



# Georgia State Amendments to the International Mechanical Code (2018 Edition)



Georgia Department of Community Affairs  
Community Development Division  
60 Executive Park South, N.E.  
Atlanta, Georgia 30329-2231  
(404) 679-3118  
[www.dca.ga.gov](http://www.dca.ga.gov)

**Revised January 1, 2024**

**GEORGIA STATE MINIMUM STANDARD MECHANICAL CODE  
(INTERNATIONAL MECHANICAL CODE WITH GEORGIA STATE AMENDMENTS)**

The **INTERNATIONAL MECHANICAL CODE, 2018 Edition**, published by the International Code Council, when used in conjunction with these Georgia State Amendments, shall constitute the official *Georgia State Minimum Standard Mechanical Code*.

**GEORGIA STATE AMENDMENTS**

**CODE REFERENCE:**

- (a) Replace all references to the ICC *Electrical Code* with references to the *Georgia State Minimum Standard Electrical Code (National Electrical Code with Georgia State Amendments)*.
- (b) Replace all references to the *International Energy Conservation Code (IECC)* with references to the *Georgia State Minimum Standard Energy Code (IECC with Georgia State Supplements and Amendments)*. The *Georgia State Minimum Standard Energy Code* shall be used for efficiency and coefficient of performance ratings of mechanical equipment.

**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.

**SCOPE:**

The provisions of the *Georgia State Minimum Standard Mechanical Code* shall regulate the design, installation, maintenance, *alteration* and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, *equipment* and appliances specifically addressed herein. The installation of fuel gas distribution piping and *equipment*, fuel gas-fired appliances and fuel gas-fired *appliance* venting systems shall be regulated by the *Georgia State Minimum Standard Gas Code (International Fuel Gas Code with Georgia Amendments)*.

**Exception #1:** Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade with separate means of egress and their accessory structures shall comply with the *Georgia State Minimum Standard One- and Two-Family Dwellings Code ( International Residential Code for One- and Two- Family Dwellings with Georgia State Amendments)*.

**Exception #2:** The following table titled ‘Codes Reference Guide’ establishes specific primary and supplementary code applications and is to be applied by the authority having jurisdiction.

<b>CODES REFERENCE GUIDE</b>		
<b>Area</b>	<b>Primary</b>	<b>Supplement</b>
Occupancy Classification	LSC	IBC
Building Construction Types including allowable height, allowable building areas, and the requirements for sprinkler protection related to minimum building construction types.	IBC	LSC
Means of Egress	LSC	NONE
Standpipes	IBC	IFC
Interior Finish	LSC	NONE
HVAC Systems	IMC	NONE
Vertical Openings	LSC	NONE
Sprinkler Systems minimum construction standard	LSC	NONE
Fire Alarm Systems	LSC	NONE
Smoke Alarms and Smoke Detection Systems	State Statute and LSC	NONE
Portable Fire Extinguishers	IFC	NONE
Cooking Equipment	LSC and NFPA 96	NONE
Fuel Fired Appliances	IFGC	NFPA 54
Liquid Petroleum Gas	NFPA 58	NFPA 54
Compressed Natural Gas	NFPA 52	NONE

**GEORGIA STATE MINIMUM  
REQUIREMENTS FOR BOILERS/WATER HEATERS AND PRESSURE VESSELS**

The State’s minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the Rules and Regulations of the Office of Insurance and Safety Fire Commissioner.

*\*Revise the International Mechanical Code, 2018 Edition, as follows:*

**CHAPTER 9  
SPECIFIC APPLIANCES, FIREPLACES AND SOLID FUEL-BURNING EQUIPMENT**

**SECTION 908  
COOLING TOWERS, EVAPORATIVE CONDENSERS AND FLUID COOLERS**

\*Revise Section 908.1 ‘General’ to read as follows:

**908.1 General**

A cooling tower used in conjunction with an air-conditioning appliance shall be installed in accordance with the manufacturer’s instructions. Factory-built cooling towers shall be listed in accordance with UL 1995 or UL/CSA 60335-2-40. The standards related to high efficiency cooling towers shall include without limitation the minimum standards prescribed by ASHRAE 90.1.

(Effective January 1, 2024)

**SECTION 918  
FORCED-AIR WARM-AIR FURNACES**

\*Revise Section 918.1 ‘Forced-air furnaces’ to read as follows:

**918.1 Forced-air furnaces**

Oil-fired furnaces shall be tested in accordance with UL 727. Electric furnaces shall be tested in accordance with UL 1995 or UL/CSA 60335-2-40. Solid fuel furnaces shall be tested in accordance with UL 391. Forced-air furnaces shall be installed in accordance with the listings and the manufacturer’s instructions.

