Proposed Amendments (added text to the code is: underlined, deleted text to the code is: ~~struck through~~)

ITEM NUMBER	ARTICLE	SUMMARY	PROPONENT	ACTION
		Proposed		
IRC-2023-1 2023 ERB Amendments submittals and Support P1	**M1402.1**	Revise section M1402 to read as follows Section M1402 Central Furnaces M1402.1 General Oil-fired central furnaces shall conform to ANSI/UL 727. Electric furnaces shall conform to UL 1995 or UL/CSA/ANCE 60335-2-40.	Robert Glass	**Dfr**
IRC-2023-2 2023 ERB Amendments submittals and Support P3	**M1403.1**	Revise section M1403 to read as follows Section M1403 Heat Pump Equipment M1403.1 Heat pumps Electric heat pumps shall be listed and labeled in accordance with UL 1995 or UL/CSA/ANCE 60335-2-40.	Robert Glass	**Dfr**
IRC-2023-3 2023 ERB Amendments submittals and Support P7	**M1412.1**	Revise section 'M1412.1 Approval of equipment' to read as follows: Section M1412 Absorption Cooling Equipment 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/ANCE 60335-2-40.	Robert Glass	**Dfr**

IRC-2023-4 2023 ERB Amendments submittals and Support P10	M1413.1	Revise section M1413.1 'General.' to read as follows: Section M1413 Evaporative Cooling Equipment M1413.1 General Evaporative cooling equipment and appliances shall comply with UL 1995 or UL/CSA/ANCE 60335-2-40 and shall be installed:	Robert Glass	**Dfr**
IRC-2023-5 2023 ERB Amendments submittals and Support P13	M2006.1	Revise section M2006.1 'General.' to read as follows: Section M2006 Central Furnaces 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 12161. Pool and spa heat pump water heaters shall comply with UL 1995, UL/CSA/ANCE 60335-2-40 or CSA C22.2 No. 236.	Robert Glass	**Dfr**
IRC-2023-6 2023 ERB Amendments submittals and Support P16	Chapter 44	Revise Chapter 44 Reference Standards to read as follows: ~~**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~~	Robert Glass	**Dfr**

		ASHRAE ASHRAE 1791 Tullie Circle NE Atlanta, GA 30329 34 ~~2016~~ 2019: Designation and Safety Classification of Refrigerants M1411.1 **CSA** CSA Group 8501 East Pleasant Valley Road Cleveland, OH 44131- 5516 ~~CAN/~~CSA/C22.2 No. 60335-2-40 ~~2012~~2019 Safety of Household and Similar Electric~~al~~ Appliances, Part 2-40: Particular Requirements for Electric~~al~~ Heat Pumps, Air-Conditioners and Dehumidifiers M1402.1, M1403.1, M1412.1, M1413.1, M2006.1 **UL** UL LLC 333 Pfingsten Road Northbrook, IL 60062 1995 ~~2011~~2015 Heating and Cooling Equipment		

		~~- with revisions through July 2015~~ M1402.1, M1403.1, ~~M1407.1~~, M1412.1, M1413.1, M2006.1 UL/~~CSA/ANCE~~ 60335-2-40— ~~2012~~2019 Standard for Household and Similar Electrical Appliances – Safety -, Part 2-40: Particular Requirements for ~~Motor compressors~~ Electrical Heat Pumps, Air-Conditioners and Dehumidifiers M1402.1, M1403.1, M1412.1, M1413.1, M2006.1		
IECC-2023-7 2023 ERB Amendments submittals and Support P21 Opposition P23		Add new definition to section R202 Air-Impermeable Insulation: An insulation that functions as an air barrier or an insulation combined with a atomized sealant-based system that functions as an air barrier.	Joel Martell	**D**
IECC-2023-8 2023 ERB Amendments submittals and Support P24		Add footnote "j" to Table 402.1.2 requiring cantilevered floors over outside air to be insulated to R-30. Revise Table Header Floor *R*-Value[j] j-Cantilevered floors over outside air shall be R-30 and the band area above the supporting wall shall be blocked; penetrations of blocking shall be air sealed.	Mike Barcik, Southface, Bettie Sleeth & Tim Williams - HBAG	**A**

