

Analysis of Changes for the 8th Edition (2023) Florida Codes

Changes to the Florida Building Code, Residential

This *Analysis of Changes for the 8th Edition (2023) of the Florida Building Code* is intended to provide a comprehensive comparison of the provisions in the *7th Edition (2020) Florida Building Code, Residential (FBCR)* and the *8th Edition (2023) Florida Building Code, Residential*. The *7th Edition (2020) FBCR* is the base code for the *8th Edition (2023) FBCR*. The model code used to update the *8th Edition (2023) FBCR* is the *2021 International Residential Code (IRC)*. However, not all changes in the 2021 IRC are included in the *8th Edition (2023) FBCR*. As a result of changes from the 2021 IRC and Florida-specific amendments, certain provisions and criteria of the code have changed. This *Analysis* will serve as a useful tool to facilitate the transition to the new code.

This *Analysis* is arranged so that comparable provisions in the two codes can be easily located. The left two columns contain section numbers and a brief overview of the corresponding requirements from the *7th Edition (2020) FBCR*. The next two columns contain section numbers and a brief overview of the corresponding requirements in the *8th Edition (2023) FBCR*. The far-right column contains a brief analysis or comment on the differences between the provisions.

This *Analysis* is not intended to replace or interpret the provisions contained in either the *7th Edition (2020)* or the *8th Edition (2023) FBCR*. This information simply points out the differences. The *Analysis* is not designed to be used without the aid of the representative code books, as all the details pertaining to a specific section may or may not be provided. However, this *Analysis* will provide an easy means for identifying differences in the two codes, as well as enabling the user to locate issue specific provisions in the *8th Edition (2023) FBCR* by means of a numbered section cross reference.

This *Analysis* provides a cross-reference for most of the sections that changed in the *8th Edition (2023) FBCR*. In some cases, sections are grouped together due to substantial differences. This grouping enables the extent of the differences to be more readily identified.

Notable changes deemed to be the most significant or to have the greatest impact have been highlighted in **yellow**.

7 th Edition (2020) FBCR		8 th Edition (2023) FBCR		Analysis
Section	Requirement	Section	Requirement	
Chapter 1: Scope and Administration				
<i>No changes.</i>				
Chapter 2: Definitions				
R202	Definitions: Battery System, Stationary Storage	-	-	Definition deleted and replaced with new definition Energy Storage System
R202	Definitions: Cleanout	R202	Definitions: Cleanout	The definition has been revised for clarity and adds examples of types of cleanouts.
-	-	R202	Definitions: Copper Alloy	New definition added for copper alloy metals to correlate with the definition in Chapter 24.
R202	Definitions: Emergency Escape and Rescue Opening	R202	Definitions: Emergency Escape and Rescue Opening	Definition revised to provide a reference to Grade Floor Emergency Escape and Rescue Openings.
-	-	R202	Definitions: Energy Storage System (ESS)	New definition added that replaces the definition Battery System, Stationary Storage for consistency with terminology in NFPA 855.
R202	Definitions: Fire-Retardant-Treated Wood	R202	Definitions: Fire-Retardant-Treated Wood	Definition revised for consistency with the FBCB.
-	-	R202	Definitions: Fuel Cell Power System, Stationary	New definition added to correlate with new requirements for Stationary Fuel Cell Power Systems in Section R330.
-	-	R202	Definitions: Glass Mat Gypsum Panel	New definition added for a term already used in the code and for consistency with terminology used by ASTM and industry.
-	-	R202	Definitions: Gypsum Sheathing	New definition added for a term already used in the code and for consistency with terminology used by ASTM and industry.
-	-	R202	Definitions: Gypsum Wallboard	New definition added for a term already used in the code and for consistency with terminology used by ASTM and industry.
R202	Definitions: Grade Floor Opening	R202	Definitions: Grade Floor Emergency Escape and Rescue Opening	Definition revised to correlate with how it will be used in Section R310.2.1. The reference to sill height has been changed to the "height of the bottom of the clear opening" for clarity.

R202	Definitions: Hot Water	R202	Definitions: Hot Water	The trigger temperature for Hot Water has been increased from 110°F to 120°F.
R202	Definitions: Insulating Sheathing	R202	Definitions: Insulating Sheathing	Definition revised to clarify its suitability for use.
R202	Definitions: Live Loads	R202	Definitions: Live Loads	Snow and earthquake loads deleted.
R202	Definitions: Lot	R202	Definitions: Lot	Definition revised to clarify that a lot has to be measured and have fixed boundaries.
R202	Definitions: Lot Line	R202	Definitions: Lot Line	Definition revised to correlate with revised definition of Lot.
R202	Definitions: Noncombustible Material	R202	Definitions: Noncombustible Material	Definition revised to remove the reference to elementary materials and simply refer to a material that passes ASTM E136.
R202	Definitions: Positive Roof Drainage	R202	Definitions: Positive Roof Drainage	Definition revised to clarify that the roof has sufficient slope has been provided to ensure drainage of the roof within 48 hours of precipitation.
-	-	R202	Definitions: Press-Connect Joint	New definition added for a type of plumbing joint.
-	-	R202	Definitions: Professional Survey and Mapper	New definition added to correlate with changes to Section R322 with regards to who is permitted to certify elevation data.
-	-	R202	Definitions: Push-Fit Fitting	New definition added for a type of plumbing fitting.
R202	Definitions: Roof Assembly	R202	Definitions: Roof Assembly	Definition revised to clarify that a roof assembly includes the roof covering and the roof deck but may include other items such as a vapor retarder and insulation.
R202	Definitions: Roof Covering System	-	-	Definition deleted.
-	-	R202	Definitions: Roof Covering System	New definition added identifying the Roof System as all components above the roof deck unless the roof deck is part of a single component serving as the roof covering and the roof deck.
R202	Definitions: Seismic Design Category (SDC)	-	-	Definition deleted.
R202	Definitions: Shear Wall	R202	Definitions: Shear Wall	Definition revised to delete earthquake loads.

R202	Definitions: Stairway	R202	Definitions: Stairway	Definition revised to match the definition of Stairway in the FBCB.
-	-	R202	Definitions: Sun Control Structure	New definition added to correlate with new requirements for Sun Control Structures in Section R301.2.1.1.2.
R202	Definitions: Windborne Debris Region	R202	Definitions: Windborne Debris Region	Item 1 of the definition has been revised to delete the term “coastal” and clarify that an Exposure D condition must exist upwind of the water line. The net effect is that some inland areas where the wind speed is equal to or greater than 130 mph and located near large bodies of water with a fetch of 5000 ft or more will now be in a Windborne Debris Region.
Chapter 3: Building Planning				
R301.1	Application	R301.1	Application	Reference to snow and seismic loads has been deleted.
Figure R301.2(2)	Seismic Design Categories—Site Class D	-	-	Figure deleted.
Figure R301.2(4)	Ultimate Design Wind Speeds V_{ult}	Figure R301.2(4)	Ultimate Design Wind Speeds V_{ult}	Ultimate design wind speeds have been updated to correlate with ASCE 7-22. Wind speeds are unchanged for most of Florida except for the panhandle area where wind speeds have increased slightly in some areas. A new note has been added specifically permitting location-specific wind speeds to be determined using the ASCE Wind Design Geodatabase.
Figure R301.2(5)	Ground Snow Loads, P_g , for the United States	-	-	Figure deleted.
Table R301.2(2)	Component and Cladding Loads for a Building with a Mean Roof Height of 30 Feet Located in Exposure B (ASD)	Table R301.2(2)	Component and Cladding Loads for a Building with a Mean Roof Height of 30 Feet Located in Exposure B (ASD)	The simplified component and cladding wind pressures have been updated for consistency with ASCE 7-22. Component and cladding loads for roof slopes of 7° to 45° have been reduced for many zones and roof slopes. Additionally, for roof slopes of 7° to 45° the number of pressure zones on the roof surface have been

				reduced to 3 (consistent with previous editions of the FBCR). Component and cladding loads for wall components are generally unchanged from the previous edition.
Table R301.2(3)	Height and Exposure Adjustment Coefficients for Table R301.2(2)	Table R301.2(3)	Height and Exposure Adjustment Coefficients for Table R301.2(2)	The height and exposure adjustment coefficients have been updated for consistency with ASCE 7-22.
-	-	R301.2.1.1.1.2	Sun control structures	New design requirements for sun control structures have been added to the code. Free-standing sun control structures are required to be designed using Risk Category I wind speeds. A permanent decal is required to be applied that will alert owners that operable louvers are to be locked in the vertical position when wind speeds are predicted to be 75 mph and during hurricane warnings.
Figure R301.2(7)	Component and Cladding Pressure Zones	Figure R301.2(7)	Component and Cladding Pressure Zones	The pressure zones for roof slopes of $7^\circ < \theta \leq 45^\circ$ have been updated for correlation with ASCE 7-22.
R301.2.2	Seismic provisions	-	-	Entire section including subsections has been deleted and shown as "Reserved." Seismic and snow provisions have deleted throughout the FBC.
R301.2.2	Snow loads	-	-	Section has been deleted and shown as "Reserved." Seismic and snow provisions have deleted throughout the FBC.
R301.3	Story height	R301.3	Story height	Reference to seismic loads has been deleted.
R301.6	Roof load	R301.6	Roof load	Reference to snow loads has been deleted.
Table R301.5	Minimum Uniformly Distributed and Concentrated Live Loads	Table R301.5	Minimum Uniformly Distributed and Concentrated Live Loads	Live loads on guards, handrails, and guard in-fill components have been clarified.
Table R301.7	Allowable Deflection of Structural Members	Table R301.7	Allowable Deflection of Structural Members	New language has been added to Note e requiring the dead load of supporting members to be included in deflection calculations for lintels supporting masonry veneer walls.
R302.4.1	Through penetrations	R302.4.1	Through penetrations	New exception to rated through penetrations has been added for annular

