08 MAINE OFFICE OF COMMUNITY AFFAIRS

003 BUILDING CODES AND STANDARDS

Chapter 9: MAINE UNIFORM BUILDING AND ENERGY CODE – RESIDENTIAL VENTILATION AND INDOOR AIR QUALITY

SUMMARY: This chapter establishes the residential ventilation and indoor air quality component of the Maine Uniform Building and Energy Code "MUBEC". The provisions of this chapter are based on nationally recognized standards published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the American Society for Testing and Materials (ASTM) and are made part of the MUBEC through incorporation by reference.

SECTION 1. PURPOSE AND SCOPE

All building construction within the State of Maine shall be governed by the MUBEC. The MUBEC is adopted by the Technical Building Codes and Standards Board pursuant to Title 10 M.R.S. Chapter 1103. The primary objective of the Board is to establish a uniform building code throughout the State of Maine.

This chapter sets forth the standards for residential construction for one- and two-unit dwellings and townhouses that are part of the MUBEC. It applies to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-unit dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures.

SECTION 1.A EFFECTIVE DATE

This routine technical rule chapter goes into effect ninety (90) days after the approved filing with the Maine Office of the Secretary of State.

SECTION 2. AUTHORITY

The authority for this Chapter is Title 10 M.R.S. §9722, which provides that the Maine Technical Building Codes and Standards Board shall promulgate rules which adopt, amend, and maintain the Maine Uniform Building and Energy Code. Where conflicts occur between provisions of the MUBEC and those adopted by boards or programs within the Department of Professional & Financial Regulation, the codes, standards or rules adopted by such Boards or programs shall apply. This shall include, but not be limited to, the Maine Fuel Board Rules, Maine State Plumbing Code, and Maine State Electrical Code.

SECTION 3. DEFINITIONS

1. **ASHRAE.** "ASHRAE" means **t**he American Society of Heating, Refrigerating and Air-Conditioning Engineers.

2. **ASTM**. "ASTM" means American Society for Testing and Materials.

3. **MUBEC**. "MUBEC" means the Maine Uniform Building and Energy Code adopted pursuant to Title 10 M.R.S. §9271 et seq..

4. **Technical Building Codes and Standards Board**. "Technical Building Codes and Standards Board" means the board established pursuant to Title 5 M.R.S. §12004-G, subsection 5-A and Title 10 M.R.S. §9722.

SECTION 4. INCORPORATION BY REFERENCE

1. Safety Standard for Refrigeration Systems Standard 15 edition issued for the year 2019 published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Standards (ASHRAE).

2. Designation and Safety Classification of Refrigerants Standard 34 edition issued for the year 2019 published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Standards (ASHRAE)

3. Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings Standard 62.2 edition issued for the year 2019 published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Standards (ASHRAE), without addenda.
   A. Per Sec. 3. 10 MRSA §9722, sub-§6, ¶Q, an alternative pathway compliance with ASHRAE Standard 62.2 is the Canadian Standards Association Standard for Residential Mechanical Ventilation Systems, CAN/CSA-F326-M91.

4. Handbook of Fundamentals edition issued for the year 2021 published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Standards (ASHRAE).

5. Standard Practice for Radon Control Options for the Design and Construction of New Low-Rise Residential Buildings E-1465-08 published by the American Society for Testing and Materials (ASTM).

6. The 2021 International Mechanical Code has been adopted as the "Commercial Mechanical Code" and shall set the mechanical systems requirements for all new construction of commercial and multifamily structures as specified in this code.

   A. The following Chapters of the 2021 International Mechanical Code, published by the International Code Council, Inc. are hereby adopted and incorporated by reference:

      i. Chapters 1 – 6
      ii. Chapters 8 - 9
      iii. Chapters 11-12
      iv. Chapters 14 -15

   B. The following Chapters, and all appendices, of the IMC are specifically excluded from adoption:

      i. Chapters 7, 10, & 13
      ii. Appendix A - C

SECTION 5. REVISIONS TO THE ASHRAE STANDARD 62.2

1. Adopted in its entirety without modification or addendums.

SECTION 6. REVISIONS TO ASTM STANDARD E-1465-08

1. Adopted in its entirety without modification or addendums.

SECTION 7. REVISIONS TO THE IMC

1. Section 403.3.2.1, Equation 4-9

Delete "$Q_{OA} = 0.01 A_{floor} + 7.5 (N_{br} + 1)$"; *and*
Insert "$Q_{OA} = 0.03 A_{floor} + 7.5 (N_{br} + 1)$" in its place.

STATUTORY AUTHORITY:
Title 10 M.R.S. §9722

EFFECTIVE DATE: