Analysis of Changes for the 9th Edition (2026) Florida Building Code

Changes to the Florida Building Code, Mechanical

This *Analysis of Changes for the 9th Edition (2026) Florida Building Code* is intended to provide a comprehensive comparison of the provisions in the 8th *Edition (2023) Florida Building Code, Mechanical* (FBCM) and the 9th *Edition (2026) Florida Building Code, Mechanical*. The 8th Edition (2023) FBCM is the base code for the 9th *Edition (2026)* FBCM. The model code used to update the 9th *Edition (2026)* FBCM is the *2024 International Mechanical Code* (IMC). However, not all changes in the 2024 IMC are included in the 9th *Edition (2026)* FBCM. As a result of changes from the 2024 IMC 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 8th *Edition (2023)* FBCM. The next two columns contain section numbers and a brief overview of the corresponding requirements in the 9th *Edition (2026)* FBCM. 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 8th *Edition (2023)* or the 9th *Edition (2026)* FBCM. 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 9th *Edition (2026)* FBCM by means of a numbered section cross reference.

This *Analysis* provides a cross-reference for most of the sections that changed in the 9th *Edition (2026)* FBCM. In some cases, sections were 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.

8th Edition (2023) FBCM		9th Edition (2026) FBCM		Analysis
Section	**Requirement**	**Section**	**Requirement**	
Chapter 1: Scope and Administration				
No changes.				
Chapter 2: Definitions				
-	-	202	Definitions: Ambulatory care facility	A new definition of ambulatory care facility has been added and is defined as buildings or portions thereof used to provide medical, surgical, psychiatric, nursing, or similar care on a less than 24-hour basis to persons who are rendered incapable of self-preservation by the services provided or staff has accepted responsibility for care recipients already incapable.
202	Definitions: Condensing unit	202	Definitions: Condensing unit	This definition has been revised for consistency between this code, the Florida Building Code, Energy Conservation, ASHRAE 15, and UL 60335-2-40.
-	-	202	Definitions: Draftstop	A new definition of draftstop has been added and is defined as a material, device or construction installed to restrict the movement of air within open spaces of concealed areas of building components such as crawl spaces, floor/ceiling assemblies, roof/ceiling assemblies and attics.
202	Definitions: Flammability classification (refrigerant)	202	Definitions: Refrigerant safety group classification	Flammability classification and toxicity classification have been relocated as sub definitions of refrigerant safety group classification. Refrigerant safety group classification has been revised to require classifications of refrigerants in accordance with ASHRAE 34.
202	Definitions: Toxicity classification (refrigerant)			
-	-	202	Definitions: Grease duct	A new definition of grease duct has been added and is defined as a duct serving a Type I hood, or cooking appliances equipped with integral down-draft exhaust systems that produce grease, to convey

				grease-laden air from the hood or cooking appliance directly to the outdoors.
-	-	202	Definitions: Gypsum board	A new definition of gypsum board has been added and is defined as a type of gypsum panel product consisting of a noncombustible core primarily of gypsum with paper surfacing.
-	-	202	Definitions: Gypsum wallboard	A new definition of gypsum wallboard has been added and is defined as a gypsum board used primarily as an interior surfacing for building structures.
202	Definitions: Heat pump	202	Definitions: Heat pump	This definition has been revised for consistency between this code, the Florida Building Code, Residential, ASHRAE 15, and UL 60335-2-40.
202	Definitions: Listed	202	Definitions: Listed	Definition revised to provide examples of terms that are used to identify listed equipment, products, or materials.
202	Definitions: Lower flammable limit (refrigerant) (LFL)	202	Definitions: Lower flammable limit (refrigerant) (LFL)	Definition revised to clarify that the flame propagation is determined under specific test conditions in ASHRAE 34.
202	Definitions: Machinery room	202	Definitions: Machinery room	This definition has been revised for clarity.
202	Definitions: Noncombustible material	202	Definitions: Noncombustible material	The definition of noncombustible material has been deleted and replaced with a simple reference to a material that passes ASTM E136.
202	Definitions: Refrigerant	202	Definitions: Refrigerant	This definition has been revised for consistency between this code, the Florida Building Code, Residential, and ASHRAE 15.
-	-	202	Definitions: Refrigerant designation	A new definition of refrigerant designation has been added and is defined as the unique identifying alphanumeric value or refrigerant number assigned to an individual refrigerant and published in ASHRAE Standard 34.
202	Definitions: Refrigerating system	202	Definitions: Refrigeration system	Definition revised for consistency with ASHRAE 15.
-	-	202	Definitions: Steam bath equipment	A new definition of steam bath equipment has been added to correlate with new

