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Title 17
CONSTRUCTION
Part I. Uniform Construction Code

Chapter 1. Adoption of the *Louisiana State Uniform Construction Code* (Formerly LAC 55:VI.Chapter 3)

§101. *Louisiana State Uniform Construction Code* (Formerly LAC 55:VI.301.A)

A. In accordance with the requirements set forth in R.S.40:1730.28, effective February 1, 2018 the following is hereby adopted as an amendment to the *Louisiana state Uniform Construction Code*.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1).

HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshal, LR 41:2380 (November 2015), amended by the Department of Public Safety and Corrections, Office of State Fire Marshal, Uniform Construction Code Council, LR 42:1672 (October 2016), LR 44:75 (January 2018), repromulgated LR 45:912 (July 2019), amended LR 47:80 (January 2021), LR 48:2577 (October 2022), LR 50:403 (March 2024).

§103. *International Building Code* (Formerly LAC 55:VI.301.A.1)

A. *International Building Code* (IBC), 2021 Edition, not including Chapter 1, Administration, Chapter 11, Accessibility, Chapter 27, Electrical. The applicable standards referenced in that code are included for regulation of construction within this state. Furthermore, IBC shall be amended as follows and shall only apply to the *International Building Code*.

Amend	Chapter 2, Definitions.	Mini-Storage Facility- a self-service storage facility which rents or leases individual storage space to occupants for the storage and/or removal of personal property.
Amend	Table 509.1	
Adopt	Item (18)	Stationary storage battery systems having an energy capacity greater than the threshold quantity specified in 2021 IFC Table 1207.1.1, shall have a 2 HR Separation and/or Protection.
Amend	Section 903.2.1.2, Group A-2.	
Amend	Item (2.)	Item (2). The fire area has an occupant load of 300 or more.
Adopt	Item (4.)	Item (4). Open-air pavilions on three sides or more, not exceeding 12,000 square feet, shall not be required to comply with 903.2.1.2(1) and 903.2.1.2(2) where each side has unobstructed access to a public way (10'-0" wide by 10'-0")' high). No fixed elements, equipment, seating, etc. are permitted within the 10'-0" by 10'-0" access.
Adopt	Exceptions	(a). The requirements of Sections 903.2.1.2(1) and 903.2.1.2(2) shall not apply to a single multi-purpose room less than 12,000 sf when all of the following conditions are met. (1.) The single multi-purpose room shall not be used for display or exhibition, bars or taverns. (2.) The single multi-purpose room shall not share exit access with other occupancies. Non-separated accessory uses that are incidental or ancillary to the single multi-purpose room shall be considered as part of the assembly occupancy. The accessory uses shall not be limited to 10 percent of the single multi-purpose room floor area and/or building, but shall be included and considered as part of the limited assembly room floor area. (3.) The single multi-purpose room shall not be part of a fire area containing other assembly occupancies. (4.) A single multi-purpose room with an occupant load greater than 300 persons shall be provided with a fire alarm system in accordance with Section 907.2.1. (5.) The single multi-purpose room with its accessory or ancillary uses shall be separated, when part of a multiple occupancy, in accordance with Table 508.4 and Section 707 from the remainder of the building. The single multi-purpose room fire area containing the single multi-purpose room and its accessory or ancillary uses shall be less than 12,000 sf. (6.) Provide system smoke detection in all areas in accordance with Section 907 throughout the entire building.
Amend	Section 903.2.1.3, Group A-3.	
Adopt	Item (4.)	4. Open air pavilions on three sides or more, not exceeding 12,000 square feet, shall not be required to comply with Section 903.2.1.3(2) where each side has unobstructed access to a public way (10'-0" wide by 10'-0" high). No fixed elements, equipment, seating, etc. are permitted within the 10'-0" by 10'-0" access.

Adopt	Exceptions	(a). The requirements of Sections 903.2.1.3(1) and 903.2.1.3(2) shall not apply to a single multi-purpose room less than 12,000 sf when all of the following conditions are met: (1.) The single multi-purpose room shall not be used for display or exhibition. (2.) The single multi-purpose room shall not share exit access with other occupancies. Non-separated accessory uses that are incidental or ancillary to the single multi-purpose room shall be considered as part of the assembly occupancy. The accessory uses shall not be limited to 10 percent of the single multi-purpose room floor area and/or building, but shall be included and considered as part of the limited assembly room floor area. (3.) The single multi-purpose room shall not be part of a fire area containing other assembly occupancies. (4.) A single multi-purpose room with an occupant load greater than 300 persons shall be provided with a fire alarm system in accordance with Section 907.2.1. (5.) The single multi-purpose room with its accessory or ancillary uses shall be separated, when part of a multiple occupancy, in accordance with Table 508.4 and Section 707 from the remainder of the building. The single multi- purpose room fire area containing the single multi-purpose room and its accessory or ancillary uses shall be less than 12,000 sf. (6.) Provide system smoke detection in all areas in accordance with Section 907 throughout the entire building.
Amend	Section 903.2.9.4, Group S-1.	
Amend	Exception	
Adopt	Item (2)	(2.) The requirement of Section 903.2.9.4 shall not apply to mini-storage facilities less than 12,000 sf. Mini-storage facilities, including mini-storage facilities which are climate-controlled, shall comply with 903.2.9(1) thru 903.2.9(4).
Amend	Section 903.2.8, Group R.	
Adopt	Exceptions	(a). An automatic sprinkler system is not required when not more than two dwelling or sleeping units are attached to a commercial or non-residential occupancy where all of the following conditions exist: (1.) The dwelling or sleeping units shall be separated vertically and/or horizontally from the non-residential occupancy as well as each other by two-hour construction in accordance with Sections 707 and 711. (2.) Provide system smoke detection in all areas in accordance with Section 907 throughout the entire building. (3.) Egress from the dwelling or sleeping units shall not pass through the non-residential occupancy. (4.) The building shall not exceed two stories.
Adopt		(b.) An automatic sprinkler system is not required in Residential Group R-3, boarding houses (transient and nontransient) as defined by Section 310.5, where one of the following conditions exist: (1.) Every sleeping room has a door opening directly to the exterior at the street or finish grade. (2.) Every sleeping room has a door opening directly to the exterior which leads to an outside stair protected in accordance with Section 1027.
Amend	Section 1010.2.4, Locks and Latches.	
Amend	Item (2.)	Electric locking systems, including electromechanical locking systems and electromagnetic locking systems, shall be permitted to be locked in the means of egress in Group I-1 or I-2 occupancies where persons receiving care require their containment. Controlled egress doors shall be permitted in such occupancies where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke or heat detection system installed in accordance with Section 907, provided that the doors are installed and operate in accordance with all of the following: (a.) The door locks shall unlock on actuation of the automatic sprinkler system or automatic fire detection system. (b.) The door locks shall unlock on loss of power controlling the lock or lock mechanism. (c.) The door locking system shall be installed to have the capability of being unlocked by a switch located at the fire command center, a nursing station or other approved location. The switch shall directly break power to the lock. (d.) A means of manual mechanical unlocking must be provided at each door that is not in direct view of the remote release location required by Item c. (e.) The procedures for unlocking the doors shall be described and approved as part of the emergency planning and preparedness required by Chapter 4 of the International Fire Code. (f.) All clinical staff shall have the keys, codes or other means necessary to operate the locking systems. (g.) Emergency lighting shall be provided at the door. (h.) The door locking system units shall be listed in accordance with UL 294. (i.) "Automatic" Re-Locking, after an emergency release as described above, shall be prohibited. A specific human action dedicated for re-locking doors must be provided at the remote control location or at each lock location. (j.) Document the "staff/patient ratio" for the occupants of the locked area to the authority having jurisdiction. The ratio shall be within state and federal licensing/certification guidelines. Please note that only "nurses" and "nurses' aides" assigned to the locked area shall be considered acceptable responsible staff in regard to this ratio documentation. (k.) Provide the reason for installing specialized security measures to the authority having jurisdiction. (l.) Documentation addressing each condition itemized above shall be provided to the authority having jurisdiction and shall include the signature of the building owner or the facility administrator.

Amend	Item (3.)	3. In buildings in occupancy Group A having an occupant load of 500 or less, Groups B and M, the main door or doors are permitted to be equipped with key-operated locking devices from the egress side provided: 3.1. The locking device is readily distinguishable as locked. 3.2. A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. The sign shall be in letters 1 inch (25 mm) high on a contrasting background. 3.3. The use of the key-operated locking device is revocable by the building official for due cause.
Adopt	Item (3.4)	Doors remain unlocked when the building or space is occupied
Adopt	Item (3.5)	A key is immediately available to any occupant inside the building or space when it is locked.
Repeal	Item (8)	
Repeal	Item (8.1)	
Repeal	Item (8.2)	
Repeal	Item (8.3)	
Repeal	Item (8.4)	
Repeal	Item (8.5)	
Repeal	Item (8.6)	
Repeal	Exception	Where approved, in Group I occupancies, the installation of a sign is not required where care recipients who because of clinical needs require restraint or containment as part of the function of the treatment area.
Amend		(7.) Emergency lighting shall be provided on the egress side of the door. (8.) The delayed egress locking system units shall be listed in accordance with UL 294.
Amend	Section 1010.2.11, Door hardware release of electrically locked egress doors.	(a.) a. Doors in the required means of egress shall be permitted to be locked with an electromagnetic locking system where equipped with hardware and where installed and operated in accordance with all of the following: (1.) The hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions. (2.) The hardware is capable of being operated with one hand. (3.) Operation of the hardware directly interrupts the power to the electromagnetic lock and unlocks the door immediately. (4.) Loss of power to the locking system automatically unlocks the door. (5.) Where panic or fire exit hardware is required by Section 1010.1.10, operation of the panic or fire exit hardware also releases the electromagnetic lock. (6.) The locking system units shall be listed in accordance with UL 294.
Adopt	Item (5.)	(5.) The activation of manual fire alarm boxes that activate the fire alarm system shall not be required to unlock the doors.
Amend	Item (6.)	(6.) Activation of the building automatic sprinkler system or fire detection system, where provided, shall automatically unlock the doors. The doors shall remain unlocked until the fire alarm system has been reset.
Amend	Item (7.)	(7.) The door locking system units shall be listed in accordance with UL 294.
Adopt	Item (8.)	(8.) Doors in buildings with an occupancy in Group A shall not be secured from the egress side during periods that the building is open to the general public.
Adopt	Item (9.)	(9.) Doors in buildings with an occupancy in Group R-3 or Group I-3 shall not be equipped with this locking system.
Adopt	Item (10.)	(10.) Doors serving any Group M occupancy shall be permitted to be equipped with this locking system in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke or heat detection system installed in accordance with Section 907.
Adopt	Item (11.)	(11.) Emergency egress lighting shall be provided at the door.
Amend	Section 1010.2.12, Sensor Release of Electrically Locked Egress Doors.	
Adopt	Exception	The activation of manual fire alarm boxes that activate the building fire-protective signaling system shall not be required to unlock the door leaves.
Amend	Section 1010.2.13, Delayed Egress.	Delayed egress locking systems shall be permitted to be installed on doors serving the following occupancies in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1 or an approved automatic smoke or heat detection system installed in accordance with Section 907.
Amend	Item (3)	Group A, other than the main entrance/exit doors.
Amend	Section 1010.2.13.1, Delayed Egress Locking System.	
Amend	Item (5.)	The egress path from any point shall not pass through more than one delayed egress locking system.
Repeal	Exception	
Repeal	Item (1.)	
Repeal	Item (2.)	
Amend	Item (6.)	
Repeal	Exception	
Amend	Section 1020.2, Construction.	
Amend	Exception	
Adopt	Item (6.)	(6.) A fire-resistance rating is not required for corridors where the space or area served does not exceed the occupant load and common path of egress travel values, for each occupancy, listed in Table

		1006.2.1. The travel distance to the exit from the space or area served shall not exceed the common path of travel.
Amend	Section 1020.6, Air Movement in Corridors.	Corridors that require protection under Table 1020.1—Corridor Fire-Resistance Rating, shall not serve as supply, return, exhaust, relief or ventilation air ducts.
Amend	Section 1027.6	
Amend	Exceptions	
Adopt	Item (5)	(5.) Exterior stairs or ramps which serve no more than one story above the level of exit discharge and constructed with non-combustible materials or constructed with fire retardant treated lumber, shall be allowed when the fire separation distance is between 5 and 10 feet measured from the exterior edge of the stairway or ramp.
Amend	Section 1031.2	
Amend	Exception	
Amend	Item (6)	(6.) In other than Group R-3 occupancies, buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2.
Repeal	Section 1207, Enhanced Classroom Acoustics.	

Amend	Section 1603.1.5, Earthquake Design Data.	The following information related to seismic loads shall be shown, regardless of whether seismic loads govern the design of the lateral-force-resisting system of the building:
		a. seismic importance factor, I, and occupancy category;
		b. mapped spectral response accelerations, SS and S1;
		c. site class;
		d. spectral response coefficients, SDS and SD1;
		e. seismic design category;
		f. basic seismic-force-resisting system(s);
		g. design base shear;
		h. seismic response coefficient(s), CS;
		i. response modification factor(s), R;
		j. analysis procedure used;

Adopt	Exceptions	
Adopt	Item (1.)	(1.) Construction documents that are not required to be prepared by a registered design professional;
Adopt	Item (2.)	(2.) Construction documents for structures that are assigned to Seismic Design Category A.
Amend	Section 1609.2, Protection of Openings.	In wind-borne debris regions, glazing in buildings shall be impact resistant or protected with an impact-resistant covering meeting the requirements of an approved impact-resistant standard or ASTM E 1996 and ASTM E 1886 referenced herein as follows: a. Glazed openings located within 30 feet (9144 mm) of grade shall meet the requirements of the large missile test of ASTM E 1996. b. Glazed openings located more than 30 feet (9144 mm) above grade shall meet the provisions of the small missile test of ASTM E 1996.
Amend	Exceptions	
Amend	Item (1.)	(1.) Wood structural panels with a minimum thickness of 7/16 inch (11.1 mm) and maximum panel span of 8 feet (2438 mm) shall be permitted for opening protection in one- and two-story buildings classified as Risk Category 2. Panels shall be precut so that they shall be attached to the framing surrounding the opening containing the product with the glazed opening. Panels shall be predrilled as required for the anchorage method and shall be secured with the attachment hardware provided. Attachments shall be designed to resist the components and cladding loads determined in accordance with the provisions of ASCE 7, with corrosion-resistant attachment hardware provided and anchors permanently installed on the building. Attachment in accordance with Table 1609.1.2 with corrosion-resistant attachment hardware provided and anchors permanently installed on the building is permitted for buildings with a mean roof height of 45 feet (13 716 mm) or less where V_{asd} determined in accordance with Section 1609.3.1 does not exceed 140 mph (63 m/s).
Amend	Item (2.)	(2.) Glazing in Risk Category I buildings as defined in Section 1604.5, including greenhouses that are occupied for growing plants on a production or research basis, without public access shall be permitted to be unprotected.
Amend	Item (3.)	(3.) Glazing in Risk Category II, III or IV buildings located over 60 feet (18 288 mm) above the ground and over 30 feet (9144 mm) above aggregate surface roofs located within 1,500 feet (458 m) of the building shall be permitted to be unprotected.
Amend	Section 1612.2, Design and Construction.	The design and construction of buildings and structures located in flood hazard areas, including coastal high hazard areas and coastal A zones, shall be in accordance with Chapter 5 of ASCE 7 and ASCE 24-14. The local jurisdictions, utilizing flood plain manager, shall have the authority to adopt higher freeboard amounts as needed (CRS, etc.) but shall not have the authority to adopt freeboard amounts less than those required in ASCE-24-14.
Amend	Section 1613.1, Scope.	Every structure, and portion thereof, including nonstructural components that are permanently attached to structures and their supports and attachments, shall be designed and constructed to resist the effects of earthquake motions in accordance with ASCE 7, excluding Chapter 14 and Appendix 11A. The seismic design category for a structure is permitted to be determined in accordance with Section 1613 or ASCE 7-10. Figure 1613.5(1) shall be replaced with ASCE 7-10 Figure 22-1. Figure 1613.5(2) shall be replaced with ASCE 7-10 Figure 22-2.
Amend	Item (3.)	(3.) Glazing in Risk Category II, III or IV buildings located over 60 feet (18 288 mm) above the ground and over 30 feet (9144 mm) above aggregate surface roofs located within 1,500 feet (458 m) of the building shall be permitted to be unprotected.
Amend	Chapter 29	
Adopt	Chapter 29	All plumbing provisions located in this Chapter shall reference 2021 IPC with Louisiana Amendments.
Repeal	Section 3001.2, Emergency Elevator	

	Communication Systems.	
Amend	Section 3113, Relocatable Buildings.	Relocatable Buildings constructed on or after January 1, 2007 Shall conform to the Louisiana Industrialized Building Act. Relocatable Buildings constructed prior to January 1, 2007 shall meet the requirements of Section 3113.3.
Amend	Section 3313.2, Supplemental Information.	Supplemental information specific to a relocatable building shall be submitted to the authority having jurisdiction. It shall, as a minimum, include the following:
Adopt	Item (1)	Each relocatable module constructed after January 1, 2007 shall conform with the Louisiana Industrialized Buildings Act and shall have a data plate that is permanently attached on or adjacent to the electrical panel, and shall include the following information: Occupancy group. Manufacturer's name and address. Date of manufacture. Serial number of module. Design wind speed. Special limitations if any.
Adopt	Exception:	Buildings without Data Plate shall meet requirements of Section 3113.3 and remaining requirements of this section.
Adopt	Item (2)	Foundation Design Documents.
Adopt	Item (3)	Site-built structure or appurtenance attached to the relocatable building.
Amend	3113.3, Buildings Built prior to January 1, 2007.	Relocatable buildings without a data plate shall be inspected and certified by one of the following methods:
Adopt	Item (1)	Inspection and acceptance by Local Building Official to meet the code requirements in place at time of construction.
Adopt	Item (2)	Inspection and acceptance by a third party inspector registered with LSUCCC to meet the code requirements in place at time of construction.
Adopt	Item (3)	Recertification and acceptance to current code and requirements of the Louisiana Industrialized Building Act.
Repeal	Section 3314, Fire Watch During Construction	
Adopt	Appendix G	
Amend	User Notes	
Repeal		
Amend	Section G102 Definitions	
Repeal	Manufactured Home	
Repeal	Manufactured Home Park or Subdivision	
Repeal	Recreational Vehicle	
Amend	Section G103.1General	
Repeal	Item 1	
Repeal	Item 2	
Repeal	Item 3	
Repeal	Item 4	
Repeal	Item 7	
Amend	Section G104 Power and Duties	
Repeal	Section G104.5.1 Floodway revisions	
Repeal	Section G104.6 Watercourse alteration	
Repeal	Section G104.6.1 Engineering analysis	
Repeal	Section G104.7Alterations in coastal area	
Amend	Section G105 Permits	
Repeal	Section G105.2 Application for permit	
Repeal	Item 1	
Repeal	Item 2	
Repeal	Item 3	
Repeal	Item 4	
Repeal	Item 5	
Repeal	Item 6	
Repeal	Item 7	
Repeal	Item 8	
Amend	Section G106 Variances	
Amend	Section G106.7 Conditions for issuance	
Repeal	Item 5	
Repeal	Section G107 Subdivisions	
Repeal	Section G107.1 General	
Repeal	Item 1	
Repeal	Item 2	
Repeal	Item 3	

Repeal	Section G 107.2 Subdivision requirements	
Repeal	Item 1	
Repeal	Item 2	
Repeal	Item 3	
Repeal	Item 4	
Amend	Section G108 Site Improvement	
Repeal	Section G108.3 Sewer Facilities	
Repeal	Section G108.4 Water Facilities	
Repeal	Section G108.5 Storm drainage	
Repeal	Section G108.6 Streets and sidewalks	
Repeal	Section G109 Manufactured Homes	
Repeal	Section G109.1 Elevation	
Repeal	Section G109.2 Foundations	
Repeal	Section G109.3 Anchoring	
Repeal	Section G109.4 Protection of mechanical equipment and outside appliances	
Repeal	Exception	
Repeal	Section G109.5 Enclosures	
Repeal	Section G 110 Recreational Vehicles	
Repeal	Section G110.1 Placement prohibited	
Repeal	Section G110.2 Temporary placement	
Repeal	Section G110.3 Permanent Placement	
Repeal	Section G111 Tanks	
Repeal	Section G111.1 Tanks	
Amend	Section 112 Other Building Work	
Repeal	Section G112.2 Fences	
Repeal	Section G112.3 Oil derricks	
Repeal	Section G112.4 Retaining walls, sidewalks and driveways	
Repeal	Section G112.5 Swimming pools	
Repeal	Section G112.6 Decks, porches, and patios	
Repeal	Section G112.7 Nonstructural concrete slabs in coastal high-hazard areas and coastal A zones	
Repeal	Section G112.8 Roads and watercourse crossings in regulated floodways	
Amend	Section G114 Utility and Miscellaneous Group U	
Amend	Section G114.1 Utility and Miscellaneous Group U	Utility and miscellaneous Group U includes buildings that are accessory in character and miscellaneous structures not classified in any specific occupancy in this code, including, but not limited to, agricultural buildings, aircraft hangars (accessory to a one- or two-family residence), barns, carports, grain silos (accessory to a residential occupancy), greenhouses, livestock shelters, private garages, sheds, and stables.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1).

HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshal, LR 41:2380 (November 2015), amended by the Department of Public Safety and Corrections, Office of the State Fire Marshal, Uniform Construction Code Council, LR 44:75 (January 2018), repromulgated LR 45:912 (July 2019), amended LR 45:1786 (December 2019), LR 48:2578 (October 2022, LR 49:1141 (June 2023), effective August 1, 2023, repromulgated LR 49:1448 (August 2023), LR 50:398 (March 2024), LR 50:403 (March 2024).

§105. *International Existing Building Code* (Formerly LAC 55:VI.301.A.2)

A. *International Existing Building Code (IEBC),* 2021 Edition, not including Chapter 1, Administration, and the standards referenced in that code for regulation of construction within this state.

Repeal	Section 502.6, Enhanced Classroom Acoustics
Repeal	Section 503.16, Enhanced Classroom Acoustics
Repeal	Section 506.6, Enhanced Classroom Acoustics
Repeal	Section 903.4 Enhanced Classroom Acoustics
Repeal	Section 1011.4 Enhanced Classroom Acoustics
Repeal	Section 1101.4 Enhanced Classroom Acoustics

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1).

HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code

Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshal, LR 41: 2383 (November 2015), amended by the Department of Public Safety and Corrections, Office of the State Fire Marshal, Uniform Construction Code Council, LR 44:79 (January 2018), repromulgated LR 45:916 (July 2019), amended LR 48:2582 (October 2022), LR 50:404 (March 2024).

§107. *International Residential Code* (Formerly LAC 55:VI.301.A.3.a)

A.1. *International Residential Code*, 2021 Edition, not including Parts I-Administrative, and VIII-Electrical. The applicable standards referenced in that code are included for regulation of construction within this state. The enforcement of such standards shall be mandatory only with respect to new construction, reconstruction, additions to homes previously built to the *International Residential Code*, and extensive alterations. 2021 *International Residential Code*, Appendix AQ, Tiny Houses, with inspections on site and or in the manufacturing plant as required by the LSUCCC regulations. Appendix J, Existing Buildings and Structures, may be adopted and enforced only at the option of a parish, municipality, or regional planning commission.

Amend	Chapter 2, Definitions	
Adopt	Human Consumption	The use of water by humans for drinking, cooking, bathing, showering, hand washing, dishwashing, or maintaining oral hygiene.
Adopt	Accessory Dwelling Unit (ADU)	Is a structure, accessory to and incidental to that of the dwelling, and that is located on the same lot. A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation. Accessory Dwelling units shall be designed and constructed in accordance with the Louisiana State Uniform Construction Code. This shall include plan review and inspection by a currently registered LSUCCC inspector.
Adopt	Lead Free	(a). in general:
Adopt		1. not containing more than 0.2 percent lead when used with respect to solder and flux; and;
Adopt		2. not more than a weighted average of 0.25 percent lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures;
Adopt		B. calculation:
Adopt		1. the weighted average lead content of a pipe, pipe fitting, plumbing fitting, or fixture shall be calculated by using the following formula: a. for each wetted component, the percentage of lead in the component shall be multiplied by the ratio of the wetted surface area of that component to the total wetted surface area of the entire product to arrive at the weighted percentage of lead of the component. The weighted percentage of lead of each wetted component shall be added together, and the sum of these weighted percentages shall constitute the weighted average lead content of the product. The lead content of the material used to produce wetted components shall be used to determine compliance with Clause a.ii above. For lead content of materials that are provided as a range, the maximum content of the range shall be used.
Adopt	Section R302.1, Exterior Walls.	
Adopt	Exception	
Adopt	Item (1.)	(1.) On lots that are 50 feet or less in width and that contain a one or two family dwelling or townhouse that was in existence prior to October 1, 2005, the following are permitted for rebuilding: (a.) a projection 2 feet from the property line with a 1 hour minimum fire-resistance rating on the underside; (b.) a wall 3 feet or more from the property with a 0 hour minimum fire-resistance rating.
Amend	Section R303.4 Mechanical Ventilation	Where the air infiltration rate of a dwelling unit is less than 3.00 air changes per hour where tested with a blower door at a pressure of 0.2 inch w.c. (50 Pa) in accordance with Section N1102.4.1.2, the dwelling unit shall be provided with whole-house mechanical ventilation in accordance with Section M1505.
Amend	2021 IRC Section 313.1, Townhouse Automatic Sprinkler System. Per Act No. 685 of the 2010 Regular Session of the Louisiana Legislature.	The council shall not adopt or enforce any part of the International Residential Code or any other code or regulation that requires a fire protection sprinkler system in one- or two-family dwellings. Further, no municipality or parish shall adopt or enforce an ordinance or other regulation requiring a fire protection sprinkler system in one- or two-family dwellings.
Amend	Exception	
	Item (1.)	(1.) If an owner voluntarily chooses to install an automatic residential fire sprinkler system, it shall be installed per Section R313.1.
Amend	2021 IRC Section 313.2, One- and Two-Family Dwellings Automatic Fire Systems. Per Act No. 685 of the 2010 Regular Session of the Louisiana Legislature.	The council shall not adopt or enforce any part of the International Residential Code or any other code or regulation that requires a fire protection sprinkler system in one- or two-family dwellings. Further, no municipality or parish shall adopt or enforce an ordinance or other regulation requiring a fire protection sprinkler system in one- or two-family dwellings.
Amend	Exception	
	Item (1.)	(1.) If an owner voluntarily chooses to install an automatic residential fire sprinkler system, it shall be installed per Section R313.2.1, Design and Installation.
Amend	Section R315.3 Location	

Adopt	Exception	
Adopt		When a Fuel Fired Standby generator(s) or Transfer Switch (Automatic or Manual) is installed, it shall be located outside the dwelling, it shall be installed per the manufacturer's installation instructions and the additional following requirements shall be as follows:
Adopt	Item 1	A Carbon Monoxide Alarm shall be permanently installed in each sleeping area inside the dwelling and an additional Carbon Monoxide Alarm shall be permanently installed outside of each separate sleeping area in the immediate vicinity of the bedroom, as approved by the building official. The single detector shall be located in a hallway or room adjacent of the bedrooms.
Adopt	Item 2	The Carbon Monoxide Alarm(s) shall be permanently installed, as determined by the owner, as either stand alone or interconnected
Adopt	Item 3	The Carbon Monoxide Alarm(s) shall receive their power from either a battery and or a building wire circuit.
Amend	Section R317.1	
Amend	Item (8)	
	Exception	
	Item (1)	Sawn lumber used in buildings located in a geographical region where experience has demonstrated that climatic conditions preclude the need to use naturally durable or preservative-treated wood where the structure is exposed to weather. "The committee felt the State of Louisiana did not have such a geographical region to preclude and the "experienced" was not well defined.
Amend	Section R322.1, General	Buildings and structures constructed in whole or in part in flood hazard areas, including A or V Zones and Coastal A Zones, as established in Table R301.2, and substantial improvement and repair of substantial damage of buildings and structures in flood hazard areas, shall be designed and constructed in accordance with the provisions contained in this section. Buildings and structures that are located in more than one flood hazard area shall comply with the provisions associated with the most restrictive flood hazard area. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24-14. The local jurisdictions, utilizing flood plain managers, shall have the authority to adopt higher freeboard amounts as needed (CRS, etc.) but shall not have the authority to adopt freeboard amounts less than those required in ASCE-24-14
Amend	Section R506.2.3	A minimum 6 mil (0.006 inch) vapor retarder conforming to ASTM E1745 Class A requirements with joints lapped not less than 6 inches (152 mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.
Amend	Table R602.3(1)	

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER[a, b, c]	SPACING OF FASTENERS	
			Edges[h] (inches)	Intermediate supports[c, e] (inches)
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing [see Table R 602.3(3) for wood structural panel exterior wall sheathing to wall framing]				
31	3/8″ – 1/2″	6d common or deformed (2″ × 0.113″ × 0.266″ head); or 2 3/8″ × 0.113″ × 0.266″ head nail (subfloor, wall)[i]	6	6f
		8d common (2 1/2″ × 0.131″) nail (roof); (Only allowed in areas where wind design is not required): or RSRS-01 (2 3/8″ × 0.113″) nail (roof) [b](Option for all geographical locations, required in areas where wind design is required)	6	6f
32	19/32″ – 3/4″	8d common (2-2 1/2″ × 0.131″) nail (subfloor,wall)	6	12
		8d common (2 1/2″ × 0.131″) nail (roof); (Only allowed in areas where wind design is not required): or RSRS-01; (2 3/8″ × 0.113″) nail (roof)[b](Option for all geographical locations, required in areas where wind design is required)	6	6f
		Deformed 2 3/8″ × 0.113″ × 0.266″ head (wall or subfloor)	6	12

Amend	Section 602.10 ,Wall Bracing	Where a building, or portion thereof, does not comply with the bracing requirements of this section, those portions shall be designed and constructed in accordance with Section 302.1. In Climate Zone 2A, one and two family dwellings shall be continuously sheathed with a minimum 7/16" wood structural panels (Table R602.10.4 CS-WSP), or it's structural equivalent as per an ICC-ESR and approved by the local building official.
Amend	Section R 1006.1, Exterior Air.	Factory-built or masonry fireplaces covered in this chapter shall be equipped with an exterior air supply to assure proper fuel combustion

Amend	Section 1101.4 Above Codes Programs	The code official serving as the authority having jurisdiction for building codes, shall be permitted to deem a national or state energy-efficiency program to exceed the energy efficiency required by this code. Buildings approved in writing by such an energy-efficiency program shall be considered to be in compliance with this code. The requirements identified in Table N1105.2, as applicable, shall be met and the building thermal envelope is greater than or equal to levels of efficiency and solar heat gain coefficients (SHGC) in Tables 402.1.1 and 402.1.3 of the 2009 International Energy Conservation Code.
Adopt	Section 1101.4.1 National Green Building Standard	Buildings complying with ICC 700-2020 National Green Building Standard and achieving an equivalent energy performance as demonstrated by a third-party certification organization shall be deemed to exceed the energy efficiency required by this code.
Adopt	Section 1101.4.2 Energy Star Certification	Buildings receiving Energy Star Certification shall be deemed to exceed the energy efficiency required by this code.
Repeal	Section 1101.5 Information on Construction Documents	
Amend	Section N1101.7 Climate Zones	Climate zones from Figure N1101.7 or Table N1101.7 shall be used for determining the applicable requirements in Sections N1101 through N1113. Locations not indicated in Table N1101.7 shall be assigned a climate zone in accordance with Section N1101.7.2. However, for energy purposes only, all of Louisiana shall be a climate zone 2A. East and West Carroll parishes shall be assigned a warm humid climate zone.
Adopt	Section N1101.9.1, Louisiana Insulation Certificate requirement.	A State of Louisiana Insulation Certificate shall be permanently posted in a utility area.
Adopt	Section N1101.9.2, Louisiana Insulation Certificate Template.	

State of Louisiana Insulation Certificate

(Permanently attach this certificate in a utility area near the Energy Efficiency Certificate)

Date Installed _____

Permit Number _____

Area Insulated	Total R-value		Installed Thickness (3.5, 5.5, etc.)	Spray Foam Density (lbs./ft.^{3})	Ignition Barrier Provided (Y/N)	Thermal Barrier (Y/N)
Attic roofline (under sheathing)		at	inches			
Attic floor (above ceilings)		at	inches			
Cathedral ceiling		at	inches			
Exterior Walls		at	inches			
Knee walls		at	inches			
Band joist (between levels)		at	inches			
Under first floor (in crawl space)		at	inches			
Basement/crawl space walls		at	inches			

Jobsite Address	
General Contractor License No.	
Insulation Contractor (firm)	
Installer/Applicator Name	
Product Manufacturer(s)	
Product Name(s) & batch no.	

Supplemental Packet Contents:	Uploaded to permitting office (X)	Copy to General Contractor (X)	Copy to Homeowner (X or No Owner)
Insulation Certificate (copy)			
Insulation MSDS or Finished Foam Safety Data Sheets (SDS)			
Product Technical Data Sheets			
Spray Foam Applicator's Training Certificate (from manufacturer or SPFA)			
Performance Testing Report (blower door) with name of 3rd party provider			

Amend	Section N1101.13 Application	Residential buildings shall comply with Section N1101.13.1, N1101.13.2, N1101.13.3 or N1101.13.4.
Repeal	Section N1101.13.5	
Amend	Table N1102.1.2	

Table N1102.1.2 (R402.1.2)
Maximum Assembly *U*-Factors[a] and Fenestration Requirements

Climate Zone	Fenestration *U*-Factor[F]	Skylight *U*-Factor	Glazed Fenestration SHGC[d,e]	Ceiling *U*-Factor	Frame Wall *U*-Factor	Mass Wall *U*-Factor[b]	Floor *U*-Factor	Basement Wall *U*-Factor	Crawl Space Wall *U*-Factor
0	0.50	0.75	0.25	0.035	0.084	0.197	0.064	0.360	0.477
1	0.50	0.75	0.25	0.035	0.084	0.197	0.064	0.360	0.477
2	0.40	0.65	0.25	0.030	0.084	0.165	0.064	0.360	0.477
3	0.30	0.55	0.25	0.030	0.060	0.098	0.047	0.091[c]	0.136
4 except Marine	0.30	0.55	0.40	0.024	0.045	0.098	0.047	0.059	0.065
5 and Marine 4	0.30	0.55	NR	0.024	0.045	0.082	0.033	0.050	0.055
6	0.30	0.55	NR	0.024	0.045	0.060	0.033	0.050	0.055
7 and 8	0.30	0.55	NR	0.024	0.045	0.057	0.028	0.050	0.055

For SI: 1 foot = 304.8 mm.

a. Nonfenestration U-factors shall be obtained from measurement, calculation or an approved source.

b. Mass walls shall be in accordance with Section R402.2.5. Where more than half the insulation is on the interior, the mass wall U-factors shall not exceed 0.17 in Climate Zones 0 and 1, 0.14 in Climate Zone 2, 0.12 in Climate Zone 3, 0.087 in Climate Zone 4 except Marine, 0.065 in Climate Zone 5 and Marine 4, and 0.057 in Climate Zones 6 through 8.

c. In Warm Humid locations as defined by Figure R301.1 and Table R301.1, the basement wall U-factor shall not exceed 0.360.

d. The SHGC column applies to all glazed fenestration.

Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.

e. There are no SHGC requirements in the Marine Zone.

f. A maximum U-factor of 0.32 shall apply in Marine Climate Zone 4 and Climate Zones 5 through 8 to vertical fenestration products in-stalled in buildings located either:

1. Above 4,000 feet in elevation above sea level, or
2. In windborne debris regions where protection of openings is required by Section R301.2.1.2.

Amend	Table 1102.1.3	

Table N1102.1.3 (R402.1.3)
Insulation Minimum *R*-Values and Fenestration Requirements By Component[a]

Climate Zone	Fenestration *U*-Factor[b, I]	Skylight[b] *U*-Factor	Glazed Fenestration SHGC[b, e]	Ceiling *R*-Value	Wood Frame Wall *R*-Value[g]	Mass Wall *R*-Value[h]	Floor *R*-Value	Basement[c,G] Wall *R*-Value	Slab[d] *R*-Value & Depth	Crawl Space[c,G] Wall *R*-Value
0	NR	0.75	0.25	30	13 or 0 & 10ci	3/4	13	0	0	0
1	NR	0.75	0.25	30	13 or 0 & 10ci	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13 or 0 & 10ci	4/6	13	0	0	0
3	0.30	0.55	0.25	38	13 or 0 & 10ci	8/13	19	5ci or 13[f]	0	5ci or 13[f]
4 except Marine	0.30	0.55	0.40	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	8/13	19	10ci or 13	10ci, 4 ft	10ci or 13
5 and Marine 4	0.30	0.55	0.40	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	13/17	30	15ci or 19 or 13 & 5ci	10ci, 4 ft	15ci or 19 or 13 & 5ci
6	0.30	0.55	NR	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	15/20	30	15ci or 19 or 13 & 5ci	10ci, 4 ft	15ci or 19 or 13 & 5ci
7 and 8	0.30	0.55	NR	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	19/21	38	15ci or 19 or 13 & 5ci	10ci, 4 ft	15ci or 1 9 or 13& 5ci

For SI: 1 foot = 304.8 mm.
NR = Not Required.
ci = continuous insulation.

a. *R*-values are minimums. *U*-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed *R*-value of the insulation shall be not less than the *R*-value specified in the table.
b. The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.
c. "5ci or 13" means R-5 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "10ci or 13" means R-10 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "15ci or 19 or 13 + 5ci" means R-15 continuous insulation (ci) on the interior or exterior surface of the wall; or R-19 cavity insulation on the interior side of the wall; or R-13 cavity insulation on the interior of the wall in addition to R-5 continuous insulation on the interior or exterior surface of the wall.
d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation *R*-value for slabs. as indicated in the table. The slab-edge insulation for heated slabs shall not be required to extend below the slab.
e. There are no SHGC requirements in the Marine Zone.
f. Basement wall insulation shall not be required in Warm Humid locations as defined by Figure N1101.7 and Table N1101.7.
g. The first value is cavity insulation; the second value is continuous insulation. Therefore, as an example, "13 + 5" means R-13 cavity insulation plus R-5 continuous insulation.
h. Mass walls shall be in accordance with Section N1102.2.5. The second *R*-value applies where more than half of the insulation is on the interior of the mass wall.
i. A maximum U-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:
1. Above 4,000 feet in elevation**,** or
2. In windborne debris regions where protection of openings is required by Section R301.2.1.2.

Amend	Section N1102.2.1, Ceilings with attics.	
Adopt	Exception	
	Item (1.)	(1.) When the thermal covering at the roof line creates an unvented attic: (a.) Proper sizing or modification of the HVAC system to the current code is required. (b.) Any insulation between the sealed, conditioned attic space and the living space must be removed.
Adopt	Item (2.)	(2.)(a) The space under appliances located in a sealed, conditioned attic may remain in place if sealed from the attic space, it is less than 10% of the total conditioned attic floor, and the appliances are approved for use in a sealed attic. (b.) There shall be no outside attic ventilation and all openings must be blocked with rigid material and are sealed, in accordance with the ICC IRC Chapter 8 "Roof-Ceiling Construction
Amend	Section N1102.2.3 Eave Baffle.	For air-permeable insulation in vented attics, a baffle shall be installed adjacent to soffit and eave vents. Baffles shall maintain an opening equal ~~to~~ or greater than the size of the vent. The baffle shall extend over the top of the attic insulation. The baffle shall be permitted to be any solid material.
Amend	Section N1102.2.7, Floors.	
Repeal		Subfloor insulation shall provide or be installed in permanent contact with a rigid air barrier material. If the building is cooled with air conditioning subfloors in any vented crawl space shall be insulated with an airtight, class II vapor retarder insulation system (perm < 1.0).
Adopt	Exception	
Adopt	Item (1.)	(1.) Plastic Spray Foam cannot be applied to finish flooring where no subfloor exists.
Repeal	Section N1102.4.1.1 Installation.	
Amend	Section N1102.4.1.2 Testing.	The building or dwelling unit shall be tested for air leakage. The maximum air leakage rate for any building or dwelling unit under any compliance path shall not exceed ~~5.0~~ 7.0 air changes per hour or 0.28 cubic feet per minute (CFM) per square foot [0.0079 m3/(s × m2)] of dwelling unit enclosure area. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380, ASTM E779 or ASTM E1827 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Effective July 1, 2024, blower door testing shall be performed by individuals certified to perform blower door tests by a nationally recognized organization that trains and provides certification exams for the proper procedures to perform such tests. The responsible BCEO shall accept written blower door test reports from these certified individuals to verify the minimum requirements of Section N1102.4.1.2. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope have been sealed. Where multiple dwelling units or other occupiable conditioned spaces are contained within one building thermal envelope, each unit shall be considered an individual testing unit, and the building air leakage shall be the weighted average of all testing unit results, weighted by each testing unit's enclosure area. Units shall be tested separately with an unguarded blower door test as follows:
Adopt	Item (1.)	(1).Where buildings have fewer than eight testing units, each testing unit shall be tested.
Adopt	Item (2.)	(2) For buildings with eight or more testing units, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a ground floor unit and a unit with the largest testing unit enclosure area. For each tested unit that exceeds the maximum air leakage rate, an additional two units shall be tested, including a mixture of testing unit types and location**s.**
Amend	Exception	When testing individual dwelling units, an air leakage rate not exceeding 0.30 cubic feet per minute per square foot [0.008 m3/(s × m2)] of the dwelling unit enclosure area, tested in accordance with ANSI/RESNET/ICC 380, ASTM E779 or ASTM E1827 and reported at a pressure of 0.2 inch water gauge (50 Pa), shall be permitted in all climate zones for: 1. Attached single- and multiple-family building dwelling units. 2. Buildings or dwelling units that are 1,500 square feet (139.4 m2) or smaller. Effective July 1, 2024, when a blower door test is performed, and the air infiltration rate of a dwelling unit is less than 3 air changes per hour when tested in accordance with Section N1102.4.1.2, the dwelling unit shall be provided with whole- house mechanical ventilation in accordance with Section M1507.3
Amend	Section N1102.4.1.3 Leakage Rate.	Where complying with Section N1101.13.1, the building or dwelling unit shall have an air leakage rate not exceeding 7.0air changes per hour in Climate Zones 0, 1 and 2, and 7.0 air changes per hour in Climate Zones 3 through 8, when tested in accordance with Section N1102.4.1.2.