				spaces created by the penetration of of water-filled fire sprinkler piping where the annular space is filled using a material complying with Item 1.2 of Exception 1.
R302.4.2	Membrane penetrations	R302.4.2	Membrane penetrations	Exception 3 has been modified to include water-filled sprinkler piping to its scope.
-	-	R302.8.1	Foam plastics	New section added requiring foam plastics used as interior finishes to comply with Section R316.5.10.
-	-	R302.9.5	High density polyethylene (HDPE) and polypropylene (PP)	New section requiring HDPE and PP materials used as interior finishes to be tested in accordance with NFPA 286 and also comply with Section R302.9.4.
R303.1	Habitable rooms (ventilation)	R303.1	Habitable rooms (ventilation)	New language added to Exception 1 for non-openable glazed areas for habitable rooms other than kitchens permitting a mechanical ventilation system capable of producing 0.35 air changes per hour. Exception 2 has been revised to permit glazed areas to not be openable where a local exhaust system is installed.
R305.1	Minimum ceiling height	R305.1	Minimum ceiling height	New exception permits beams and girders spaced apart not less than 36 inches (914 mm) in clear finished width to project not more than 78 inches (1981 mm) from the finished floor.
R308.4.5	Glazing and wet surfaces	R308.4.5	Glazing and wet surfaces	Section revised to clarify walls adjacent to wet surfaces (bathtubs, showers, etc.) are considered hazardous locations for glazing. New exception to required safety glazing has been added for laminated insulating glass units where the outboard sacrificial pane is not exposed to any of the hazardous locations in Section R308.4.
R309.3	Garages and carports located in flood hazard areas	R309.3	Garages and carports located in flood hazard areas	Section revised to refer to Section R322 for the construction of garages and carports located in flood hazard areas.
R310.1.1	EERO operational constraints and opening control devices	R310.1.1	EERO operational constraints and opening control devices	Section revised to permit the use of fall prevention devices complying with ASTM

				F2090 on windows serving emergency escape and rescue openings.
310.2.1	Minimum opening area	R310.2.1	Minimum size	Section reorganized for clarity. Requirements are the same.
		R310.2.2	Minimum dimensions	
R310.2.2	Window sill height	R310.2.3	Maximum height from floor	The height limitation for EERO's is now based on the distance from the floor to the bottom of the clear opening instead of the sill.
-	-	R311.7	Stairways	<p>A new section added clarifying that stairways, whether required by the code or otherwise provided, have to comply the code requirements for stairways. New exceptions have been added for the following:</p> <ul style="list-style-type: none"> • stairways not within or serving a building, porch, or deck, • stairways leading to nonhabitable attics, and • stairways leading to crawl spaces.
R311.7.5	Risers	R311.7.5	Risers	Section revised to clarify that it is the riser height that is being measured. The maximum slope of risers has been deleted.
R311.7.7	Stairway walking surface	R311.7.7	Stairway walking surface	A new exception has been added for situations where the surface of a landing is required elsewhere in the code to drain surface water. For that the condition, the walking surface of the landing is required to be sloped not steeper than 1 unit vertical in 20 units horizontal (5-percent slope) in the direction of travel.
R312.2.1	Window sills (window fall protection)	R312.2.1	Window sills opening height (window fall protection)	For window fall prevention requirements, this section has been revised to clarify that the measurement is from the finished floor to the bottom of the clear opening and not the sill.
R314.3.1	Installation near cooking appliances (smoke alarms)	R314.3.1	Installation near cooking appliances (smoke alarms)	Section revised to prohibit smoke alarms listed and marked "helps reduce cooking nuisance alarms" from being installed less than 6 feet (1828 mm) horizontally from a permanently installed cooking appliance.

R316.3	Surface burning characteristics (foam plastic)	R316.3	Surface burning characteristics (foam plastic)	Section rearranged and revised to clarify what fire testing is required for foam plastic insulation. New exception added permitting the use of spray foam plastic insulation more than 4 inches thick provided it has a flame spread index of not more than 25 provided and smoke-developed index of not more than 450 and is separated from the inter of the building by a thermal barrier.
		R316.3.1	Foam plastic insulation 4 inches thick or less	
		R316.3.2	Foam plastic insulation more than 4 inches thick	
R316.5.13	Floors (foam plastic)	R316.5.13	Floors (foam plastic)	Section revised to clarify that the thickness of wood structural panel used to cover foam plastic insulation in floor systems is a minimum thickness not a maximum thickness.
R317.1	Protection of wood members from decay	R317.1	Protection of wood members from decay	Section has been revised and reorganized for clarity and to eliminate confusion in the existing language and correct errors in the code.
R317.1.3	Geographical areas			
R317.1.4	Wood columns			
R317.1.5	Exposed glued laminated timbers			
R322.1.6	Protection of mechanical, plumbing and electrical systems (flooding)	R322.1.6	Protection of mechanical, plumbing and electrical systems (flooding)	New language has been added requiring the replacement of exterior equipment and exterior appliances damaged by flood to be elevated to the required elevation. The exception has been revised to replace the term "design flood elevation" with "required elevation."
R322.1.10	As-built elevation documentation	R322.1.10	As-built elevation documentation	Section revised to permit licensed professional surveyors and mappers in addition to registered design professionals to prepare as-built elevation documents. Surveyors and mappers are required to have a Florida license in good standing to certify elevation data.
R322.2.1	Elevation requirements (flood hazard areas including A zones)	R322.2.1	Elevation requirements (flood hazard areas including A zones)	Section revised to permit wet floodproofed detached accessory structures and detached garages with floors below the required elevations based on use, size, material, and other factors.

R322.2.2	Enclosed areas below design flood elevation	R322.2.2	Enclosed areas below required flood elevation	The term “design flood elevation” has been replaced with “required elevation.” A new exception to the requirements of this section has been added for elevator shafts and utility chases that protect utility lines from freezing.
R322.2.2.1	Installation of openings	R322.2.2.1	Installation of openings	The phrase “below the design flood elevation” has been removed for clarity.
R322.3.2	Elevation requirements (coast high-hazard areas including V zones and Coastal A zones)	R322.3.2	Elevation requirements (coast high-hazard areas including V zones and Coastal A zones)	Section revised to permit wet floodproofed detached accessory structures and detached garages with floors below the required elevations based on use, size, material, and other factors. Also revised to clarify the location of the bottom of the lowest horizontal structural member for backfilled stem wall foundations.
R322.3.3	Foundations	R322.3.3	Foundations	Section revised to specifically require pilings and columns to be designed in accordance with ASCE 24. Section has been reorganized into a numbered list.
R322.3.5	Walls below required elevation	R322.3.5	Walls below required elevation	The term “design flood elevation” has been replaced with “required elevation.” A new exception to the requirements of this section has been added for elevator shafts and utility chases that protect utility lines from freezing.
R322.3.6	Enclosed areas below design flood elevation	R322.3.6	Enclosed areas below design flood elevation	The term “design flood elevation” has been replaced with “required elevation.”
R322.3.7	Stairways and ramps	R322.3.7	Stairways and ramps	The term “design flood elevation” has been replaced with “elevation required in Section R322.3.2.”
R324.3.1	Equipment listings (solar energy systems)	R324.3.1	Equipment listings (solar energy systems)	Section revised to require mounting systems listed and labeled in accordance with UL 2703 to be installed in accordance with the manufacturer’s installation instructions and their listings.
R324.4.1.1	Roof loads	R324.4.1.1	Roof loads	Reference to snow loads has been deleted.
-	-	R324.5.3	BIPV roof panels	A new section has been added requiring BIPV roof panels to comply with Section R905.16.

R328	Stationary Storage Battery Systems	R328	Stationary Storage Battery Systems	The term “stationary storage battery systems” has been replaced with “energy storage systems” throughout the section. The entire section has been revised for consistency with NFPA 855.
-	-	R329	Stationary Engine Generators	New section addressing basic safety requirements for stationary engine generators.
-	-	R330	Stationary Fuel Cell Power Systems	New section added requiring stationary fuel cell power systems to comply with the FFPC.
Chapter 4: Foundations				
R401.1	Application	R401.1	Application	Reference to seismic design has been deleted.
Table R403.1(1)	Minimum Width and Thickness for Concrete Footings for Light-Frame Construction	Table R403.1(1)	Minimum Width and Thickness for Concrete Footings for Light-Frame Construction	Reference to snow loads has been deleted.
Table R403.1(2)	Minimum Width and Thickness for Concrete Footings for Light-Frame Construction with Brick Veneer	Table R403.1(2)	Minimum Width and Thickness for Concrete Footings for Light-Frame Construction with Brick Veneer	Reference to snow loads has been deleted.
Table R403.1(3)	Minimum Width and Thickness for Concrete Footings with Cast-In-Place Concrete or Fully Grouted Masonry Wall Construction	Table R403.1(3)	Minimum Width and Thickness for Concrete Footings with Cast-In-Place Concrete or Fully Grouted Masonry Wall Construction	Reference to snow loads has been deleted.
R403.1.6.1	Foundation anchorage in Seismic Design Categories C, D ₀ and D ₁	-	-	Section deleted.
R403.4.1	Crushed stone footings	R403.4.1	Crushed stone footings	The requirement limiting crushed stone footings to Seismic Design Categories A, B and C has been deleted.
Table R404.1.1(1)	Plain Masonry Foundation Walls	Table R404.1.1(1)	Plain Masonry Foundation Walls	Maximum Wall Height has been changed to Maximum Unsupported Wall Height
Table R404.1.1(2)	8-inch Masonry Foundation Walls with Reinforcing Where $d \geq 5$ Inches	Table R404.1.1(2)	8-inch Masonry Foundation Walls with Reinforcing Where $d \geq 5$ Inches	Seismic design requirements in Note b have been deleted. Wall Height has been changed to Maximum Unsupported Wall Height.

Table R404.1.1(3)	10-inch Masonry Foundation Walls with Reinforcing Where $d \geq 6.75$ Inches	Table R404.1.1(3)	10-inch Masonry Foundation Walls with Reinforcing Where $d \geq 6.75$ Inches	Seismic design requirements in Note b have been deleted. Wall Height has been changed to Maximum Unsupported Wall Height.
Table R404.1.1(4)	12-inch Masonry Foundation Walls with Reinforcing Where $d \geq 8.75$ Inches	Table R404.1.1(4)	12-inch Masonry Foundation Walls with Reinforcing Where $d \geq 8.75$ Inches	Seismic design requirements in Note b have been deleted. Wall Height has been changed to Maximum Unsupported Wall Height.
Table R404.1.2(1)	Minimum Horizontal Reinforcement for Concrete Basement Walls	Table R404.1.2(1)	Minimum Horizontal Reinforcement for Concrete Basement Walls	Height of Basement Wall has been changed to Maximum Unsupported Wall Height.
Table R404.1.2(8)	Minimum Vertical Reinforcement for 6-, 8-, 10- and 12-Inch Nominal Flat Basement Walls	Table R404.1.2(8)	Minimum Vertical Reinforcement for 6-, 8-, 10- and 12-Inch Nominal Flat Basement Walls	Maximum Wall Height has been changed to Maximum Unsupported Wall Height.
R404.1.2.1	Masonry foundation walls	R404.1.2.1	Masonry foundation walls	Seismic design requirements have been deleted.
R404.1.3.2	Reinforcement for foundation walls	R404.1.3.2	Reinforcement for foundation walls	Seismic design requirements have been deleted.
R404.1.3.3.1	Compressive strength	R404.1.3.3.1	Compressive strength	Seismic design requirements have been deleted.
R404.1.3.3.7.1	Steel reinforcement	R404.1.3.3.7.1	Steel reinforcement	Seismic design requirements have been deleted.
R404.1.3.4	Requirements for Seismic Design Category C	-	-	Section deleted and shown as Reserved.
R404.1.4	Seismic Design Category C, D_0 or D_1	-	-	Section deleted and shown as Reserved.
R404.1.5.3	Pier and curtain wall foundations	R404.1.5.3	Pier and curtain wall foundations	Seismic design requirements have been deleted.
R404.1.8	Rubble stone masonry	R404.1.8	Rubble stone masonry	Seismic design requirements have been deleted.
R404.1.9.4	Seismic design of masonry piers	-	-	Section deleted and shown as Reserved.
R404.5.2	Precast concrete foundation design drawings	R404.5.2	Precast concrete foundation design drawings	Reference to Seismic Design Category in Note 6 has been deleted and shown as Reserved.
R407.3	Structural requirements	R407.3	Structural requirements	Reference to seismic design in the exception has been deleted.
R408.1	Ventilation	R408.1	Moisture control	

R408.2	Openings for under-floor ventilation	R408.2	Openings for under-floor ventilation	The provisions for these sections have been combined and reformatted to eliminate duplicative language and correlate the requirements. Clarifies that ventilation openings are required to be with 3 feet of each external corner.
R408.3	Unvented crawl space	R408.3	Unvented crawl space	Charging language revised for clarity. Moisture removal requirements in Item 2.4 have been revised to be in accordance with the manufacturer's specifications.
Chapter 5: Floors				
R502.11.4	Truss design drawings	R502.11.4	Truss design drawings	Requirement to identify controlling earthquake loads on truss design drawings has been deleted.
Table R507.5	Deck Beam Span Lengths	Table R507.5	Deck Beam Span Lengths	Reference to ground snow load has been deleted. New footnote accounts for deck joist cantilevers that are less ¼ of the main deck joist span.
Table R507.6	Deck Joist Spans for Common Lumber Species	Table R507.6	Deck Joist Spans for Common Lumber Species	Reference to ground snow load has been deleted.
Table R507.8.1.3(1)	Deck Ledger Connection to Band Joist	Table R507.8.1.3(1)	Deck Ledger Connection to Band Joist	Reference to snow load has been deleted.
R507.8.1.2	Band joist details	R507.8.1.2	Band joist details	The minimum band joist depth of 9 ½ inches has been deleted. Douglas-fir laminated veneer lumber has been changed to nominal engineered wood rim boards.
-	-	R507.9	Exterior guards	New section providing design requirements for exterior guards on decks.
Chapter 6: Wall Construction				
R606.8.2	Masonry in Seismic Design Categories A, B and C	R606.8.2	Masonry serving as the later-force-resisting system	Reference to seismic design has been deleted.
R606.2.8.3	Masonry in Seismic Design Categories D ₀ , D ₁ and D ₂	-	-	Section deleted.
R606.4.4	Parapet Walls	R606.4.4	Parapet Walls	Reference to seismic design has been deleted.
R608.1	General (exterior concrete wall construction)	R608.1	General (exterior concrete wall construction)	ACI 332 has been added an option for designing exterior concrete walls.
R608.2	Applicability limits	R608.2	Applicability limits	Seismic limitations have been deleted.

Table R608.8(2)	Maximum Allowable Clear Spans for 4-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(2)	Maximum Allowable Clear Spans for 4-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
Table R608.8(3)	Maximum Allowable Clear Spans for 6-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(3)	Maximum Allowable Clear Spans for 6-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
Table R608.8(4)	Maximum Allowable Clear Spans for 8-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(4)	Maximum Allowable Clear Spans for 8-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
Table R608.8(5)	Maximum Allowable Clear Spans for 10-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(5)	Maximum Allowable Clear Spans for 10-Inch-Nominal Thick Flat Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
Table R608.8(6)	Maximum Allowable Clear Spans for 6-Inch-Thick Waffle-Grid Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(6)	Maximum Allowable Clear Spans for 6-Inch-Thick Waffle-Grid Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
Table R608.8(7)	Maximum Allowable Clear Spans for 8-Inch-Thick Waffle-Grid Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(7)	Maximum Allowable Clear Spans for 8-Inch-Thick Waffle-Grid Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
Table R608.8(8)	Maximum Allowable Clear Spans for 6-Inch-Thick Screen-Grid Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Table R608.8(8)	Maximum Allowable Clear Spans for 6-Inch-Thick Screen-Grid Lintels in Load-Bearing Walls Roof Clear Span 40 Feet and Floor Clear Span 32 Feet	Reference to ground snow loads has been deleted and all table values for ground snow loads of 30 psf and 70 psf have been deleted.
R609.3.1	Comparative analysis (exterior windows and doors)	R609.3.1	Comparative analysis (exterior windows and doors)	Section revised to permit the use of AAMA 2502 for comparative analysis of windows and doors for structural wind load design pressures.

R610.2	Applicability limits (structural insulated panel wall construction)	R610.2	Applicability limits (structural insulated panel wall construction)	Snow load limitations have been deleted.
Table R610.5(1)	Minimum Thickness for SIP Wall Supporting SIP or Light-Frame Roof Only	Table R610.5(1)	Minimum Thickness for SIP Wall Supporting SIP or Light-Frame Roof Only	Reference to snow loads has been deleted and all table values for ground snow loads of 30 psf , 50 psf and 70 psf have been deleted.
Table R610.5(2)	Minimum Thickness for SIP Wall Supporting SIP or Light-Frame One Story and Roof Only	Table R610.5(2)	Minimum Thickness for SIP Wall Supporting SIP or Light-Frame One Story and Roof Only	Reference to snow loads has been deleted and all table values for ground snow loads of 30 psf , 50 psf and 70 psf have been deleted.
Table R610.8	Maximum Spans for 11 7/8-Inch or Deeper SIP Header	Table R610.8	Maximum Spans for 11 7/8-Inch or Deeper SIP Header	Reference to snow loads has been deleted and all table values for ground snow loads of 20 psf, 30 psf , 50 psf and 70 psf have been deleted.
Chapter 7: Wall Covering				
Table R702.3.5	Minimum Thickness and Application of Gypsum Board and Gypsum Panel Products	Table R702.3.5	Minimum Thickness and Application of Gypsum Board and Gypsum Panel Products	In the size of nails column, the term “annular ringed” has been changed to “ring shank.”
Table R702.3.6	Allowable (ASD) Shear Capacity for Horizontal Wood-Framed Gypsum Board Diaphragm Ceiling Assemblies	Table R702.3.6	Allowable (ASD) Shear Capacity for Horizontal Wood-Framed Gypsum Board Diaphragm Ceiling Assemblies	The reduction in shear capacity for Seismic Design Categories D ₀ , D ₁ , D ₂ and E has been deleted.
R702.7	Vapor retarders	R702.7	Vapor retarders	Requirements for vapor retarders have been reorganized into a table format for simplicity. A new exception has been added specifically stating that vapor retarders are not required in Climate Zones 1, 2 and 3. Vapor retarder options have been expanded.
R703.1.2.1	Wind resistance of soffits	R703.1.2.1	Wind resistance of exterior soffits	Section revised to clarify the provisions apply to exterior soffits.
R703.2	Water-resistive barrier	R703.2	Water-resistive barrier	Section has been reorganized by providing the options for water-resistive barriers in a list form. Materials complying with ASTM E2568 Type I or 3 and ASTM E331 have been added as options for water-resistive barriers.
R703.3.3	Minimum fastener length and penetration	R703.3.3	Minimum fastener length and penetration	The prescriptive fastening requirements for vinyl siding and insulated vinyl siding in

				Item 3 have been deleted. New language refers to Section R703.11 or R703.13 for fastening vinyl and insulated vinyl siding.
-	-	R703.3.4	Polypropylene siding	New section referring to Section R703.14 for fasteners for polypropylene siding.
-	-	R703.3.5	Siding clearance at wall and adjacent surfaces	A new section has been added requiring siding to have a clearance of at least 6 inches from grade and at least ½ inch from other adjacent surfaces (decks, roofs, slabs)
R703.4	Flashing	R703.4	Flashing	For exterior window and door openings, FMA/AAMA/WDMA 2710 has been added as a referenced standard for flashing for exterior windows and doors. The water-resistant barrier manufacturer's instruction has also been added as an option for flashing exterior windows and doors.
R703.5	Wood, hardboard and wood structural panel siding	R703.5	Wood, hardboard and wood structural panel siding	
R703.8	Anchored stone and masonry veneer, general	R703.8	Anchored stone and masonry veneer, general	Seismic design limitations have been deleted.
Table R703.8(1)	Stone or Masonry Veneer Limitations and Requirements, Wood or Steel Framing, Seismic Design Categories A, B and C	Table R703.8(1)	Stone or Masonry Veneer Limitations and Requirements, Wood or Steel Framing	Seismic design limitations for stone or masonry veneer height, and thickness have been deleted.
Table R703.8(2)	Stone or Masonry Veneer Limitations and Requirements, One- and Two-Family Detached Dwellings, Seismic Design Categories D ₀ , D ₁ and D ₂	-	-	Table deleted.
R703.8.2	Exterior veneer support	R703.8.2	Exterior veneer support	Reference to seismic design limitations has been deleted.
R703.8.4	Anchorage	R703.8.4	Anchorage	Section revised to clarify the two separate masonry tie anchorage options – directly to studs and to wood structural panel sheathing.
R703.8.4.1	Size and spacing (veneer ties)	R703.8.4.1	Size and spacing (veneer ties)	Seismic design limitations have been deleted.

Table R703.8.4(1)	Tie Attachment and Airspace Requirements	Table R703.8.4(1)	Tie Attachment and Airspace Requirements	Seismic requirements in Note a have been deleted. New options have been added to the table to allow for larger airspaces to be constructed between masonry veneer and backing. Adjustable metal strand wire is now permitted for wood stud backing and cold-formed steel stud backing.
R703.11	Vinyl siding	R703.11	Vinyl siding	The term "approved quality control agency" has been changed "approved agency" which is a defined term.
R703.11.1	Installation	R703.11.1	Installation	Section revised to include insulated vinyl siding within the scope. Clarifies that accessories for vinyl siding have to be compatible.
R703.11.1.2	Penetration depth	R703.11.1.2	Penetration depth	Specific requirements for nailing vinyl siding directly to sheathing have been deleted.
-	-	R703.11.1.4	Starter strip	A new section has been added requiring the first course of horizontal vinyl siding to be secured using a manufacturer approved starter strip. New Figure R703.11.1.4(1) provides an illustration of a typical installation of an approved starter strip for horizontal vinyl siding.
-	-	R703.11.1.5	Utility trim	A new section has been added requiring the use of utility trim and snap locks to secure the top edge where horizontal vinyl siding has to be cut or trimmed below windows and at the top of walls. New Figures R703.11.1.5(1) and R703.1.5(2) provide illustrations of typical snap lock and utility trim used to secure the top edge of horizontal vinyl siding.
R703.11.2	Installation over foam plastic sheathing (vinyl siding)	R703.11.2	Installation over foam plastic sheathing (vinyl siding)	Section revised to clarify terminology.
Table R703.11.2	Required Minimum Wind Load Design Pressure Rating for Vinyl Siding Installed Over Foam Plastic Sheathing Alone	Table R703.11.2	Adjusted Minimum Design Wind Pressure Requirement for Vinyl Siding	Minimum wind load design pressure ratings for vinyl siding installed over foam plastic sheathing have been revised for consistency with ASTM D3679 which has changed the pressure equalization factor

				for vinyl siding from 0.36 to 0.5. Table notes have been revised to clarify terminology.
R703.14	Polypropylene siding	R703.14	Polypropylene siding	The term “approved quality control agency” has been changed “approved agency” which is a defined term.
R703.14.1.1	Installation (polypropylene siding)	R703.14.1.1	Installation (polypropylene siding)	Section revised to require that polypropylene accessories are installed in accordance with the manufacture’s installation instructions.
-	-	R703.14.1.1.1	Starter strip	A new section has been added requiring the first course of horizontal polypropylene siding to be secured using a manufacturer approved starter strip.
-	-	R703.14.1.1.2	Under windows and top of walls	A new section has been added requiring the use of nail slot punch or pre-drilled holes to secure the top edge where the nail hem of horizontal polypropylene siding has to be cut or trimmed below windows and at the top of walls. New Figure R703.14.1.1.2(1) provides an illustration of typical trim under winds and the top of walls for polypropylene siding.
R703.14.1.2	Fastener requirements (polypropylene siding)	R703.14.1.2	Fastener requirements (polypropylene siding)	Section revised to clarify terminology. New language added requiring the spacing of fasteners to be in accordance with the manufacturer’s installation instructions.
Table R703.15.1	Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight	Table R703.15.1	Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight	Table revised to add maximum foam sheathing thicknesses for cladding weights of 15 psf. New Note b added permitting the thickness of wood structural panels complying with the specific gravity requirement of Note a to be included in satisfying the minimum penetration into framing.
Table R703.15.2	Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight	Table R703.15.2	Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight	Table revised to add maximum foam sheathing thicknesses for cladding weights of 15 psf. New Note b added addressing fastening through wood structural panels.

Table R703.16.1	Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight	Table R703.16.1	Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight	Table revised to add maximum foam sheathing thicknesses for cladding weights of 15 psf. New Note b added addressing cladding attached to wood structural panel sheathing only.
Table R703.16.2	Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight	Table R703.16.2	Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight	Table revised to add maximum foam sheathing thicknesses for cladding weights of 15 psf.
R704.2.1	Vinyl soffit panels	R704.2.1	Vinyl soffit panels	Section revised to include aluminum soffit panels within its scope. Requires vinyl and aluminum soffit panels to be attached with aluminum, galvanized, stainless steel or rust-preventative coated nails. New language requires fascia covers to also comply with new Section R704.3.
Figure R704.2.1	Typical Single-Span Vinyl Soffit Panel Support	Figure R704.2.1	Typical Single-Span Vinyl or Aluminum Soffit Panel Support	Figure revised to include aluminum soffit panels within its scope. New language has been added requiring fascia to be in accordance with Section R704.3.
Figure R704.2.2	Typical Multi-Span Vinyl Soffit Panel Support	Figure R704.2.2	Typical Multi-Span Vinyl or Aluminum Soffit Panel Support	Figure revised to include aluminum soffit panels within its scope. Revised to require fascia to be in accordance with Section R704.3.
-	-	R704.3	Aluminum fascia	<p>A new section has been added that specifies the minimum thickness and attachment of aluminum fascia. New subsections address the following:</p> <ul style="list-style-type: none"> • Fascia installation where the design wind pressure is 30 psf or less (R704.3.1) • Fascia installation where the design wind pressure exceeds 30 psf but is 60 psf or less (R704.3.2) • Fascia installation where the design wind pressure exceeds 60 psf (R704.3.3)

