct Systems	M1601.1.1	M1601.1.1 (Table), M1601.2	-	X	-	-	Code revised to omit redundancy and sheet metal thickness tables updated to be consistent with SMACNA sheet metal standards.					X
X				X				Duct Installation	M1601.4		-	X	-	-	Tapes and mastic to be listed to UL 181 B. Snap-lock and button-lock seams are no longer exempt from sealing requirements.			X		

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X				X				Return Air	M1602		-	X	-	-	Code simplified the provisions for return-air. Main changes were outdoor air provisions were removed and now reference chapter 3 for those. The return air taken from any room shall not be greater than the supply delivered to it. Text in the code regarding spaces containing fuel fired appliances was removed. The intent is to keep contaminants out of the airstream being returned to the air-handler where it is circulated through the dwelling unit.			X		X
X					X			Condensate Pumps	G2404.11		X	-	-	-	Condensate pumps located in uninhabitable spaces must be connected to the appliance and shut it down in the event of pump failure.			X		X
X					X			Electrical Bonding of Corrugated Stainless-Steel Tubing (CSST)	G2411.1.1		-	X	-	-	Max bonding length is 75' (feet). Bonding must comply with NFPA 70 and devices such as clamps, must be listed in accordance with UL 467.			X		
X					X			Maximum Gas Demand	G2413.2		-	X	-	-	Old Gas reference tables have been omitted and now you must know the actual gas max. input rating for every appliance to size gas piping.		X	X		
X					X			Plastic Piping, Tubing and Fittings	G2414.6		-	X	-	-	PVC and CPVC piping is strictly prohibited. Only Polyethylene (PE) piping marked with "Gas" and "ASTM D 2513" on the piping can be used for gas.			X		
X					X			Fittings in Concealed Locations	G2415.5		-	-	X		Code omitted what was prohibited in concealed locations and now lists what is allowed in concealed locations.			X		
X					X			Protection of Concealed Piping Against Physical Damage	G2415.7		-	X	-	-	Code basically re-written to clarify and expand protection of gas piping in concealed locations such as through plates, joists, studs, etc. When running piping horizontally through studs, larger plates are now required.			X		
X					X			Medium-Pressure Regulators	G2421.2		-	X	-	-	Basically, unions must be installed so the regulator can be replaced as needed.			X		
X					X			Connecting Portable and Movable Appliances	G2422.1		-	X	-	-	Essentially any connector hose used to connect an appliance to a supply line must be listed to comply with ANSI Z21.54 and be installed as such to be protected from physical damage.			X		
X					X			Door Clearance to Vent Terminals	G2426.7.1		X	-	-	-	Appliance vent terminal (termination) in not permitted within 12" (inches) of the arc of a swinging door.			X		
X					X			Plastic Piping for Appliance Vents	G2427.4.1	G2427.6.8.3	-	X	-	-	All vent piping materials must be installed per manufacturers instructions and materials used can only be those listed by the manufacturer of the appliance. Since PVC, ABS and CPVC manufacturers do not list their products as approved for use as appliance vent piping. Now the appliance manufacturer must specify exactly what is or isn't approved for use, not the code official.			X		
X					X			Venting System Termination Location	G2427.8		-	X	-	-	A 10' separation distance is required when a vent is discharged in the direction of an opening in an adjacent building.			X		
X					X			Clothes Dryer Exhaust Ducts	G2439.4	G2439.7	-	X	-	-	Basically the same change as the venting change in sections M1502.4.4, M1502.4.5 (see #1 under 2012 to 2015 Mechanical code changes)			X		
X					X			Prohibited Location of Commercial Cooking Appliances	G2447.2		-	X	-	-	Code now says a commercial appliance listed for both domestic and commercial use shall not be prohibited. Only commercial appliances listed for commercial use only are prohibited in dwelling units.			X		
X						X		Inspection and Tests for building Sewers	P2502.1	P2503.4	-	-	X		Reworded existing building sewer testing requirements and added text concerning forced sewer testing criteria.			X		X

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X						X		Drain, Waste and Vent Systems Testing	P2503.5		-	X	-	-	Head test reduced from 10 feet to 5 feet.			X		
X						X		Protection Against Physical Damage	P2603.2.1		-	X	-	-	For piping through holes or notches the min. clearance from concealed piping to edge of framing member reduced from 1.5 inches to 1.25 (1-1/4") inches.			X		
X						X		Protection Against Corrosion	P2603.3		-	X	-	-	Min. thickness for materials used to protect from corrosion reduced from .025 inches, to .008 inches (8 mil). Applies to piping other than cast iron, ductile iron, and galvanized steel that is in direct contact with masonry, concrete, or steel framing. All metallic piping requires protection when located in corrosive soils.			X		