				requirements for steam bath equipment added in Section 931.
Chapter 3: General Regulations				
301.16	Flood hazard	301.16	Flood hazard	A new exception has been added permitting the replacement of exterior equipment and exterior appliances, unless the replacement is part of a substantial improvement or repair of substantial damage, that are damaged by flood to be elevated to or above the same height above grade as the first floor of the building or 4 feet (1219 mm) above grade, whichever is higher. A dry floodproofed enclosure is permitted for nonresidential buildings and portions of nonresidential buildings.
302.3	Cutting, notching and boring in wood framing	302.3	Cutting, notching and boring in wood framing	The cutting, notching, and boring provisions for wood framing have been deleted, and Section 302.3 now requires cutting notching, and boring of wood framing members to comply with Section 2301.4.1 of the Florida Building Code, Building.
302.3.1	Joist notching			
302.3.2	Stud cutting and notching			
302.3.3	Bored holes			
302.5	Cutting, notching and boring in steel framing	302.5	Cutting and notching in cold-formed steel framing	The cutting, notching, and boring provisions for steel framing have been deleted. Section 302.5 now requires cutting and notching in cold-formed steel framing members to be in accordance with AISI S240 for structural members and AISI S220 for nonstructural members.
302.5.1	Cutting, notching and boring holes in structural steel framing			
302.5.2	Cutting, notching and boring holes in cold-formed steel framing	302.5.1	Cutting, notching and boring holes in structural steel framing	
302.5.3	Cutting, notching and boring holes in nonstructural cold-formed steel wall framing			
Table 305.4	Piping Support Spacing	Table 305.4	Piping Support Spacing	PB pipe and tubing have been removed from the table.
306.1	Access	306.1	Access	The phrase “be accessible” has been changed to “provide access.”
306.5	Equipment and appliances on roofs or elevated structures	306.5	Equipment and appliances on roofs or elevated structures	The permanent ladder dimensions and standards have been updated to comply with OSHA requirements.

				A top landing is now required. A clear and unobstructed landing on the exit side of the roof hatch having a minimum space of 30 inches (762 mm) deep and be of the same width as the hatch is required.
307.2.2	Drain pipe materials and sizes	307.2.2	Drain pipe materials and sizes	New language has been added requiring that drain pipes conveying condensate from cooling coils and evaporators to be insulated with a minimum of R-3 when located inside a building's unconditioned space.
Chapter 4: Ventilation				
401.4	Intake opening location	401.4	Intake opening location	Item 3 has been revised to remove "an approved" before "factory-built intake/exhaust combination termination fitting." The term "fan" has been added in front of manufacturer's instructions.
403.3.1	Other buildings intended to be occupied	403.3.1	Other buildings intended to be occupied	This section has been revised to not apply to all Group R-2, R-3 and R-4 occupancies rather than only those that are three stories and less above grade plane.
403.3.2	Group R-2, R-3 and R-4 occupancies, three stories and less	403.3.2	Group R-2, R-3 and R-4	This section has been revised to apply to all Group R-2, R-3 and R-4 occupancies rather than only those that are three stories and less above grade plane.
403.3.2.1	Outdoor air for dwelling units	403.3.2.1	Outdoor air for dwelling units	The modifier on A_{floor} in Equation 4-9 has been changed from 0.01 to 0.03. The variable A_{floor} has been revised to apply to "conditioned" floor area.
Table 403.3.1.1	Minimum Ventilation Rates	Table 403.3.1.1	Minimum Ventilation Rates	The following new occupancy classifications have been added with associated ventilation rates: Animal facilities (numerous sub-classifications) Break rooms (education) Coffee stations (education) Corridors (education)