Amend	Section N1102.4.4 Rooms containing fuel-burning appliances.	In Climate Zones 2 through 8, where open combustion air ducts provide combustion air to open combustion fuel-burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room that is isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table N1102.1.3, where the walls, floors and ceilings shall meet a minimum of the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section N1103. The combustion air duct shall be insulated where it passes through conditioned space to an R-value of not less than R-8.
Repeal	Section N1102.4.6 Electrical and communication outlet boxes (air-sealed boxes)	
Amend	Section N1103.3.1 Ducts located outside conditioned space.	Supply and return ducts located outside conditioned space shall be insulated to an R-value of not less than R-8.
Amend	Section 1103.3.2 Ducts located in conditioned space.	
Amend	Item 3.3	A minimum R-10 insulation installed in the cavity width separating the duct from unconditioned space
Amend	Section N1103.3.3 Ducts buried within ceiling insulation.	In Climate zone 2A Supply and Return ductwork shall not be buried in insulation
Amend	Section N1103.3.5 Duct Testing.	Duct leakage testing shall be performed by individuals certified to perform duct leakage tests by a nationally recognized organization that trains and provides certification exams for the proper procedures to perform such tests. The responsible BCEO shall accept written duct leakage test reports from these certified individuals to verify the minimum sealing requirements of Section N1103.3.4. Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 or ASTM E1554 to determine air leakage by one of the following methods:
Amend	Exceptions	
Adopt	Item (1.)	(1.) A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
Adopt	Item (2.)	(2.) HVAC contractors, who are not certified to perform duct leakage tests, may perform the test with the responsible BCEO visually verifying test procedures and results on site.
Amend	Section N1103.3.6 Duct Leakage	
Amend	Item (1.)	(1.) Rough-in test: The total leakage shall be less than or equal to 6.0 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m2) of conditioned floor area where the air handler is installed at the time of the test. Where the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 4.0 cubic feet per minute (85 L/min) per 100 square feet (9.29 m2) of conditioned floor area.
Amend	Item (2.)	(2.) Post construction test: Total leakage shall be less than or equal to 8.0 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m2) of conditioned floor area or leakage to outside shall be less than or equal to 4 cfm per 100 sq feet of conditioned floor area.
Repeal	Item (3.)	
Amend	Section N1103.3.7 Building Cavities.	Building framing cavities directly adjacent to and within the building thermal envelope shall not be used as ducts or plenums.
Amend	Section N1103.6 Mechanical Ventilation.	The buildings complying with Section N1102.4.1 providing mechanical ventilation shall comply with the requirements of Section M1505 or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.
Amend	Section N1104.1 Lighting Equipment.	All permanently installed lighting fixtures, excluding kitchen appliance lighting fixtures, shall contain only high-efficacy lighting sources not less than 90 percent of the permanently installed lighting fixture.
Repeal	Section N1104.1.1 Exterior Lighting.	
Repeal	Section N1104.2 Interior Lighting Controls.	
Repeal	Section N1104.3 Exterior Lighting Controls.	
Amend	Section N1106.2ERI Compliance.	
Repeal	Item (1.)	(1.) The requirements of the sections indicated within Table N1106.2
Amend	Section N1106.3.2 On-site renewables are included.	Where on-site renewable energy is included for compliance using the ERI analysis of Section N1106.4, the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.1 or R402.1.3 of the 2009 International Energy Conservation Code.
Amend	Section N1106.4 Energy Rating Index.	The Energy Rating Index (ERI) shall be determined in accordance with RESNET/ICC 301 Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design.
Amend	Section N1106.5 HERS-based compliance.	Compliance based on an HERS analysis requires that the rated proposed design and confirmed built dwelling be shown to have an HERS less than or equal to the value of 58.

Adopt	Exceptions	
Adopt	Item (1.)	(1.)HERS calculation method shall be an equivalent to the ERI analysis in calculating compliance
Adopt	Item (2.)	(2.)Other alternate means of home energy rating as approved by the building official
Amend	Section M1307.3.1, Protection from Impact.	Appliances shall not be installed in a location subject to automobile or truck damage except where protected by approved barriers.
Amend	Section M1402.1, General.	Oil-fired central furnaces shall conform to ANSI/UL 727. Electric furnaces shall conform to UL 1995 or UL/CSA 60335-2-40.
Amend	Section M1403.1, Heat Pumps.	Electric heat pumps shall be listed and labeled in accordance with UL 1995 or UL/CSA 60335-2-40.
Amend	Section M1412.1, Approval of Equipment.	Absorption systems shall be installed in accordance with the manufacturer's instructions. Absorption equipment shall comply with UL 1995 or UL/CSA 60335-2-40.
Amend	Section M1413.1, General.	Evaporative cooling equipment and appliances shall comply with UL 1995 or UL/CSA 60335-2-40 and shall be installed per items 1-5:
Amend	Section M1505.4.1, System Design.	The whole-house ventilation system shall consist of a combination of supply and exhaust fans, and associated ducts and controls. Local exhaust and supply fans are permitted to serve as such a system. Outdoor air ducts connected to the return side of an air handler shall be considered to provide supply ventilation.
Amend	Section M1505.4.2, System Controls.	The whole-house mechanical ventilation system shall be provided with controls that enable manual override and a method of air-flow adjustment.
Repeal	Section M1505.4.3, Mechanical Ventilation Rate.	
Amend	Section M1507.4, Minimum Required Local Exhaust.	Local exhaust systems shall be designed to have the capacity to exhaust the minimum air flow rate as follows:
Amend	Item (1.)	(1.) Kitchen: 100 cfm intermittent or 25 cfm continuous, a balanced ventilation system is required for continuous exhaust.
Amend	Item (2.)	(2.) Bathrooms: exhaust capacity of 50 cfm intermittent or 20 cfm continuous, a balanced ventilation system is required for continuous exhaust.
Amend	Section M2006.1, General.	Pool and spa heaters shall be installed in accordance with the manufacturer's installation instructions. Oil-fired pool heaters shall comply with UL 726. Electric pool and spa heaters shall comply with UL 1261. Pool and spa heat pump water heaters shall comply with UL 1995, UL/CSA 60335-2-40 or CSA C22.2 No. 236.
Amend	Section P2502.2	
Adopt	Exception	
Adopt	Repairs to Drainage System via Re-Route.	In the case where it is determined that there is a broken underground drain line including, but not limited to, broken drain lines under the slab of a building, and a drain line re-route is performed, the existing broken underground drain line shall be and sealed watertight and gastight using approved plumbing materials and joining/jointing methods, e.g., properly install an approved cap, plug, or cleanout on the cut or disconnected pipe.
Adopt	Section 2503.1, Drainage and Vent Testing.	An air test shall be made by forcing air into the system until there is a uniform gauge pressure of 5 psi (34.5 kPa) or sufficient to balance a 10-inch (254 mm) column of mercury. This pressure shall be held for a test period of not less than 15 minutes. Any adjustments to the test pressure required because of changes in ambient temperatures or the seating of gaskets shall be made prior to the beginning of the test period.
Amend	Section P2503.4, Building Sewer Testing.	The testing of building and public sewer systems shall be performed by the installer using a 10' water head.
Amend	Section P2503.6, Testing of Shower Receptacles.	Testing of shower receptacles shall be the responsibility of the installer.
Amend	Section P2603.5, Freezing.	In localities having a winter design temperature of 32°F (0°C) or lower as shown in Table R301.2(1) of this code, a water pipe and/or sanitary traps shall not be installed outside of a building, in exterior walls, in *attics* or crawl spaces, or in any other place subjected to freezing temperature unless adequate provision is made to protect it from freezing by insulation or heat or both. Water service pipe shall be installed not less than 12 inches (305 mm) deep and not less than 6 inches (152 mm) below the frost line.
Amend	Section P2706.1, General.	For other than hub drains that receive only clear-water waste and standpipes, a removable strainer or basket shall cover the waste outlet of waste receptors. Waste receptors shall not be installed in concealed spaces. Waste receptors shall not be installed in plenums or interstitial spaces above ceilings and below floors. Waste receptors shall be accessible.
Amend	Section P2725, Nonliquid Saturated Treatment Systems.	
Amend	Section P2725.1	
Adopt	Exception	
Adopt	Item (1.)	(1). Compost toilets are prohibited.
Amend	P2801.6.1	The drain pan shall be a minimum of 2-inches (2") (50.8 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 1-inch (25.4 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4.

Amend	Section P2804.6.1, Requirements for Discharge Pipe.	(5.) Discharge to the floor, a waste receptor, mop sinks or to the outdoors.
Amend	Section P2708.2, Shower Drain.	Any portion of the drainage system installed underground or below a basement or cellar shall not be less than 2-inch diameter.
Repeal	Section P2903.10, Hose bibb.	
Adopt	Section P2902.5.6, Connections to swimming pools.	The potable water supply to swimming pools shall be protected against backflow by an air gap or reduced pressure principal backflow prevention assembly.
Adopt	Section P2902.5.7, Connections to animal watering troughs, ornamental fountains, or other similar equipment.	The potable water supply to animal watering troughs, ornamental fountains, or other similar fixtures shall be protected against backflow by an air gap.
Amend	Section P2905	The developed length of hot or tempered water piping, from the source of hot water to the fixtures that require hot or tempered water, shall not exceed 100 feet (15 240 mm). Recirculating system piping and heat-traced piping shall be considered to be sources of hot or tempered water.
Repeal	Section P2905.1, Heated Water circulation systems and heat trace systems.	
Repeal	Section P2905.2	
Amend	Section P2906.2.1, Lead content of water supply pipe and fittings used for human consumption.	Water Piping Quality. All potable water pipes, fittings, valves, and fixtures used to provide water for human consumption shall be lead free and shall be evaluated and listed as conforming with NSF/ANSI 372. Any solder or flux which is used in the installation or repair of any public water system or any plumbing in a residential or nonresidential facility providing water for human consumption shall be lead free. i. Exception: The lead free requirement above shall not apply to: (a.). leaded joints necessary for the repair of existing cast iron pipes; (b.). fire hydrants, pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption; or (c). toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.
Amend	Section P2906.6, Fittings.	Pipe fittings shall be approved for installation with the piping material installed and shall comply with the applicable standards listed in Table P2905.6. All pipe fittings used in water supply systems shall also comply with NSF 61. All copper, brass and stainless steel joints below a building slab shall be brazed and/or welded in accordance with the requirements of this code, as appropriate. With the exception of heat fused polypropylene, all other joints and fittings for plastic pipe below a building slab are prohibited.
Amend	Table P2906.6	

Material	Standard
Acrylonitrile butadiene styrene (ABS)	ASTM D2468
plastic	
Brass	ASTM F1974
Cast-iron	ASME BI6.4; ASME B16.12
Chlorinated polyvinyl chloride (CPVC)	ASSE 1061; ASTM D2846;
plastic	ASTM F 437; ASTM F 438;
	ASTM F 439; CSA B137.6
Copper or copper alloy	ASSE 1061;ASMEBI6.15;
	ASME B 16.18; ASME
	B 16.22; AS ME B 16.26
Cross-linked	ASTM F 1986
polyethylene/aluminumlhigh-density	
polyethylene (PEX-AL-HDPE)	
Fittings for cross-linked polyethylene	ASSE 1061; ASTM F 877;
(PEX) plastic tubing	ASTM F 1807; ASTM F
	1960;
	ASTM F 2080; ASTM F
	2098; ASTM F 2 I 59; ASTM
	F 2434; ASTM F 2735; CSA
	B 137.5
Gray iron and ductile iron	AWWACIIO;AWWACI53
Malleable iron	ASMEBI6.3
Insert fittings for	ASTM F 1974; ASTM F
Polyethylene/aluminum/polyethylene	1281; ASTM F 1282; CSA
(pE-AL-PE) and cross-linked	BI37.9;
polyethylene/aluminum/polyethylene	CSA B137.10
(PEX-AL-PEX)	
Polyethylene (PE) plastic	CSA B137.1
Fittings for polyethylene of raised	ASTM F 1807; ASTM F2098;

temperature (PE-RT) plastic tubing		ASTM F 2159; ASTM F 2735
Polypropylene CPP) plastic pipe or tubing		ASTM F 2389; CSA B 137.11
Polyvinyl chloride (PYC) plastic		ASTM D 2464; ASTM D
		2466; ASTM D 2467; CSA
		B 137.2;
		CSA B137.3
Stainless steel (Type 304/304L) pipe		ASTM A 312; ASTM A 778
Stainless steel (Type 316/316L) pipe		ASTM A 312; ASTM A 778
Steel		ASME B 16.9; ASME BI6.11;
		ASMEBI6.28
Adopt	Section P2914, Separation of Water Service from Contamination.	
Adopt	Section P2914.1, Potable Water (Pressure) Lines Near Soil Absorption Trenches, Sand Filter Beds, Oxidation Ponds, and any Effluent Reduction Option (Effluent Reduction Fields, Rock Plant Filters, Spray Irrigation Systems, Overland Flow Systems, Mound Systems, or Subsurface Drip Disposal Systems).	Underground potable water (pressure) lines shall not be located within 25 feet (7.6 m) of any soil absorption trenches, sand filter beds, oxidation ponds, or any effluent reduction option including, but not limited to effluent reduction fields, rock plant filters, spray irrigation systems (from the edge of the spray and its drainage), overland flow systems (from the discharge point and field of flow), mound systems, or subsurface drip disposal systems which have been installed for either the disposal of septic tank effluent or mechanical treatment plant effluent.
Adopt	Section P2914.2, Potable Water (Pressure) Lines Near Septic Tanks, Mechanical Sewage Treatment Plants, and Pump Stations.	Underground potable water (pressure) lines shall not be located within 10 feet (3.0 m) of any septic tank, mechanical sewage treatment plant, or sewage pump station.
Adopt	Section P2914.3, Potable Water (Pressure) Lines Near Seepage Pit, Cesspool, or Sanitary Pit Privy.	Underground potable water (pressure) lines shall not be located within 50 feet (15.2m) of any seepage pit, cesspool, or sanitary pit privy.
Adopt	Section P2914.4, Reclaimed Water Lines.	Reclaimed water lines shall be considered and treated as though they are sewerage lines and shall be installed in accord with the spacing requirements of Section 2906.4.1 for the protection of potable water lines.
Amend	Chapter 30, Sanitary Drainage.	
Amend	Section P3005.2.2, Building sewers.	Building sewers smaller than 8 inches (203 mm) shall have cleanouts located at intervals of not more than 100 feet (30 480 mm). Building sewers 8 inches (203 mm) and larger shall have a manhole located not more than 80 feet from the junction of the building drain and building sewer and at intervals of not more than 400 feet (122 m). The interval length shall be measured from the cleanout or manhole opening, along the developed length of the piping to the next drainage fitting providing access for cleaning, a manhole or the end of the building sewer.
Adopt	Section P3005.2.2.1, Minimum Size Building Sewer.	No building sewer shall be less than 4 inches in size with the exception of force lines.
Adopt	Exception	
Adopt		A 2 inch sink or washing machine drain shall be allowed to continue, greater than 30 inches of developed length, from the edge of the foundation continuous to the 4 inch building sewer if it meets ALL of the following conditions:
Adopt	Item 1.	The allowable fall per inch over the entire length of pipe shall be maintained.
Adopt	Item 2.	No solid waste shall be allowed within the drain system.
Adopt	Item 3.	A disposal shall not be allowed within the drain system.
Adopt	Section P3005.6, Underground Drainage Piping.	Any portion of the drainage system installed underground or below a basement or cellar shall not be less than 2-inch diameter. In addition, any portion of the drainage system installed underground which is located upstream from a grease trap or grease interceptor as well as the underground horizontal branch receiving the discharge there from shall not be less than 3-inch diameter.
Amend	Section P3104.1, Connection.	Individual branch and circuit vents shall connect to a vent stack, stack vent or extend to the open air.
Repeal	Exception	Individual, branch and circuit vents shall be permitted to terminate at an air admittance valve in accordance with Section P3114.
Repeal	Item (1.)	(1.) Individual, branch and circuit vents shall be permitted to terminate at an air admittance valve in accordance with Section P3114.
Repeal	Section P3114, Air Admittance Valves.	

Repeal	Chapter 44-ANCE.	Association of the Electric Sector Av. Lázaro Cardenas No. 869 Col. Nueva Industrial Vallejo C.P. 07700 México D.F.	
		NMX-J-521/2-40-ANCE—2014/ CAN/CSA-22.2 No. 60335-2-40—12/ UL 60335-2-40	Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Heat Pumps, Air-Conditioners and Dehumidifiers M1403.1, M1412.1, M1413.1
Amend	Chapter 44-CSA.	CSA Group 8501 East Pleasant Valley Road Cleveland, OH 44131-5516	
		CSA/ C22.2 No. 60335-2-40-2019	Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers M1402.1, M1403.1, M1412.1, M1413.1, M2006.1
Amend	Chapter 44-UL.	UL LLC 333 Pfingsten Road Northbrook, IL 60062	
		UL 60335-2-40-2019	Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers M1402.1, M1403.1, M1412.1, M1413.1, M2006.1

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HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshall, LR 41:2383 (November 2015), amended LR 42:1672 (October 2016), amended by the Department of Public Safety and Corrections, Office of the State Fire Marshall, Uniform Construction Code Council, LR 44:79 (January 2018), amended LR 44:2218 (December 2018), repromulgated LR 45:916 (July 2019), amended LR 45:1789 (December 2019), amended LR 48:2582 (October 2022), LR 49:1142 (June 2023), effective August 1, 2023, repromulgated LR 49:1448 (August 2023), LR 50:400 (March 2024), LR 50:404 (March 2024)

§109. *International Mechanical Code* (Formerly LAC 55:VI.301.A.4)

A. *International Mechanical Code (IMC),* 2021 Edition, and the standards referenced in that code for regulation of construction within this state.

Amend	Table 1103.1, Refrigerant Classification, Amount and OEL.	
Amend	Footnote:	
Amend	Item (C.)	The ASHRAE Standard 34 flammability classification for this refrigerant is A2L.
Amend	Section 1104.3.1, Air conditioning for human comfort.	High probability systems used for human comfort shall use Group A1 or A2L refrigerant. In other than industrial occupancies where the quantity in a single independent circuit does not exceed the amount in Table 1103.1, Group B1, B2 and B3 refrigerants shall not be used in high-probability systems for air conditioning for human comfort.
Amend	Section 1107.5, Pipe Fittings.	Refrigerant pipe fittings shall be approved for installation with the piping materials to be installed, and shall conform to one of more of the standards listed in Table 1107.5 or shall be approved for installation with the piping materials to be installed, and listed and labeled as complying with UL 109 . Additionally, all fittings listed and labeled as complying with UL 109 shall be required to be based on the pipe or tube size as specified in the "Gas fittings, all types" column of UL 109, Table 7.1 "Pull Strength Test". Refrigeration fittings not having male or female parts, shall be affixed according to allow for all performance testing specified in UL 109.
Amend	Section 1108.4, Aluminum tube.	
Adopt	Exception	Joints for Group A2L refrigerant piping shall be brazed, approved flare, or welded joints conforming to Section 1108.3.
Amend	Section 1108.5, Brass (copper alloy) pipe.	
Adopt	Exception	Joints for Group A2L refrigerant piping shall be brazed, threaded or welded joints conforming to Section 1108.3.
Amend	Section 1108.6, Copper pipe.	
Adopt	Exception	Joints for Group A2L refrigerant piping shall be brazed, threaded or welded joints conforming to Section 1108.3.
Amend	Section 1108.7, Copper	

	tube.	
Adopt	Exception	Joints for Group A2L refrigerant piping shall be brazed or approved flare.
Amend	Section 1108.8, Steel pipe.	
Adopt	Exception	Joints for Group A2L refrigerant piping shall be threaded or welded joints conforming to Section 1108.3.
Amend	Section 1108.9, Steel Tube.	
Adopt	Exception	Joints for Group A2L refrigerant piping shall be approved flared or welded joints conforming to Section 1108.3.
Amend	Reference Standard UL 109-97	Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service and Marine Use, 1107.5, Table 1101.2
Amend	Chapter 15- CSA.	CSA Group 8501 East Pleasant Valley Road Cleveland, OH 44131-5516 CSA/ C22.2 No. 60335-2-40-2019 — Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers 908.1, 916.1, 918.1, 918.2, 1101.2
Amend	Chapter 15- UL.	UL LLC 333 Pfingsten Road Northbrook, IL 60062 UL 60335-2-40-2019 — Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers 908.1, 916.1, 918.1, 918.2, 1101.2

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§111. *The International Plumbing Code* (Formerly LAC 55:VI.301.A.5)

A. The *International Plumbing Code*, 2021 Edition. The appendices of that code may be adopted as needed, but the specific appendix or appendices shall be referenced by name or letter designation at the time of adoption (per R.S. 40:1730.28, eff. 1/1/16).

