

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	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 <i>International Residential Code</i> 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 <i>International Residential Code</i> 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 R315.2.1, New Construction.	
Adopt	Item (3)	The dwelling unit utilizes a permanent fuel fired appliance including a standby generator is installed outside. Carbon Monoxide alarms are to be installed inside of each separated sleeping room and one in the living area.
Amend	Section 315.2.2, Alterations repairs and additions.	
Adopt	Item (4)	When a permanent fuel fired appliance including a standby generator is installed outside. Carbon monoxide alarms are to be installed inside of each separate sleeping room and one in the living area.
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

Title 17, Part I

		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 R322.2.1, 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. 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
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	Section R322.2.1, 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. 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
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	Section R322.2.1, 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. 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
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	Section R322.2.1, 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. 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
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	Section R322.2.1, 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. 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
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	Section R322.2.1, 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. 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
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	Section R322.2.1, 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. 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
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

CONSTRUCTION

		local building official.
Amend	Section 905.1.2, Ice Barriers.	An ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles and wood shakes. The ice barrier shall consist of not fewer than two layers of <i>underlayment</i> cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal <i>underlayment</i> and extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside the exterior wall line of the building. On roofs with slope equal to or greater than 8 units vertical in 12 units horizontal (67-percent slope), the ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.
Amend	Section R905.2.7, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section R905.4.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section R905.5.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section R905.6.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section R905.7.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section 905.8.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section 905.16.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section 905.17.3.1, Ice Barrier.	Ice barriers shall comply with Section R905.1.2.
Amend	Section R905.17.4, Ice Barrier.	An ice barrier that consists of not less than two layers of <i>underlayment</i> cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal <i>underlayment</i> and extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside the exterior wall line of the building.
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.	

Title 17, Part I

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 3 rd 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	

CONSTRUCTION

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,1}	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 ^{e,g} Wall R-Value	Slab ^d R-Value & Depth	Crawl Space ^{e,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 19 or 13 & 5ci

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

Title 17, Part I

<p>a. <i>R</i>-values are minimums. <i>U</i>-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 <i>R</i>-value of the insulation shall be not less than the <i>R</i>-value specified in the table.</p> <p>b. The fenestration <i>U</i>-factor column excludes skylights. The SHGC column applies to all glazed fenestration.</p> <p>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.</p> <p>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.</p> <p>d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation <i>R</i>-value for slabs, as indicated in the table. The slab-edge insulation for heated slabs shall not be required to extend below the slab.</p> <p>e. There are no SHGC requirements in the Marine Zone.</p> <p>f. Basement wall insulation shall not be required in Warm Humid locations as defined by Figure N1101.7 and Table N1101.7.</p> <p>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.</p> <p>h. Mass walls shall be in accordance with Section N1102.2.5. The second <i>R</i>-value applies where more than half of the insulation is on the interior of the mass wall.</p> <p>i. A maximum <i>U</i>-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:</p> <ol style="list-style-type: none"> 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 m ³ /(s × m ²)] 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 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 m ³ /(s × m ²)] 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 m ²) 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 7.0 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.

CONSTRUCTION

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 m ²) 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 m ²) 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 m ²) 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 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 N1106.2 ERI 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.

Title 17, Part I

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.	

CONSTRUCTION

Amend	Section P2725.1	
Adopt	Exception	
Adopt	Item (1.)	(1). Compost toilets are prohibited.
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.	<p>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.</p> <p>i. Exception: The lead free requirement above shall not apply to:</p> <p>(a.) leaded joints necessary for the repair of existing cast iron pipes;</p> <p>(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</p> <p>(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.</p>
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) plastic	ASTM D2468
Brass	ASTM F1974
Cast-iron	ASME B16.4; 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;ASMEB16.15; ASME B 16.18; ASME B 16.22; AS ME B 16.26
Cross-linked polyethylene/aluminumhigh-density polyethylene (PEX-AL-HDPE)	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 1 59; ASTM F 2434; ASTM F 2735; CSA B 137.5
Gray iron and ductile iron	AWWACIIO;AWWACI53
Malleable iron	ASMEB16.3
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 B137.9; 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 (PP) plastic pipe or tubing	ASTM F 2389; CSA B 137.11
Polyvinyl chloride (PVC) 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 B16.11; ASMEB16.28

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.

CONSTRUCTION

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 P3005.6, 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