				Laundry rooms, central (hotels, motels, resorts and dormitories) Laundry rooms within dwelling units (hotels, motels, resorts and dormitories) Break rooms (offices) Occupiable storage rooms for dry materials (offices) Outpatient healthcare facilities (numerous sub-classifications) Room with adult changing station Banks or lobbies (specialty shops Manufacturing where hazardous materials are not used Manufacturing where hazardous materials are used Sorting, packing, light assembly (workrooms) Telephone closets (workrooms) New table notes have been added and others revised applicable to these newly added occupancy classifications.
Table 403.3.2.3	Minimum Required Local Exhaust Rates for Group R-2, R-3 and R-4 Occupancies	Table 403.3.2.3	Minimum Required Local Exhaust Rates for Group R-2, R-3 and R-4 Occupancies	The minimum continuous exhaust rates in the table have been changed from 25 cfm to 50 cfm.
Chapter 5: Exhaust Systems				
501.3.1	Location of exhaust outlets	501.3.1	Location of exhaust outlets	In Item 3, the 3-foot minimum separation from operable openings no longer applies where the exhaust opening is located not less than 1 foot above the gravity air intake opening into building. Additionally, Item 3 has been revised to remove “an approved” before “factory-built intake/exhaust combination termination fitting.” The term “fan” has been added in front of manufacturer’s instructions.
-	-	501.6	Common ducts	A new section has been added prohibiting the discharge from exhaust fans serving separate dwelling or sleeping units to be

				connected to a common duct or shaft, except where the common duct or shaft is maintained at a negative pressure.
504.2	Exhaust penetrations	504.2	Exhaust penetrations	The term “draftstopping” has been changed to “draftstops.”
504.10	Commercial clothes dryers	504.10	Commercial clothes dryers	Clothes dryer transition ducts used to connect the appliance to the exhaust duct system are now required to be listed and labeled in accordance with UL 2158A.
506.2	Corrosion protection	506.2	Corrosion protection	Exhaust equipment has been added to the scope of this section.
506.3	Ducts serving Type I hoods	506.3	Grease duct systems	Section 506.3, including subsections, has been revised for clarity and to improve the terminology surrounding grease ducts. The term “grease duct” has been defined in Chapter 2 and applies to duct serving a Type I hood. Specific references to “serving a Type I hood” have been deleted throughout.
506.3.1	Duct materials	-	-	Section deleted.
506.3.1.1	Grease duct materials	506.3.1	Grease duct materials	The reference to “serving Type I hoods” has been deleted.
506.3.1.2	Makeup air ducts	508.1.3	Makeup air ducts	Section relocated.
506.3.2	Joints, seams and penetrations of grease ducts	506.3.2	Joints, seams and penetrations of grease ducts	The term “grease” has been added before duct system.
506.3.2.1	Duct joint types	506.3.2.1	Grease duct joint types	The term “grease” has been added before duct joint types.
506.3.2.2	Duct-to-hood joints	506.3.2.2	Grease duct-to-hood joints	The term “grease” has been added before duct.
506.3.2.3	Duct-to-exhaust-fan connection	506.3.2.3	Grease duct-to-exhaust-fan connection	The term “grease” has been added before duct.
506.3.2.4	Vibration isolation	506.3.2.4	Vibration isolation	The term “grease” has been added before duct.
506.3.2.5	Grease duct test	506.3.2.5	Grease duct test	The term “grease” has been added before duct.
		506.3.2.5.1	Light test	
		506.3.2.5.2	Water spray test	An alternative water spray testing protocol for testing grease ducts has been added.