Amend	Chapter 1	
Amend	Section [A] 101.2, Scope.	The provisions of this code shall apply to the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within this jurisdiction. The installation of fuel gas distribution piping and equipment, fuel-gas-fired water heaters and water heater venting systems shall be regulated by the *International Fuel Gas Code*. Provisions in the appendices shall not apply unless specifically adopted.
Adopt	Item (a.)	(a.) Nothing in this Part or any provision adopted pursuant to this Part shall prohibit the Department of Health from the following:
Adopt	Item (1.)	(1.) Regulating stored water temperatures through enforcement of the *Sanitary Code*;
Adopt	Item (2.)	(2.) Regulating medical gas and medical vacuum systems.
Amend	Exception	
Amend	Item (1.)	1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.
Amend	Chapter 2, Definitions.	
Adopt	*Adult Day Care Center*	Any place or facility, operated by any person for the primary purpose of providing care, supervision and guidance of 10 or more people 18 years and older, not related to the caregiver and unaccompanied by parent or guardian, on a regular basis, for a total of at least 20 hours in a continuous seven day week in a place other than the person's home. This definition would not include Applied Behavior Analyst occupancies.
Adopt	*Applied Behavior Analyst*	An expert on the science of behavior and how it is applied to problems of individual and social significance, who works with people across the lifespan, with the goal to improve the lives of individuals and those who care for them.
Adopt	*Barometric Loop*	A fabricated piping arrangement rising at least 35 feet at its topmost point above the highest fixture it supplies. It is utilized in water supply systems to protect against backsiphonage backflow.
Amend	*Building Drain*	That part of the lowest piping of a drainage system that receives the discharge from soil, waste and other drainage pipes inside and that extends 30 inches (762 mm) in developed length of pipe beyond the exterior walls of the building and conveys the drainage to the building sewer:

Repeal		Delete definition *Combined—Building Drain*—"See building drain, combined".
Amend		*sanitary*—a building drain that conveys sewage only;
Amend		*storm*—a building drain that conveys storm water or other drainage, but not sewage
Amend	*Building Sewer*	That part of the drainage system that extends from the end of the building drain and conveys the discharge to a community sewerage system, commercial treatment facility, or individual sewerage system or other point of disposal:
Repeal		Delete definition *Combined Building Sewer*—"See *Building sewer, combined*".
Amend		1. *sanitary*—a building drain that conveys sewage only;
Amend		2. *storm*—a building drain that conveys storm water or other drainage, but not sewage.
Adopt	*By-Pass*	any system of piping or other arrangement whereby the water may be diverted around any part or portion of the water supply system including, but not limited to, around an installed backflow preventer
Adopt	*Child Day Care Center*	any place or facility, operated by any person for the primary purpose of providing care, supervision and guidance of seven or more children under the age of 18, not related to the care giver and supervision and guidance of seven or more children under the age of 18, not related to the care giver and unaccompanied by parent or guardian, on a regular basis, for a total of at least 20 hours in a continuous seven-day week in a place other than the children's home. A day care center that remains open for more than 20 hours in a continuous seven-day week, and in which no individual child remains for more than 24 hours in one continuous stay shall be known as a full-time day care center. This definition would not include Applied Behavior Analyst occupancies.
Adopt	*Commercial Treatment Facility*	any treatment facility which is required by the state health officer whenever the use of an individual sewerage system is unfeasible or not authorized.
Adopt	*Community Sewerage System*	any sewerage system which serves multiple connections and consists of a collection and/or pumping system/transport system and treatment facility.
Adopt	*Containment*	a method of backflow prevention which requires a backflow prevention device or method on the water service pipe to isolate the customer from the water main.
Adopt	*Continuous Water Pressure*	a condition when a backflow preventer is continuously subjected to the upstream water supply pressure for a period of 12 hours or more.
Adopt	*Day Care Centers*	includes adult and child day care centers.
Adopt	*Degree of Hazard*	an evaluation of the potential risk to public health if the public were to be exposed to contaminated water caused by an unprotected or inadequately protected cross connection.
Adopt	*Domestic Well*	a water well used exclusively to supply the household needs of the owner/lessee and his family. Uses may include human consumption, sanitary purposes, lawn and garden watering and caring for pets.
Adopt	*Dual Check Valve*	a device having two spring loaded, independently operated check valves without tightly closing shut-off valves and test cocks; generally employed immediately downstream of the water meter.
Adopt	*Fixture Isolation*	a method of backflow prevention in which a backflow preventer is located to protect the potable water of a water supply system against a cross connection at a fixture located within the structure or premises itself.
Adopt	*Grade* (*G*)	normally, this references the location of some object in relation to either the floor or ground level elevation.
Adopt	*Gravity Grease Interceptor*	plumbing appurtenances of not less than 125 gallons capacity that are installed in the sanitary drainage system to intercept free-floating fats, oils, and grease from waste water discharge. Separation is accomplished by gravity during a retention time of not less than 30 minutes.
Adopt	*Human Consumption*	the use of water by humans for drinking, cooking, bathing, showering, hand washing, dishwashing, or maintaining oral hygiene.
Adopt	*Individual Sewerage System*	any system of piping (excluding the building drain and building sewer), and/or collection and/or transport system which serves one or more connections, and/or pumping facility, and treatment facility, all located on the property where the sewage originates; and which utilizes the individual sewerage system technology which is set forth in LAC 51:XIII.Chapter 7, Subchapter B, or a commercial treatment facility which is specifically authorized for use by the state health officer.
Repeal		Delete definition *Individual Water Supply*—a water supply that serves one or more families, and that is not an approved public water supply.
Adopt	*Lead Free*	A. in general:
Adopt		1. not containing more than 0.2 percent lead when used with respect to solder and flux; and
Adopt		2. not more than a weighted average of 0.25 percent lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures;
Adopt		B. calculation:
Adopt		1. the weighted average lead content of a pipe, pipe fitting, plumbing fitting, or fixture shall be calculated by using the following formula:
Adopt		a. for each wetted component, the percentage of lead in the component shall be multiplied by the ratio of the wetted surface area of that component to the total wetted surface area of the entire product to arrive at the weighted percentage of lead of the component. The weighted percentage of lead of each wetted component shall be added together, and the sum of these weighted percentages shall constitute the weighted average lead content of the product. The lead content of the material used to produce wetted components shall be used to determine compliance with Clause a.ii above. For lead content of materials that are provided as a range, the maximum content of the range shall be used.
Adopt	*Major Plumbing Renovation (water bottle filling station)*	A renovation to an existing school building means the replacement, repair, alteration, or upgrade of water systems or fixtures within an existing facility, which involves more than fifty percent of the fixtures in the facility, even if such renovation does not include any structural change to the facility. Such renovation shall not include repairs done as a result of damages from a natural disaster.
Adopt	*Master Meter*	a water meter serving multiple residential dwelling units or multiple commercial units. Individual units may or may not be sub-metered
Adopt	*Potable Water Supply*	a publicly owned or privately owned water supply system which purveys potable water.
Adopt	*Preschool*	any child less than five years of age
Adopt	*Private Water Supply*	a potable water supply that does not meet the criteria for a public water supply including, but not limited to a domestic well.
		Delete definition *Public Water Main*—a water supply pipe for public use controlled by public authority
Adopt	*Public Water Supply*	public water system.

Adopt	*Public Water System*	a particular type of water supply system intended to provide potable water to the public having at least 15 service connections or regularly serving an average of at least 25 individuals daily at least 60 days out of the year.
Adopt	*Putrescible Waste*	waste which is subject to spoilage, rot, or decomposition and may give rise to foul smelling, offensive odors and/or is capable of attracting or providing food for birds and potential disease vectors such as rodents and flies. It includes wastes from the preparation and consumption of food, vegetable matter, and animal offal and carcasses
Adopt	*Residential Facility*	any place, facility, or home operated by any person who receives therein four or more people who are not related to such person for supervision, care, lodging and maintenance with or without transfer of custody. This shall include, but not be limited to group homes, community homes, maternity homes, juvenile detention centers, emergency shelters, halfway homes and schools for the mentally retarded.
Note	*Sanitary Sewage*	see *sewage*
Amend	*Sewer*	a pipe or other constructed conveyance which conveys sewage, rainwater, surface water, subsurface water, or similar liquid wastes:
Amend		1. *building sewer*—see "*building sewer"*;
Amend		2. *public sewer*—a common sewer directly controlled by a public authority or utilized by the public;
Amend		3. *sanitary sewer*—a sewer that carries sewage and excludes storm, surface and ground water;
Amend		4. *storm sewer*—a sewer that conveys rainwater, surface water, subsurface water and similar liquid wastes.
Adopt	*Sewerage System*	any system of piping (excluding the building drain and building sewer) and/or collection and/or transport system and/or pumping facility and/or treatment facility, all for the purpose of collecting, transporting, pumping, treating and/or disposing of sanitary sewage.
Adopt	*Water Bottle Filling Station*	A water dispenser, accessible to all people in compliance with the federal Americans with Disabilities Act of 1990 that dispenses clean drinking water directly into a bottle or other drinking container. A water bottle filling station shall be considered a drinking fountain for purposes of the International Plumbing Code, as incorporated within the State Uniform Construction Code.
Amend	*Water Main*	a water supply pipe or system of pipes installed and maintained by a city, township, county, public utility company or other public entity, on public property, in the street or in an approved dedicated easement of public or community use. This term shall also mean the principal artery (or arteries) used for the distribution of potable water to consumers by any water supplier including, but not limited to, those public water systems which are not owned by the public and which may not be on public property.
Adopt	*Water Supplier*	a person who owns or operates a water supply system including, but not limited to, a person who owns or operates a public water system.
Amend	*Water Supply System*	the water service pipe, water distribution pipes, and the necessary connecting pipes, fittings, control valves and all appurtenances in or adjacent to the structure or premise. This term shall also mean the system of pipes or other constructed conveyances, structures and facilities through which water is obtained, treated to make it potable (if necessary) and then distributed (with or without charge) for human consumption or other use.
Repeal	*Well-Bored*	a well constructed by boring a hole in the ground with an auger and installing a casing.
Repeal	*Well-Drilled*	a well constructed by making a hole in the ground with a drilling machine of any type and installing a casing and screen.
Repeal	*Well-Driven*	a well constructed by driving a pipe in the ground. The drive pipe is usually fitted with a well point and screen.
Repeal	*Well-Dug*	a well constructed by excavating a large-diameter shaft and installing a casing.
Amend	Chapter 3, General Regulations.	
Amend	Section 301.6.	
Amend	Exception	
Adopt	Item (2)	Sumps may drain to exterior of building, storm drain or other means when approved by the authority having jurisdiction.
Amend	Section 312.1, Required Tests.	The permit holder shall make the applicable tests prescribed in Sections 312.2 through 312.10 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the plumbing work is ready for tests. The code official shall verify the test results. The equipment, material, power and labor necessary for the inspection and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests. All plumbing system piping shall be tested with either water or by air. After the plumbing fixtures have been set and their traps filled with water, the entire drainage system shall be submitted to final tests. The code official shall require the removal of any cleanouts if necessary to ascertain whether the pressure has reached all parts of the system.
Amend	Section 312.3, Drainage and Vent Test.	An air test shall be made by forcing air into the system until there is a uniform gauge pressure of 5 psi (34.5 kPa) or sufficient to balance a 10-inch (254 mm) column of mercury. This pressure shall be held for a test period of not less than 15 minutes. Any adjustments to the test pressure required because of changes in ambient temperatures or the seating of gaskets shall be made prior to the beginning of the test period.
Amend	Section 312.5, Water Supply System Test.	Upon completion of a section of or the entire water supply system, during the rough-in inspection, the system, or portion completed, shall be tested and proved tight under a hydrostatic water pressure not less than 1.5 times the working pressure of the system, but not less than 140 psi; or, for piping systems other than plastic, by an air test of not less than 50 psi (344 kPa). This pressure shall be held for not less than 15 minutes. The water utilized for tests shall be obtained from a potable source of supply. The required tests shall be performed in accordance with this section and Section 112
Amend	Section 312.10 Installation, Inspection and Testing of Backflow Prevention Assemblies, Barometric Loops and Air Gaps.	Installation, inspection and testing shall comply with Sections 312.10.1 through 312.10.3.
Amend	Section 312.10.1, Inspections.	Annual inspections shall be made of all backflow prevention assemblies, barometric loops and air gaps to determine whether they are operable, properly installed and maintained, and meet testing/code requirements. Inspections of backflow prevention devices including barometric loops and air gaps used to protect high degree of hazard cross connections shall be documented in writing and the report provided to the owner of the backflow prevention device.

Amend	Section 312.10.2, Testing.	Reduced pressure principle, double-check, pressure vacuum breaker, reduced pressure detector fire protection, double check detector fire protection, and spill-resistant vacuum breaker backflow preventer assemblies shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The testing procedure shall be performed in accordance with one of the following standards: ASSE 5013, ASSE 5015, ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056, CSA B64.10.1, USC's FCCC and HR's "Manual of Cross-Connection Control", or UFL's TREEO's "Backflow Prevention—Theory and Practice". Any backflow preventer which is found to be defective shall be repaired. Test gauges shall comply with ASSE 1064.
Adopt	Section 312.10.3, Owner Responsibilities.	The owner of the backflow prevention assemblies shall comply with the following:
Adopt		1. It shall be the duty of the owner of the backflow prevention assembly to see that these tests are made in a timely manner in accord with the frequency of field testing specified in 312.10.2 of this code.
Adopt		2. The owner shall notify the building official, and/or water supplier (for those devices associated with containment) in advance when the tests are to be undertaken so that the building official and/or water supplier may witness the tests if so desired.
Adopt		3. Upon completion, the owner shall provide records of such tests, repairs, overhauls, or replacements to the building official or water supplier (for those devices associated with containment). In addition, all records shall be kept by the owner of the backflow prevention device or method for at least five years and, upon specific request, shall be made available to the building official or water supplier.
Adopt		4. All tests, repairs, overhauls or replacements shall be at the expense of the owner of the backflow preventer.
Amend	Chapter 4	
Amend	Section 403.1, Fixture Calculations.	
Amend	Table 403.1	
Amend	Footnote (f.)	The required number and type of plumbing fixtures for outdoor public swimming pools shall be in accordance with the following:
Adopt	Item (1.)	Facilities that have less than 7500 gross square feet (697 m^2) of water area available for bather access shall have not less than one water closet for males, one urinal for males, one lavatory for males, one shower for males, two water closets for females, one lavatory for females and one shower for females.
Adopt	Item (2)	Facilities that have 7500 gross square feet (697 m^2) or more of water area available for bather access shall have not less than 0.7 water closet for males, one urinal for males, 0.85 lavatory for males, one shower for males, two water closets for females, one lavatory for females and one shower for females for every 7500 square feet (697 m^2) or portion thereof. Where the result of the fixture calculation is a portion of a whole number, the result shall be rounded up to the nearest whole number.
Amend	Footnote (e.)	For business and mercantile classifications with an occupant load of 25 or fewer, service sinks shall not be required except for Day Care Centers and Food (consumable) establishments such as restaurants, bar/lounge etc.
Amend	Section 403.1.1.	
Amend	Exceptions	
Amend	Item (2.)	Where multiple-user facilities are designed to serve all genders, the minimum fixture count shall be calculated 100 percent, based on total occupant load. In such multiple-user facilities, each fixture type shall be in accordance with ICC A117.1 and each urinal that is provided shall be located in a room, created by walls from floor to ceiling, with a solid door.
Adopt	Item (4)	Child day care occupancies shall not be required to have bathtubs or showers.
Amend	Section 403.2, Separate facilities.	
Amend	Exception	
Amend	Item (6.)	Separate facilities shall not be required where rooms, created by walls from floor to ceiling, with a solid door, having both water closets and lavatory fixtures are designed for use by both sexes and privacy for water closets is provided in accordance with Section 405.3.4. Urinals shall be located in a room, created by walls from floor to ceiling, with a solid door.
Adopt	Item (7.)	Separate facilities shall not be required for existing tenant spaces under 1800 sq. ft. where the occupancy classification is either B or M.
Amend	Section 403.3 Employee and public toilet facilities.	
Amend	Exception	
	Item 2	Structures and tenant spaces intended for quick transactions, including takeout, pickup and drop-off, having a public access area less than or equal to 300 square feet (28 m2) and shall be prohibited from containing public tables or chairs on the premises.
Amend	Section 403.3.3, Location of Toilet Facilities in Occupancies other than Malls and Educational Buildings.	In occupancies other than covered and open mall buildings, and educational buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet (152 m).
Amend	Exceptions	
Adopt	Item (3.)	In mini-storage facilities where the access is for outdoor use only a restroom is not required.
Adopt	Item (4.)	A single user toilet facility shall be installed in climate controlled mini-storage facilities and mini-storage facilities for outdoor use only which contain an onsite office.

Adopt	Section 403.3.7, Location of Toilet Facilities in Educational Buildings.	For primary schools, and other special types of institutions with classrooms, for children through 12 years of age, separate boys' and girls' toilet room doors shall not be further than 200 feet from any classroom doors. For secondary schools, and other special types of institutions with classrooms, for persons of secondary school age, separate boys' and girls' toilet room doors shall not be further than 400 feet from any classroom door. In multi-storied buildings, there shall be boys' and girls' toilet rooms on each floor, having the number of plumbing fixtures as specified in Table 403.1 of this code for the classroom population of that floor. When new educational buildings are added to an existing campus, the restroom facilities and drinking fountains located in the existing building(s) may be used to serve the occupants of the new educational building(s) only when all of the following provisions are met:
Adopt		1. covered walkways consisting of a roof designed to protect the students and faculty from precipitation having a minimum width of 6 feet and located above a slip-resistant concrete or other acceptable hard surfaces leading to and from the restrooms shall be provided whenever children or faculty have to walk outside to access the toilet room;
Adopt		2. the path of travel from the classroom door to the toilet room doors (boys' or girls') does not exceed the applicable distance specified in this Section; and
Adopt		3. the number of occupants of the new building does not cause an increase in the school population that would trigger the need for more fixtures per Table 403.1 (Minimum Number of Required Plumbing Fixtures).
Adopt	Section 403.6, Other Fixture Requirements for Licensed Pre-schools, Day Care Centers, and Residential Facilities.	Additional plumbing fixtures shall be provided in day care centers and residential facilities as required by this Section.
Amend	Section 403.6.1, Food Preparation.	The food preparation area in pre-schools, day cares, and residential facilities shall meet the following requirements. The food preparation, storage and handling where six or less individuals are cared for shall provide a two-compartment sink and an approved domestic type dishwasher. Where the number of individuals cared for is between 7 and 15, either a three-compartment sink, or an approved domestic or commercial type dishwashing machine and a two-compartment sink with hot and cold running water shall be provided. Where 16 or more individuals are cared for, a three-compartment sink must be provided. If a dishwasher is also utilized in these instances (16 or more individuals), it must be a commercial type and it shall be in addition to the required three-compartment sink. One laundry tray, service sink, or curbed cleaning facility with floor drain shall also be provided on the premises for cleaning of mops and mop water disposal.
Amend	Section 403.6.2, Caring for Children between 0 and 4 Years of Age.	In child day care facilities, a hand washing sink shall be in or adjacent to each diaper changing area. Training potties shall not be counted as toilets in determining the minimum fixture requirements of Table 403.1. Fixtures shall be size appropriate for the age of the children being cared for (toilets 11 inches maximum height and lavatories 22 inches maximum height), or if standard size fixtures are used, safe, cleanable step aids shall be provided.
Amend	Section 403.10.3.1, Minimum Number.	Plumbing fixtures shall be provided in the minimum number as shown in Table 403.1, based on the actual use of the building or space. Uses not shown in Table 403.1 shall be considered individually by the code official. The number of occupants shall be determined by the International Building Code. Public schools shall refer to Section 410 for water bottle filling stations.
Amend	Section 410, Drinking Fountains.	
Amend	Section 410.2, Small occupancies.	Drinking fountains shall not be required for an occupant load of 25 or fewer.
Adopt	Section 410.3.3, Public Schools.	Any new school building and any existing school building that undergoes a major plumbing renovation shall include the following:
Adopt	Item (1.)	At least one water bottle filling station per two hundred people projected to occupy the school building.
Adopt	Item (2)	At least one water bottle filling station on each floor of the school building.
Adopt	Item (3)	At least one water bottle filling station located near all cafeterias, gymnasiums, outdoor recreation spaces, and other high-traffic areas
Adopt	Exceptions	
Adopt	Item (1)	A city, parish, or other local public school board may install more filling stations as deemed appropriate.
Adopt	Item (2)	Plans for an existing school building may include retrofitting existing drinking fountains into water bottle filling stations.
Amend	Section 410.4, Substitutions.	Where restaurants, daycare centers, bars, lounges, taverns occupancies provide drinking water in a container free of charge, drinking fountains shall not be required in those occupancies. In other occupancies where three or more drinking fountains are required, water dispensers shall be permitted to be substituted for not more than 50 percent of the required number of drinking fountains.
Adopt	Section 410.6, Minimum Required Separation from Contamination.	Drinking fountain fixtures shall provide a minimum requirement of 18 inches of separation from its water outlet (spigot) to any source of contamination. Combination sink/drinking fountain units shall provide a minimum of 18 inches between the drinking fountain water outlet (spigot) and the nearest outside rim of the sink bowl [or other source(s) of contamination].
Adopt	Exceptions	
Adopt		1. This 18 inch minimum separation may only be reduced by the use of a vertical shield made of a smooth, easily cleaned surface that is attached flush with the top surface of the unit and extends to a distance at least 18 inches in height above the drinking fountain water outlet (spigot) level.
Adopt		2. Prohibited Fixture. Combination sink/drinking fountain units which share the same sink bowl are prohibited except in individual prison cells."
Adopt		2. A floor drain shall be required in the recess room for sterilizers in a medical facility.
Amend	Section 413, Floor and Trench Drains.	
Adopt	Section 413.5, Miscellaneous Areas	
Adopt		1. A floor drain shall be required in public toilet rooms, excluding hotel/motel guest rooms or patient rooms of a hospital or nursing home.
Adopt		2. A floor drain shall be required in the recess room for sterilizers in a medical facility.