-	-	R704.4	Corners on hip roofs (aluminum fascia)	A new section has been added that addresses wrapping of fascia around corners of hip roofs.
-	-	R704.5	Corners on gable roofs (aluminum fascia)	A new section has been added that addresses wrapping of fascia around corners of gable roofs.
Chapter 8: Roof-Ceiling Construction				
R802.1.5	Fire-retardant-treated wood	R802.1.5	Fire-retardant-treated wood	Testing of fire-retardant-treated wood has been revised for consistency with ASTM E84. New language requires the ASTM E84 or UL 723 test to be continue for additional 20 minutes.
R802.1.5.2	Other means during manufacture (fire-retardant-treated wood)	R802.1.5.2	Other means during manufacture (fire-retardant-treated wood)	Section revised to specifically prohibit the use of paints, coatings, stains, or other surface treatments as a method of protection as required by this section. Terminology has been clarified.
R802.1.5.3	Testing	R802.1.5.3	Testing	Section revised to clarify the fire-retardant-treated wood is required to be tested on the front and back and not all sides.
-	-	R802.1.5.3.1	Fire testing of wood structural panels	New section requiring fire-retardant-treated wood structural panels to be tested with a ripped or cut longitudinal gap of 1/8 inch.
R802.10.1	Truss design drawings	R802.10.1	Truss design drawings	Requirement to identify controlling earthquake loads on truss design drawings has been deleted.
R802.10.2.1	Applicability limits	-	-	Section deleted.
R803.1	Lumber sheathing	R803.1	Lumber sheathing	Reference to seismic design has been deleted.
R803.2.3.1	Sheathing fastenings	R803.2.3.1	Sheathing fastenings	Section revised to require the use of ASTM F1667 RSRS-03 ring shank nails where the sheathing thickness is greater than 15/32 inch. ASTM F1667 RSRS-04 nails are now only permitted to be used where the sheathing thickness is 15/32 inch and less.
Table R803.2.3.1	Roof Sheathing Attachment	Table R803.2.3.1	Roof Sheathing Attachment	Note b has been revised to permit fastening in accordance with the AWC WFCM for specific gravities other than those shown providing the spacing does not exceed 6 inches on center along panel

				edges and 12 inches on center along intermediate supports in the panel field.
Chapter 9: Roof Assemblies				
R902.1	Roof covering materials	R902.1	Roof covering materials	Section revised to clarify that Class A, B or C roof assemblies are required to be tested in accordance with ASTM E108 or UL 790. The term “roofing” has been changed to “roof assemblies” for clarity.
R905.1.1	Underlayment	R905.1.1	Underlayment	Section revised to clarify that these provisions apply to roofs with slopes of 2:12 and greater. Underlayment complying with ASTM D8257 (synthetic underlayment) has been added as an underlayment material option.
R905.1.1.1	Underlayment for asphalt, metal, mineral surfaced, slate and slate-type roof coverings.	R905.1.1.1	Underlayment for asphalt shingles, metal roof panels or shingles, mineral surfaced roll roofing, slate and slate-type shingles, wood shakes and wood shingles.	<p>Wood shakes and shingles have been added to the scope of this section. A new exception has been added that prohibits the use of ASTM D1970 underlayment with wood shakes and shingles.</p> <p>The minimum width of the self-adhering modified bitumen strips complying with ASTM D1970 (formerly Option 2) has been reduced to 3 ¾ inches from 4 inches. The exception for synthetic underlayment has been deleted as underlayment complying with ASTM D8257 is now specifically permitted in Section R905.1.1.</p> <p>The application and lapping of the double underlayment system (formerly Options 4 and 5) has been revised to account for underlayment widths that exceed 36 inches. Underlayment Option 5 for synthetic underlayment has been deleted because performance requirements for synthetic underlayment are now contained in ASTM D8257. Underlayment complying with ASTM D8257 is now specifically permitted in Section R905.1.1.</p>

				<p>A new exception prohibits the use of ASTM D8257 underlayment with wood shakes and shingles.</p> <p>Underlayment fastening has been revised to account for underlayment widths that exceed 36 inches.</p>
R905.1.1.3	Underlayment for wood shakes and shingles	-	-	Section deleted. Underlayment for wood shakes and shingles is now covered in Section R905.1.1.1.
Table R905.1.1.1	Underlayment With Self-Adhering Strips Over Roof Decking Joints	Table R905.1.1.1	Underlayment With Self-Adhering Strips Over Roof Decking Joints	<p>Table revised to permit the use of underlayment complying with ASTM D8257 for all roof coverings except wood shakes and wood shingles. Underlayment for wood shakes and wood shingles is required to comply with ASTM D226 Type II or ASTM D4869 Types III or IV.</p> <p>Underlayment fastening has been revised to account for underlayment widths that exceed 36 inches.</p>
R905.2.2	Slope (asphalt shingles)	R905.2.2	Slope (asphalt shingles)	The requirement that double underlayment application be used for roof slopes from 2:12 to less than 4:12 has been deleted.
R905.2.6.1	Classification of asphalt shingles	R905.2.6.1	Wind resistance of asphalt shingles	Section revised to clarify that the standards referenced in this section are for testing as well as classification. New language points to Table R905.2.6.1 for the required classification of asphalt shingles based on wind speed. The incorrect limitation of ASTM D7158 Class G asphalt shingles has been removed.
R905.2.8.2	Valleys	R905.2.8.2	Valleys	Section revised to require self-adhering underlayment complying with ASTM D1970 to be a minimum of 36 inches wide when used on closed valleys.
R905.2.8.4	Other flashing	R905.2.8.4	Other flashing	Section revised to refer to the manufacturer's instructions instead of printed instructions.

R905.2.8.5	Drip edge	R905.2.8.5	Drip edge	Section revised to require drip edge to be installed “over” the underlayment at gables (rakes) and at eaves. New language permits the use of self-adhering underlayment as an alternate to the 4 inch width of roof cement installed over the drip edge flange. When self-adhering underlayment is used, the drip edge flange is required to be primed.
R905.3	Concrete and clay tile	R905.3	Concrete and clay tile	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R905.3.2	Deck slope	R905.3.2	Deck slope	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R905.3.3	Underlayment	R905.3.3	Underlayment	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted. New exception added to correlate with an existing exception in Section R905.1.1 regarding existing self-adhering modified bitumen underlayment when reroofing.
R905.3.3.1	Slope and underlayment requirements	R905.3.3.1	Slope and underlayment requirements	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R905.3.6	Fasteners	R905.3.6	Fasteners	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has

				been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R905.3.7	Application	R905.3.7	Application	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R905.3.7.1	Hip and ridge tiles	R905.3.7.1	Hip and ridge tiles	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R905.3.8	Flashing	R905.3.8	Flashing	The FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual has been updated to the 7 th Edition. The option to use RAS 118, RAS 119, or RAS 120 for concrete and clay tile installation has been deleted.
R906.1	General (roof insulation)	R906.1	General (roof insulation)	Section revised to replace material complying with FM 4450 with NFPA 276 for above-deck thermal insulation. Materials complying with UL 1256 have been maintained.
Table R906.2	Material Standards for Roof Insulation	Table R906.2	Material Standards for Roof Insulation	Cellular glass board complying with ASTM C1902 has been added for materials for roof insulation.
R908.1.1	25 percent rule	R908.1.1	25 percent rule	When the 25 percent rule is triggered, it now applies to a roof replacement and roof recover.
R908.7.2	Roof secondary water barrier for existing structures with wood roof decks	R908.7.2	Roof secondary water barrier for existing structures with wood roof decks	Specific underlayment (secondary water barrier) requirements for the HVHZ have been deleted. Underlayment in the HVHZ is now required to be in accordance with the requirements for new construction in Section 1518.2 of the FBCB.

Chapter 10: Chimneys and Fireplaces

R1001.3	Seismic reinforcing (masonry fireplaces)	-	-	Section deleted and shown as Reserved.
R1001.4	Seismic anchorage	-	-	Section deleted and shown as Reserved.
Table R1001.1	Summary of Requirements for Masonry Fireplaces and Chimneys	Table R1001.1	Summary of Requirements for Masonry Fireplaces and Chimneys	Seismic requirements have been deleted from the table
Figure R1001.1	Fireplace and Chimney Details	Figure R1001.1	Fireplace and Chimney Details	Seismic requirements have been deleted from the figure.
-	-	R1001.13	Fireplace accessories	New section requiring fireplace accessories to comply with UL 907. Requires listed and labeled fireplace accessories to be installed in accordance with the conditions of the listing and the manufacturer's instructions.
R1002.4	Seismic reinforcing (masonry heaters)	-	-	Section deleted and shown as Reserved.
R1003.3	Seismic reinforcing (masonry chimneys)	-	-	Section deleted and shown as Reserved.
R1003.4	Seismic anchorage	-	-	Section deleted and shown as Reserved.
Chapter 11: Energy Efficiency				
<i>No changes.</i>				
Chapter 12: Mechanical Administration				
<i>No changes.</i>				
Chapter 13: General Mechanical System Requirements				
M1307.2	Anchorage of appliances	M1307.2	Anchorage of appliances	Seismic design requirements have been deleted.
-	-	M1307.7	Prohibited support (appliances)	New section prohibiting the use of gypsum board as a support base under an appliance.
Chapter 14: Heating and Cooling Equipment and Appliances				
-	-	M1411.3.1.2	Appliance, equipment and insulation in pans (heating and cooling equipment)	New section requiring appliances, equipment or insulation subject to water damage when auxiliary drain pans fill, that portion of the appliance, equipment and insulation to be installed above the rim of the pan. Supports inside the pan for appliances or equipment are required to be water resistant. Correlates with Section 307.2.3.2 of the FBCM.