				The light output for the light test has been changed to require a lamp having not less than 1600 lumens to allow the use of LED lamps.
506.3.3	Grease duct supports	506.3.3	Grease duct supports	The term “grease” has been added before duct.
506.3.4	Air velocity	506.3.4	Air velocity	The reference to “serving Type I hoods” has been deleted. The term “grease” has been added before duct.
506.3.5	Separation of grease duct system	506.3.5	Separation of grease duct system	The term “grease” has been added before duct.
506.3.7	Prevention of grease accumulation in grease ducts	506.3.7	Prevention of grease accumulation in grease ducts	The term “grease” has been added before duct.
506.3.7.1	Grease duct reservoirs	506.3.7.1	Grease duct reservoirs	The term “grease” has been added before duct.
506.3.7.8	Grease duct cleanouts and openings	506.3.7.8	Grease duct cleanouts and openings	The term “grease” has been added before duct.
506.3.8.1	Personnel entry	506.3.8.1	Personnel entry	The term “grease” has been added before duct.
506.3.8.2	Cleanouts serving in-line fans	506.3.8.2	Cleanouts serving in-line fans	The term “grease” has been added before duct.
506.3.9	Grease duct horizontal cleanouts	506.3.9	Grease duct horizontal cleanouts	The term “grease” has been added before duct.
506.3.10	Underground grease duct installation	506.3.10	Underground grease duct installation	The term “grease” has been added before duct.
506.3.11	Grease duct enclosures	506.3.11	Grease duct enclosures	The term “grease” has been added before duct.
506.3.11.1	Shaft enclosures	506.3.11.1	Shaft enclosures	The term “grease” has been added before duct. This section also clarifies that shaft enclosures are required to be sealed around the grease duct.
506.3.11.2	Field-applied grease duct enclosure	506.3.11.2	Field-applied grease duct enclosure	The term “grease” has been added before duct.
506.3.11.2	Factory-built grease duct enclosure assemblies	506.3.11.2	Factory-built grease duct enclosure assemblies	The term “grease” has been added before duct.

506.3.12	Grease duct fire-resistive access opening	506.3.12	Grease duct fire-resistive access opening	The term “grease” has been added before duct.
506.3.13	Exhaust outlets serving Type I hoods	506.3.13	Exhaust outlets	The reference to “serving Type I hoods” has been deleted.
506.5.1	Exhaust fans	506.5.1	Exhaust fans	The reference to UL 762 in the exception has been changed to UL 705.
506.5.1.2	In-line fan location	506.5.1.2	In-line fan location	The term “grease” has been added before duct.
506.5.2	Pollution-control units	506.5.2	Pollution-control units	In Item 2, the reference to UL 762 has been changed to UL 705. The term “grease” has been added before duct.
506.5.4	Exhaust fan mounting	506.5.4	Exhaust fan mounting	The term “ductwork” has been changed to “grease duct system.”
507.1	General (commercial kitchen hoods)	507.1	General (commercial kitchen hoods)	The provisions of Section 507 have been reorganized into a logical order of application. The last sentence of Section 507.1 has been deleted. Exceptions 2 and 3 have been combined and clarify the situation where a hood is not required above the product or cooking operation because of the particular type of product or cooking operation. New exceptions have been added for ovens, electric cooking appliances, and commercial electric dishwashers meeting the specified criteria. The exemption in Section 507.3 for requiring a Type II hood above where the heat and moisture loads from dishwashers and appliances that produce heat or moisture and do not produce grease or smoke as a result of the cooking process has been relocated as new Exception 6.

507.1.1	Operation	507.1.1	Operation	Editorial revisions have been made as part of the reorganization of Section 507.
507.1.2	Domestic cooking appliances used for commercial purposes	507.1.2	Domestic cooking appliances used for commercial purposes	Editorial revisions have been made as part of the reorganization of Section 507.
507.1.3	Fuel-burning appliances	507.1.3	Fuel-burning appliances	This section has been completely deleted and replaced with new language prohibiting appliances equipped with draft hoods or atmospheric burners from being located in the same room or space containing a Type I or Type II hood except where the appliance is located in a sealed enclosure equipped with a self-closing device with combustion air obtained from the outdoors or from other spaces in the building in accordance with Chapter 7 or the Florida Building Code, Fuel Gas.
507.2	Type I hoods	507.2	Type I hoods	Exception 1 has been deleted.
507.2.4	Type I supports	507.2.4	Type I supports	The term “ductwork” has been change to “grease duct system.”
507.3	Type II hoods	507.3	Type II hoods	The exemption of requiring a Type II hood above where the heat and moisture loads from dishwashers and appliances that produce heat or moisture and do not produce grease or smoke as a result of the cooking process has been relocated as Exception 6 in Section 507.1. New language has been added permitting a Type I hood to be installed for a required Type II hood provided that the Type I hood installation complies with all of the requirements for a Type I hood installation. Additionally, where a Type I hood serves only dishwashers and appliances that require a Type II hood, the Type I hood is not required to have fire suppression or grease filters.
-	-	507.3.4	Capacity of Type II hoods	A new section has been added that is part of the reorganization of Section 507.
507.4	Hood size and location	507.1.6	Hood size and location	Section relocated.