X						X		Piping Support	P2605.1 (Table)		-	X	-	-	PEX and PE-RT piping added to tables. Also, Mid Story Piping support is required for all types of piping less than 2" in diameter when installed vertically in a wall cavity.			X		
X						X		Dishwashing Machines	P2717		-	X	-	-	Code reworded and removed redundant text.					X
X						X		Hot Water Drain Valves and Pans	P2801		-	X	-	-	Code now specifically requires drain valves with a threaded outlet for water heaters. Plastic and Aluminum Pans accepted if correct thickness. Replacement of water heater does not require a pan drain if one is not existing.			X		
X						X		Water Heater Relief Valve Discharge Piping	P2804.6.1		-	X	-	-	Air gap must be no more than 6" and no less than 2 times the pipe diameter above floor or receptor. PEX and/or PE-RT tubing can be used but must be 1 pipe size larger than discharge outlet and must be fastened in place at the bottom of the tubing.			X		
X						X		Non-Potable Water Systems	P2901	P2910, P2911, P2912, P2913	-	X	-	-	Non-Potable outlets must be identified, and several new sections added on collection and distribution of non-potable water systems.			X		
X						X		Heated Water Distribution Systems	P2905		X	-	-	-	This new code regulates the energy efficiency of heated water circulation and heat trace systems.					X
X						X		Lead Content of Drinking Water Pipe and Fittings	P2906.2		-	X	-	-	Code has more stringent guidelines for lead content used in piping, fittings, etc...					X
X						X		Solvent Cementing of PVC Joints	P3003.9		-	X	-	-	Primer not required when solvent is ASTM D 2564 listed, used for no pressure drain, waste, vent systems and no larger than 4" in diameter (4" is included, but not anything larger than 4"). All piping larger than 4" must be primed.			X		
X						X		Cleanouts	P3005.2		-	X	-	-	Code completely re-organized and re-worded. Clean outs not required at the base of each stack, when in a wall, cleanouts must be no more than 1.5" from finished surface, code does now prohibit removal of a water closet for cleanout purposes, and more.			X		
X						X		Backwater Valves	P3008.1		-	X	-	-	For existing buildings only that have or may have a sewer backflow issue.					X
X						X		Vent Terminals	P3103.1	P3103.2	-	X	-	-	For frost Blockage in cold climates, does not affect East TN.				X	
X						X		Trap Seal Protection Against Evaporation	P3201.2		-	X	-	-	Expanded how trap seal protection can be accomplished.			X		
X						X		Light Straw-Clay Construction	Appendix R		X	-	-	-	New appendix with provisions on Light Staw - Clay Construction					X
X						X		Straw Bale Construction	Appendix S		X	-	-	-	New appendix with provisions on Staw bale Construction					X



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	X	X						Scope	R101.2		-	X	-	-	All instances where the IBC permits construction under the IRC are now listed in the exception to the scope of the IRC. IRC can be used to construct Live/Work units, Owner Occupied lodging and specific care facilities with five or fewer residents, transients, etc. as long as the units are sprinklered per code. State and/or local amendments to eliminate residential sprinklers can not be applied to the IRC Exceptions as listed in the code.		X	X		
	X	X						Alternative Materials and Methods of Construction	R104.11		-	X	-	-	Basically, this change says the Building Official can approve alternative materials and/or methods as usual. In the event the Building official does not approve alternatives, it must be in written form and given to the applicant.		X			X
	X	X						Change of Occupancy	R105.1	R110.1, R202	-	-	X	-	Definition for Change of Occupancy added and the requirements for a New Certificate of Occupancy when an occupant change or change of use is made.			X		X
	X	X						Definition of Access	R202		-	-	X	-	New definitions for <b>access</b> and <b>ready-access</b> .					X
	X	X						Definition of Crawl Space	R202		X	-	-	-	Definition for crawl space added to code. (An underfloor space that is not a basement)					X
	X	X						Definition of Carbon Monoxide Alarm	R202		X	-	-	-	Added definition for Carbon Monoxide Alarm and separate it from Carbon Monoxide Detector					X
	X	X						Definition of Fenestration	R202		-	-	X	-	Code clarified the definition mainly for vertical fenestration and modified definition for skylights and sloped glazing					X
	X	X						Definition of Solar Energy System	R202		-	-	X	-	New definitions help clarify provisions per chapter 3 and 9.					X