-	-	M1411.9	Support of refrigerant piping	New section requiring refrigerant piping and tubing to be securely fastened to a permanent support within 6 feet of the condensing unit.
Chapter 15: Exhaust Systems				
M1502.3	Duct termination (clothes dryer exhaust)	M1502.3	Duct termination (clothes dryer exhaust)	Section revised to also prohibit exhaust ducts from terminating not less than 3 feet in any direction from openings in ventilated soffits.
-	-	M1502.4.8	Booster fans prohibited	New section specifically prohibiting the installation of domestic booster fans in clothes dryer exhaust systems.
Table M1507.4	Minimum Required Local Exhaust Rates for One- and Two-Family Dwellings	Table M1507.4	Minimum Required Local Exhaust Rates for One- and Two-Family Dwellings	New Note a requires the listed exhaust rate for bathrooms-toilet rooms to equal or exceed the exhaust rate at a minimum static pressure of 0.25 inch wc.
Chapter 16: Duct Systems				
M1601.1.1	Above-ground duct systems	M1601.1.1	Above-ground duct systems	Section revised to require fireblocking used for isolation in stud wall cavities and spaces between solid joists used as plenums, to comply with Section R302.11.1.
Chapter 17: Combustion Air				
<i>No changes.</i>				
Chapter 18: Chimneys and Vents				
-	-	M1802.4	Blocked vent switch (vent components)	New section requiring oil-fired appliances to be equipped with a device that will stop burner operation in the event that the venting system is obstructed. Such devices are required to have a manual reset and shall be installed in accordance with the manufacturer's instructions.
Chapter 19: Special Appliances, Equipment and Systems				
M1903	Stationary Fuel Cell Power Plants	-	-	Section deleted and shown as Reserved. Section R328 requires stationary fuel cell power systems to comply with the FFPC.
-	-	M1905	Residential Permanently Installed Standby Generators	New section added addressing installation requirements for residential permanently installed stand-by generators. These new

				<p>requirements specifically address the following:</p> <ul style="list-style-type: none"> • Electrical installation • Flood hazard areas • Fuel installation • Wind resistance • Exhaust location
Chapter 20: Boilers and Water Heaters.				
<i>No changes.</i>				
Chapter 21: Hydronic Piping				
-	-	M2101.11 – M2101.31	Specific installation requirements for hydronic piping	New sections added for hydronic piping adapted from Section M2105 for ground-source heat-pump system loop piping.
M2103.1	Piping materials (floor heating systems)	M2103.1	Piping materials (floor heating systems)	Polybutylene piping is no longer permitted to be used in floor heating systems. The minimum rating for permitted piping materials has been reduced from 100 psf to 80 psi at 180°F.
Table M2105.4	Ground-Source Loop Pipe	Table M2105.4	Ground-Source Loop Pipe	Standards for acceptable piping materials have been updated.
Table M2105.5	Ground-Source Loop Pipe Fittings	Table M2105.5	Ground-Source Loop Pipe Fittings	Standards for acceptable piping fittings have been updated.
M2105.7	Preparation of pipe ends	M2105.7	Preparation of pipe ends	Section has been revised to remove terminology that doesn't apply to plastic pipes. New language requires pipe ends to be prepared in accordance with the pipe manufacturer's instructions.
Chapter 22: Special Piping and Storage Systems				
M2202.1	Materials (oil piping, fitting and connections)	M2202.1	Materials (oil piping, fitting and connections)	Section revised to permit the use of stainless steel tubing conforming to ASTM A254 or ASTM A269.
M2202.2	Joints and fittings	M2202.2	Joints and fittings	The term "standard fittings" has been changed to "fittings."
M2203.5	Vent termination (vent piping)	M2203.5	Vent termination (vent piping)	The requirement that vent terminations be located to avoid obstruction by snow and ice has been deleted.
Chapter 23: Solar Thermal Energy Systems				

M2301.2.13	Thermal storage unit seismic bracing	-	-	Section deleted.
Chapter 24: Fuel Gas				
-	-	G2403	Definitions: Copper Alloy	New definition of copper alloy added and defined as a homogeneous mixture of not less than two metals where not less than 50 percent of the finished metal is copper.
G2403	Definitions: Point of delivery	G2403	Definitions: Point of delivery	Definition revised to include system shutoff valves provided after the outlet of the service meter assembly.
-	-	G2403	Definitions: Press-Connect Joint	New definition of press-connect joint added that aligns with the definition currently used in the FBCM and FBP.
G2403	Definitions: Regulator, Monitoring	G2403	Definitions: Regulator, Monitoring	Definition revised to remove technical requirements as they are already covered in Section 416 of the FBCFG.
-	-	G2403	Definitions: Service Meter Assembly	New definition of service meter assembly defined as the meter, valve, regulator, piping, fittings and equipment installed by the service gas supplier before the point of delivery.
-	-	G2403	Definitions: System Shutoff	New definition of system shutoff added defined as a valve installed after the point of delivery to shut off the entire piping system.
G2403	Definitions: Service Shutoff	G2403	Definitions: Service Shutoff	Definition revised to clarify that the service shutoff valve is always installed between the gas supply and point of delivery.
G2407.8	Engineered solutions (combustion air)	G2407.8	Engineered solutions (combustion air)	Section revised to require engineered solutions be determined using approved engineering methods.
G2412.5	Identification (exposed piping)	G2412.5	Identification (exposed piping)	Section revised to require CSST to be identified as required by ANSI LC 1/CSA 6.26.
G2413.3	Sizing (pipe)	G2413.3	Sizing (pipe)	Section revised to editorially clarify that gas piping is permitted to sized in accordance with "approved engineering methods."
G2413.6	Allowable pressure drop	G2413.6	Allowable pressure drop	The design pressure loss now applies to a piping system under maximum demand and applies throughout the entire gas

				pipng system not to any individual appliance.
G2413.7	Maximum operating pressure	G2413.7	Maximum operating pressure	New condition added for exceeding 5 psi pressure inside buildings. Piping has to be joined by fittings listed to ANSI LC4/CSA 6.32 and installed in accordance with the manufacturer's instructions.
G2413.3	Other materials (piping)	-	-	Section deleted.
G2414.9.3	Thread joint compounds	G2414.8.3	Thread joint compounds	Section revised for clarity. Requires threaded joints to be made using a thread joint sealing material. Requires thread joint sealing materials to be compatible with the piping fitting materials on which the sealing materials are used.
G2414.11	Plastic pipe, joints, and fittings	G2414.10	Plastic pipe, joints, and fittings	Heat fusion joints (Item 2) have revised to require polyethylene heat fusion fittings to be marked "ASTM D2513" and polyamide heat fusion fittings to be marked "ASTM F2945."
G2415.5	Fittings in concealed locations	G2415.5	Fittings in concealed locations	Threaded plugs and caps have been added acceptable fittings to be installed in concealed locations.
G2415.11.5	Prohibited use (uncoated joints)	-	-	Section deleted as unnecessary because Section G2415.11.2, Item 2 requires pipe to have a factor-applied, electrically insulating coating.
G2415.18	Pipe cleaning	G2415.18	Pipe debris removal	Section revised to require that the interior piping to be clear of debris.
G2422.1	Connecting appliances	G2422.1	Connecting appliances	Section revised to require quick-disconnect devices to be listed and labeled and comply with ANSI Z21.41/CSA 6.9. Convenience outlets are required to be listed and labeled and comply with ANSI Z21.90/CSA 6.24.
G2427.2.1	Direct-vent appliances (venting)	G2427.2.1	Direct-vent appliances (venting)	Section revised to require through-the-wall vent terminations for listed direct-vent appliances to be in accordance with Section G2427.8. Listed direct-vent appliances are required to be installed in

				accordance with the manufacturer's instructions.
G2427.2.2	Appliances with integral vents	G2427.2.2	Appliances with integral vents	Section revised to require that appliances incorporating integral venting means be installed in accordance with Section G2427.8. The requirement that they be installed in accordance with the manufacturer's instructions has been deleted.
G2427.3.3	Mechanical draft systems	G2427.3.3	Mechanical draft systems	Item 6 applying to the location of exit terminals of mechanical draft systems has been deleted.
G2427.5.1	Factory-built chimneys	G2427.5.1	Factory-built chimneys	The requirement that factory-built chimneys be installed in accordance with the manufacturer's instructions has been deleted.
G2427.5.4	Size of chimneys	G2427.5.4	Size of chimneys	Methods 2 and 3 for determining the effective area of a chimney venting system have been revised for clarity.
G27.5.5.1	Chimney lining	G27.5.5.1	Chimney lining	The exception permitting existing chimneys to be continued to be used provided specific conditions are met, has been deleted.
G2427.5.10	Insulation shield	G2427.5.10	Insulation shield	Language requiring Insulation shields provided as part of a listed chimney system to be installed in accordance with the manufacturer's installation instructions has been deleted.
G2427.6.9.1	Category I appliances (size of vents)	G2427.6.9.1	Category I appliances (size of vents)	Terminology in Method 4 for sizing vents has been changed from "approved engineering practices" to "approved engineering methods."
G2427.7.9	Size of single-wall metal pipe	G2427.7.9	Size of single-wall metal pipe	Terminology in Method 3 for sizing vents has been changed from "approved engineering practices" to "approved engineering methods."
G2427.8	Venting system termination location	G2427.8	Venting system terminal clearances	The requirements for the location of through-the-wall vent terminals have been completely rewritten. Specific
		Figure G2427.8	Through-The-Wall Vent Terminal Clearances	