(Effective January 1, 2024)

\*Revise Section 918.2 ‘Heat pumps’ to read as follows:

**918.2 Heat pumps**

Electric heat pumps shall be tested in accordance with UL 1995 or UL/CSA 60335-2-40.

(Effective January 1, 2024)

**CHAPTER 11  
REFRIGERATION**

**SECTION 1101  
GENERAL**

\*Revise Section 1101.2 ‘Factory-built equipment and appliances’ to read as follows:

**1101.2 Factory-Built Equipment and Appliances.** Listed and labeled self-contained, factory-built equipment and appliances shall be tested in accordance with the applicable standards specified in Table 1101.2. Such equipment and appliances are deemed to meet the design, manufacture and factory test requirements of this code if installed in accordance with their listing and the manufacturer's instructions.

**TABLE 1101.2  
FACTORY-BUILT EQUIPMENT AND APPLIANCES**

<b>EQUIPMENT</b>	<b>STANDARDS</b>
Refrigeration fittings, including press-connect, flared and threaded	UL 109 and UL 207
Air-conditioning equipment	UL 1995 or UL/CSA 60335-2-40
Packaged terminal air conditioners and heat pumps	UL 484 or UL/CSA 60335-2-40
Split-system air conditioners and heat pumps	UL 1995 or UL/CSA 60335-2-40
Dehumidifiers	UL 474 or UL/CSA 60335-2-40
Unit coolers	UL 412 or UL/CSA 60335-2-89
Commercial refrigerators, freezers, beverage coolers and walk-in coolers	UL 471 or UL/CSA 60335-2-89
Refrigerating units and walk-in coolers	UL 427 or UL 60335-2-89
Refrigerant-containing components and accessories	UL 207

(Effective January 1, 2024)

**SECTION 1103  
REFRIGERATION SYSTEM CLASSIFICATION**

\*Revise Footnote f of Table 1103.1 ‘Refrigerant Classification, amount and OEL’ to read as follows:

f. The ASHRAE Standard 34 flammability classification for this refrigerant is 2L.  
(Effective January 1, 2024)

**SECTION 1104  
SYSTEM APPLICATION REQUIREMENTS**

\*Revise Section 1104.3.1 ‘Air conditioning for human comfort’ to read as follows:

**1104.3.1 Air conditioning for human comfort.**

High probability systems used for human comfort shall use Group A1 or A2L refrigerant. In other than industrial occupancies where the quantity in a single independent circuit does not exceed the amount in Table 1103.1, Group B1, B2 and B3 refrigerants shall not be used in high-probability systems for air conditioning for human comfort.

(Effective January 1, 2024)

\*Rename Section 1104.3.2 ‘Nonindustrial occupancies’ to ‘Group A2, A3, B2 and B3 refrigerants’, delete Table 1104.3.2 ‘Maximum Permissible Quantities of Refrigerants’ and revise to read as follows:

**1104.3.2 Group A2, A3, B2 and B3 refrigerants.**

Group A2 and B2 refrigerants shall not be used in high-probability systems. Group A3 and B3 refrigerants shall not be used except where approved.

**Exceptions:** This section does not apply to:

1. Laboratories where the floor area per occupant is not less than 100 square feet (9.3 m<sup>2</sup>).
2. Listed self-contained systems having a maximum of 0.331 pounds (150 g) of Group A3 refrigerant.
3. Industrial occupancies.
4. Equipment listed for and used in residential occupancies containing a maximum of 6.6 pounds (3 kg) of Group A2 or B2 refrigerant.
5. Equipment listed for and used in commercial occupancies containing a maximum of 22 pounds (10 kg) of Group A2 or B2 refrigerant.

(Effective January 1, 2024)

**CHAPTER 15  
REFERENCED STANDARDS**

\*Revise Chapter 15 ‘Referenced Standards’ to read as follows:

**ASHRAE**

ASHRAE  
1791 Tullie Circle, NE  
Atlanta, GA 30329

15-2022

Safety Standards for Refrigeration  
Systems

1105.3, 1106.6, 1106.7, GA  
Amendments

34— 2022

Designation and Safety  
Classification of Refrigerants

202, 1102.2.1, 1103.1

**UL**

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062-2096

1995—2015

Heating and Cooling Equipment

908.1, 916.1, 918.1, 918.2, 1101.2

UL/CSA 60335-2-40-2022

Household And Similar Electric  
Appliances - Safety - Part 2-40:  
Particular Requirements for Electric  
Heat Pumps, Air-Conditioners and  
Dehumidifiers

908.1, 916.1, 918.1, 918.2, 1101.2

UL/CSA 60335-2-89-2021

Household And Similar Electric  
Appliances - Safety - Part 2-89:  
Particular Requirements for  
Commercial Refrigerating Appliances  
with an Incorporated or Remote  
Refrigerant Units or Compressor

1101.2

(Effective January 1, 2024)

**End of Amendments.**