	X	X						Climatic and Geographic Design Criteria	R301.2(1) (Table)		-	X	-	-	Local ordinance to be adopted and include the geographic design data tables so Designers, Engineers, Architects, etc. all know exactly what criteria they should design to based on our area and adopted tables. Adopt Table R301.2(1) with all values inserted accordingly. Please note, Manual J Criteria are also included in the tables.	X				
	X	X						Seismic Design Category	R301.2.2.1		-	X	-	-	Alternative Seismic map offers potential lower zone categories based on soil type/classification. For example, I ran a seismic design category in our location with Stiff soil and the design category was "C" with soft clay soil, the seismic design category is "D0 (zero)"		X			X
	X	X						Irregular Buildings	R301.2.2.6		-	X	-	-	This section was re-written/re-arranged for ease of use and clarity. See sections for more detail and how to classify a building as an irregular building.		X			
	X	X						Exterior Walls	R302.1		-	X	-	-	Exterior walls and fire rated separation requirements for exterior wall assemblies.		X	X		
	X	X						Townhouse Separation	R302.2		-	X	-	-	Code has 2 paths to achieve fire separation in townhouses. Two, one-hour walls, or One, 2-hour common wall.		X	X		
	X	X						Two-Family Dwelling Separation	R302.3		-	X	-	-	1-hour separation required for both side by side units and stacked (one over top of the other) units. Vertical and horizontal required. Vertical shall extend from foundation to underside of roof deck. Horizontal shall be tight against exterior wall on all sides.		X	X		
	X	X						Membrane Penetrations	R302.4.2		-	X	-	-	Ceiling fixtures in a required horizontal ceiling/floor separation must be listed for use as such and be installed as to not reduce the fire-resistance rating.		X	X		
	X	X						Dwelling/Garage Opening Protection	R302.5		-	X	-	-	Doors from garage into dwelling can have self-closing device or as an alternative, an automatic-closing device.			X		

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	X	X						Insulation Flame Spread	R302.10		-	-	X	-	Flame Spread index applies to "Kraft-Faced" Insulation and vapor retarders, vapor permeable membranes and similar coverings that are exposed in attics, etc. No technical code changes, just clarification on the requirements.					X
	X	X						Fire-Protection of Floors above Crawl Spaces	R302.13		-	X	-	-	Any heating appliance, electric or gas, such as a furnace, water heater, etc. installed in a crawl space or crawl spaces that can be used for storage are required to install fire-protection on the underside of the floor system if the floor joist do not meet any of the exceptions listed (2x10 or 2x12, or sprinkler).		X	X		
	X	X						Glazing Adjacent to Doors	R308.4.2		-	X	-	-	Windows within 24" of the hinged side of an in-swing door requires glazing if the window is at an angle less than 180 degrees from the plan of the door. Think a bay window with a door in the end wall and windows in the two angled walls. The window on the hinge side is required to be glazed, the window on the knob side of the door does not need to be glazed. If the wall were just a straight wall with a door and window on each side, both windows must be glazed. See pictures in books.		X	X		
	X	X						Glazing in Guards and Railings	R308.4.4		-	X	-	-	Basically, a top rail is required on top of glazing panels (min of 3 panels) used as guards unless the glazing is laminated glass.		X	X		
	X	X						Glazing Adjacent to the Bottom Stair Landing	R308.4.7		-	-	X	-	A new illustration, figure R308.4.7 has been modified to clarify the glazing requirements at landings, no technical changes.		X	X		
	X	X						Emergency Escape and Rescue Openings	R310.1		-	X	-	-	Emergency escape and rescue opening not required for bedrooms in basements when an automatic sprinkler exists, and other conditions are met. NOTE: The State of TN has ruled out residential sprinklers, as a result, all bedrooms in a basement must have egress unless the home is sprinklered per IRC.		X	X		X
	X	X						Area Wells for Emergency Escape and Rescue Doors	R310.3		-	X	-	-	"Area Wells" replace "Bulkhead Enclosures" for emergency escape and rescue doors in basements. Provisions for steps and ladders have been added to the code. See code for additional details on all requirements.		X	X		X
	X	X						Handrail Projection	R311.7.1	R311.7.8	-	X	-	-	This increases the max projection of a handrail when you have a "U" Shaped stair basically. Handrail clearance was re-worded/re-arranged and handrail continuity has also been slightly modified. See code for more details on this one.		X	X		
	X	X						Maximum Stair Rise between Landings	R311.7.3		-	X	-	-	Max rise of a flight of stairs has increased from 147" to 151" (12'-7") = (20 risers @ 7.55")(total run = 190" (15'-10") or 19 treads)		X	X		