		Table G2427.8	Through-The-Wall Vent Terminal Clearances	requirements are now contained in new Table G2427.8 that is correlated with new Figure G2427.8 that pictorially shows the clearance requirements specified in the Table G2427.8. New clearance locations addressed include: above finished grade, unventilated soffit, inside corner of buildings, and others. The specific clearances required from exterior air openings has been clarified.
G2427.9	Condensation drainage	G2427.9	Condensation drainage	Section revised to simply require the collection and disposal of condensate from venting systems and for condensate drains to be installed in accordance with the appliance and vent manufacturer's instruction. The requirement pertaining to local experience for condensate removal has been deleted.
G2427.10.3.2	Multiple draft hood	G2427.10.3.2	Multiple draft hood	"Approved engineering practices" has been changed to "approved engineering methods."
-	-	G2427.10.7	Connector junctions	New section requiring the use of a tee or wye where vent connectors are joined together.
G2427.12.2.2	Special design draft hood	-	-	Section deleted.
G2427.13	Manually operated dampers	G2427.13	Manually operated dampers	Section revised to clarify that balancing baffles are not to be classified as manually operated dampers.
-	-	G2427.13.1	Balancing baffles	New section requiring balancing baffles to be listed in accordance with UL 378 and be mechanically locked in the desired position before placing the appliance in operation.
G2428.3.14	Multiple input rate appliances	G2428.3.14	Multiple input rate appliances	Section reorganized for clarity.
G2432.1	General (decorative appliances for installation in fireplaces)	G2432.1	General (decorative appliances for installation in fireplaces)	Section revised to require appliances to be listed in accordance with the specified standard.
G2432.2	Flame safeguard device	G2432.2	Flame safeguard device	Section revised to require appliances to be listed in accordance with the specified standard.

G2433.1	General (log lighters)	G2433.1	General (log lighters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2434.1	General (vented gas fireplaces)	G2434.1	General (vented gas fireplaces)	Section revised to require appliances to be listed in accordance with the specified standard.
G2435.1	General (vented gas fireplace heaters)	G2435.1	General (vented gas fireplace heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2436.1	General (vented wall furnaces)	G2436.1	General (vented wall furnaces)	Section revised to require appliances to be listed in accordance with the specified standard.
G2437.1	General (floor furnaces)	G2437.1	General (floor furnaces)	Section revised to require appliances to be listed in accordance with the specified standard.
G2438.1	General (clothes dryers)	G2438.1	General (clothes dryers)	Section revised to require appliances to be listed in accordance with the specified standard.
G2439.5	Makeup air	G2439.5	Makeup air	Section reorganized by relocating the criteria for clothes dryer installed in closets to a new section.
		G2439.5.1	Closet installation	
G2441.1	General (pool and spa heaters)	G2441.1	General (pool and spa heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2442.1	General (forced-air warm-air furnaces)	G2442.1	General (forced-air warm-air furnaces)	Section revised to require appliances to be listed in accordance with the specified standard.
G2444.1	General (unit heaters)	G2444.1	General (unit heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2445.1	General (unvented room heaters)	G2445.1	General (unvented room heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2446.1	General (vented room heaters)	G2446.1	General (vented room heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2447.1	General (cooking appliances)	G2447.1	General (cooking appliances)	Section revised to require appliances to be listed in accordance with the specified standard.

G2447.2	Prohibited location	G2447.2	Prohibited location	Exception 2 which permitted an installation designed by a licensed professional engineer has been deleted.
G2448.1	General (water heaters)	G2448.1	General (water heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2449.1	General (air-conditioning appliances)	G2449.1	General (air-conditioning appliances)	Section revised to require appliances to be listed in accordance with the specified standard.
G2450.1	General (illuminating appliances)	G2450.1	General (illuminating appliances)	Section revised to require appliances to be listed in accordance with the specified standard.
G2451.1	General (infrared radiant heaters)	G2451.1	General (infrared radiant heaters)	Section revised to require appliances to be listed in accordance with the specified standard.
G2453.1	General (outdoor decorative appliances)	G2453.1	General (outdoor decorative appliances)	Section revised to require appliances to be listed in accordance with the specified standard.
Chapter 25: Plumbing Administration				
P2503.4	Building sewer testing	P2503.4	Building sewer testing	The requirement that building sewers be tested with not less than a 5-foot head of water has been deleted. Building sewers are now required to be tested by completely filling the building sewer with water from the lowest to the highest point.
P2503.5.1	Rough plumbing (DWV system tests)	P2503.5.1	Rough plumbing (DWV system tests)	Section revised to permit plastic piping systems to be tested by a vacuum of air. The vacuum test requires air to be evacuated by a vacuum type pump to achieve a uniform gauge pressure of -5 pounds per square inch or a negative 10-inches of mercury column (-34 kPa) and be held without the removal of additional air for a period of 15 minutes
Chapter 26: General Plumbing Requirements				
<i>No changes.</i>				
Chapter 27: Plumbing Fixtures				
-	-	P2708.2.1	Waste fittings (shower drains)	New section added requiring waste fittings for shower drains to conform to ASME A112.18.2/CSA B125.2.

P2708.4	Shower control valves	P2708.4	Shower control valves	Section revised to add specific language requiring field adjustment of temperature limiting devices to not-to-exceed temperature. Language has also been revised to correlate with similar requirements in the FBCP.
-	-	P2709.4.1	Waste fitting (receptor drains)	New section added requiring flanged drains to conform to ASME A112.18.2/CSA B125.2.
P2713.3	Bathtub and whirlpool bathtub valves	P2713.3	Bathtub and whirlpool bathtub valves	Section revised to add specific language requiring field adjustment of temperature limiting devices to not-to-exceed temperature. New language requires access be provided for temperature limiting devices in accordance with ASSE 10705/ASME A112.1070/ CSA B125.70. An exception to the new access requirements has been added for valves that have integral water temperature limiting devices that comply with ASSE 10705/ASME A112.1070/ CSA B125.70.
Chapter 28: Water Heaters				
P2801.8	Water heater seismic bracing	-	-	Section deleted and shown as Reserved.
P2802.1	Water temperature control (solar water heating systems)	P2802.1	Water temperature control (solar water heating systems)	Section editorially revised to change the term “thermostatic” to “temperature-actuated.”
P2803.2	Temperature control (water heaters used for space heating)	P2803.2	Temperature control (water heaters used for space heating)	Section editorially revised to change the term “thermostatic” to “temperature-actuated.”
Chapter 29: Water Supply and Distribution				
Table P2902.3	Application For Backflow Preventers	Table P2902.3	Application For Backflow Preventers	Backflow preventers with intermediate atmospheric vents complying with ASSE 1081 have been added to the table.
P2902.3.3	Backflow preventer with intermediate atmospheric vent	P2902.3.3	Backflow preventer with intermediate atmospheric vent	ASSE 1081 has been added as a recognized standard for backflow preventer with intermediate atmospheric vents.
P2902.5.1	Connections to boilers	P2902.5.1	Connections to boilers	ASSE 1081 has been added as a recognized standard for backflow preventer with intermediate atmospheric vents.