Adopt		3. Floor drains are not permitted in general food storage areas, unless in accordance with Section 802.1.1 or 802.1.2 of this code.
Amend	Section 421.3, Shower Waste Outlet.	Waste outlets serving showers shall be not less than 2 inches (50.8 mm) in diameter and, for other than waster outlets in bathtubs, shall have removable strainers not less than 3 inches (76 mm) in diameter with strainer openings not less than 1/4 inch (6.4 mm) in least dimension. Where each shower space is not provided with an individual waste outlet, the waste outlet shall be located and the floor pitched so that waste from one shower does not flow over the floor area serving another shower. Waste outlets shall be fastened to the waste pipe in an approved manner.
Adopt	Section 422.4, Handwash Sinks.	
Adopt		1. Dedicated handwash sinks shall be located to permit convenient use by all employees in food processing, food preparation, and other food handling areas.
Adopt		2. Each commercial body art (tattoo) facility shall provide a hand washing sink to be used solely for hand washing in body art procedure area for the exclusive use of the operator. A separate instrument sink shall also be provided for the sole purpose of cleaning instruments and equipment prior to sterilization.
Adopt		3. A hand washing sink may not be used for purposes other than hand washing.
Adopt		4. Sinks used for food preparation or for washing and sanitizing of equipment and utensils shall not be used for hand washing.
Adopt	Section 422.5, Manual Warewashing, Sink Requirements.	A sink with at least three compartments constructed of smooth, impervious non-corrosive material such as stainless steel or high density food grade polymer plastic shall be provided in slaughter rooms, packing rooms, retail food establishments, and other food handling areas for manual washing, rinsing and sanitizing equipment and utensils except where there are no utensils or equipment to wash, rinse and sanitize; i.e., such as in a facility with only prepackaged foods.
Adopt	Section 422.6, Handwashing Facilities.	Medical facilities, including doctor's office and clinics, shall be provided with hand washing facilities within each patient examination and treatment room. The hand wash facility shall be provided with hot and cold water delivered via a mixing faucet.
Amend	Exception	1. In healthcare setting such as doctor's offices and clinics where there is no reasonably anticipated exposure to blood or other potentially infectious materials (OPIM), where hands are not expected to be visibly soiled and clinical situations described in items 1C-J (IA) (74,93,166,169,283,294,312,398) are followed, use of an alcohol-based hand rub for routinely decontaminating hands shall be allowed in lieu of handwashing facilities. The design professional shall provide documentation to the building official specifying the anticipated exposure.
Amend	Chapter 5, Water Heaters	
Amend	Section 504.6	5. Discharge to the floor, to a waste receptor, mop sinks or to the outdoors
Amend	Section 504.7.1, Pan Size and Drain.	The drain pan shall be a minimum of 2-inches (2") (50.8 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 1-inch (25.4 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4.
Amend	Chapter 6	
Amend	Chapter 6, Water Supply and Distribution.	
Amend	Section 602.3, Individual Water Supply.	Where a potable public water supply is not available, a private water supply meeting the applicable requirements of LAC 51:XII (Water Supplies) and LAC 56:I (Water Wells) shall be utilized.
Repeal		1. Delete and remove Sections 602.3.1, 602.3.2, 602.3.3, 602.3.4, 602.3.5 and 602.3.5.1.
Adopt	Section 603.3, Potable Water (Pressure) Lines Near Soil Absorption Trenches, Sand Filter Beds, Oxidation Ponds, and any Effluent Reduction Option (Effluent Reduction Fields, Rock Plant Filters, Spray Irrigation Systems, Overland Flow Systems, Mound Systems, or Subsurface Drip Disposal Systems).	Underground potable water (pressure) lines shall not be located within 25 feet (7.6 m) of any soil absorption trenches, sand filter beds, oxidation ponds, or any effluent reduction option including, but not limited to effluent reduction fields, rock plant filters, spray irrigation systems (from the edge of the spray and its drainage), overland flow systems (from the discharge point and field of flow), mound systems, or subsurface drip disposal systems which have been installed for either the disposal of septic tank effluent or mechanical treatment plant effluent.
Adopt	Section 603.4, Potable Water (Pressure) Lines Near Septic Tanks, Mechanical Sewage Treatment Plants, and Pump Stations.	Underground potable water (pressure) lines shall not be located within 10 feet (3.0 m) of any septic tank, mechanical sewage treatment plant, or sewage pump station.
Adopt	Section 603.5, Potable Water (Pressure) Lines Near Seepage Pit, Cesspool, or Sanitary Pit Privy.	Underground potable water (pressure) lines shall not be located within 50 feet (15.2m) of any seepage pit, cesspool, or sanitary pit privy.
Adopt	603.6, Reclaimed Water Lines.	Reclaimed water lines shall be considered and treated as though they are sewerage lines and shall be installed in accord with the spacing requirements of this Section for the protection of potable water lines.
Amend	Section 605.2.1, Lead Content of Water Supply Pipe and Fittings used for Human Consumption.	Water Piping Quality. All potable water pipes, fittings, valves, and fixtures used to provide water for human consumption shall be lead free and shall be evaluated and listed as conforming with NSF/ANSI 372. Any solder or flux which is used in the installation or repair of any public water system or any plumbing in a residential or nonresidential facility providing water for human consumption shall be lead free.
Adopt	Exceptions	The lead-free requirement above shall not apply to:

Adopt		1. leaded joints necessary for the repair of existing cast iron pipes;
Adopt		2. fire hydrants, pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption; or
Adopt		3. toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.
Amend	Section 605.3, Water Service Pipe with Corresponding Table 605.3.	Water service pipe shall conform to NSF 61 and shall conform to one of the standards listed in Table 605.3. Water service pipe or tubing, installed underground and outside of the structure, shall have a working pressure rating of not less than 160 psi (1100 kPa) at 73.4 degrees F (23 degrees C). Where the water pressure exceeds 160 psi (1100 kPa) piping material shall have a working pressure rating not less than the highest available pressure. Water service piping materials not third-party certified for water distribution shall terminate at or before the full open valve located at the entrance to the structure. All ductile iron water service piping shall be cement mortar lined in accordance with AWWA C104/A21.4.
Amend	Table 605.3—Water Service Pipe.	

Material	Standard
Acrylonitrile butadiene styrene (ABS) plastic pipe	ASTM D 1527; ASTM D 2282
Brass pipe	ASTM B 43
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2846; ASTM F 441; ASTM F 442; CSA B137.6
Copper or copper-alloy pipe	ASTM B 42; ASTM B 43 ASTM B 302
Copper or copper-alloy tubing (Type K, WK, L, or WL only. i.e., Type M and WM copper is prohibited.)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Cross-linked polyethylene (PEX) plastic pipe and tubing	ASTM F 876; ASTM F 877; AWWA C904; CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pipe	ASTM F 1281; ASTM F 2262; CSA B137.10M
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F 1986
Ductile iron water pipe	AWWA C151/A21.51; AWWA C115/A21.15
Galvanized steel pipe	ASTM A 53
Polyethylene (PE) plastic pipe	ASTM D 2239; ASTM D 3035; AWWA C901; CSA B137.1
Polyethylene (PE) plastic tubing	ASTM D 2737; AWWA C901; CSA B137.1
Polyethylene/aluminum/polyethylene (PE-AL-PE) pipe	ASTM F 1282; CSA B137.9
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F 2769
Polypropylene (PP) plastic pipe or tubing	ASTM F 2389; CSA B137.11
Polyvinyl chloride (PVC) plastic pipe	ASTM D 1785; ASTM D 2241; ASTM D 2672; CSA B137.3
Stainless steel pipe (Type 304/304L)	ASTM A 312; ASTM A 778
Stainless steel pipe (Type 316/316L)	ASTM A 312; ASTM A 778

Amend	Section 605.3.1, Dual Check-Valve-Type Backflow Preventer.	Dual check-valve backflow preventers installed on the water supply system shall comply with ASSE 1024 or CSA B64.6. These devices, which are commonly installed immediately downstream of water meters by water suppliers, are not approved backflow prevention devices and are only allowed to be installed when no cross connections exist downstream of the device or when all downstream cross connections are properly protected by approved backflow prevention devices, assemblies, or methods in accordance with Section 608 of this code.
Amend	Table 605.4, Water Distribution Pipe.	

Material	Standard
Brass pipe	ASTM B 43
Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing	ASTM D 2846; ASTM F 441; ASTM F 442; CSA B137.6
Copper or copper-alloy pipe	ASTM B 42; ASTM B 43 ASTM B 302
Copper or copper-alloy tubing (Type K, WK, L, or WL only. i.e., Type M and WM copper is prohibited.)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Cross-linked polyethylene (PEX) plastic tubing	ASTM F 876; ASTM F 877; CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pipe	ASTM F 1281; ASTM F 2262; CSA B137.10M
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F 1986
Ductile iron pipe	AWWA C151/A21.51; AWWA C115/A21.15
Galvanized steel pipe	ASTM A 53
Polyethylene/aluminum/polyethylene (PE-AL-PE) composite pipe	ASTM F 1282
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F 2769
Polypropylene (PP) plastic pipe or tubing	ASTM F 2389; CSA B137.11
Stainless steel pipe (Type 304/304L)	ASTM A 312; ASTM A 778
Stainless steel pipe (Type 316/316L)	ASTM A 312; ASTM A 778

Amend	Section 605.5, Fittings.	Pipe fittings shall be approved for installation with the piping material installed and shall comply with the applicable standards listed in Table 605.5. Pipe fittings utilized in water supply systems shall also comply with NSF 61. Ductile and gray iron pipe fittings shall be cement mortar lined in accordance with AWWA C104/A21.4. All copper, brass and stainless steel joints below a building slab shall be brazed and/or welded in accordance with the requirements of this code, as appropriate. With the exception of heat fused polypropylene, all other joints and fittings for plastic pipe below a building slab are prohibited
Amend	Table 605.5 Pipe Fittings.	

Material	Standard
Acrylonitrile butadiene styrene (ABS) plastic	ASTM D2468
Brass	ASTM F1974
Cast-iron	ASME BI6.4; ASME B16.12
Chlorinated polyvinyl chloride (CPVC) plastic	ASSE 1061; ASTM D2846; ASTM F 437; ASTM F 438; ASTM F 439; CSA B137.6
Copper or copper alloy	ASSE 1061;ASMEBI6.15; ASME B 16.18; ASME B 16.22; AS ME B 16.26
Cross-linked polyethylene/aluminumlhigh-density polyethylene (PEX-AL-HDPE)	ASTM F3226 ASTM F 1986
Fittings for cross-linked polyethylene (PEX) plastic tubing	ASSE 1061; ASTM F 877; ASTM F 1807; ASTM F 1960; ASTM F 2080; ASTM F 2098; ASTM F 2 I 59; ASTM F 2434; ASTM F 2735; CSA B 137.5
Gray iron and ductile iron	AWWACIIO;AWWACI53
Malleable iron	ASMEBI6.3
Insert fittings for Polyethylene/aluminum/polyethylene (pE-AL-PE) and cross-linked polyethylene/aluminum/polyethylene (PEX-AL-PEX)	ASTM F 1974; ASTM F 1281; ASTM F 1282; CSA BI37.9; CSA B137.10
Polyethylene (PE) plastic	CSA B137.1
Fittings for polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F 1807; ASTM F2098; ASTM F 2159; ASTM F 2735
Polypropylene CPP) plastic pipe or tubing	ASTM F 2389; CSA B 137.11
Polyvinyl chloride (PYC) plastic	ASTM D 2464; ASTM D 2466; ASTM D 2467; CSA B 137.2; CSA B137.3
Stainless steel (Type 304/304L) pipe	ASTM A 312; ASTM A 778
Stainless steel (Type 316/316L) pipe	ASTM A 312; ASTM A 778
Steel	ASME B 16.9; ASME BI6.11; ASMEBI6.28

Amend	Section 605.13.7, Push-fit joints	Push-fit joints shall conform to ASSE 1061, shall be installed in accordance with the manufacturer's instructions and shall be of the permanent non-removable type.
Amend	Section 605.14.4, Push-fit joints.	Push-fit joints shall conform to ASSE 1061, shall be installed in accordance with the manufacturer's instructions and shall be of the permanent non-removable type.
Amend	Section 605.16.3, Push-fit joints.	Push-fit joints shall conform to ASSE 1061, shall be installed in accordance with the manufacturer's instructions and shall be of the permanent non-removable type.
Amend	Section 606.5.5, Low-Pressure Cutoff Required on Booster Pumps.	A low-pressure cutoff shall be installed on all booster pumps in a water pressure booster system to prevent creation of a vacuum or negative pressure on the suction side of the pump when a positive pressure of 20 psi (137.9 kPa) or less occurs on the suction side of the pump.
Amend	Section 607.2, Hot or tempered water supply to fixtures.	The developed length of hot or tempered water piping, from the source of hot water to the fixtures that require hot or tempered water, shall not exceed 100. Recirculating system piping and heat-traced piping shall be considered to be sources of hot or tempered water.
Amend	Section 608.1, General.	A potable water supply system shall be designed, installed and maintained in such a manner so as to prevent contamination from non-potable liquids, solids or gases being introduced into the potable water supply through cross-connections or any other piping connections to the system. Backflow preventers shall conform to the applicable standard referenced in Table 608.1. Backflow preventer applications shall conform to Table 608.1, except as specifically stated in Sections 608.2 through 608.16.27 and Sections 608.18 through 608.18.2.
Amend	Section 608.9, Identification of Nonpotable Water.	Where nonpotable water systems are installed, the piping conveying the nonpotable water shall be identified either by color marking, metal tags or tape in accordance with Sections 608.8.1 through 608.8.3.
Adopt	Exception	
Adopt		1. Overall Exception to this Section (§608.8 of this code). Pursuant to R.S. 40:4.12, industrial-type facilities listed therein shall not be required to comply with this section (§608.8 of this code) provided that such facilities have a potable water distribution identification plan in conformity with the requirements of R.S. 40:4.12. The required formal cross-connection control survey of the facility referenced in R.S. 40:4.12 shall be performed by an individual holding a valid cross-connection control surveyor certificate issued under the requirements of ASSE 5120, or other individuals holding a surveyor certificate from a nationally recognized backflow certification organization approved by the state health officer.

Amend	Section 608.15, Location of Backflow Preventers.	Access shall be provided to backflow preventers as specified by the manufacturer's instructions for the required testing, maintenance and repair. A minimum of 1 foot of clearance shall be provided between the lowest portion of the assembly and grade or platform. Elevated installations exceeding 5-feet above grade (g) shall be provided with a suitably located permanent platform capable of supporting the installer, tester, or repairer. Reduced pressure principal type backflow preventers, and other types of backflow preventers with atmospheric ports and/or test cocks (e.g., atmospheric type vacuum breakers, double check valve assemblies, pressure type vacuum breaker assemblies, etc.), shall not be installed below grade (in vaults or pits) where the potential for a relief valve, an atmospheric port, or a test cock being submerged exists.
Amend	Section 608.16.4, Protection by a Vacuum Breaker.	Openings and outlets shall be protected by atmospheric-type or pressure-type vacuum breakers. The critical level of atmospheric type vacuum breakers shall be installed not less than 6 inches (152 mm) above all downstream piping and not less than 6 inches (152 mm) above the flood-level rim of the fixture receptor or device served. Shutoff or control valves shall not be installed downstream from an atmospheric vacuum breaker. Atmospheric vacuum breakers including, but not limited to, hose bibb vacuum breakers shall not be subjected to continuous water pressure. The critical level of pressure type vacuum breakers shall be installed not less than 12 inches (305 mm) above all downstream piping and not less than 12 inches (305 mm) above the flood-level rim of the fixture receptor or device served. Fill valves shall be set in accordance with Section 425.3.1. Vacuum breakers shall not be installed under exhaust hoods or similar locations that will contain toxic fumes or vapors.
Amend	Section 608.17, Connections to the Potable Water System.	Connections to the potable water system shall conform to Sections 608.17.1 through 608.17.27. These Sections (608.17.1-608.17.27) are not inclusive of all potential contamination sources which may need fixture isolation protection. For potential contamination sources not listed in Sections 608.17.1 through 608.17.27, backflow prevention methods or devices shall be utilized in accordance with Table B1 of CAN/CSA B64.10-1994. When a potential contamination source and its associated backflow prevention method or device is not identified in this code or Table B1 of CAN/CSA B64.10-1994, backflow prevention methods or devices shall be utilized as directed by the building official.
Amend	Section 608.17.5, Connections to Lawn/Landscape Irrigation Systems.	The potable water supply to lawn/landscape irrigation systems shall be protected against backflow by an atmospheric vacuum breaker, a pressure vacuum breaker assembly or a reduced pressure principle backflow prevention assembly. Shutoff or control valves shall not be installed downstream from an atmospheric vacuum breaker. When a lawn/landscape sprinkler system is provided with separate zones, the potable water supply shall be protected by a pressure vacuum breaker or reduced pressure principal backflow prevention assembly. Atmospheric vacuum breakers shall be installed at least 6 inches (152 mm) above the highest point of usage (i.e., 6 inches (152 mm) above all downstream piping and highest sprinkler head). Pressure type vacuum breakers shall be installed at least 12 inches (305 mm) above the highest point of usage (i.e., 12 inches (305 mm) above all downstream piping and the highest sprinkler head). Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow prevention assembly.
Amend	Section 608.17.8, Portable Cleaning Equipment.	Where the portable cleaning equipment connects to the water distribution system, the water supply system shall be protected against backflow in accordance with Section 608.14.1, 608.14.2, 608.14.3, 608.14.7, or 608.14.8. The type of backflow preventer shall be selected based upon the application in accordance with Table 608.1.
Adopt	Section 608.17.11, Cooling Towers.	The potable water supply to cooling towers shall be protected against backflow by an air gap.
Adopt	Section 608.17.12, Chemical Tanks.	The potable water supply to chemical tanks shall be protected against backflow by an air gap.
Adopt	Section 608.17.13, Commercial Dishwashers in Commercial Establishments.	The potable water supply to commercial dishwashers in commercial establishments shall be protected against backflow by an air gap, atmospheric vacuum breaker, or pressure vacuum breaker. Vacuum breakers shall meet the requirements of Section 608.16.4.
Adopt	Section 608.17.14, Ornamental Fountains.	The potable water supply to ornamental fountains shall be protected against backflow by an air gap.
Adopt	Section 608.17.15, Swimming Pools, Spas, Hot Tubs.	The potable water supply to swimming pools, spas, or hot tubs shall be protected against backflow by an air gap or reduced pressure principal backflow prevention assembly.
Adopt	Section 608.17.16, Baptismal Fonts.	The potable water supply to baptismal fonts shall be protected against backflow by an air gap.
Adopt	Section 608.17.17, Animal Watering Troughs.	The potable water supply to animal watering troughs shall be protected against backflow by an air gap.
Adopt	Section 608.17.18, Agricultural Chemical Mixing Tanks.	The potable water supply to agricultural chemical mixing tanks shall be protected against backflow by an air gap.
Adopt	Section 608.17.19, Water Hauling Trucks.	The potable water supply to water hauling trucks/tankers shall be protected against backflow by an air gap when filled from above. When allowed to be filled from below, they shall be protected by a reduced pressure principle backflow prevention assembly. When a tanker truck is designated for the hauling of food grade products (and has been cleaned utilizing food grade cleaning procedures) and is allowed to be filled from below, a double check valve assembly shall be acceptable.
Adopt	Section 608.17.20, Air Conditioning Chilled Water Systems and/or Condenser Water Systems.	The potable water supply to air conditioning chilled water systems and condenser water systems shall be protected against backflow by a reduced pressure principal backflow prevention assembly.
Adopt	Section 608.17.21, Pot-Type Chemical Feeders	The potable water supply to pot-type chemical feeders shall be protected against backflow by a reduced pressure principal backflow prevention assembly.
Adopt	Section 608.17.22, Food Processing Steam Kettles	The potable water supply to food processing steam kettles shall be protected against backflow by a double check valve backflow prevention assembly.

Adopt	Section 608.17.23, Individual Travel Trailer Pads	The potable water supply to individual travel trailer pads shall be protected against backflow by a dual check valve backflow prevention assembly.
Adopt	Section 608.17.24, Laboratory and/or Medical Aspirators	The potable water supply to laboratory and/or medical aspirators shall be protected against backflow by an atmospheric or pressure vacuum breaker installed in accordance with Sections 608.3.1 and 608.15.4.
Adopt	Section 608.17.25, Laboratory or other Sinks with Threaded or Serrated Nozzles.	The potable water supply to laboratory sinks or other sinks with threaded or serrated nozzles shall be protected against backflow by an atmospheric or pressure vacuum breaker installed in accordance with Sections 608.3.1 and 608.16.4.
Adopt	Section 608.17.26, Mortuary/Embalming Aspirators	The potable water supply to mortuary/embalming aspirators shall be protected against backflow by a pressure vacuum breaker installed in the supply line serving the aspirator. The critical level of the vacuum breaker shall be installed a minimum of 12 inches higher than the aspirator. The aspirator shall be installed at least 6 inches above the highest level at which suction may be taken. An air gap shall be provided between the outlet of the discharge pipe and the overflow rim of the receiving fixture.
Adopt	Section 608.17.27, Room(s) or other Sub-Unit(s) of a Premise or Facility Receiving Water where Access is Prohibited	When access is prohibited to particular areas, rooms, or other sub-units of a premise or facility which is receiving water, the potable water supply serving those areas shall be protected against backflow by a reduced pressure principal backflow protection assembly.
Amend	Section 608.18, Protection of Individual Water Supplies	An individual water supply shall be located and constructed so as to be safeguarded against contamination in accordance with the applicable requirements of LAC 51:XII (Water Supplies) and LAC 56:I (Water Wells).
Repeal	Sections 608.18.1 through 608.18.8 including Table 608.18.1	Delete Sections 608.18.1 through 608.18.8 including Table 608.18.1.
Adopt	Section 608.19, Containment Practices	Backflow prevention methods or devices shall be utilized as directed by the water supplier or code official to isolate specific water supply system customers from the water supply system's mains when such action is deemed necessary to protect the water supply system against potential contamination caused by backflow of water from that part of the water system owned and maintained by the customer (for example, the piping downstream of the water meter, if provided). Minimum requirements shall be in accordance with Section 608.19.1 through 608.19.2.
Adopt	Section 608.19.1, Containment Requirements.	As a minimum, the following types of backflow prevention assemblies or methods shall be installed and maintained by water supply system customers immediately downstream of the water meter (if provided) or on the water service pipe prior to any branch line or connections serving the listed customer types and categories.
Amend		Table 608.19.1, Containment Requirements.