507.4.1	Canopy size and location	507.1.6.1	Canopy size and location	Section relocated.
507.4.2	Noncanopy size and location	507.1.6.2	Noncanopy size and location	Section relocated.
507.5	Capacity of hoods	507.2.10	Capacity of Type I hoods	Section relocated.
507.5.1	Extra-heavy-duty cooking appliances	507.2.10.1	Extra-heavy-duty cooking appliances	Section relocated.
507.5.2	Heavy-duty cooking appliances	507.2.10.2	Heavy-duty cooking appliances	Section relocated.
507.5.3	Medium-duty cooking appliances	507.2.10.3	Medium-duty cooking appliances	Section relocated.
507.5.4	Light-duty cooking appliances	507.3.4.1	Light-duty cooking appliances	Section relocated.
507.5.5	Dishwashing appliances	507.3.4.2	Dishwashing appliances	Section relocated.
507.6	Performance test	507.1.7	Performance test	Section relocated.
507.6.1	Capture and containment test	507.1.7.1	Capture and containment test	Section relocated.
508.1.1	Makeup air temperature	508.1.1	Makeup air temperature	This section has been revised to clarify that the intent which is to either design the HVAC system for the kitchen to handle makeup air loads, or to have a dedicated makeup air conditioning system. It is also clarified that the 10-degree differential applies to the thermostat setpoint temperature in the kitchen, not the temperature of the kitchen.
509.1	Where required (fire suppression systems)	507.2.11	Fire suppression systems	Section relocated and editorially clarified.
Chapter 6: Duct Systems				
602	Plenums	602	Plenums	Section 602 has been reorganized to provide clarity as to the various materials permitted to be located within a plenum.
602.1	General (plenums)	602.1	General (plenums)	This section has been reformatted for clarity.
		602.1.1	Locations limited	
		602.1.2	Limited to a fire area	
		602.1.3	Fuel-fired appliances	
602.2.1	Materials within plenums	602.3	Materials within plenums	A new exception has been added allowing PVC pipes and fittings for the removal of condensate in air handler closets to be used in plenums in the dwelling units of R-2 and R-3 occupancies when complying with all the specified conditions.
604.3	Coverings and linings (insulation)	604.3	Coverings and linings (insulation)	A new exception to the flame spread and smoke-developed indexes has been added for duct coverings added to the outside of

				ducts and not contained in plenums, including adhesives where used.
Chapter 7: Combustion Air				
No changes.				
Chapter 8: Chimneys and Vents				
No changes.				
Chapter 9: Specific Appliances, Fireplaces and Solid Fuel-Burning Equipment				
907.1	General (incinerators and crematories)	907.1	General (incinerators and crematories)	This section has been revised to require factory-built cremation furnaces to comply with UL 2790.
912.1	General (infrared radiant heaters)	912.1	General (electric space heaters)	Infrared radiant heaters have been changed to electric space heaters, and the scope of this section has been changed to apply to those that are permanently installed. New language has been added requiring electric space heaters to be listed and labeled in accordance with UL 2021 and installed in accordance with the manufacturer's instructions.
912.2	Support	912.2	Support	Infrared radiant heaters have been changed to electric space heaters.
916.1	General (pool and spa heaters)	916.1	General (pool and spa heaters)	The exception for portable residential spas and portable residential exercise spas complying with UL 1563 or CSA C22.2 No. 218.1 has been deleted.
-	-	931	Steam Bath Equipment	A new section has been added requiring steam bath equipment to be listed and labeled in accordance with UL 499 and be installed in accordance with their listing and the manufacturer's instructions.
Chapter 10: Boilers, Water Heaters and Pressure Vessels				
1001.1	Scope			A new exception has been added for pressure vessels used in specific appliances and equipment that are regulated by Chapter 9.
Chapter 11: Refrigeration				
1101.2	Factory-built equipment and appliances	1101.2	Factory-built equipment and appliances	A new table has been added to identify the standards that apply to the various types of

