Title 17
CONSTRUCTION
Part I. Uniform Construction Code

Chapter 1. Adoption of the *Louisiana State Uniform Construction Code*
(Formerly LAC 55:VI.Chapter 3)
§107. *International Residential Code*
(Formerly LAC 55:VI.301.A.3.a)

A.1. …

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 ~~or local~~ 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 19 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 ~~spaces~~.	
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.~~6~~ 7, Floors.	
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 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 ~~appropriate~~ 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.

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 41:2383 (November 2015), amended LR 42:1672 (October 2016), amended by the Department of Public Safety and Corrections, Office of the State Fire Marshal, 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:

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

A. …….

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:

§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	In Table C301.1, Warm Humid counties are identified by an asterisk but East Carroll and West Carroll shall be listed as Climate Zone 2A Hot Humid Climate
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	
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	Secction R102.1.3 Energy Star Certification	Buildings receiving Energy Star Certification shall be deemed to exceed the energy efficiency required by this code.
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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 _____

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Basement/crawl space walls		at	inches			

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

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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 ~~N1101.13.5 and~~ 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	

TABLE 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	.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

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 Foors	
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	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 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 ~~5.0~~ 7.0air changes per hour in Climate Zones 0, 1 and 2, and ~~3.0~~ 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 ~~3~~ 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)	
Repeal	Section R402.2.4, Access Hatches and Doors.	
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 4.0cubic 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 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).

Amend	Section C301.2 Warm Humid counties	In Table C301.1, Warm Humid counties are identified by an asterisk but East Carroll and West Carroll shall be listed as Climate Zone 2A Hot Humid Climate
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 ~~2.~~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 ~~54,000~~ 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 ~~and~~ ,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 ~~largest source of air exhausted at a single location at the building exterior is less than 75 percent of the design *outdoor air* flow rate.~~ 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 ~~80~~ 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	~~Gas-fired lighting appliances shall not be equipped with continuously burning pilot ignition systems.~~
Adopt	Residential Provisions	
Amend	Section R102.1.1 Above code programs	The code official ~~or other authority having jurisdiction~~ serving as the authority having jurisdiction for building codes, shall be permitted to deem a national or state ~~or local~~ 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	Secction 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 ~~N1101.13.5 and~~ 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	0.0~~26~~30	0.084	0.165	0.064	0.360	0.477
3	0.30	0.55	0.25	0.0~~26~~30	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	FENESTRA-TION *U*-FACTOR[b, i]	SKYLIGHT[b] *U*-FACTOR	GLAZED FENESTRA-TION SHGC[b, e]	CEILING *R*-VALUE	WOOD FRAME WALL *R*-VALUE[g]	MASS WALL *R*-VAL-UE[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	~~49~~38	13 or 0 & 10ci	4/6	13	0	0	0

3	.30	0.55	0.25	~~49~~38	~~20 or 13 & 5ci[h] or 0 &15ci[h]~~ 13 or 0 & 10ci	8/13	19	5ci or 13[f]	~~10ci, 2 ft~~ 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 ~~spaces~~.	
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. ~~(c.) Exception: 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.~~ ~~(d.) 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".~~
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~~ a net free area~~ 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. ~~The baffle shall extend over the top of the attic insulation. The baffle shall be permitted to be any solid material. The baffle shall be installed to the outer edge of the exterior wall top plate so as to provide maximum space for attic insulation coverage over the top plate. Where soffit venting is not continuous, baffles shall be installed continuously to prevent ventilation air in the eave soffit from bypassing the baffle.~~
Amend	Section R402.2.7, Floors.	~~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	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). ~~Where required by the code official, testing shall be conducted by an approved third party~~. 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. ~~Mechanical ventilation shall be provided in accordance with Section M1505 of this code or Section 403.3.2 of the International Mechanical Code, as applicable, or with other approved means of ventilation.~~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 ~~5.0~~ 7.0air changes per hour in Climate Zones 0, 1 and 2, and ~~3.0~~ 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 ~~3~~ 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~~ Repeal	Section R402.2.4, Access Hatches and Doors.	~~Access doors from conditioned spaces to unconditioned spaces shall be weather-stripped and have a minimum insulation value of an R-4.~~
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. ~~for ducts 3 inches (76 mm) in diameter and larger and not less than R-6 for ducts smaller than 3 inches (76 mm) in diameter. Ducts buried beneath a building shall be insulated as required by this section or have an equivalent thermal distribution efficiency. Underground ducts utilizing the thermal distribution efficiency method shall be listed and labeled to indicate the R-value equivaleney.~~
Amend	Section 403.3.2 Ducts located in conditioned space.	
Amend	Item 3.3	A minimum R-~~19~~ 10 insulation installed in the cavity width separating the duct from unconditioned space
Amend	Section R403.3.3 Ducts buried within ceiling insulation.	~~Where supply and return air ducts are partially or completely buried in ceiling insulation, such ducts shall comply with all of the following:~~ In Climate zone 2A Supply and Return ductwork shall not be buried in insulation
Repeal	Item 1	~~1.The supply and return duct shall have an insulation R-value not less than R-8.~~
Repeal	Item 2	~~2.At all points along each duct, the sum of the ceiling insulation R-values against and above the top of the duct, and against and below the bottom of the duct shall be not less than R-19, excluding the R-value of the duct insulation.~~
Repeal	Item 3	~~3.In Climate Zones 0A, 1A, 2A and 3A, the supply ducts shall be completely buried within ceiling insulation, insulated to an R-value of not less than R-13 and in compliance with the vapor retarder requirements of Section M1601.4.6.~~
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	~~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 ~~4.0~~ 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 ~~3.0~~ 4.0cubic 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 ~~4.0~~ 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 shall not be used as ducts or plenums.
Amend	Section R403.6 Mechanical Ventilation	The buildings complying with Section N1102.4.1 ~~shall be provided with~~ providing mechanical ventilation ~~that complies~~ 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 ~~N1102.1.2, or Table R402.1.4 of the 2018~~ 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 ~~except that the ERI reference design ventilation rate shall be in accordance with Equation 11-5.~~ 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. ~~For compliance purposes, any reduction in energy use of the rated design associated with on-site renewable energy shall not exceed 5 percent of the total energy use.~~
Amend	Section R406.5 HERS-based compliance	Compliance based on an ~~ERI~~ HERS analysis requires that the rated proposed design and confirmed built dwelling be shown to have an ~~ERI~~ HERS less than or equal to the ~~appropriate~~ value of 58. ~~indicated in Table N1106.5 when compared to the ERI reference design.~~of
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).