	X	X						Stair Nosing	R311.7.5.3		-	-	X	-	Basically, code has been reworded to clarify consistency is required for stair nosing's.					X
	X	X						Alternating Tread Devices and Ship Ladders	R311.7.11	R311.7.12	-	X	-	-	Alternating Tread devices and Ship Ladders are now permitted to be a means of egress when serving lofts not exceeding 200 sq.ft. and not containing a kitchen or bathroom.		X	X		
	X	X						Guards	R312.1		-	-	X	-	Guards only required in areas 30" or greater, so yes, a partial guard is acceptable for compliance where the grade slopes and the guard is located on the sides greater than 30" from finished grade			X		
	X	X						Smoke Alarms	R314		-	X	-	-	Exception for interconnectivity of alarms during alterations based on feasibility has been removed. Code now requires all alarms as required for a new dwelling must be installed.			X		

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	X	X						Carbon Monoxide Alarms	R315		-	X	-	-	Interconnectivity of alarms required if more than one alarm is required. Code now requires all alarms as required for a new dwelling must be installed, even if it's just an alteration, addition, etc.			X			
	X	X						Fasteners in Treated Wood	R317.3		-	X	-	-	Staples for Pressure treated, and fire-retardant wood must be made from stainless steel.			X		X	
	X	X						Coastal High-Hazard Flood Zones	R322.3		-	X	-	-	Does not affect our region.				X		
	X	X						Rooftop Mounted Photovoltaic Systems	R324.4		-	X	-	-	Structural Requirements for photovoltaic roof systems has been consolidated into section R324.4					X	
	X	X						Roof Access for Photovoltaic Solar Energy Systems	R324.6		X	-	-	-	New code requires access to rooftop systems for firefighters. See section for details on when required, pathways and setbacks from ridge.					X	
	X	X						Solar Panels near Emergency Escape and Rescue Openings	R423.6.2.2		X	-	-	-	Solar Panels can not be located directly above an emergency escape and rescue opening (egress window) Basically, you cannot block someone from trying to escape, from a fire or other emergency, by installing panels below the egress windows in the pathway down to the ground and pathway must be at least 36" in width.					X	
	X	X						Mezzanine Area Limitation	R325.3		-	X	-	-	Increased from 1/3 to 1/2 of the room containing the mezzanine.		X	X			
	X	X						Habitable Attics	R325.6	R202	X	-	-	-	Definition of habitable attics has been revised and the technical requirements have been put in a new section. Habitable attics are not considered a story when, <b>1.</b> Floor area not less than 70 sq.ft. in accordance with section R304 (R304: a. room area not less than 70 sq.ft., room size not less than 7' in any direction, portions of sloped walls less than 5' in height or furred ceilings less than 7' in height shall not be considered part of the minimum habitable space or area of the room) <b>2.</b> Occupiable floor area has a ceiling height in accordance with section R305 (R305: Habitable rooms have min ceiling height of 7' and bathrooms, toilet rooms, and laundry rooms a min ceiling height of 6'8". Exceptions: <i>EX1.</i> Sloped ceilings: required floor area shall have ceiling height of not less than 5' (if knee wall is 3', you only count area from where the ceiling height at 5' starts and go from there up) and at least 50% or more of the room must have a min ceiling height of 7'. <i>EX2.</i> Bathroom and toilet room fixtures, must have clearance enough to use the fixture as intended. Shower heads must have 6'-8" clearance in a min 30" x 30" area under the shower head. <i>EX3.</i> Beams, girders, ducts, etc. in basements can project to within 6'4" of finished basement floor. <b>3.</b> Occupiable space is enclosed by a roof above, knee walls (if applicable) on the sides, and floor ceiling assembly below <b>4.</b> Floor of occupiable space does not extend beyond the exterior walls of floor below.			X	X		
	X	X						Insulation Requirements for Frost-Protected Footings	R403.3(1) (Table)		-	X	-	-	Insulation Thickness, R-Value, for different types of Slab insulation have been added to the code and horizontal thickness R-Values, have been added to the code.			X		X	
	X	X						Crushed Stone Footings	R403.4 (Table)		-	X	-	-	Table includes both the width and depth of crushed stone footings for use under pre-cast concrete walls.		X	X		X	

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	X	X						Unvented Crawl Spaces	R408.3		-	X	-	-	Code added a new condition in which vents can be eliminated. A Dehumidifier sized to provide 70 pints of moisture removal Per day for every 1000 Sq.Ft. of Crawl Space area can be installed in lieu of adding supply and return. Please note: Floor cavity insulation can not be removed and is still required when just adding a dehumidifier.		X	X		
