Agency Name: Building Codes Council - Labor, Licensing and Regulation

Statutory Authority: 6-9-40, 6-9-50, and 6-9-55

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Senate Committee: Labor, Commerce and Industry Committee

120 Day Review Expiration Date for Automatic Approval: 05/11/2022

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Status: Final

Subject: International Mechanical Code

History: 5087

By Date Action Description Jt. Res. No. Expiration Date

- 10/22/2021 Proposed Reg Published in SR

- 01/11/2022 Received by Lt. Gov & Speaker 05/11/2022

H 01/11/2022 Referred to Committee

S 01/11/2022 Referred to Committee

S 03/15/2022 Resolution Introduced to Approve 1159

- 05/11/2022 Approved by: Expiration Date

- 05/27/2022 Effective Date unless otherwise

provided for in the Regulation

Document No. 5087

**DEPARTMENT OF LABOR, LICENSING AND REGULATION**

**BUILDING CODES COUNCIL**

CHAPTER8

Statutory Authority: 1976 Code Sections 6‑9‑40, 6‑9‑50, and 6‑9‑55

8‑1300. International Mechanical Code.

8‑1301. IMC Section 504.8.2 Duct Installation.

8‑1302. IMC Table 1103.1 Refrigerant Classification, Amount, and OEL. (New)

8‑1303. IMC Section 1104.3.1 Air conditioning for human comfort. (New)

8‑1304. IMC Chapter 15 Referenced Standards. (New)

**Synopsis:**

The South Carolina Building Codes Council proposes to amend Chapter 8, Article 13, to reflect modifications to the 2021 South Carolina Building Codes, the International Mechanical Code.

A Notice of Drafting was published in the *State Register* on July 23, 2021.

**Instructions:**

Replace regulation as shown. All other items and sections remain unchanged.

**Text:**

ARTICLE 13

International Mechanical Code

2021 International Mechanical Code Modification Summary

8‑1300. International Mechanical Code.

NOTE‑This article is based upon the International Mechanical Code, 2021 Edition, in accordance with the statutory amendments to acts governing the Building Codes Council, except for the modifications referenced below.

This code is identical to the 2021 Edition of the International Mechanical Code except for the following modifications:

8‑1301. IMC Section 504.9.2 Duct Installation.

Exhaust ducts shall be supported at intervals not to exceed 8 feet and within 16 inches of each side of a joint that is not installed in a vertical orientation, secured in place, making rigid contact with the duct at not less than 4 equally spaced points or 2/3rds contact if strap is used. All brackets and strapping must be noncombustible. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. The overlap shall comply with Section 603.4.2. Ducts shall not be joined with screws or similar devices that protrude into the inside of the duct. Exhaust ducts shall be sealed in accordance with Section 603.9. Where dryer ducts are enclosed in wall or ceiling cavities, such cavities shall allow the installation without deformation. The duct work may be ovalized as long as it terminates in an approved duct box. Minor imperfections located on the duct, in areas other than along the seam, do not constitute a violation of this section.

8‑1302. IMC Table 1103.1 Refrigerant Classification, Amount, and OEL.

Modify Footnote c to state: The ASHRAE Standard 34 flammability classification for this refrigerant is 2L.

8‑1303. IMC Section 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.

8‑1304. IMC Chapter 15 Referenced Standards.

Add the following Referenced Standard to Chapter 15, **CSA**:

C22.2 No. 60335‑2‑40–2019 Household and Similar Appliances – Safety – Part 2‑40: Particular Requirements for Electrical Heat Pumps, Air‑Conditioners and Dehumidifiers – 3rd Edition 908.1, 916.1, 918.2, 1101.2

Modify the following Referenced Standard in Chapter 15, **UL**, to read as follows:

60335‑2‑40 – 2019 Household and Similar Electrical Appliances – Safety – Part 2‑40: Particular Requirements for Electrical Heat Pumps, Air‑Conditioners and Dehumidifiers 908.1, 916.1, 918.1, 918.2, 1101.2

**Fiscal Impact Statement:**

There will be no cost incurred by the State or any of its political subdivisions for these regulations.

**Statement of Rationale:**

The South Carolina Building Codes Council proposes to amend Chapter 8, Article 13, to reflect modifications to the 2021 South Carolina Building Codes, the International Mechanical Code.