		Table 1101.2	Factory-built Equipment and Appliances	equipment and appliances addressed by this section.
-	-	1101.2.1	Group A2L, A2, A3 and B1 high probability equipment	A new section has been added requiring high probability equipment using Group A2L, A2, A3, or B1 refrigerant to comply with UL 484, UL/CSA 60335-2-40, or UL/CSA 60335-2-89
1101.8	Change in refrigerant type	1101.8	Changing refrigerant	This section has been revised to address changes of refrigerant from one safety class to another. The new requirements are consistent with ASHRAE 15.
1102.2.1	Mixing	1102.2.1	Mixing	This section has been revised to address mixing of refrigerant from one safety class to another. The new requirements are consistent with ASHRAE 15.
Table 1103.1	Refrigerant Classification, Amount and OEL	Table 1103.1	Refrigerant Classification, Amount and OEL	The refrigerant table has been updated to include new refrigerants added to ASHRAE 34.
1104.3.1	Air-conditioning for human comfort	1104.3.1	Air-conditioning for human comfort	This section has been revised to correlate with updates to ASHRAE 15. High probability direct systems for human comfort must use either Group A1 or A2L refrigerants.
1104.3.2	Nonindustrial occupancies	1104.3.2	Group A2, A3, B2 and B3 refrigerants	This section has been revised to correlate with updates to ASHRAE 15. Table 1104.3.2 has been deleted. The provisions of previous Table 1104.3.2 are now contained in the revised text of Section 1104.3.1.
Table 1104.3.2	Maximum Permissible Quantities of Refrigerants	-	-	
-	-	1105.6.1.1	Indoor exhaust opening location	A new section has been added requiring indoor mechanical exhaust intake openings to be located where refrigerant leakage is likely to concentrate based on the refrigerant's relative density to air, and the locations of the air current paths and refrigerating machinery.
1105.9	Emergency pressure control system	1105.9	Emergency pressure control system	This section has been revised to simply refer to the Florida Fire Prevention Code for required emergency pressure control systems.

-	-	1105.10	Means of egress	A new section has been added specifying means of egress for machinery rooms. Machinery rooms larger than 1,000 square feet are required to have not less than two exits or exit access doorways. Additional requirements are provided for the type and location of the doors, maximum exit access travel distance, panic hardware and other requirements.
1106.4	Flammable refrigerants	1106.4	Class 2 and 3 refrigerants	Section title has been changed.
-	-	1106.5	Group A2L and B2L refrigerant	A new section has been added addressing machinery rooms for Group A2L and B2L refrigerants.
-	-	1106.5.1	Elevated temperatures	A new section has been added prohibiting the permanent installation of open-flame-producing devices or continuously operating hot surfaces over 1290°F in the room.
-	-	1106.5.2	Refrigerant detector	A new section has been added requiring refrigerant detectors to signal an alarm and activate the ventilation system in accordance with the response time specified in new Table 1106.5.2.
		Table 1106.5.2	Group A2L and B2L Detector Activation	
-	-	1106.5.3	Mechanical ventilation	A new section has been added requiring the machinery room to have a mechanical ventilation system complying with ASHRAE 15.
1107	Refrigerant piping	1107	Piping material	The provisions pertaining to refrigerant piping have been reorganized and updated. The sections expands the use of Group A2L refrigerants that are classified as low global warming potential refrigerants. Section 1108 on joints and connections has been reorganized to follow similar sections pertaining to joints and connections in Chapter 12. Sections 1108.4 through 1108.8 list each material and the acceptable joining methods for the particular material.
-	-	1108	Joints and connections	
-	-	1109	Refrigerant pipe installation	
1108	-	1110	Refrigerant piping system test	