Air Gap
1. Fire Protection/Sprinkler System utilizing non-potable water as an alternative or primary source of water
Reduced Pressure Principle Backflow Prevention Assembly
1. Hospitals, Out-Patient Surgical Facilities, Renal Dialysis Facilities, Veterinary Clinics
2. Funeral Homes, Mortuaries
3. Car Wash Systems
4. Sewage Facilities
5. Chemical or Petroleum Processing Plants
6. Animal/Poultry Feedlots or Brooding Facilities
7. Meat Processing Plants
8. Metal Plating Plants
9. Food Processing Plants, Beverage Processing Plants
10. Fire Protection/Sprinkler Systems using antifreeze in such system (a detector type assembly is required on unmetered fire lines)
11. Irrigation/Lawn Sprinkler Systems with Fertilizer Injection
12. Marinas/Docks
13. Radiator Shops
14. Commercial Pesticide/Herbicide Application
15. Photo/X-ray/Film Processing Laboratories
16. Multiple Commercial Units served by a master meter
17. Any type of occupancy type or any other facility having one or more Single-walled Heat Exchangers which uses any chemical, additive, or corrosion inhibitor, etc., in the heating or cooling medium
18. Any type of occupancy type or any other facility having one or more Double-walled Heat Exchangers which use any chemical, additive, or corrosion inhibitor, etc., in the heating or cooling medium and which does not have a path to atmosphere with a readily visible discharge
19. Premises where access/entry is prohibited
Pressure Vacuum Breaker Assembly/Spill Resistant Vacuum Breaker Assembly
1. Irrigation/Lawn Sprinkler Systems
Double Check Valve Assembly
1. Fire Protection/Sprinkler Systems (a detector type double check valve assembly is required on unmetered fire lines)
2. Two residential dwelling units served by a master meter, unless both units are located on a parcel or contiguous parcels of land having the same ownership and neither unit is used for commercial purposes. As used herein, the term "commercial purposes" means any use other than residential.
3. Three or more residential dwelling units served by a master meter
4. Multistoried Office/Commercial Buildings (over 3 floors)

	5. Jails, Prisons, and Other Places of Detention or Incarceration	
Adopt	Section 608.19.2, Other Containment Requirements.	Table 608.19.1 of this code above is not inclusive of all potential contamination sources which may need containment protection. For potential contamination sources not listed in this table, backflow prevention methods or devices shall be utilized in accordance with Table B1 of CAN/CSA B64.10-1994. When a potential contamination source and its associated backflow prevention method or device is not identified in Table 608.19.1 of this code above or Table B1 of CAN/CSA B64.10-1994, backflow prevention methods or devices shall be utilized:
Adopt		1. as directed by the building code official; or
Adopt		2. as directed by the water supplier;
Adopt		3. in cases of a discrepancy regarding the particular backflow prevention assembly or method required, the assembly or method providing the higher level of protection shall be required.
Adopt	Item (4.)	Where a backflow prevention device is installed above ground, any piping installed above ground shall be metallic piping, shall be of rigid quality and must comply with Table 605.4.
Amend	Chapter 7, Sanitary Drainage.	
Amend	Section 701.2, Sewer Required.	Buildings in which plumbing fixtures are installed and premises having sanitary drainage system piping shall be connected to a community sewerage system, where available, or an approved commercial treatment facility or individual sewerage meeting the requirements of LAC 51:XIII (Sewage Disposal).
Adopt	Section 701.8, Repairs to Drainage System via Re-Route.	In the case where it is determined that there is a broken underground drain line including, but not limited to, broken drain lines under the slab of a building, and a drain line re-route is performed, the existing broken underground drain line shall be and sealed watertight and gastight using approved plumbing materials and joining/jointing methods, e.g., properly install an approved cap, plug, or cleanout on the cut or disconnected pipe.
Adopt	Section 703.7, Minimum Size Building Sewer.	No building sewer shall be less than 4 inches in size with the exception of force lines.
Adopt	Exception	
Adopt		A 2 inch sink or washing machine drain shall be allowed to continue, greater than 30 inches of developed length, from the edge of the foundation continuous to the 4 inch building sewer if it meets ALL of the following conditions:
Adopt	Item 1.	The allowable fall per inch over the entire length of pipe shall be maintained.
Adopt	Item 2.	No solid waste shall be allowed within the drain system.
Adopt	Item 3.	A disposal shall not be allowed within the drain system.
Amend	Section 710.1, Maximum Fixture Unit Load.	The maximum number of drainage fixture units connected to a given size of building sewer, building drain or horizontal branch of the building drain shall be determined using Table 710.1(1). The maximum number of drainage fixture units connected to a given size vertical soil or waste stack, or horizontal branch connecting to a vertical soil or waste stack, shall be determined using Table 710.1(2).
Amend	Table 710.1(1).	

	Maximum Number of Drainage Fixture Units Connected to Any Portion of the Building Drain or the Building Sewer, Including Branches of the Building Drain[a]			
	Slope Per Foot			
Diameter of Pipe (Inches)	1/16 inch	1/8 inch	1/4 inch	1/2 inch
1 1/4			1	1
1 1/2			3	3
2			21	26
2 1/2			24	31
3		20 (not over two water closets)	27 (not over two water closets)	36 (not over two water closets)
4	—	180	216	250
5	—	390	480	575
6	—	700	840	1,000
8	1,400	1,600	1,920	2,300
10	2,500	2,900	3,500	4,200
12	3,900	4,600	5,600	6,700
15	7,000	8,300	10,000	12,000

For SI: 1 inch = 25.4 mm, 1 inch per foot = 83.3 mm/m.

[a] The minimum size of any building drain serving a water closet shall be 3 inches.

Amend	Table 710.1(2).	Table 710.1(2)—Horizontal Fixture Branches and Soil Stacks[a].

Diameter of Pipe (inches) (The minimum size of any branch or soil stack serving a water closet shall be 3".)	Maximum Number of Drainage Fixture Units (dfu)			
	Total for horizontal branch (Does not include branches of the building drain. Use 50 percent less dfu's for any circuit or battery vented fixture branches, no size reduction permitted for circuit or battery vented branches throughout the entire branch length.)	Soil Stacks[b]		
		Total discharge into one branch interval when greater than three branch intervals	Total for soil stack when three branch intervals or less	Total for soil stack when greater than three branch intervals
1 1/2	3	2	4	8
2	6	6	10	24
2 1/2	12	9	20	42
3	20 (not over two water closets)	16 (not over two water closets)	30 (not over six water closets)	60 (not over six water closets)
4	160	90	240	500
5	360	200	540	1,100
6	620	350	960	1,900
8	1,400	600	2,200	3,600
10	2,500	1,000	3,800	5,600
12	3,900	1,500	6,000	8,400
15	7,000	Note c	Note c	Note c

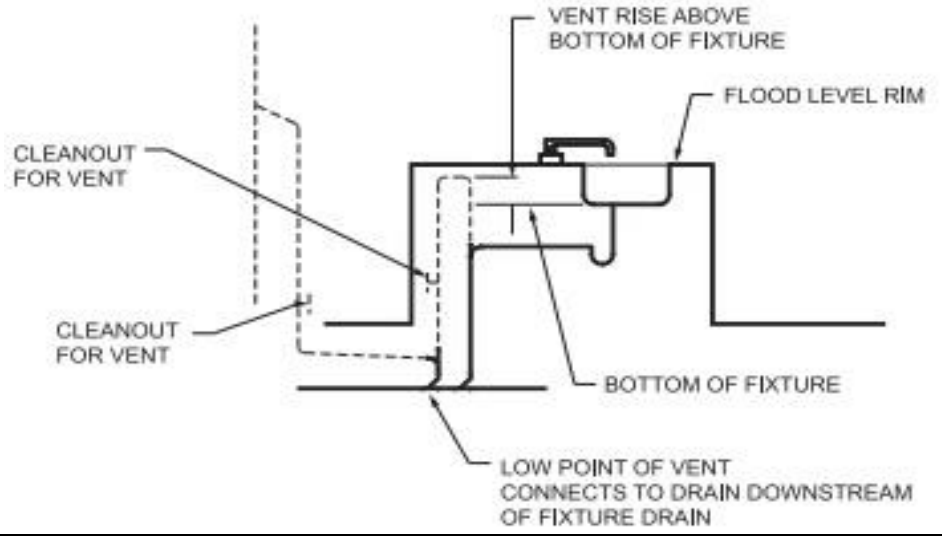
For SI: 1 inch = 25.4 mm.

[a] Does not include branches of the building drain. Refer to Table 710.1(1).

[b] Soil stacks shall be sized based on the total accumulated connected load at each story or branch interval. As the total accumulated connected load decreases, stacks are permitted to be reduced in size. Stack diameters shall not be reduced to less than one-half of the diameter of the largest stack size required.

[c] Sizing load based on design criteria.

Adopt	Section 710.3, Underground Drainage Piping.	Any portion of the drainage system installed underground or below a basement or cellar shall not be less than 2-inch diameter. In addition, any portion of the drainage system installed underground which is located upstream from a grease trap or grease interceptor as well as the underground horizontal branch receiving the discharge there from shall not be less than 3-inch diameter.
Amend	Section 712.3.2.	The sump pit shall be not less than 18 inches (457 mm) in diameter and not less than 24 inches (610 mm) in depth, unless otherwise *approved*. The pit shall be accessible and located such that all drainage flows into the pit by gravity. The sump pit shall be constructed of tile, concrete, steel, plastic or other *approved* materials. The pit bottom shall be solid and provide permanent support for the pump. The sump pit shall be fitted with a gas-tight removable cover that is installed flush with grade or floor level, or above grade in outdoor installations. The cover shall be adequate to support anticipated loads in the area of use. The sump pit shall be vented in accordance with Chapter 9
Amend	Section 716.1, General.	This section shall govern the replacement of existing *building sewer* and piping by pipe-bursting methods.
Adopt	Exception	Building drains shall be installed in compliance with Section 316 when approved by the AHJ.
Amend	Section 716.2, Applicability.	The replacement of *building sewer* and piping by pipe-bursting methods shall be limited to gravity drainage piping of sizes 6 inches (152 mm) and smaller. The replacement piping shall be of the same nominal size as the existing piping.
Adopt	Exception	Building drains shall be installed in compliance with Section 316 when approved by the AHJ.
Amend	Section 717.1, General.	This section shall govern the relining of existing *building sewers* and building drainage piping is prohibited.
Adopt	Exception	Shall be allowed when installed in compliance with Section 316 and approved by the AHJ.
Amend	Section 718.1, Cure-in place.	Sectional cure-in-place rehabilitation of *building sewer* piping and sewer service lateral piping shall be installed in compliance with Section 316 and in accordance with ASTM F2599. Main and lateral cure-in-place rehabilitation of *building sewer* and sewer service lateral pipe and their connections to the main sewer pipe shall be in accordance with ASTM F2561. Hydrophilic rings or gaskets in cure-in-place rehabilitation of *building sewer* piping and sewer service laterals shall be in accordance with ASTM F3240 to ensure water tightness and elimination of ground water penetration.
Amend	Chapter 8, Indirect/Special Waste.	
Amend	Section 802.1.1, Food Handling.	Equipment and fixtures utilized for the storage, preparation and handling of food shall discharge through an indirect waste pipe by means of an air gap. Food handling equipment includes, but is not limited to, the following: any sink where food is cleaned, peeled, cut up, rinsed, battered, defrosted or otherwise prepared or handled; potato peelers; ice cream dipper wells; refrigerators; freezers; walk-in coolers or freezers; ice boxes; ice making machines; fountain-type drink dispensers; rinse sinks; cooling or refrigerating coils; laundry washers; extractors; steam tables; steam kettles; egg boilers; coffee urns; steam jackets or other food handling or cooking equipment wherein the indirect waste pipe may come under a vacuum; or similar equipment.
Amend	Section 802.4, Waste Receptors.	For other than hub drains that receive only clear-water waste and standpipes, a removable strainer or basket shall cover the outlet of waste receptors. Waste receptors shall not be installed in concealed spaces. Waste receptors shall not be installed in plenums, interstitial spaces above ceilings and below floors. Access shall be provided to waste receptors.
Amend	Chapter 9, Vents.	
Amend	Section 906.1, Size of stack vents and vent stacks.	The minimum required diameter of *stack vents* and vent *stacks* shall be determined from the *developed length* and the total of *drainage fixture units* connected thereto in accordance with Table 906.1, but in no case shall the diameter be less than one-half the diameter of the drain served or less than $1^1/_4$ inches (32 mm). As it relates to Table 906.1, vents for water closets and clinical sinks shall be a minimum of 2 inches in size.
Amend	Section 906.2, Vents other	The diameter of individual vents, branch vents, circuit vents and relief vents shall be not less than one-half the

	than stack vents or vent stacks.	required diameter of the drain served. The required size of the drain shall be determined in accordance with Table 710.1(2). Vent pipes shall be not less than 11/4 inches (32 mm) in diameter. Vents exceeding 40 feet (12 192 mm) in developed length shall be increased by one nominal pipe size for the entire developed length of the vent pipe. Relief vents for soil and waste stacks in buildings having more than 10 branch intervals shall be sized in accordance with Section 908.2. Vents for water closets and clinical sinks shall be a minimum of 2 inches in size.
Amend	Table 909.1, Maximum Distance of Fixture Trap from Vent.	
Adopt	Footnote	The developed length between the trap of a water closet or similar fixture (measured from the top of the closet flange to the inner edge of the vent) and its vent shall not exceed 6 feet (1829 mm).
Repeal	Table 911.3, Common vent sizes.	
Amend	Section 911.4, Common vent connection.	Common vent sizing shall be the sum of the fixture units served but shall not be smaller than the minimum vent pipe size required for a fixture served, or by Section 906.1.
Amend	Section 916.2, General.	The island fixture vent shall connect to the *fixture drain* as required for an individual or common vent. The vent shall rise vertically to above the drainage outlet of the fixture being vented and as high as possible to the underside of the countertop before offsetting horizontally or vertically downward installation shall be per Figure 916.2. The vent or *branch vent* for multiple island fixture vents shall extend to a point not less than 6 inches (152 mm) above the highest island fixture being vented before connecting to the outside vent terminal.
Adopt	Figure 916.2	
Repeal	Section 916.3, Vent installation below the fixture flood level rim.	
Amend	Section 917, Single Stack System.	
Amend	Section 917 .1, Where permitted.	Single-stack venting shall be designed by a registered design professional as an engineered design. A drainage stack shall serve as a single stack vent system where sized and installed in accordance with Sections 917.2 through 917.9. The drainage stack and branch piping shall be the vents for the drainage system. The drainage stack shall have a stack vent.
Repeal	Section 918, Air Admittance Valves.	Delete Section 918, Air Admittance Valves in its entirety and all referring sections of the 2021 IPC. In accordance with the requirements of Act 836 of the 2014 Regular Session, air admittance valves are prohibited from use on all plumbing systems.
Repeal	Section 920, Computerized vent design.	
Amend	Chapter 10, Traps, Interceptors and Separators.	
Amend	Section 1003.2, Approval.	Interceptors and separators shall be designed and installed in accordance with the manufacturer's instructions and the requirements of this section based on the anticipated conditions of use. Wastes that do not require treatment or separation shall not be discharged into any interceptor or separator. No interceptor or separator shall be installed until its design, size, location and venting has been approved by the local jurisdictional code official. The local jurisdictional code official shall have the authority to require a grease interceptor to be serviced, repaired, or replaced with a larger unit when it is determined that a unit is not working or being maintained properly, the unit is damaged, or the mode of operation of the facility no longer meets the anticipated conditions of use (i.e., offensive odors, sewage backups or overflows, or when it is determined that grease is bypassing the grease interceptor and causing downstream blockages or interfering with sewage treatment).

Adopt	Section 1003.2.1, Grease Interceptor Sizing.	In all instances of new construction, change of occupancy classification or use of the property, a gravity grease interceptor or hydro-mechanical grease interceptor meeting the minimum capacity as required by this Section of the Code shall be installed. The minimum required capacity (volume) of the grease interceptor shall be determined based upon the maximum number of persons served during the largest meal period. The minimum capacity shall not be less than 125 gallons below the static water level. This capacity is sufficient to hold the flow from one meal long enough to accomplish proper grease separation when serving up to 50 people during a single meal period. When over 50 people are served during a single meal period, the minimum capacity shall be increased beyond 125 gallons based upon at least an additional 2 1/2 gallons per person beginning with the 51st person served and greater.
Adopt	Exceptions	
Adopt		(a.) At the discretion of the local jurisdictional code official, a smaller, point of use type hydro-mechanical grease interceptor or automatic grease removal device may be permissible when:
Adopt		1. a concrete slab would have to be broken at an existing building or facility for the proper installation of a grease interceptor; or
Adopt		2. an outside, unpaved area surrounding an existing building where a grease interceptor could be installed is available; however, it is determined that the area is located further than 75 feet from the plumbing fixtures that the grease interceptor would be servicing; or
Adopt		3. the local jurisdictional code official determines that the installation is unfeasible such as when servicing a kitchen located on the upper floors of a multistoried building; or
Adopt		4. the local jurisdictional code official determines that minimal fat, oil and grease will be produced or introduced into the sanitary drainage system based on the menu and mode of operation of the facility (i.e., snowball stands, sandwich shops, or other similar facilities with low grease production and which utilize single-service tableware and hollowware including forks, knives, spoons, plates, bowls, cups, and other serving dishes).
Adopt		(b.) In these instances, listed under the exception, the minimum required size of the hydromechanical grease interceptor; fats, oils and greases disposal system or automatic grease removal device shall be determined in accordance with the requirements of Section 1003.3.4 of this code. In no case shall a grease interceptor or automatic grease removal device be installed which has an approved rate of flow of less than 20 gallons per minute.
Amend	Section 1003.3.5, Hydromechanical Grease Interceptors, Fats, Oils and Greases Disposal Systems and Automatic Grease Removal Devices.	When specifically allowed under the exception of Section 1003.2.1 of this code, hydromechanical grease interceptors; fats, oils, and greases disposal systems and automatic grease removal devices shall be sized in accordance with ASME A112.14.3, ASME A112.14.4, ASME A112.14.6, CSA B481.3 or PDI-G101. Hydromechanical grease interceptors; fats, oils, and grease disposal systems and automatic grease removal devices shall be designed and tested in accordance with ASME A112.14.3, ASME A112.14.4, CSA B481.1, PDI G101 or PDI G102. Hydromechanical grease interceptors; fats, oils, and greases disposal systems and automatic grease removal devices shall be installed in accordance with the manufacturer's instructions. Where manufacturer's instructions are not provided, hydromechanical grease interceptors; fats, oils, and greases disposal systems and automatic grease removal devices shall be installed in compliance with ASME A112.14.3, ASME A112.14.4, ASME A112.14.6, CSA B481.3 or PDI-G101.
Amend	Section 1003.3.7, Gravity Grease Interceptors/Grease Traps.	Gravity grease interceptors shall comply with the requirements of Sections 1003.3.47.1 through 1003.3.47.8 and shall be sized in accordance with Section 1003.2.1 of this code.
Adopt	Section 1003.3.1, Indoor Installations.	If a gravity grease interceptor must be installed within an enclosed building, any access covers shall be gasketed to prevent the intrusion of odors into the building.
Adopt	Section 1003.3.7.2, Distance.	The grease interceptor shall be placed as close to the plumbing fixture(s) discharging greasy waste as possible, but preferably on the outside of the building when feasible.
Adopt	Section 1003.3.7.3, Outlet Pipe.	The minimum diameter of the outlet pipe shall not be less than 4 inches. The invert of the gravity grease interceptor outlet opening (i.e., lowest portion of the outlet pipe where it draws waste near the bottom of the grease interceptor), shall be located at a maximum of 6 inches and a minimum of 4 inches from the floor of the grease interceptor. This requirement also applies to any intermediate outlets in multi-compartment gravity grease interceptors.
Adopt	Section 1003.3.7.4, Air Space.	A minimum of one foot of air space shall be provided above the static water level.
Adopt	Section 1003.3.7.5, Venting.	A gravity grease interceptor outlet shall be properly vented in accordance with this section to prevent it from siphoning itself out. Any internally vented outlet line shall have the vent terminal extended to within 2 inches of the bottom of the access cover to prevent grease from escaping the gravity grease interceptor through the open vent terminal. For those gravity grease interceptors having a gasketed cover, the gravity grease interceptor outlet line shall not be allowed to be internally vented. In this case, the outlet line itself shall be vented with a minimum 2-inch vent pipe installed in accordance with Chapter 9 of this code.
Adopt	Section 1003.3.7.6, Water Seal.	On unbaffled single compartment gravity grease interceptors, a 90 degree ell shall be used on the inlet and shall terminate 6 inches below the static water level. On baffled single compartment gravity grease interceptors, a baffle wall shall be placed between the inlet and outlet. The inlet shall discharge into the gravity grease interceptor at a level at least 6 inches below the top of the baffle wall.
Adopt	Section 1003.3.7.7, Minimum Horizontal Distance.	The minimum horizontal distance between the inlet and outlet piping in the gravity grease interceptor shall be 24 inches.
Adopt	Section 1003.3.7.8, Access/Covers.	Access from the top of the gravity grease interceptor shall be provided by an easily removable cover above an access opening for proper maintenance. Additional access opening/covers shall be provided as necessary to provide accessibility to each compartment in multi-compartment or multi-baffled arrangements as well as access to both the inlet and outlet. Access opening covers shall be above or at grade (G) to provide ready accessibility. Each access cover shall be designed so that it cannot slide, rotate, or flip when properly installed in order that the opening is not unintentionally exposed. Especially for lightweight covers, mechanical fasteners are recommended to augment the safety of and ensure positive closure of the cover.