IECC-2023-9 2023 ERB Amendments submittals and Support P24		Add footnote "j" to Table 402.1.4 requiring cantilevered floors over outside air to be maximum U-factor of 0.035. Revise Table Header Floor *U*-Factor[j] j-Cantilevered floors over outside air shall be U-0.035 and the band area above the supporting wall shall be blocked; penetrations of blocking shall be air sealed.	Mike Barcik, Southface, Bettie Sleeth & Tim Williams - HBAG	**A**
IECC-2023-10 2023 ERB Amendments submittals and Support P24		Add sentence to Appendix RA Georgia Insulation Installation – Passing Grade Details (p.45): **Underfloor insulation** that makes up portions of the building thermal envelope shall be installed to Passing Grade quality.Two criteria affect installed insulation grading: **voids/ gaps** (in which no insulation is present in a portion of the overall insulated surface) and **compression/incomplete fill** (in which the insulation does not fully fill out or extend to the desired depth). Cantilevered floors over outside air shall be R-30 and the band area above the supporting wall shall be blocked; penetrations of blocking shall be air sealed.	Mike Barcik, Southface, Bettie Sleeth & Tim Williams - HBAG	**A**
IECC-2023-11 Georgia Amendments 2023 ERB Amendments submittals and Support P26		**Revise as Follows** **R402.4.1.2 Testing.** All one and two-family dwelling units permitted on or after January 1, 2023 shall be tested and verified to less than 4.0 air changes per hour at 50 Pascals (ACH50); all one and two-family dwelling units permitted on or after January 1, 2024 shall be tested and verified to less than 3.0. Testing shall be conducted in accordance with ASTM E 779 or ASTM E 1827 or ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). 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*. Testing shall be conducted by a *certified duct and envelope tightness (DET) verifier*. (Remainder of section left unchanged)	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**

IECC-2023-12 ASHRAE 90.1 2023 ERB Amendments submittals and Support P28		Amend this section of 2015 IECC (similar language applies to ASHRAE 90.1-2013): **C402.5 Air leakage—thermal envelope (Mandatory).** The *thermal envelope* of buildings not classified as type R-2 shall comply with Sections C402.5.1 through C402.5.8, or the building *thermal envelope* shall be tested in accordance with ASTM E 779 at a pressure differential of 0.3 inch water gauge (75 Pa) or an equivalent method approved by the code official and deemed to comply with the provisions of this section when the tested air leakage rate of the building thermal envelope is not greater than 0.40 cfm/ft$_2$ (0.2 L/s · m$_2$). Where compliance is based on such testing, the building shall also comply with Sections C402.5.5, C402.5.6 and C402.5.7.	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IECC-2023-13 ASHRAE 90.1 2023 ERB Amendments submittals and Support P28		Add new section of 2015 IECC (similar also applies to ASHRAE 90.1-2013): **C402.5 Air leakage—thermal envelope for Mid-rise multifamily (Mandatory).** The *thermal envelope* of buildings shall comply with Sections C402.5-MF and C402.5.1-MF **C402.5-MF multifamily dwelling testing (Mandatory).** All commercial type R-2 multifamily dwellings (regardless of number of stories of dwelling units) shall be tested to less than 5.0 air changes per hour at 50 Pascals (ACH50). As an alternative to ACH50, compliance for commercial type R-2 dwellings may be attained by achieving an Envelope Leakage Ratio at 50 Pascals (ELR50) of less than 0.30 (ELR50 < 0.30, where ELR50 = CFM50 / Envelope Shell Area, in square feet).	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IECC-2023-14 ASHRAE 90.1 2023 ERB Amendments submittals and Support P28		*Add a new Section C402.5.1MF 'Low-rise multifamily testing protocol (Optional)' to read as follows: **C402.5.1-MF multifamily testing protocol (Optional).** Commercial type R-2 multifamily dwellings (regardless of number of stories of dwelling units) may (optionally) employ either one or both of the following testing protocols: 1. Utilize multiple fans in adjacent units (commonly referred to as Guarded Blower Door testing) to minimize effect of leakage to adjacent units (not required). 2. Envelope testing of less than 100 percent shall be acceptable assuming a maximum sampling protocol of 1 in 4 dwelling units per floor (if sampled unit passes, the remaining up to three units are deemed to comply; if sampled unit fails, it must be sealed and retested and the remaining up to three units shall also be tested).	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**