	X	X						Cold-Formed Steel Joist Spans	R505.3.2 (Table)		-	X	-	-	Table updated to reflect new wind speed design criteria. Footnote "f" added to table for clarification on 33 and 43 mil thickness joists need to be single span joists when using prescriptive tables.					X
	X	X						Decks	R507		-	X	-	-	This section has been reorganized completely. There are several new code sections and tables for deck construction. Basically, since 2012, our current adopted code, several things have changed or been added for deck construction such as: Materials, Labeling, fasteners and connectors, flashing, alternative methods, footings, Posts, Posts to footings, Beams, Beam Bearing, Post to Beam, Joists, Joist bearing, Lateral Restraint, Decking, Ledger Details, Band Joist, vertical and lateral support, and vertical support. More prescriptive information regarding deck construction is now in the code book.		X	X		X
	X	X						Deck Materials	R507.2		-	X	-	-	This section adds requirements for fasteners, fastener connections, flashing, and alternative materials.		X	X		
	X	X						Deck Footings	R507.3		X	-	-	-	New section with minimum prescriptive requirements for non-engineered footings for decks based on snow load, soil quality and shape/size of footing. Freestanding decks that meet all 3 of the following: 1. Joist bear directly on precast concrete pier blocks at grade without support by beams or posts, 2. is less than 200 sq. ft., and 3. is less than 20" above grade within 36" horizontally from the edge at all points around the deck. Do not need footings that extend below the frost line.		X	X		
	X	X						Deck Posts	R507.4		-	X	-	-	Deck post information has been relocated so it's in order of construction and new prescriptive requirements for post heights and post to footing connection included.		X	X		
	X	X						Deck Beams	R507.5		-	X	-	-	Table for Maximum beam spans not included singly ply beams, required beam bearing, and connection to post are clarified.		X	X		
	X	X						Deck Joists	R507.6		-	X	-	-	Max joist spacing, and total span length have been clarified. Max span lengths are listed and followed by max cantilever lengths.		X	X		
	X	X						Decking, Vertical and Lateral Support	R507.7	R507.8, R507.9	-	X	-	-	Materials and options for fasteners and connections are clarified. The vertical and horizontal support requirements have been updated, and additional details on support and ledger connection are now included.		X	X		
	X	X						Alternate Stud Height	R602.3(6) (Table)		X	-	-	-	New prescriptive requirements have been added for studs greater than 10'in height, in an exception to Section R602.3.1 as well as references to a new table, Table R602.3(6) that applies to 11- and 12-foot walls in one- and two-story buildings.		X	X		

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	X	X						Girder and Header Spans	R602.7(1) (Table)	R602.7(2) (Table)	-	X	-	-	In the 2015 Code, SYP (southern yellow pine) No. 1 grade was used as a basis for the allowable spans in the tables. 2018 code has changed this to No. 2 SYP as the standard for span tables. Code clarifies the requirement for lateral bracing of the girder or header and a reduction in the allowable spans must be considered when the girder or header is dropped or has pony walls on top of it. Please see code and review thoroughly as this will affect both plan reviews and inspections.		X	X		
	X	X						Lateral Support for Headers	R602.7.5 (Table)		-	X	-	-	Modifications change the tables from the 2015 code significantly. The number of full height (king) studs has increased for higher wind regions and in regions with 115 mph speeds, 1 (spans 8' or less) or 2 (spans greater than 8') full height studs are required at each end of the header.		X	X		
	X	X						Seismic Adjustment Factors	R602.10.3(4) (Table)	R602.10.6.5	-	X	-	-	Code has added more information for braced wall panels and the adjustment factors in specific seismic zones for dwellings with stone or brick veneer on the second story. Also see Section R602.10.6.5.					X
	X	X						Mixing Bracing Methods	R602.10.4.1		-	X	-	-	Clarification provided when using both, solid structural sheathing and alternative bracing methods. Basically, if you mix methods, you must brace the entire building as if you were using the alternative only.					X
	X	X						Method CS-PF, Continually Sheathed Portal Frame	R602.10.6.4		-	X	-	-	Code tweaked this section, a note was added emphasizing that when a single CS-PF is built, the side of the PF that has a post must have continuous sheathing beyond that end of the portal frame.					X