Amend	Section 1003.10, Access and Maintenance of Interceptors and Separators.	Access shall be provided to each interceptor and separator for service and maintenance. A two-way cleanout shall be provided on the discharge waste line immediately downstream of all interceptors and separators. Interceptors and separators shall be maintained by periodic removal of accumulated grease, scum, oil, or other floating substances and solids deposited in the interceptor or separator.
Amend	Chapter 11, Storm Drainage.	
Amend	Section 1101.3, Prohibited Drainage.	Storm water shall not be drained into sewers intended for sewage only.
Adopt	Exception	
Adopt		1. Liquid waste from the cleaning operation and from the leakage of garbage containers and dumpsters holding putrescible wastes shall be disposed of as sewage. Methods used for this disposal shall prevent rainwater and runoff from adjacent areas from entering the sanitary sewerage system (i.e., dumpster pads may be elevated or curbed, enclosed or covered). When determined by the code official that liquid wastes or putrescible wastes contain fats, oils or grease (or, for new establishments, will likely contain fats, oils, or grease in the future), an approved grease interceptor shall be installed in the waste line in accordance with Section 1003 of this code.
Repeal	Section 1103.1.	
Repeal	Section 1103.2.	
Repeal	Section 1103.3.	
Repeal	Section 1103.4.	
Repeal	Section 1109.1.	
Amend	Chapter 13, Gray Water Recycling Systems.	
Amend	Section 1301.4, Permits.	Permits shall be required for the construction, installation, alteration and repair of nonpotable water systems. Construction documents, engineering calculations, diagrams and other such data pertaining to the nonpotable water system shall be submitted with each permit application. Such plans and specifications shall be appropriately sealed and signed by a Louisiana registered professional engineer.
Amend	Section 1301.5, Potable Water Connections.	Where a potable system is connected to a nonpotable water system, the potable water supply shall be protected against backflow by an air gap or reduced pressure principal backflow prevention assembly.
Amend	Section 1301.9.4, Makeup Water.	Where an uninterrupted supply is required for the intended application, potable or reclaimed water shall be provided as a source of makeup water for the storage tank. The makeup water supply shall be protected against backflow by an air gap or reduced pressure principal backflow prevention assembly. A full-open valve located on the makeup water supply line to the storage tank shall be provided. Inlets to the storage tank shall be controlled by fill valves or other automatic supply valves installed to prevent the tank form overflowing and to prevent the water level from dropping below a predetermined point. Where makeup water is provided, the water level shall not be permitted to drop below the source water inlet or the intake of any attached pump.
Amend	Chapter 15, Referenced Standards.	
Amend	CSA Referenced Standard.	B64.10-94 Manual for the Selection, Installation, Maintenance and Field Testing of Backflow Prevention Devices (not including Part 6 (Maintenance and Field Testing) Section 608.16 and Section 618.2
Adopt	Chapter 16, Travel Trailer and Mobile/Manufactured Home Parks.	
Adopt	Definitions	Add the following definitions:
Adopt	*Dependent Travel Trailer*	a travel trailer not equipped with a water closet.
Adopt	*Drain Hose*	the approved type hose, flexible and easily detachable, used for connecting the drain outlet on a travel trailer to a sewer inlet connection.
Adopt	*Drain Outlet*	the lowest end of the main drain of a travel trailer itself to which a drain hose is connected.
Adopt	*Independent Travel Trailer*	a travel trailer equipped with a water closet and a bath or shower.
Adopt	*Inlet Coupling*	the terminal end of the branch water line to which the mobile/manufactured home or travel trailer's water service connection is made. It may be a swivel fitting or threaded pipe end.
Adopt	*Intermediate Waste Holding Tank*	(travel trailers only)—an enclosed tank for the temporary retention of water-borne waste.
Adopt	*Mobile/Manufactured Home*	a prefabricated home built on a permanent chassis which can be transported in one or more sections and is typically used as a permanent dwelling. Manufactured homes built since 1976 are built to the *Manufactured Home Construction and Safety Standards (HUD Code)* and display a HUD certification label on the exterior of each transportable section.
Adopt	*Park* or *Mobile/Manufactured Home Park* or *Travel Trailer Park*	any lot, tract, parcel or plot of land upon which more than one travel trailer and/or mobile/manufactured homes parked for the temporary or permanent use of a person or persons for living, working or congregating.
Adopt	*Park Drainage System*	the entire system of drainage piping within the park which is used to convey sewage or other wastes from the mobile/manufactured home or travel trailer drain outlet connection, beginning at its sewer inlet connection at the mobile/manufactured home or travel trailer site, to a community sewerage system, a commercial treatment facility, or an individual sewerage system.
Adopt	*Park Water Distribution System*	all of the water distribution piping within the park, extending from the water supply system or other source of supply to, but not including, the mobile/manufactured home or travel trailer's water service connection, and including branch service lines, fixture devices, service buildings and appurtenances thereto.
Adopt	*Service Building*	a building housing toilet and bathing facilities for men and women, with laundry facilities.
Adopt	*Sewer Inlet*	a sewer pipe connection permanently provided at the travel trailer or mobile/manufactured home site which is designed to receive sewage when a travel trailer or a mobile/manufactured home is parked on such site. It is considered the upstream terminus of the park drainage system.

Adopt	*Travel Trailer*	a vehicular unit, mounted on wheels, designed to provide temporary living quarters for recreational, camping, or travel use.
Adopt	*Travel Trailer Sanitary Service Station*	a sewage inlet with cover, surrounded by a concrete apron sloped inward to the drain, and watering facilities to permit periodic wash down of the immediately adjacent area, to be used as a disposal point for the contents of intermediate waste holding tanks of travel trailers.
Adopt	*Water Service Connection*	as used in conjunction with mobile/manufactured homes and travel trailers, the water pipe connected between the inlet coupling of the park water distribution system and the water supply fitting provided on the mobile/manufactured home or travel trailer itself.
Adopt	Section 1601, General.	
Adopt	Section 1601.1, Scope.	The requirements set forth in this Chapter shall apply specifically to all new travel trailer and mobile/manufactured home parks, and to additions to existing parks as herein defined, and are to provide minimum standards for sanitation and plumbing installation within these parks, for the accommodations, use and parking of travel trailers and/or mobile/manufactured homes.
Adopt	Section 1601.2, Governing Provisions.	Other general provisions of this code shall govern the installation of plumbing systems in travel trailer and mobile/manufactured home parks, except where special conditions or construction are specifically defined in this Chapter.
Adopt	Section 1601.3, Sewage Collection, Disposal, Treatment.	Travel trailers or mobile/manufactured homes shall not hereafter be parked in any park unless there are provided plumbing and sanitation facilities installed and maintained in conformity with this code. Every travel trailer and mobile/manufactured home shall provide a gastight and watertight connection for sewage disposal which shall be connected to an underground sewage collection system discharging into a community sewerage system, a commercial treatment facility, or an individual sewerage system which has been approved by the state health officer.
Adopt	Section 1601.4, Travel Trailer Sanitary Service Station.	At least one travel trailer sanitary service station shall be provided in all travel trailer parks that accept any travel trailers having an intermediate waste holding tank. The water supply serving the sanitary service station shall be protected against backflow by a reduced pressure principle backflow prevention assembly meeting the requirements of Section 608 of this code.
Adopt	Section 1601.5, Materials.	Unless otherwise provided for in this Chapter, all piping fixtures or devices used in the installation of drainage and water distribution systems for travel trailer parks and mobile/manufactured home parks shall conform to the quality and weights of materials prescribed by this code.
Adopt	Section 1601.6, Installation.	Unless otherwise provided for in this Chapter, all plumbing fixtures, piping drains, appurtenances and appliances designed and used in the park drainage, water distribution system, and service connections shall be installed in conformance with the requirements of this code.
Adopt	Section 1601.7, Maintenance.	All devices or safeguards required by this Chapter shall be maintained in good working order by the owner, operator, or lessee of the travel trailer park or his designated agent.
Adopt	Section 1602, Service Buildings.	
Adopt	Section 1602.1, Service Buildings for Independent Travel Trailers.	Each travel trailer park which serves only independent travel trailers shall have at least one service building to provide necessary sanitation and laundry facilities. Each mobile/manufactured home park which also serves one or more independent travel trailers (in addition to mobile/manufactured homes) shall have at least one service building to provide necessary sanitation and laundry facilities. When a service building is required under this Section, it shall have a minimum of one water closet, one lavatory, one shower or bathtub for females and one water closet, one lavatory, and one shower or bathtub for males. In addition, at least one laundry tray or clothes washing machine and one drinking fountain located in a common area shall be provided.
Adopt	Exception	
		1. Temporary (six months) travel trailers residing in mobile home parks and or where more than one travel trailer resides for the purpose of employment and or hardships, may be exempted by the local jurisdiction building official from section.
Adopt	Section 1602.2, Service Building for Dependent Travel Trailers.	The service building(s) in travel trailer or mobile/manufactured home parks that also accommodate dependent travel trailers shall have a minimum of two water closets, one lavatory, one shower or bathtub for females, and one water closet, one lavatory, one urinal, and one shower or bathtub for males. In addition, at least one laundry tray or clothes washing machine and one drinking fountain located in a common area shall be provided. The above facilities are for a maximum of ten dependent travel trailers. For every ten additional dependent travel trailers (or any fraction thereof) the following additional fixtures shall be provided: one laundry tray or clothes washing machine, one shower or bathtub for each sex, and one water closet for females. Also, one additional water closet for males shall be provided for every 15 additional dependent travel trailers (or any fraction thereof).
Adopt	Section 1602.3, Service Building Design Requirements.	Each service building shall conform to Sections 1602.3.1 through 1602.3.3 of this code.
Adopt	Section 1602.3.1, Construction.	Every service building shall be of permanent construction with an interior finish of moisture resistant material which will stand frequent washing and cleaning and the building shall be well-lighted and ventilated at all times.
Adopt	Section 1602.3.2, Fixture Separation.	The laundry tray(s) and/or clothes washing machine(s) and drinking fountain(s) shall be located in a common area. None of these fixtures shall be located within any toilet room. Each water closet, tub and/or shower shall be in separate compartments with self-closing doors on all water closet compartments. The shower stall shall be a minimum of 3 x 3 feet (914 x 914 mm) in area, with a dressing compartment.
Adopt	Section 1602.3.3, Floor Drains.	A minimum 2-inch floor drain protected by and approved trap primer shall be installed in each toilet room and laundry room.
Adopt	Section 1603, Park Drainage System.	
Adopt	Section 1603.1, Separation of water and sewer lines.	The sewer main and sewer laterals shall be separated from the park water service and distribution system in accordance with Section 603.2 of this code.
Adopt	Section 1603.2, Minimum Size Pipe.	The minimum size pipe in any mobile/manufactured home park or travel trailer park drainage system shall be 4 inches. This includes branch lines or sewer laterals to individual travel trailers and mobile/manufactured homes.

Adopt	Section 1603.3, Fixture Units.	Each mobile/manufactured home and travel trailer shall be considered as 6 fixture units in determining discharge requirements in the design of park drainage and sewage disposal systems.
Adopt	Section 1603.4, Sewage Disposal/Treatment.	The discharge of a park drainage system shall be connected to a community sewerage system. Where a community sewerage system is not available, an approved commercial treatment facility or individual sewerage system shall be installed in accord with the requirements of LAC 51:XIII (Sewage Disposal).
Adopt	Section 1603.5, Manholes and Cleanouts.	Manholes and/or cleanouts shall be provided and constructed as required in Chapter 7 of this code. Manholes and/or cleanouts shall be accessible and brought to grade.
Adopt	Section 1603.6, Sewer Inlets.	Sewer inlets shall be 4-inch diameter and extend above Grade (G) 3 to 6 inches (76 to 152 mm). Each inlet shall be provided with a gas-tight seal when connected to a travel trailer or mobile/manufactured home and have a gas-tight seal plug for use when not in service.
Adopt	Section 1603.7, Drain Connections.	Drain connections shall slope continuously downward and form no traps. All pipe joints and connections shall be installed and maintained gastight and watertight.
Adopt	Section 1603.8, Waste.	No sewage, waste water, or any other effluent shall be allowed to be deposited on the surface of the ground.
Adopt	Section 1603.9, Testing the Park Drainage System.	Upon completion and before covering, the park drainage system shall be subjected to a static water test performed in accordance with Section 312 of this code.
Adopt	Section 1604, Water Supply and Distribution System.	
Adopt	Section 1604.1, General.	Every mobile/manufactured home and travel trailer site shall be provided with an individual branch water service line delivering potable water.
Adopt	Section 1604.2, Water Service Lines.	Water service lines to each travel trailer site shall be sized to provide a minimum of 8 gpm (0.505 L/s) at the point of connection with the trailer's water distribution system. Water service lines to each mobile/manufactured home site shall be sized to provide a minimum of 17 gpm (1.1 L/s) at the point of connection with the mobile/manufactured home's water distribution system. All water service lines shall be a minimum of 3/4 inch. A separate service shutoff valve shall be installed on each water service line. In instances where a backflow prevention device or assembly is installed on the water service line (see Section 608.16.23), the shutoff valve shall be located on the supply side of the device or assembly.
Adopt	Section 1604.3, Water Service Connections.	The water service connection from the water service line to the mobile/manufactured home or travel trailer site shall be not less than 1/2-inch diameter.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1) and Act836 of the 2014 of the Regular Louisiana Legislative Session.

HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshall, LR 41:2386 (November 2015), amended by the Department of Public Safety and Corrections, Office of State Fire Marshal, Uniform Construction Code Council, LR 42:1672 (October 2016), LR 44:81 (January 2018), repromulgated LR 45:919 (July 2019), amended LR 45:1794 (December 2019), LR 46:1611 (November 2020), amended LR 48:2589 (October 2022), LR 50:401 (March 2024), LR 50:405 (March 2024).

§113. *International Fuel Gas Code* (Formerly LAC 55:VI.301.A.6)

A. *International Fuel Gas Code* (IFCG), 2021 Edition, and the standards referenced in that code for regulation of construction within this state.

Amend	Section 310.3, Arc-resistant CSST.	This section applies to corrugated stainless steel tubing (CSST) that is *listed* with an arc-resistant jacket or coating system in accordance with ANSI LC 1/CSA 6.26. The CSST shall be electrically continuous and bonded to an effective ground fault current path.
Amend	Section 404.14, Piping Underground beneath Buildings,	*Piping* installed underground beneath buildings is prohibited except where the *piping* is encased in a conduit of wrought iron, plastic pipe, steel pipe, or other *approved* conduit material designed to withstand the superimposed loads. The conduit shall be protected from corrosion in accordance with Section 404.11 and shall be installed in accordance with Section 404.14.1 or 404.14.2.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1).

HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshall, LR 41:2387 (November 2015), amended by the Department of Public Safety and Corrections, Office of the State Fire Marshal, Uniform Construction Code Council, LR 44:94 (January 2018), repromulgated LR 45:931 (July 2019), amended LR 48:2606 (October 2022).

§115. *National Electric Code*
(Formerly LAC 55:VI.301.A.7)

A. *National Electric Code* (NEC), 2020 Edition, and the standards referenced in that code for regulation of construction in this state.

Amend	Article 210.8, Ground-Fault Circuit-Interrupter Protection For Personnel.	
Amend	Item (F) Outdoor Outlets	
Amend	Exception	
Adopt	Item (2)	Ground-fault circuit-interrupter protection shall not be required on HVAC equipment.
Adopt	Item (G) Areas where welders are operated	All 125-volt, 15- and 20-ampere receptacles, supplied by single-phase branch circuits rated 150 volts or less to ground, where welders are operated, for electrical hand tools or portable lighting equipment shall have ground-fault circuit interrupter protection for personnel.
Amend	210.52(C)(2) Island and Peninsular Countertops and Work Surfaces	
Amend		Receptacle outlets, if installed to serve an island or peninsular countertop or work surface, shall be installed in accordance with 210.52(C)(3). If a receptacle outlet is not provided to serve an island or peninsular countertop or work surface, provisions shall be provided at the island or peninsula for future addition of a receptacle outlet to serve the island or peninsular countertop or work surface. These provisions shall be a dedicated circuit.
Repeal	Item (a)	
Repeal	Item (b)	
Repeal		
Amend	210.52(C)(3) Receptacle Outlet Location	Receptacle outlets shall be located in one or more of the following:
Amend	Item 1	On or above, but not more than 500 mm (20 in.) above, a countertop or work surface.
Amend	Item 2	In a countertop using receptacle outlet assemblies listed for use in countertops.
Amend	Item 3	Below countertop or works surfaces: Not more than 300 mm (12 in.) below the countertop or work surface or in a work surface using receptacle outlet assemblies listed for use in work surfaces or listed for use in countertops
Adopt		Receptacles installed below a countertop or work surface shall not be located where the countertop or work surface extends more than 150 mm (6 in.) beyond its support base.
Adopt		Receptacle outlets rendered not readily accessible by appliances fastened in place, appliance garages, sinks, or rangetops as covered in 210.52(C)(1), Exception or appliances occupying assigned spaces shall not be considered as these required outlets.
Amend	230.67 Surge Protection	
Amend	230.67(A) Surge-Protective Device	
Adopt	Exception	Services for Manufactured Housing units shall not be required to be provided with a surge-protective device (SPD)
Amend	Article 230.71, Maximum Number of Disconnects.	
Adopt	Exception	
Adopt	Item (1)	All pre-existing, renovations, alterations, repairs, or substantial improvement services shall not be required to have only one disconnecting means. The service disconnecting means for these listed construction types shall consist of not more than six switches or sets of circuit breakers, or a combination of not more than six switches and sets of circuit breakers, mounted in a single enclosure, in a group of enclosures, or in or on a switchboard or in a switchgear. There shall not be more than six sets of disconnects per service grouped in any one location.
Amend	Article 230.85 Emergency Disconnects	A. For one- and two-family dwelling units, all service conductors shall terminate in disconnecting means having a short-circuit current rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. If more than one disconnect is provided, they shall be grouped. Each disconnect shall be one of the following:
	Item 1	Service disconnects marked as follows: EMERGENCY DISCONNECT, SERVICE DISCONNECT
	Item 2	Meter disconnects installed per 230.82(3) and marked as follows: EMERGENCY DISCONNECT, METER DISCONNECT, NOT SERVICE EQUIPMENT
	Item 3	Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows: EMERGENCY DISCONNECT, NOT SERVICE EQUIPMENT
		Markings shall comply with 110.21(B)
Adopt	Article 230.85(B) Identification of Other Isolation Disconnects	Where equipment for isolation of other energy source systems is not located adjacent to the emergency disconnect required by this section, an approved plaque or directory identifying the location of all equipment for isolation of other energy sources shall be located adjacent to the disconnecting means required by this section.
Adopt	Informational Note:	See 445.18, 480.7, 705.20, and 706.15 for examples of other energy source system isolation means.
Adopt	Article 230.85(C) Marking	
Adopt	Article 230.85(C)(1) Marking Text.	The disconnecting means shall marked as follows:
Adopt	Item 1	Service disconnect: EMERGENCY DISCONNECT, SERVICE DISCONNECT

Adopt	Item 2	Meter disconnects installed in accordance with 230.82(3) and marked as follows: EMERGENCY DISCONNECT, METER DISCONNECT, NOT SERVICE EQUIPMENT
Adopt	Item 3	Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are marked suitable for use as service equipment and marked as follows: EMERGENCY DISCONNECT, NOT SERVICE EQUIPMENT
Adopt	Article 230.85(C)(2) Marking Location and Size	Markings shall comply with 110.21(B) and both of the following:
Adopt	Item 1	The marking or labels shall be located on the outside front of the disconnect enclosure with red background and white text.
Adopt	Item 2	The letters shall be at least 13 mm (1⁄2 in.) high
Amend	Article 551.71 Type Receptacles Provided	
Amend	Item (F) GFCI Protection.	Ground-fault circuit-interrupter protection shall be provided as required in 210.8(B). GFCI protection shall not be required for other than 125-volt, 15- and 20-ampere receptacles used in the recreational vehicle site equipment. Informational Note No. 1: Appliances used within the recreational vehicle can create leakage current levels at the supply receptacle(s) that could exceed the limits of a Class A GFCI device. Informational Note No. 2: The definition of Power-Supply Assembly in 551.2 and the definition of Feeder in Article 100 clarifies that the power supply cord to a recreational vehicle is considered a feeder.
Adopt	Article 630.8 Ground-Fault Circuit-Interrupter Protection for Personnel.	All 125-volt, 15- and 20-ampere receptacles, supplied by single-phase branch circuits rated 150 volts or less to ground, where welders are operated, for electrical hand tools or portable lighting equipment shall have ground-fault circuit interrupter protection for personnel.
Amend	Article 702.2 Optional Standby Systems.	
Adopt	Article 702.2(D) Permanent mounted residential generators.	When a permanently mounted residential generator is installed it shall meet the manufacturer's installation instructions. Carbon Monoxide alarms shall be added and installed as per the International Residential Code Section R 315 amendment found in the Louisiana State Uniform Construction Code.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1).

