

TITLE 14 HOUSING AND CONSTRUCTION
CHAPTER 9 MECHANICAL CODES
PART 2 2021 NEW MEXICO MECHANICAL CODE

14.9.2.1 ISSUING AGENCY: Construction Industries Division (CID) of the Regulation and Licensing Department.

[14.9.2.1 NMAC - Rp, 14.9.2.1 NMAC, 05/15/2018]

14.9.2.2 SCOPE: This rule applies to all contracting work performed in New Mexico on or after May 15, 2018, that is subject to the jurisdiction of CID, unless performed pursuant to a permit for which an application was received by CID before that date.

[14.9.2.2 NMAC - Rp, 14.9.2.2 NMAC, 05/15/2018]

14.9.2.3 STATUTORY AUTHORITY: Sections 60-13-9, 60-13-44, 60-13-45, 60-13-46 and 60-13-47 NMSA 1978.

[14.9.2.3 NMAC - Rp, 14.9.2.3 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.4 DURATION: Permanent.

[14.9.2.4 NMAC - Rp, 14.9.2.4 NMAC, 05/15/2018]

14.9.2.5 EFFECTIVE DATE: May 15, 2018, unless a later date is cited at the end of a section. From the date of publication of this rule in the New Mexico register, until September 10, 2022, permits may be issued under either the previously adopted rule, or this rule. After September 10, 2022, permits may be issued only under this rule.

[14.9.2.5 NMAC - Rp, 14.9.2.5 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.6 OBJECTIVE: The purpose of this rule is to establish minimum standards for the installation, repair, and replacement of mechanical systems including equipment, appliances, fixtures, fittings and appurtenances including ventilating, heating, cooling, air conditioning, and refrigeration systems, incinerators, and other energy related systems in New Mexico.

[14.9.2.6 NMAC - Rp, 14.9.2.6 NMAC, 05/15/2018]

14.9.2.7 DEFINITIONS: See 14.5.1 NMAC, General Provisions and Chapter 2 of the 2021 Uniform Mechanical Code (UMC) as amended in 14.9.2.10 NMAC.

[14.9.2.7 NMAC - Rp, 14.9.2.7 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.8 ADOPTION OF THE 2021 UNIFORM MECHANICAL CODE:

- A. This rule adopts by reference the 2021 UMC, as amended by this rule.
- B. In this rule, each provision is numbered to correspond with the numbering of the 2021 UMC.
- C. This rule shall apply in conjunction with the provisions of all applicable New Mexico construction codes, laws and standards.

[14.9.2.8 NMAC - Rp, 14.9.2.8 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.9 CHAPTER 1 ADMINISTRATION: See this chapter of the UMC except as provided below.

A. **101.0 General.**

(1) **101.1 Title.** Delete this section of the UMC and substitute: This code shall be known as 14.9.2 NMAC, the 2021 New Mexico Mechanical Code (NMMC).

(2) **101.2 Scope.** Delete this section of the UMC and see 14.9.2.2 NMAC.

(3) **101.3 Purpose.** Delete this section of the UMC and see 14.9.2.6 NMAC.

B. **102.0 Applicability.** See this section of the UMC except as provided below. **102.1 Conflicts between codes.** Delete this section of the UMC and see Subsection H of Section 60-13-44 NMSA 1978 and 14.5.1.9 NMAC.

C. **103.0 Duties and powers of the authority having jurisdiction.**

(1) **103.1 General.** Delete this section of the UMC and see Construction Industries Licensing Act (CILA).

(2) **103.2 Liability.** Delete this section of the UMC and see CILA Section 60-13-26 NMSA

1978.

- (3) **103.3 Applications and permits.** Delete this section of the UMC and see 14.5.2 NMAC.
- (4) **103.4 Right of entry.** Delete this section of the UMC and see CILA Section 60-13-42.

NMSA 1978.

- D. **104.0 Permits.** See this section of the UMC except as provided below.
 - (1) **104.1 Permits required.** Delete this section of the UMC and see 14.5.2 NMAC.
 - (2) **104.2 Exempt work.** See CILA Section 60-13-45 B NMSA 1978 and this section of the

UMC.

- (3) **104.3 Application of permit.** Delete this section of the UMC and see 14.5.2 NMAC.
- (4) **104.4 Permit issuance.** Delete this section of the UMC and see 14.5.2 NMAC.
- (5) **104.5 Fees.** Delete this section of the UMC and see 14.5.5 NMAC.
- E. **105.0 Inspections and testing.** Delete this section of the UMC and see 14.5.3 NMAC.
- F. **106.0 Violations and penalties.** Delete this section of the UMC and see CILA Sections 60-13-1 through 60-13-59 NMSA 1978, and 14.5.3 NMAC.
- G. **107.0 Board of appeals.** Delete this section of the UMC and see 14.5.1.13 NMAC.
- H. **Table 104.5 Mechanical permit fees.** Delete this table from the UMC and see 14.5.5 NMAC. [14.9.2.9 NMAC - Rp, 14.9.2.9 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.10 CHAPTER 2 DEFINITIONS: See this chapter of the UMC except as provided below.

- A. **203.0 Authority having jurisdiction.** Delete the text of this definition and substitute: The authority having jurisdiction is the CID and the mechanical-plumbing-trade bureau chief for adoption, enactment, interpretation and enforcement of the state adopted mechanical code as the minimum requirement in the state.
- B. **214.0 Listed (Third Party Certified).** See this definition in the UMC and add the following provision at the end of the definition: A manufacturer may select the independent certification organization of its choice to certify its products, provided that the certification organization has been accredited by the American national standards institute (ANSI), or another certification organization that CID has approved in writing.
- C. **217.0 Occupiable Space.** Delete this section and see 14.7.2 NMAC and 14.7.3 NMAC. [14.9.2.10 NMAC - Rp, 14.9.2.10 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.11 CHAPTER 3 GENERAL REQUIREMENTS: See this chapter of the UMC except as provided below.