	X	X						Method BV-WSP (Brick Veneer – Wood Structural Panels)	R602.10.5		-	X	-	-	Clarification made for use of BV-WSP. New provisions for brick veneer greater than one-story in height in Seismic Design Categories D0, D1, and D2.					X
	X	X						Cold-formed Steel Wall Construction	R603.3.1 (Table)	R603.3.1.1(2) (Table)	-	X	-	-	Tables updated for wind speeds less than 140 mph and the values in the IRC now match AISI S230, the standards for cold formed steel framing, prescriptive for 1 and 2 family dwellings.		X			X
	X	X						Structural Insulated Panels	R610		-	X	-	-	Section re-organized and some information removed from IRC, now referencing ANSI/APA PRS 610.1 for more information and requirements.					X
	X	X						Water Resistive Barrier	R703.2		-	X	-	-	Water resistive barriers other than No. 15 Felt must be installed per manufacturer's installation instructions. The Exemption for detached accessory structures has been removed.			X		X
	X	X						Soffit Installation	R703.3.1		-	X	-	-	Water resistive barriers other than No. 15 Felt must be installed per manufacturer's installation instructions. The Exemption for detached accessory structures has been removed.			X		
	X	X						Veneer Anchorage through Insulation	R703.8.4		-	X	-	-	Masonry Veneer can attach to the Wood Structural Panels, Sheathing, as long as the ties are fastened and installed per the tables in this section.			X		
	X	X						Airspace Requirements	R703.8.4(1) (Table)		-	X	-	-	New footnote "C" in table allows drainage airspace to contain some mortar spills.					X
	X	X						Vinyl Siding Installation over Foam Plastic Sheathing	R703.11.2		-	X	-	-	Testing has been conducted and new guidelines, on attaching vinyl siding to the exterior when foam insulation boards are present, are in the code. Applies to mostly high wind regions but, if we have a situation like this in our area, since we have 115 mph winds, this will need to be considered and looked at.					X

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	X	X						Roof Framing	R802		-	X	-	-	The design and construction of roofs has been clarified by dividing the content into three sections: Ridges, Rafters, and Ceiling Joists. This is an Excellent change and significantly improves clarity of the requirements. Basically, Beams will be required in many, many situations!! Roof framing is a high priority item in my opinion.		X	X		
	X	X						Labeling	R802.1.5.4		-	X	-	-	Every piece of Fire-Retardant Treated Lumber shall be labeled and include 8 specific items of information. 1. ID Mark of Approved Agency, 2. ID of treating manufacturer, 3. Name of treatment used, 4. Species of Wood Treated, 5. Flame Spread and Smoke Developed Index, 6. Method of drying after treatment, 7. Conformance to applicable standards, and 8. For FRTW exposed to weather, the words "No increase in the listed classification when subjected to the standard rain test" (ASTM D 2898) shall be included on the material.			X		X
	X	X						Minimum Vent Area	R806.2		-	X	-	-	Code clarified the minimum vent area exception and both listed conditions must be met.			X		
	X	X						Unvented Attics	R806.5		-	X	-	-	Alternative path for unvented roof assemblies has been added.					X
	X	X						Underlayment Requirements for Photovoltaic Shingles	R905.1.1(1) (Table)	R905.1.1(2) (Table)	-	X	-	-	Tables revised for consistency.					X
	X	X						Building Integrated Photovoltaic Panels (BIPV)	R905.17		X	-	-	-	New section addressing the installation and attachment of BIPV panels.					X
	X	X						Chimney Insulation Shield	R1005.8		X	-	-	-	New code requires factory-built chimneys to include an insulation shield that provides required clearances.			X		
	X		X					Definition of Air Barrier	N1101.6		-	-	X	-	Definition revised.					X
	X		X					Definition of Building Thermal Envelope	N1101.6		-	-	X	-	Definition revised.					X
	X		X					Fenestration Definitions and U-Factors	N1101.6 (Table)	N1102.1.2 (Table), N1101.10.3(2) (Table)	-	-	X	-	Definition moved, revised, and added.					X
	X		X					Building Thermal Envelope for Log Homes	N1102.1		-	X	-	-	Log homes exempt from Thermal Envelope requirements when designed in accordance with ICC-400.					X
	X		X					Insulation and Fenestration Requirements	N1102.1.2 (Table)	N1102.1.4 (Table)	-	X	-	-	U-Factors and Fenestration requirements have been lowered. Windows are now U.32. Exterior walls are R20 or R13+5. I recommend amendments to allow for R13 in exterior walls.			X		
	X		X					Reduction of Ceiling Insulation	N1102.2.2		-	X	-	-	When applying exception for insulation in ceilings without attics, the insulation must extend to the outside of the top plate.			X		