				New Section 1109 expands on the piping installation requirements to address necessary safety measures to ensure proper pipe installation. The testing requirements for refrigerant piping have been relocated to Section 1110. Acceptable field test gasses have been updated to allow oxygen-free nitrogen, helium argon or premixed nonflammable oxygen-free nitrogen with a tracer gas of hydrogen or helium. For R 744 refrigeration systems, carbon dioxide is allowed as the test medium. For R-718 refrigeration systems, water is allowed as the test medium. Two tests are now required – pressure test and vacuum test.
1109	Periodic testing	1109	Periodic testing	Section relocated.
Chapter 12: Hydronic Piping				
1201.2	Scope	1201.2	Scope	Hydronic application radiant heating, radiant cooling, and snow- and ice-melting have been added to the scope of this section.
Table 1202.4	Hydronic Pipe	Table 1202.4	Hydronic Pipe	The standards for stainless steel pipe and stainless steel tubing have been updated.
Table 1202.5	Hydronic Pipe Fittings	Table 1202.5	Hydronic Pipe Fittings	The standards for copper and copper alloy, PE-RT, PEX, and stainless steel fittings have been updated.
1203.3.4	Solvent cement joints	1203.3.4	Solvent cement joints	For CPVC joint connections where a primer is not required, the solvent cement is now permitted to be green in color.
1203.11	Polybutylene plastic pipe and tubing	1203.11	Reserved	Section deleted and shown as Reserved.
1203.11	Heat-fusion joints	-	-	Section deleted.
-	-	1203.20	Stainless steel pipe	A new section has been added requiring joints between stainless steel pipe or fittings to be mechanical joints that are made with an approved elastomeric seal or be threaded or welded joints conforming to Section 1203.3.

-	-	1203.21	Stainless steel tubing	A new section has been added requiring joints between stainless steel tubing or fittings to be mechanical or welded joints conforming to Section 1203.3.
1205.1	Where required (valves)	1205.1	Where required (valves)	New language requires access to be provided to all full open valves and shutoff valves.
1209.1	Materials (embedded piping)	1209.1	Materials (embedded piping)	Polybutylene has been deleted from the list of permitted pipe materials in this section.
1209.3.3	Polybutylene joints	-	-	Section deleted.
-	-	1209.6	Radiant tubing placement	A new section has been added addressing radiant heating and cooling tubing installation. New Table 1209.6.1 specifies maximum circuit lengths and considers the allowable temperature gain or loss from the hydronic fluid and the typical pressure loss in radiant circuits of those diameters. New Section 1209.6.2 requires each individual radiant tubing circuit to have a tag or label securely affixed to each manifold outlet to indicate the length of each circuit and the areas served. New Section 1209.6.3 requires radiant tubing drawings and design reports to be provided to the building owner or the designated representative of the building owner.
		1209.6.1	Radiant tubing circuit length	
		Table 1209.6.1	Maximum Circuit Length of Radiant Tubing from a Supply-and-Return Manifold Arrangement	
		1209.6.2	Radiant tubing circuit tags	
		1209.6.3	Radiant tubing drawings	
Table 1210.4	Ground-Source Loop Pipe	Table 1210.4	Ground-Source Loop Pipe	The standards for cross-linked polyethylene (PEX) pipe have been updated.
Table 1210.5	Ground-Source Loop Pipe Fittings	Table 1210.5	Ground-Source Loop Pipe Fittings	The standards for cross-linked polyethylene (PEX) pipe and raised temperature polyethylene (PE-RT) have been updated.

1210.6	Joints	1210.6	Joints	The requirement that joints be “approved” has been changed to “joints be of an approved type.”
Chapter 13: Fuel Oil Piping and Storage				
No changes.				
Chapter 14: Solar Systems				
No changes.				
Appendix C: Clean Air Delivery				
A new appendix has been added that if adopted, will require mechanical systems in Group A, B, E, and I occupancies to be sized to accommodate a design airflow at a total static pressure drop that assumes the utilization of a supply air filter with a Minimum Efficiency Reporting Value (MERV) of not less than 13.				
Appendix D: Clean Air Delivery and Monitoring				
A new appendix has been added that if adopted, will require carbon dioxide sensors in Group A, B, E, and I occupancies. New sections are added addressing carbon dioxide sensor performance specifications, mechanical system controls, carbon dioxide detection threshold levels, and notifications for when carbon dioxide threshold levels are exceeded.				