



# **Georgia State Supplements and Amendments to the International Energy Conservation Code (2015 Edition)**

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**Revised January 1, 2023**

**GEORGIA STATE MINIMUM STANDARD ENERGY CODE  
(INTERNATIONAL ENERGY CONSERVATION CODE  
WITH GEORGIA STATE SUPPLEMENTS AND AMENDMENTS)**

**The INTERNATIONAL ENERGY CONSERVATION CODE, 2015 Edition, published by the International Code Council, when used in conjunction with these Georgia State Supplements, Amendments and any other Georgia State Amendments, shall constitute the official *Georgia State Minimum Standard Energy Code*.**

**GEORGIA STATE SUPPLEMENTS AND AMENDMENTS**

**SCOPE:**

Each chapter of these Georgia State Supplements and Amendments corresponds with a chapter of the *International Energy Conservation Code (IECC)*.

***Commercial Provisions***

- Chapter 1: Scope and Administration
- Chapter 2: Definitions
- Chapter 3: General Requirements
- Chapter 4: Commercial Energy Efficiency
  - Compliance Pathways for Commercial and High-Rise Residential Construction:
    - Any of those delineated in this chapter; or
    - *COMcheck*<sup>1</sup>
- Chapter 5: Existing Buildings
- Chapter 6: Referenced Standards

***Residential Provisions***

- Chapter 1: Scope and Administration
- Chapter 2: Definitions
- Chapter 3: General Requirements
- Chapter 4: Residential Energy Efficiency
  - Compliance Pathways for Low-Rise Residential Construction:
    - Any of those delineated in this chapter; or
    - *REScheck*<sup>1</sup>
- Chapter 5: Existing Buildings
- Chapter 6: Referenced Standards
- Appendices RA, RB, RC and RD
  - Throughout the appendices, there is information that may be helpful in meeting and understanding the *Georgia State Minimum Standard Energy Code*. In cases of conflict, refer to the *IECC* for clarification.

1. *REScheck* and *COMcheck* are computer programs developed by Pacific Northwest National Laboratories for the U.S. Department of Energy (D.O.E.) to assist in demonstration of compliance with the *IECC*. They may be obtained free of charge from the D.O.E. online at [www.energycodes.gov](http://www.energycodes.gov). When following the *REScheck* compliance pathway, select the 2015 *IECC* as the code version. When following the *COMcheck* compliance pathway, select either *IECC 2015* or *ASHRAE/IESNA Standard 90.1-2013*.

The ‘Mandatory’ requirements of the *IECC* apply to all compliance methods.

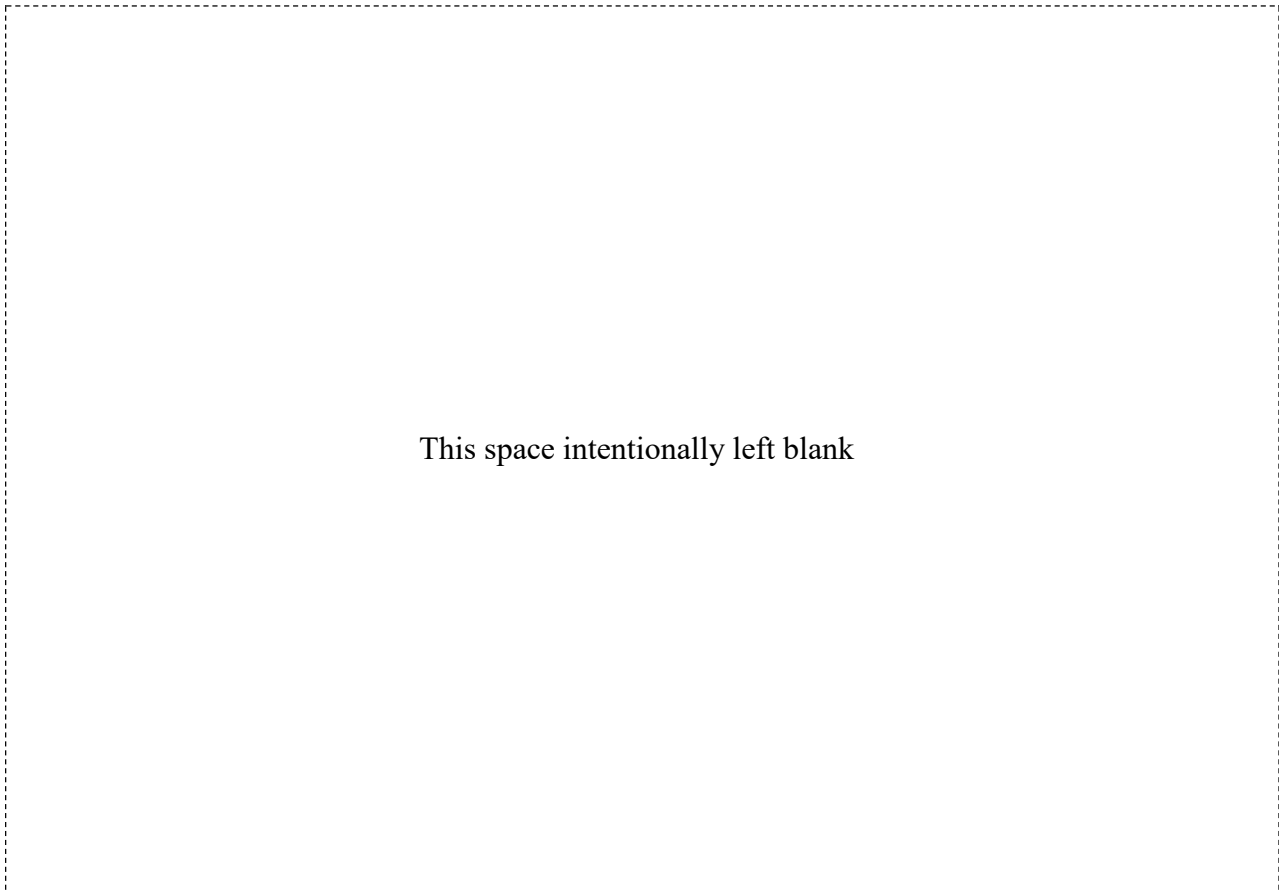
Where these Georgia State Supplements and Amendments conflict with either the *IECC* or *ANSI/ASHRAE/IES Standard 90.1*, these Georgia State Supplements and Amendments shall take precedence.