	X		X					Mass Walls	N1102.2.5		-	-	X	-	Mass wall provisions itemized in a numbered list to bring accuracy and clarity to the technical requirements.		X	X		
	X		X					Cold-Formed Steel Framing R-Values	N1102.2.6 (Table)		-	X	-	-	Removed conflicting entries from the tables establishing R-values for Cold formed steel equivalent to those for wood framing.					X
	X		X					Testing for Air Leakage	N1102.4		-	X	-	-	A new standard for testing, RESNET/ICC 380 in now referenced in the IRC to provide flexibility for the testing industry.					X
	X		X					Duct Sealing and Testing	N1103.3.2	N1103.3.3	-	-	X	-	If not part of the heating/cooling systems duct work, ducts serving heat or energy recovery ventilators do not require testing.					X

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	X		X					Ducts buried within Ceiling Insulation	N1103.3.6	N1103.3.7	X	-	-	-	New section addresses methods, minimum coverage requirements, and thermal benefits for ducts buried within ceiling insulation and when they are, considered to be, on the inside of the thermal envelope.			X		X
	X		X					Lighting	N1104.1		-	X	-	-	Required percentage of high efficiency lamps has increased from 75% to 90%					X
	X		X					Maximum Energy Rating Index	N1106.3	N1106.4	-	X	-	-	Max rating index values have increased to allow for more flexibility of the energy provisions.					X
	X			X				Access to Furnaces within Compartments	M1305.1.1		-	-	-	X	This requirement removed in favor of other code provisions and the Manufacturers installation instructions.			X		
	X			X				Appliances Installed in Pits	M1305.1.3.2		-	X	-	-	Code modified to clarify requirements and the bottom clearance reduced from 6" to 3"			X		
	X			X				Dryer Exhaust Duct Termination	M1502.3.1		-	X	-	-	Minimum area of 12.5 square inches has been established for the dryer exhaust vent terminal outlet.			X		
	X			X				Concealed Dryer Exhaust Ducts	M1502.4.2		-	X	-	-	Cavities enclosing dryer exhaust ducts must provide sufficient space that the 4-inch duct is not squeezed out of its round shape. Cannot be in a 3.5" cavity because this creates an oval shaped duct. Cavity must be larger than the outside diameter of the dryer vent piping (will require furring or 2x6 framing behind dryers).			X		
	X			X				Domestic Cooking Exhaust Equipment	M1503		-	X	-	-	Basically, the term "Range Hood" has been changed to "Domestic Cooking Exhaust Equipment". With this change, open-type broiler units are included in this section. Overall, kitchen exhaust is not required unless open-type broiler units are installed, but if kitchen exhaust is installed, it must meet the requirements of this section.			X		
	X			X				Make-up Air for Kitchen Exhaust Systems	M1503.6		-	X	-	-	Make-up air for kitchen exhaust not required when/if all fuel-burning appliances in the dwelling unit have a direct vent or mechanical draft vent system.			X		
	X			X				Underground Duct Systems	M1601.1.2		-	X	-	-	Underground ducts, both direct burial and concrete encased, require sealing and leakage testing.			X		
	X			X				Ranges and Ovens	M1901		-	X	-	-	Provisions for reduced clearances above the cooking surface have been clarified and microwaves have been moved to this section.			X		
	X			X				Hanger Spacing for PEX Tubing	M2101.9 (Table)		-	X	-	-	Support requirements for PEX Tubing have been added to the table.			X		
	X			X				Pressure Testing for Hydronic Piping	M2102.10		-	X	-	-	Compressed air not permitted for Piping however, PEX may be permitted to be tested with compressed air if the manufacturer says it can be tested that way and includes testing parameters.			X		X
	X			X				Thermal Barrier for Radiant Floor Heating Systems	M2103.2		-	X	-	-	For hydronic Floor Heating Systems, minimum R-Value has been removed from section M2103.2 and reference to the Energy provisions in chapter 11 has been added.			X		X
	X			X				Solar Thermal Energy Systems	M2301		-	X	-	-	Requirements for access and freeze protection have been expanded to provide detailed guidance to the code user.					X
	X				X			Prohibited Locations for Appliances	G1406.2		-	X	-	-	A gas-fired dryer is now allowed to be in a bathroom or toilet room where a permanent opening communicates with other permitted spaces.			X		X

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	X				X			Electrical Bonding of CSST	G2411.2	G2411.3	-	X	-	-	Code previously addressed bonding of CSST without arc-resistant jacket or coating. New section now also addresses the provisions for bonding CSST with an arc-resistant jacket or coating.			X		X
	X				X			Schedule 10 Steel Gas Piping	G2414.4.2	G2414.10.1	-	X	-	-	Code now allows schedule 10 steel pipe for fuel/gas piping.			X		