IECC-2023-15 **Georgia Amendments** 2023 ERB Amendments submittals and Support P28		Amend this section of ASHRAE 90.1-2013 (same requirement as IECC 2015): C401.2 Application Commercial buildings shall comply with one of the following: 1. The requirements of ANSI/ASHRAE/IESNA 90.1 and Section C402.5 (air leakage testing for mid-rise multifamily dwellings)	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IECC-2023-16 **Georgia Amendments** 2023 ERB Amendments submittals and Support P31		**R402.4.1.3 Low-rise R-2 multifamily testing (Mandatory).** Low-rise R-2 multifamily dwellings shall be tested to less than 5.0 air changes per hour at 50 Pascals (ACH50). As an alternative to ACH50, compliance for Low-rise R-2 dwellings may be attained by achieving an Envelope Leakage Ratio at 50 Pascals (ELR50) of less than 0.30 (ELR50 < 0. 30, where ELR50 = CFM50 / Envelope Shell Area, in square feet).	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IECC-2023-17 **Georgia Amendments** 2023 ERB Amendments submittals and Support P31		**R402.4.1.3.1 Low-rise multifamily testing protocol (Optional).** Where a residential building is classified as R-2, envelope testing may (optionally) employ either one or both of the following testing protocols: 1. Utilize multiple fans in adjacent units (commonly referred to as Guarded Blower Door testing) to minimize effect of leakage to adjacent units (not required). 2. Envelope testing of less than 100 percent shall be acceptable assuming a maximum sampling protocol of 1 in 4 units per floor (if sampled unit passes, the remaining up to three units are deemed to comply; if sampled unit fails, it must be sealed and retested and the remaining up to three units shall also be tested).	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IECC-2023-18 ASHRAE 90.1 2023 ERB Amendments submittals and Support P34		Amend section C402.5 of 2015 IECC (similar applies to ASHRAE 90.1-2013): **C402.5 Air leakage—thermal envelope (Mandatory).** The *thermal envelope* of buildings 25,000 s.f. and greater shall comply with Sections C402.5.1 through C402.5.8, or the building *thermal envelope* shall be tested in accordance with ASTM E 779 at a pressure differential of 0.3 inch water gauge (75 Pa) or an equivalent method approved by the code official and deemed to comply with the provisions of this section when the tested air leakage rate of the building thermal envelope is not greater than 0.40 cfm/ft$_2$ (0.2 L/s · m$_2$). Where compliance is based on such testing, the building shall also comply with Sections C402.5.5, C402.5.6 and C402.5.7.	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**

IECC-2023-19 ASHRAE 90.1 2023 ERB Amendments submittals and Support P34		Add new section of 2015 IECC (similar applies to ASHRAE 90.1-2013): **C402.5-LC Air leakage—thermal envelope for Light Commercial buildings under 25,000 sf. (Mandatory).** The *thermal envelope* of buildings under 25,000 s.f. not classified as type R-2 shall be tested in accordance with ASTM E 779 at a pressure differential of 0.3 inch water gauge (75 Pa) or an equivalent method approved by the code official and deemed to comply with the provisions of this section when the tested air leakage rate of the building thermal envelope is not greater than 0.40 cfm/ft$_2$ (0.2 L/s · m$_2$). Where compliance is based on such testing, the building shall also comply with Sections C402.5.5, C402.5.6 and C402.5.7.	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IECC-2023-20 ASHRAE 90.1 2023 ERB Amendments submittals and Support P34		Amend this section to ASHRAE 90.1-2013 (same requirements for projects using 90.1): C401.2 Application Commercial buildings shall comply with one of the following: 1. The requirements of ANSI/ASHRAE/IESNA 90.1 and Section C402.5-LC (air leakage testing for Light Commercial buildings under 25,000 s.f.)	Mike Barcik, Southface, Abe Kruger, SK Collaborative, Diana Burk, New Buildings Institute, Eric Lacey, Responsible Energy Codes Alliance	**D**
IRC-2023-21 2023 ERB Amendments submittals and Support P37 and end of chart		Add section 806 option a *see attached sheet.	Shawn Mullins	**D**
IRC-2023-22 2023 ERB Amendments submittals and Support P42 and end of chart		Add section 806 option b *see attached sheet. -either/or of the previous amendment	Shawn Mullins	**D**

IBC-2023-23 2023 ERB Amendments submittals and Support P47		Revise Exception 2 1511.1 General. Materials and methods of application for recovering or replacing an existing roof covering shall comply with the requirements of Chapter 15. 1. Roof replacement or roof recover of existing low-slope roof coverings shall not be required to meet the minimum design slope requirement of one-quarter unit vertical in 12 units horizontal (2-percent slope) in Section 1507 for roofs that provide positive roof drainage. 2. Recovering or replacing an existing roof covering shall not be required to meet the requirement for secondary (emergency overflow) drains or scuppers in Section 1502.2 for roofs that provide for positive roof drainage, and have been determined to resist all design loads. For the purposes of this exception, existing secondary drainage or scupper systems required in accordance with this code shall not be removed unless they are replaced by secondary drains or scuppers designed and installed in accordance with Section 1502.2.	Christian N. Dawkins, P.E.	**D**
IBC-2023-24 2023 ERB Amendments submittals and Support P49		Revise Exception 1 **1511.1 General.** Materials and methods of application for recovering or replacing an existing *roof covering* shall comply with the requirements of Chapter 15. **Exceptions:** 1. *Roof replacement* or *roof recover* of existing low-slope *roof coverings* shall not be required to meet the minimum design slope requirement of one-quarter unit vertical in 12 units horizontal (2-percent slope) in Section 1507 for roofs that provide *positive roof drainage* and meet the requirements of Section 1608.3 and Section 1611.2. 2. Recovering or replacing an existing *roof covering* shall not be required to meet the requirement for secondary (emergency overflow) drains or scuppers in Section 1502.2 for roofs that provide for *positive roof drainage*. For the purposes of this exception, existing secondary drainage or *scupper systems* required in accordance with this code shall not be removed unless they are replaced by secondary drains or *scuppers* designed and installed in accordance with Section 1502.2.	Christian N. Dawkins, P.E.	**D**