HISTORICAL NOTE: Promulgated by the Department of Public Safety and Corrections, State Uniform Construction Code Council, LR 33:291 (February 2007), amended LR 34:93 (January 2008), LR 34:883 (May 2008), LR 34:2205 (October 2008), LR 35:1904 (September 2009), LR 36:2574 (November 2010), effective January 1, 2011, LR 37:601 (February 2011), LR 37:913 (March 2011), repromulgated LR 37:2187 (July 2011), repromulgated LR 37:2726 (September 2011), LR 37:3065 (October 2011), LR 38:1994 (August 2012), amended by the Department of Public Safety and Corrections, Uniform Construction Code Council, LR 39:1825 (July 2013), LR 39:2512 (September 2013), LR 40:2609 (December 2014), amended by the Department of Public Safety and Corrections, Office of State Fire Marshall, LR 41:2387 (November 2015), amended by the Department of Public Safety and Corrections, Office of the State Fire Marshal, Uniform Construction Code Council, LR 44:95 (January 2018), repromulgated LR 45:932 (July 2019), amended LR 48:2606 (October 2022), LR 50:413 (March 2012).

§117 International Energy Conservation Code (Formerly LAC 55:VI.301.A.7)

A. International Energy Conservation Code (IECC) 2021 Edition and standards referenced in that code for regulation of construction in this state.

Amend	Section C301.2 Warm Humid counties	All parishes in Louisiana shall be Climate Zone 2A warm humid climates.
Amend	Section C402.1.3 Insulation component *R*-value-based method	
Amend	Table C402.1.3 Opaque Thermal Envelope Insulation Component Minimum Requirements, *R*-Value Method[a]	
Adopt	Exception	For those following a prescriptive path the requirement for slab insulation for unheated slabs Group R, Climate Zone 3, shall not be required and the table shall be listed as NR under that column.
Amend	Section C402.5.9 Vestibules	
Amend	Exceptions	
Amend	Item 1	Buildings in *Climate Zones* 0 through 1.
Amend	Section C403.4.1	The supply of heating and cooling energy to each zone shall be controlled by individual thermostatic controls capable of responding to temperature within the zone. Where humidification or dehumidification or both is provided, not fewer than one humidity control device shall be provided for each humidity control system. Where cooling is provided, the system shall be capable of limiting relative humidity levels to 60% relative humidity. Supplemental dehumidification equipment may be used to meet this requirement."
Amend	Section C403.5 Economizers	
Amend	Item 2	Individual fan systems with cooling capacity greater than or equal to 65,000 Btu/h (15.8 kW) in buildings having other than a *Group R* occupancy,
Amend	Exception	
Amend	Item 1	Individual fan systems not served by chilled water for buildings located in Climate Zones 0A, 0B, 1A,1B,2A and 3A
Amend	Item 6	Systems that include a heat recovery system in accordance with Section C403.10.5 and Section C403.10.6

Amend	Section C403.5.3.3 High-limit shutoff	
Amend	Table C403.5.3.3 High-Limit Shutoff Control Setting For Air Economizers[b]	Remove Climate Zones 2A and 3A from the Fixed Dry Bulb Device Type
Amend	Section C403.7.4.2 Spaces other than nontransient dwelling units	
Amend	Exception	
Amend	Item 8	Where the total air exhausted from spaces served by an outdoor air system is less than 60% of the design outdoor air flow rate.
Amend	Section C403.7.6.1 Temperature setpoint controls	
Amend	Item 2	When the guestroom is unrented and unoccupied, the controls shall automatically raise the cooling setpoint to not lower than 78°F (27°C) and lower the heating setpoint to not higher than 60°F (16°C). Unrented and unoccupied guestroom mode shall be initiated within 16 hours of the guestroom being continuously occupied or where a networked guestroom control system indicates that the guestroom is unrented and the guestroom is unoccupied for more than 20 minutes. A networked guestroom control system that is capable of returning the thermostat setpoints to default occupied setpoints 60 minutes prior to the time a guestroom is scheduled to be occupied is not precluded by this section. Cooling that is capable of limiting relative humidity with a setpoint not lower than 65-percent relative humidity during unoccupied periods is not precluded by this section.
Repeal	Section C405.5.3 Gas Lighting	
Repeal	Section C405.11 Automatic receptacle control	
Repeal	Section C405.11.1 Automatic receptacle control	
Adopt	Residential Provisions	
Amend	Section R102.1.1 Above code programs	The code official serving as the authority having jurisdiction for building codes, shall be permitted to deem a national or state energy-efficiency program to exceed the energy efficiency required by this code. Buildings approved in writing by such an energy-efficiency program shall be considered to be in compliance with this code. The requirements identified in Table N1105.2, as applicable, shall be met and the building thermal envelope is greater than or equal to levels of efficiency and solar heat gain coefficients (SHGC) in Tables 402.1.1 and 402.1.3 of the 2009 International Energy Conservation Code.
Adopt	Section R102.1.2 National Green Building Standard	Buildings complying with ICC 700-2020 National Green Building Standard and achieving an equivalent energy performance as demonstrated by a third-party certification organization shall be deemed to exceed the energy efficiency required by this code.
Adopt	Section R102.1.3 Energy Star Certification	Buildings receiving Energy Star Certification shall be deemed to exceed the energy efficiency required by this code.
Repeal	Section R103.2 Information on Construction Documents	
Amend	Section R301.1 Climate Zones	Climate zones from Figure N1101.7 or Table N1101.7 shall be used for determining the applicable requirements in Sections N1101 through N1113. Locations not indicated in Table N1101.7 shall be assigned a climate zone in accordance with Section N1101.7.2. However, for energy purposes only, all of Louisiana shall be a climate zone 2A. East and West Carroll parishes shall be assigned a warm humid climate zone.
Adopt	Section R401.3 Louisiana Insulation Certificate requirement.	A State of Louisiana Insulation Certificate shall be permanently posted in a utility area.
Adopt	Section R401.3.1 Louisiana Insulation Certificate Template.	

State of Louisiana Insulation Certificate
(Permanently attach this certificate in a utility area near the Energy Efficiency Certificate)

Date Installed _____
Permit Number _____

Area Insulated	Total R-value		Installed Thickness (3.5, 5.5, etc.)	Spray Foam Density (lbs./ft.^{3})	Ignition Barrier Provided (Y/N)	Thermal Barrier (Y/N)
Attic roofline (under sheathing)		at	inches			
Attic floor (above ceilings)		at	inches			
Cathedral ceiling		at	inches			
Exterior Walls		at	inches			
Knee walls		at	inches			
Band joist (between levels)		at	inches			
Under first floor (in crawl space)		at	inches			
Basement/crawl space walls		at	inches			

Jobsite Address	
General Contractor License No.	
Insulation Contractor (firm)	
Installer/Applicator Name	
Product Manufacturer(s)	
Product Name(s) & batch no.	

Supplemental Packet Contents:	Uploaded to permitting office (X)	Copy to General Contractor (X)	Copy to Homeowner (X or No Owner)
Insulation Certificate (copy)			
Insulation MSDS or Finished Foam Safety Data Sheets (SDS)			
Product Technical Data Sheets			
Spray Foam Applicator's Training Certificate (from manufacturer or SPFA)			
Performance Testing Report (blower door) with name of 3rd party provider			

Amend	Section R401.2 Application	Residential buildings shall comply with Section N1101.13.1, N1101.13.2, N1101.13.3 or N1101.13.4.
Repeal	Section R401.2.5	
Amend	Table R402.1.2	

Table R402.1.2
Maximum Assembly *U*-Factor[a] and Fenestration Requirements

Climate Zone	Fenestration *U*-Factor[f]	Sky-Light *U*-Factor	Glazed Fenestration SHGC[d, e]	Ceiling *U*-Factor	Wood Frame Wall *U*-Factor	Mass Wall *U*-Factor[b]	Floor *U*-Factor	Basement Wall *U*-Factor	Crawl Space Wall *U*-Factor
0	0.50	0.75	0.25	0.035	0.084	0.197	0.064	0.360	0.477
1	0.50	0.75	0.25	0.035	0.084	0.197	0.064	0.360	0.477
2	0.40	0.65	0.25	0.030	0.084	0.165	0.064	0.360	0.477
3	0.30	0.55	0.25	0.030	0.060	0.098	0.047	0.091[c]	0.136
4 except Marine	0.30	0.55	0.40	0.024	0.045	0.098	0.047	0.059	0.065
5 and Marine 4	0.30	0.55	NR	0.024	0.045	0.082	0.033	0.050	0.055
6	0.30	0.55	NR	0.024	0.045	0.060	0.033	0.050	0.055
7 and 8	0.30	0.55	NR	0.024	0.045	0.057	0.028	0.050	0.055

For SI: 1 foot = 304.8 mm.
a. Nonfenestration *U*-factors shall be obtained from measurement, calculation or an approved source.
b. Mass walls shall be in accordance with Section R402.2.5. Where more than half the insulation is on the interior, the mass wall *U*-factors shall not exceed 0.17 in Climate Zones 0 and 1, 0.14 in Climate Zone 2, 0.12 in Climate Zone 3, 0.087 in Climate Zone 4 except Marine, 0.065 in Climate Zone 5 and Marine

4, and 0.057 in Climate Zones 6 through 8.
c. In Warm Humid locations as defined by Figure R301.1 and Table R301.1, the basement wall *U*-factor shall not exceed 0.360.
d. The SHGC column applies to all glazed fenestration.
Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.
e. There are no SHGC requirements in the Marine Zone.
f. A maximum *U*-factor of 0.32 shall apply in Marine Climate Zone 4 and Climate Zones 5 through 8 to vertical fenestration products installed in buildings located either:
1. Above 4,000 feet in elevation above sea level, or
2. In windborne debris regions where protection of openings is required by Section R301.2.1.2 of the *International Residential Code*.

Amend	Table R402.1.3	

Climate Zone	Fenestration *U*-Factor[b, I]	Skylight[b] *U*-Factor	Glazed Fenestration SHGC[b, e]	Ceiling *R*-Value	Wood Frame Wall *R*-Value[g]	Mass Wall *R*-Value[h]	Floor *R*-Value	Base-Ment[c,G] Wall *R*-Value	Slab[d] *R*-Value & Depth	Crawl Space[c,G] Wall *R*-Value
0	NR	0.75	0.25	30	13 or 0 & 10ci	3/4	13	0	0	0
1	NR	0.75	0.25	30	13 or 0 & 10ci	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13 or 0 & 10ci	4/6	13	0	0	0
3	.30	0.55	0.25	38	13 or 0 & 10ci	8/13	19	5ci or 13[f]	0	5ci or 13[f]
4 except Marine	.30	0.55	0.40	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	8/13	19	10ci or 13	10ci, 4 ft	10ci or 13
5 and Marine 4	0.30[i]	0.55	0.40	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	13/17	30	15ci or 19 or 13 & 5ci	10ci, 4 ft	15ci or 19 or 13 & 5ci
6	0.30[i]	0.55	NR	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	15/20	30	15ci or 19 or 13 & 5ci	10ci, 4 ft	15ci or 19 or 13 & 5ci
7 and 8	0.30[i]	0.55	NR	60	30 or 20 & 5ci[h] or 13 & 10ci or 0 & 20ci[h]	19/21	38	15ci or 19 or 13 & 5ci	10ci, 4 ft	15ci or 19 or 13 & 5ci

Table R402.1.3
Insulation Minimum *R*-Values and Fenestration Requirements By Component[a]

For SI: 1 foot = 304.8 mm. NR = Not Required.
ci = continuous insulation.
a. R-values are minimums. U-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed R-value of the insulation shall be not less than the R-value specified in the table.
b. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.
c. “5ci or 13” means R-5 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "10ci or 13" means R-10 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "15ci or 19 or 13 + 5ci" means R-15 continuous insulation (ci) on the interior or exterior surface of the wall; or R-19 cavity insulation on the interior side of the wall; or R-13 cavity insulation on the interior of the wall in addition to R-5 continuous insulation on the interior or exterior surface of the wall.
d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation R-value for slabs. as indicated in the table. The slab-edge insulation for heated slabs shall not be required to extend below the slab.
e. There are no SHGC requirements in the Marine Zone.
f. Basement wall insulation is not required in Warm Humid locations as defined by Figure R301.1 and Table R301.1.
g. The first value is cavity insulation; the second value is continuous insulation. Therefore, as an example, “13 + 5” means R-13 cavity insulation plus R-5 continuous insulation.
h. Mass walls shall be in accordance with Section R402.2.5. The second R-value applies where more than half of the insulation is on the interior of the mass wall.
i. A maximum U-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:
1. Above 4,000 feet in elevation, or
2. In windborne debris regions where protection of openings is required by Section R301.2.1.2 of the International Residential Code.

Amend	Section R402.2.1, Ceilings with attics	
Adopt	Exception	
	Item (1.)	(1.) When the thermal covering at the roof line creates an unvented attic: (a.) Proper sizing or modification of the HVAC system to the current code is required. (b.) Any insulation between the sealed, conditioned attic space and the living space must be removed.
Adopt	Item (2.)	(2.)(a) The space under appliances located in a sealed, conditioned attic may remain in place if sealed from the attic space, it is less than 10% of the total conditioned attic floor, and the appliances are approved for use in a sealed attic. (b.) There shall be no outside attic ventilation and all openings must be blocked with rigid material and are sealed, in accordance with the ICC IRC Chapter 8 “Roof-Ceiling Construction

Amend	Section R402.2.3 Eave Baffle	For air-permeable insulation in vented attics, a baffle shall be installed adjacent to soffit and eave vents. Baffles shall maintain an opening equal ~~to~~ or greater than the size of the vent. The baffle shall extend over the top of the attic insulation. The baffle shall be permitted to be any solid material.
Amend	Section R402.2.7 Floors	
Repeal		Subfloor insulation shall provide or be installed in permanent contact with a rigid air barrier material. If the building is cooled with air conditioning subfloors in any vented crawl space shall be insulated with an airtight, class II vapor retarder insulation system (perm < 1.0).
Adopt	Exception	
Adopt	Item (1.)	(1.) Plastic Spray Foam cannot be applied to finish flooring where no subfloor exists.
Repeal	Section R402.4.1.1 Installation.	
Amend	Section R402.4.1.2 Testing	Effective July 1, 2024, blower door testing shall be performed by individuals certified to perform blower door tests by a nationally recognized organization that trains and provides certification exams for the proper procedures to perform such tests. The building or dwelling unit shall be tested for air leakage. The maximum air leakage rate for any building or dwelling unit under any compliance path shall not exceed 7.0 air changes per hour or 0.28 cubic feet per minute (CFM) per square foot [0.0079 m3/(s × m2)] of dwelling unit enclosure area. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380, ASTM E779 or ASTM E1827 and reported at a pressure of 0.2 inch w.g. (50 Pascals). The responsible BCEO shall accept written blower door test reports from these certified individuals to verify the minimum requirements of Section N1102.4.1.2. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope have been sealed. Where multiple dwelling units or other occupiable conditioned spaces are contained within one building thermal envelope, each unit shall be considered an individual testing unit, and the building air leakage shall be the weighted average of all testing unit results, weighted by each testing unit's enclosure area. Units shall be tested separately with an unguarded blower door test as follows:
Adopt	Item (1.)	(1).Where buildings have fewer than eight testing units, each testing unit shall be tested.
Adopt	Item (2.)	(2) For buildings with eight or more testing units, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a ground floor unit and a unit with the largest testing unit enclosure area. For each tested unit that exceeds the maximum air leakage rate, an additional two units shall be tested, including a mixture of testing unit types and locations**.**
Amend	Exception	When testing individual dwelling units, an air leakage rate not exceeding 0.30 cubic feet per minute per square foot [0.008 m3/(s × m2)] of the dwelling unit enclosure area, tested in accordance with ANSI/RESNET/ICC 380, ASTM E779 or ASTM E1827 and reported at a pressure of 0.2 inch water gauge (50 Pa), shall be permitted in all climate zones for: 1. Attached single- and multiple-family building dwelling units. 2. Buildings or dwelling units that are 1,500 square feet (139.4 m2) or smaller. Effective July 1, 2024, when a blower door test is performed, and the air infiltration rate of a dwelling unit is less than 3 air changes per hour when tested in accordance with Section N1102.4.1.2, the dwelling unit shall be provided with whole- house mechanical ventilation in accordance with Section M1507.3
Amend	Section R402.4.1.3 Leakage Rate	Where complying with Section N1101.13.1, the building or dwelling unit shall have an air leakage rate not exceeding 7.0 air changes per hour in Climate Zones 0, 1 and 2, and 7.0 air changes per hour in Climate Zones 3 through 8, when tested in accordance with Section N1102.4.1.2.
Amend	Section R402.4.4 Rooms containing fuel-burning appliances.	In Climate Zones 2 through 8, where open combustion air ducts provide combustion air to open combustion fuel-burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room that is isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table N1102.1.3, where the walls, floors and ceilings shall meet a minimum of the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section N1103. The combustion air duct shall be insulated where it passes through conditioned space to an R-value of not less than R-8.
Repeal	Section R402.4.6 Electrical and communication outlet boxes (air-sealed boxes)	
Amend	Section R403.3.1 Ducts located outside conditioned space	Supply and return ducts located outside conditioned space shall be insulated to an R-value of not less than R-8.
Amend	Section 403.3.2 Ducts located in conditioned space.	
Amend	Item 3.3	A minimum 10 insulation installed in the cavity width separating the duct from unconditioned space
Amend	Section R403.3.3 Ducts buried within ceiling insulation.	In Climate zone 2A Supply and Return ductwork shall not be buried in insulation
Repeal	Item 1	
Repeal	Item 2	
Repeal	Item 3	
Amend	Section R403.3.5 Duct Testing	Duct leakage testing shall be performed by individuals certified to perform duct leakage tests by a nationally recognized organization that trains and provides certification exams for the proper procedures to perform such tests. The responsible BCEO shall accept written duct leakage test reports from these certified individuals to verify the minimum sealing requirements of Section N1103.3.4. Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 or ASTM E1554 to determine air leakage by one of the following methods:

Amend	Exceptions	
Repeal		A duct air-leakage test shall not be required for ducts serving heating, cooling or ventilation systems that are not integrated with ducts serving heating or cooling systems.
Adopt	Item (1.)	(1.) A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
Adopt	Item (2.)	(2.) HVAC contractors, who are not certified to perform duct leakage tests, may perform the test with the responsible BCEO visually verifying test procedures and results on site.
Amend	Section R403.3.6 Duct Leakage	
Amend	Item (1.)	(1.) Rough-in test: The total leakage shall be less than or equal to 6.0 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m2) of conditioned floor area where the air handler is installed at the time of the test. Where the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 4.0 cubic feet per minute (85 L/min) per 100 square feet (9.29 m2) of conditioned floor area.
Amend	Item (2.)	(2.) Post construction test: Total leakage shall be less than or equal to 8.0 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m2) of conditioned floor area or leakage to outside shall be less than or equal to 4 cfm per 100 sq feet of conditioned floor area.
Repeal	Item (3.)	
Amend	Section R403.3.7 Building Cavities	Building framing cavities directly adjacent to and within the building thermal envelope shall not be used as ducts or plenums.
Amend	Section R403.6 Mechanical Ventilation	The buildings complying with Section N1102.4.1 providing mechanical ventilation shall comply with the requirements of Section M1505 or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.
Amend	Section R404.1 Lighting equipment	All permanently installed lighting fixtures, excluding kitchen appliance lighting fixtures, shall contain only high-efficacy lighting sources not less than 90 percent of the permanently installed lighting fixture.
Repeal	Section R404.1.1 Exterior Lighting	
Repeal	Section R404.2 Interior lighting controls	
Repeal	Section R404.3 Exterior Lighting controls	
Amend	Section R406.2ERI Compliance	
Repeal	Item (1.)	(1.) The requirements of the sections indicated within Table N1106.2
Amend	Section R406.3.2 On-site renewables are included	Where on-site renewable energy is included for compliance using the ERI analysis of Section N1106.4, the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.1 or R402.1.3 of the 2009 International Energy Conservation Code.
Amend	Section R406.4 Energy Rating Index	The Energy Rating Index (ERI) shall be determined in accordance with RESNET/ICC 301 Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design.
Amend	Section R406.5 HERS-based compliance	Compliance based on an HERS analysis requires that the rated proposed design and confirmed built dwelling be shown to have an HERS less than or equal to the value of 58.
Adopt	Exceptions	
Adopt	Item (1.)	(1.)HERS calculation method shall be an equivalent to the ERI analysis in calculating compliance
Adopt	Item (2.)	(2.)Other alternate means of home energy rating as approved by the building official

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:1730.22(C) and (D) and 40:1730.26(1).

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