	X				X			Protection Against Corrosion	G2415.11		-	X	-	-	Section reorganized and includes new provisions for protection of steel underground piping and protection for anodeless steel risers.			X		
	X				X			Shutoff Valve Location	G2420.5.1		-	-	X	-	Code basically clarified that the shut off valve behind an appliance is considered accessible. Basically, installing the cut-off in a cabinet beside a range is not the intent. In reality, the valve is subject to more damage being in the cabinet than behind the appliance.			X		
	X				X			Support for Shut-Off Valves in Tubing Systems	G2420.6		X	-	-	-	New section provides provisions for shut off valve supports in gas tubing systems. The shut off valve shall be independently supported, cannot count piping supports.			X		
	X				X			Forced Air Furnace Duct Size	G2442.2		-	-	-	X	Prescriptive duct size requirements have been omitted in favor of other sizing methods specific to the appliance.					X
	X				X			Commercial Cooking Appliance	G2447.2		-	X	-	-	Commercial appliances are now allowed in a dwelling when installed in accordance with an "Engineered Design" and the manufacturer's instructions.		X	X		X
	X					X		Air Testing of PEX Piping	P2502.7		-	X	-	-	Compressed air testing of PEX allowed when in accordance with the manufacturer's instructions.			X		X
	X					X		Connections to Public Sewer or Private Sewage Disposal System	P2602.1		-	X	-	-	Basically, this section says to use the IPSDC in areas where there are no requirements for such systems.					X
	X					X		Sway Bracing for Drainage Piping	P2605		-	-	X	-	Code clarifies that sway bracing only applies to horizontal drainage piping.			X		
	X					X		Slip Joint Connections	P2704		-	X	-	-	Slip joint connections are permitted anywhere between the fixture outlet and the drainage piping and no longer limited to the mtrap inlet, outlet and trap seal locations.					
	X					X		Bathtub Overflow	P2713.1		-	-	-	X	Bathtub overflow outlets are no longer required.					
	X					X		Plastic Pan for Gas-Fired Water Heaters	P2801.6		-	X	-	-	Plastic pans are allowed but must comply with flame spread and smoke-developed indexes.					
	X					X		Backflow Protection for Fire Sprinkler Systems	P2902.5.4	P2904.1	-	X	-	-	Basically, sprinklers that comply with section P2904 or NFPA 13D, do not require backflow protection.					
	X					X		Water Hammer Arrestors	P2903.5		-	X	-	-	A Water Hammer Arrestors is required when quick-closing valves are used in the water distribution system.					
	X					X		Saddle Tap Fittings on Water Distribution Piping	P2906.6.1		X	-	-	-	New section does not allow Saddle Tap fittings in water distribution piping.					
	X					X		Joints Between PVC and CPVC Piping	P2906.18.2		-	X	-	-	A single solvent cement transition joint is now an acceptable method for connecting CPVC water distribution piping to a PVC Water Service Pipe.					
	X					X		Prohibited Joints for Sanitary Drainage	P3003.2		-	X	-	-	A solvent cement joint is now permitted for joining ABS and PVC piping at the connection of the building drain to the building sewer.					



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	X					X		Reduction in Pipe Size	P3005.1.6		-	X	-	-	Water closet flanges, offset bends, and offset flanges are now specifically listed as exceptions to the provision that drainage piping must not be reduced in size in the direction of flow.					
	X					X		Vent Pipe Termination	P3103.2		-	X	-	-	Provisions for vent terminals reorganized and new option added to allow a 2-inch vent extension through sloped roofs when vent is covered (covered as in a solar panel, etc. located on roof over vent terminal).					
	X					X		Combination Waste and Vent System	P3111		-	X	-	-	Food/waste disposers are now allowed to connect to a combination waste/vent system.					
	X					X		Prohibited Locations for Air-Admittance Valves	P3114.8		-	X	-	-	An A.A.V. cannot be used to resolve the problem of an open vent terminal that is too close to a building air intake.					
	X					X		Tiny Houses	Appendix Q		X	-	-	-	New Appendix Q covers the provisions for tiny houses, defined as dwellings with a maximum floor area of 400 sq. ft.					
	X					X		Light Straw-Clay Construction	Appendix R		-	X	-	-	Updated provisions regarding material performance and construction methodologies. Typically, not applicable in our region and not adopted by local jurisdictions.					
	X					X		Straw bale Construction	Appendix S		-	X	-	-	Updated information and more details for jurisdictions not familiar with this type of construction. Typically, not applicable in our region and not adopted by local jurisdictions.					
	X					X		Solar-Ready Zone	Appendix T		-	X	-	-	Typically, not applicable in our region and not adopted by local jurisdictions.					