IBC-2023-25 2023 ERB Amendments submittals and Support P58		Add New Section **1502.5 Waterproofing weather-exposed areas.** Balconies, decks, landings, exterior stairways, occupied roofs, and similar surfaces exposed to the weather and sealed underneath shall be waterproofed and sloped a minimum of 1/4 unit vertical in 12 units horizontal (2% slope) for drainage away from adjoining walls or assemblies.	Christian N. Dawkins, P.E.	**D**
IBC-2023-26 2023 ERB Amendments submittals and Support P59		**Revise as Follows** **1511.3.1.1 Exceptions.** A *roof recover* shall not be permitted where any of the following conditions occur: 1. Where the existing roof or roof covering is ~~water soaked~~ found to have moisture present from Infrared testing (per ASTM C1153−10 (Reapproved 2015)), Electrical Impedance testing (per ASTM D7954/ D7954M −15a) or Nuclear testing (per ANSI/SPRI/RCI NT-1 2012 (Reapproved 2017)) to the extent the existing roof or roof covering cannot be removed and restored on a spot basis, or where the existing roof or roof covering has deteriorated to the point ~~that the existing roof or roof covering~~ it is not adequate as a base for additional roofing. 2. Where the existing roof covering is slate, clay, cement or asbestos-cement tile. 3. Where the existing roof has two or more applications of any type of roof covering	Christian N. Dawkins, P.E.	**W**
IRC-2023-27 2023 ERB Amendments submittals and Support P61		**Add new section** **R903.5 Waterproofing weather-exposed areas.** Balconies, decks, landings, exterior stairways, occupied roofs, and similar surfaces exposed to the weather and sealed underneath shall be waterproofed and sloped a minimum of 1/4 unit vertical in 12 units horizontal (2% slope) for drainage away from adjoining walls or assemblies.	Christian N. Dawkins, P.E.	**D**

IRC-2023-28 2023 ERB Amendments submittals and Support P62		Revise as Follows R703.7.3 *Water-resistive barriers* shall be installed as required in Section 703.2 and, where applied over ~~wood-based~~ sheathing, shall include a water-resistive, vapor-permeable barrier with a performance at least equivalent to two layers of Grade D paper. The individual layers shall be installed independently such that each layer provides a separate continuous plane and any flashing, installed in accordance with Section R703.4 and intended to drain to the water-resistive barrier shall be directed ~~between the layers~~ over the top of the water-resistive barrier.	Christian N. Dawkins, P.E.	**D**
IRC – 2023 – 29 **Ga Amendments** 2023 ERB Amendments submittals and Support P63		Revise Georgia International Residential Code 2020 Amendments as follows: **SECTION R303** **LIGHT, VENTILATION AND HEATING** ~~*Revise Section R303.4 'Mechanical ventilation' to read as follows:~~ ~~**R303.4 Mechanical ventilation.** Where the air infiltration rate of a *dwelling unit* is 3 air changes per hour or less where tested with a blower door at a pressure of 0.2 inch w.c (50 Pa) in accordance with Section N1102.4.1.2, the *dwelling unit* shall be provided with whole-house mechanical ventilation in accordance with Section M1505.4.~~ ~~(Effective January 1, 2020)~~	Eric Lacey	**D**
IECC – 2023 -30 **Ga Amendments**		Add a new section beneath the "Residential Provisions" heading in the Georgia State Supplements and Amendments to the International Energy Conservation Code (2015 Edition) as follows: IMPORTANT NOTE: Where required by Georgia State Minimum Standard Energy Code, R6 Flexible Duct combined with an approved continuous Radiant Barrier as part of the roof assembly may be substituted for the required R8 Flexible Duct.	ERB Subcommittee	**A**

		The use of this substitution will be valid until June 30, 2023 at the discretion of the authority having jurisdiction. (Effective September 1, 2022)		