P2902.6.3	Relief port piping (location of backflow preventers)	P2902.6.3	Relief port piping (location of backflow preventers)	Section revised to require indirect waste receptor and drainage piping to be sized to drain the maximum discharge flow rate from the relief port as published by the backflow preventer manufacturer.
P2903.1	Water supply system design criteria	P2903.1	Water supply system design criteria	Section revised to clarify that this section is intended to set required design capacities and not to be used for field testing.
Table P2903.1	Required Capacities at Point of Outlet Discharge	Table P2903.1	Flow Rate and Pressures for Designing Piping Systems	Table title revised in correlation with changes to Section P2903.1 to clarify that this table is intended to set required design capacities and not to be used for field testing.
-	-	P2303.3.2	Pumps handling drinking water	New section added requiring pumps intended to supply drinking water to conform to NSF 61.
P2904.2.1	Temperature rating and separation from heat sources (dwelling unit fire sprinkler systems)	P2904.2.1	Temperature rating and separation from heat sources (dwelling unit fire sprinkler systems)	Section revised to change the maximum temperature rating of sprinklers from 170°F to 225°F.
P2904.2.3	Freezing areas (dwelling unit fire sprinkler systems)	P2904.2.3	Freezing areas (dwelling unit fire sprinkler systems)	A new option for protecting sprinkler piping from freezing has been added. Dry pipe automatic sprinkler systems listed for residential occupancy applications are now permitted to be used.
P2904.3.2	Shutoff valves prohibited	P2904.3.2	Shutoff valves prohibited	Section revised to permit a control valve on a standalone sprinkler system for coordination with NFPA 13D.
P2904.4	Determining system design flow	P2904.4	Determining system design flow	Entire section including subsections has been revised to correlate with NFPA 13D and current installation practices for residential sprinklers protecting spaces with sloped and/or beamed ceilings.
Table P2904.6.2(2)	Minimum Water Meter Pressure Loss (PL _m)	Table P2904.6.2(2)	Minimum Water Meter Pressure Loss (PL _m)	Table revised to better correlate with the water meter table in NFPA 13D.
Table P2906.6	Pipe Fittings	Table P2906.6	Pipe Fittings	Table revised add ASTM F3226 as a standard for copper or copper alloy pipe fitting material.
P2906.21	Push-fit joints	P2906.21	Push-fit fitting joints	Section revised to change “push-fit joints” to “push-fit fitting joints.”

P2906.15	Soldered and brazed joints	P2906.15	Soldered and brazed joints	Section revised to require solder and flux joining pipe or fittings intended to supply drinking water to conform to NSF 61.
P2909.1	Design (drinking water treatment units)	P2909.1	Design (drinking water treatment units)	Section revised to replace NSF 60 with NSF 62 for drinking water treatment units.
P2912.1	General (nonpotable rainwater collection and distribution systems)	P2912.1	General (nonpotable rainwater collection and distribution systems)	Section revised to permit the use of CSA B805/ICC 805 for nonpotable rainwater systems for regulating the materials, design, construction and installation of systems for rainwater collection, storage, treatment and distribution of nonpotable water.
-	-	P2912.1.1	Alternate compliance path	New section added permitting the use of systems for nonpotable uses that comply with CSA B805/ICC 805 as an alternate to Section P2912.
Chapter 30: Sanitary Drainage				
Table P3002.2	Building Sewer Pipe	Table P3002.2	Building Sewer Pipe	ASTM D2680 has been added as a reference standard for ABS plastic pipe.
Table P3002.3	Pipe fittings	Table P3002.3	Pipe fittings	ASME A112.4.4 has been added as a reference standard for ABS plastic pipe and PVC plastic pipe.
-	-	P3003.3.4	Push-fit fittings	New section added requiring push-fit DWV fittings to be listed and labeled to ASME A112.4.4 and be installed in accordance with the manufacturer's instructions.
-	-	P3003.9.4	Push-fit fittings	New section added requiring push-fit fittings to conform to ASME A112.4.4 and be installed in accordance with the manufacturer's instructions.
-	-	P3005.2.10.1	Cleanout equivalent	New section added permitting a fixture trap or a fixture with integral trap, removable without altering the concealed piping to be used as an acceptable cleanout equivalent.
P3009	Subsurface Graywater Soil Absorption Systems	-	-	Entire section deleted and shown as Reserved.
P3011	Replacement of Underground Sewers by PVC Fold and Form Methods	P3011	Relining of Building Sewers and Drains	The requirements for replacing underground sewers have deleted and replaced with new requirements applicable to relining of building sewers and drains.

				The relining method reduces the impact of open trench excavation and reduces repair costs.
Chapter 31: Vents				
P3103.1.1	Roof extension (vent terminals)	P3103.1.1	Roof extension (vent terminals)	The requirement that vents terminate not less than 6 inches above the anticipated snow accumulation has been deleted.
P3103.1.3	Roof extension covered	P3103.1.3	Roof extension covered	The reference to snow accumulation has been deleted.
Chapter 32: Traps				
<i>No changes.</i>				
Chapter 33: Storm Drainage				
<i>No changes.</i>				
Chapter 34 General Requirements (Electrical)				
-	-	E3408	GFCI Protection	New section added that modifies Section 210.8 in NFPA 70, National Electrical Code. A new exception to Section 210.8 has been added stating that GFCI protection is not required for listed and labeled HVAC equipment.
Chapters 35 through 43: Electrical				
<i>No changes.</i>				
Chapter 44: High-Velocity Hurricane Zones				
<i>No changes.</i>				
Chapter 45: Private Swimming Pools				
R4501.17.1.15	Mesh safety barriers	R4501.17.1.15	Mesh safety barriers	Specific requirements for mesh safety barriers have been deleted and mesh safety barriers are now required to comply with ASTM F2286. Mesh safety barriers are not permitted to be installed on top of above-ground/on-ground private swimming pools.
Appendix D: Recommended Procedure for Safety Inspection of an Existing Appliance Installation				
D.6	Appliance-specific inspections	D.6	Appliance-specific inspections	Item (3)d requiring an inspection of water heaters in earthquake prone regions has been deleted.
Appendix G: Piping Standards for Various Applications.				

Table AG101.1	Plastic Piping Standards for Various Applications	Table AG101.1	Plastic Piping Standards for Various Applications	CSA B137.18 has been added as a reference standard for PE-RT pipe for various applications.
Appendix H: Patio Covers				
AH105.1	Design loads	AH105.1	Design loads	Section revised to delete the reference to the use of snow loads.
Appendix J: Existing Buildings and Structures				
AJ102.4.3	Emergency escape and rescue openings	AJ102.4.3	Replacement windows for emergency escape and rescue openings	Section revised for clarity and to correlate with section number changes in Chapter 3. Condition 3 has been revised to permit the use of fall prevention devices complying with ASTM F2090 on windows serving emergency escape and rescue openings.
-	-	AJ102.4.3.1	Control devices	New section added requiring window opening control devices and fall prevention devices to not reduce the net clear opening of the window unit after operation to release the control device allowing the window to fully open.
AJ102.4.4	Window control devices	AJ102.4.4	Window control devices	Section revised to also apply to window replacement that includes the sash only when the existing frame remains. The height limitation is now based on the distance from the floor to the bottom of the clear opening instead of the sill
AJ401.4	Structural (renovations)	-	-	Section deleted and shown as Reserved.
Appendix K: Sound Transmission				
AK102.1	General (air-borne sound)	AK102.1	General (air-borne sound)	Section revised to require air-borne sound insulation for wall and floor-ceiling assemblies to meet a sound transmission class (STC) rating of 45 where tested in accordance with ASTM E90 or a Normalized Noise Isolation Class (NNIC) rating of 42 when tested in accordance with ASTM E336.
AK103.2	General (structural air-borne sound)	AK103.2	General (structural air-borne sound)	Section revised to permit floor/ceiling assemblies between dwelling units, or between a dwelling unit and a public or service area within a structure, to have a Normalized Impact Sound Rating (NISR) of

				42 where tested in accordance with ASTM E1007.
Appendix Q: Tiny Houses				
AQ104.2.2.1	Size and capacity (ladders for loft access)	AQ104.2.2.1	Size and capacity (ladders for loft access)	The capacity of ladders providing loft access has been increased from 200 lbs to 300 lbs on any rung.
-	-	AQ106	Energy Conservation	New section addressing energy conservation for tiny houses. The new provisions address air leakage testing and whole-house mechanical ventilation. New Section AQ106.2 provides alternate compliance path of conditions that are deemed to meet Chapter R4 of the FBCEC.
Appendix R: Light Straw-Clay Construction				
AR101.1	Scope	AR101.1	Scope	Reference to Seismic Design Categories has been deleted.
Appendix S: Strawbale Construction				
Appendix S	Seismic requirements	Appendix S	-	All seismic requirements and references throughout Appendix S have been deleted.
Appendix U	Solar-Ready Provisions – Detached One- And Two-Family Dwellings, Multiple Single-Family Dwellings (Townhouses)	Appendix X	Solar-Ready Provisions – Detached One- And Two-Family Dwellings, Multiple Single-Family Dwellings (Townhouses)	The provisions of Appendix U have been relocated to Appendix X
Appendix U: Cob Construction (Monolithic Adobe)				
<p>A new appendix has been added providing prescriptive and performance-based requirements for the use of natural cob as a building material. This new appendix addresses the following criteria for cobb construction:</p> <ul style="list-style-type: none"> • Materials, mixing and installation • Finishes • General design requirements • Structural requirements • Floor construction • Fire resistance • Thermal performance • Other criteria 				
Appendix V: Board of Appeals				
<p>A new appendix has been added addressing the establishment of a Board of Appeals within the jurisdiction for the purpose of hearing applications for modification of the code pursuant to appeals. Specific criteria related to the rules and procedure and makeup of the board are addressed.</p>				

Appendix W: 3D-Printed Building Construction

A new appendix has been added addressing 3D-printed construction based on the requirements in UL 3401, *Outline of Investigation for 3D Printed Building Construction*.