*Air infiltration accounts for substantial heat loss, heat gain and moisture migration in a building. Proper sealing around all doors, windows and other envelope penetrations through the walls, ceiling and foundation is as important to code compliance as are proper insulation R-values and component U-factors.*

It is not the intention of this code to abridge safety or health. Where the *IECC* and these Georgia State Supplements and Amendments conflict with other mandatory *State Minimum Standard Codes*, the *IECC* and these Georgia State Supplements and Amendments shall be enforced as written, provided that safety, health or environmental requirements of other mandatory *State Minimum Standard Codes* are not abridged.

**APPENDICES:**

Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted by the Department of Community Affairs or the authority having jurisdiction.



## RESIDENTIAL PROVISIONS

### 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.

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

### CHAPTER 4 [RE] RESIDENTIAL ENERGY EFFICIENCY

#### SECTION R402 BUILDING THERMAL ENVELOPE

\* Revise Table 402.1.2 ‘Insulation and Fenestration Requirements by Component<sup>a</sup>’ header ‘Floor R-Value’ and add new footnote ‘j’ to read as follows:

<b>TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup></b>											
Climate Zone	Fenestration U-Factor <sup>b</sup>	Skylight <sup>b</sup> U-Factor	Glazed Fenestration SHGC <sup>b,e</sup>	Ceiling R-Value	Wood Frame Wall R-Value	Attic Kneewall R-Value <sup>i</sup>	Mass Wall R-Value	Floor R-Value <sup>l</sup>	Wall R-Value <sup>c</sup>	Slab <sup>d</sup> R-Value & Depth	Crawl Space <sup>c</sup> Wall R-Value
2	0.35	0.65	0.27	38	13	18	4/6	13	0	0	0
3	0.35	0.55	0.27	38	13	18	8/13	19	5/13 <sup>f</sup>	0	5/13
4 except marine	0.35	0.55	0.27	38	13	18	8/13	19	10/13	0	10/13

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.  
(Effective January 1, 2023)

\* Revise Table 402.1.4 ‘Equivalent U-Factors<sup>a</sup>’ header ‘Floor U-Value’ and add new footnote ‘d’ to read as follows:

<b>TABLE R402.1.4 EQUIVALENT U-FACTORS<sup>a</sup></b>								
Climate Zone	Fenestration U-Factor	Skylight U-Factor	Ceiling U-Factor	Frame Wall U-Factor	Mass Wall U-Factor <sup>b</sup>	Floor U-Factor <sup>d</sup>	Basement Wall U-Factor	Crawl Space Wall U-Factor
2	0.35	0.65	0.030	0.084	0.165	0.064	0.360	0.477
3	0.35	0.55	0.030	0.084	0.098	0.047	0.091 <sup>c</sup>	0.136
4 except marine	0.35	0.55	0.030	0.084	0.098	0.047	0.059	0.065

d: 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.  
(Effective January 1, 2023)

\* Revise Underfloor Insulation in Appendix RA Georgia Insulation Installation – *Passing Grade Details* (p.45) to read as follows:

**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.  
(Effective January 1, 2023)

**End of Amendments.**