- A. **304.3 Access to equipment and appliances on roofs. 304.3.1 Access.** See this section of the UMC except after the words "in height" add the following: except those designated as R-3 occupancies.
- B. **305.1 Installation in garages.** At the end of the last sentence delete the following text: "unless listed as a flammable vapor ignition resistant.
- C. **305.5 Drainage Pan.** See this section of the UMC except after each term "water heater" add the following: or hot-water-heating boiler.
- D. **311.0 Heating and cooling air system.** See this section of the UMC except as follows: **311.3 Prohibited source.** See this section of the UMC except delete the text of subsection (5) and replace with the following: a closet, bathroom, laundry room, toilet room, kitchen; or where it will pick up objectionable odors, fumes, or flammable vapors.
- E. **314.0 Balancing.** Delete this section of the UMC and insert: Heating, ventilating, and air-conditioning systems (including hydronic systems) shall be balanced in accordance with the standards pursuant to UMC chapter 17. [14.9.2.11 NMAC - Rp, 14.9.2.11 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.12 CHAPTER 4 VENTILATION AIR: See this chapter of the UMC except as provided below.

- A. **405.3 Bathroom Exhaust.** See this section of the UMC except add the following: Exception: Residential Occupancies with an operable window located in the same room.
- B. **405.4 Kitchen Exhaust.** See this section of the UMC except after the words "directly to the outdoors" add the following: unless listed for recirculation. [14.9.2.12 NMAC - Rp, 14.9.2.12 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.13 CHAPTER 5 EXHAUST SYSTEMS: See this chapter of the UMC except as provided below.

- 511.3 Makeup Air.** See this section of the UMC except add the following: windows and doors shall not be used for the purpose of providing makeup air. The exhaust and makeup air systems shall be connected by an electrical

interlocking switch. A device to sense continued air movement within the makeup air plenum shall be installed initiating a complete system shut-down if air-flow is interrupted.
[14.9.2.13 NMAC - Rp, 14.9.2.13 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.14 CHAPTER 6 DUCT SYSTEMS: See this chapter of the UMC except as provided below.

A. 603.11 Underground installation. See this section of the UMC and add the following to the last sentence, "and be installed so as to support the weight of the concrete during encasement."

B. 609.0 Automatic shutoffs. 609.1 Air-moving systems and smoke detectors. See this section of the UMC and add the following to the exceptions: (6) automatic shutoffs are not required on evaporative coolers that derive all of their air from outside the building.

[14.9.2.14 NMAC - Rp, 14.9.2.14 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.15 CHAPTER 7 COMBUSTION AIR: See this chapter of the UMC.

[14.9.2.15 NMAC - Rp, 14.9.2.15 NMAC, 05/15/2018]

14.9.2.16 CHAPTER 8 CHIMNEYS AND VENTS: See this chapter of the UMC except as provided below. **803.1.10 Chimney and Vents.** See this section of the UMC except delete the following language: "Where vents extend outdoors above the roof more than 5 feet (1524mm) higher than required by Table 802.6.1, and where vents terminate in accordance with Section [802.6.2(1)] 802.6.1 (1)(b), the outdoor portion of the vent shall be enclosed as required by this section for vents not considered to be exposed to the outdoors or such venting shall be engineered."

[14.9.2.16 NMAC - Rp, 14.9.2.16 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.17 CHAPTER 9 INSTALLATION OF SPECIFIC APPLIANCES: See this chapter of the UMC except as provided below. **907.2 Location.** See this section of the UMC except add the following to the end: unlisted wall furnaces shall be installed with clearances to combustible material of not less than eighteen (18) inches (460 mm).

[14.9.2.17 NMAC - Rp, 14.9.2.17 NMAC, 05/15/2018]

14.9.2.18 CHAPTER 10 BOILERS AND PRESSURE VESSELS: See this chapter of the UMC.

[14.9.2.18 NMAC - Rp, 14.9.2.18 NMAC, 05/15/2018]

14.9.2.19 CHAPTER 11 REFRIGERATION: See this chapter of the UMC.

[14.9.2.19 NMAC - Rp, 14.9.2.19 NMAC, 05/15/2018]

14.9.2.20 CHAPTER 12 HYDRONICS: See this chapter of the UMC except as provided below. **1205.2 Pressure testing.** See this section of the UMC except delete the first sentence and substitute: system piping shall be tested with a hydrostatic pressure or an air test of not less than 1.5 times operating pressure.

[14.9.2.20 NMAC - Rp, 14.9.2.20 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.21 CHAPTER 13 FUEL GAS PIPING: See this chapter of the UMC except as provided below.

A. 1308.5.2.2 Copper and copper alloy pipe. Delete this section and substitute with the following: Copper and copper alloy pipe shall not be used. Aluminum alloy pipe shall not be used with gases corrosive to such material.

B. 1310.11.2 Emergency shutoff valves. See this section of the UMC except delete the following: the emergency shutoff valves shall be plainly marked as such and their locations posted as required by the authority having jurisdiction. Add the following to the end: For purposes of isolation and safety, an additional approved gas shut off valve shall be installed downstream of the serving supplier gas meter prior to any distribution of gas into the gas piping system

C. 1311.0 Electrical bonding and grounding. Delete this section of the UMC and see [14.10.4] subsection G of 14.10.4.11 NMAC.

D. 1312.11 Liquefied petroleum gas facilities and piping. Delete this section of the UMC and substitute the following: Liquefied petroleum gas facilities shall comply with Sections 70-5-1 through 70-5-23 NMSA 1978, the LPG and CNG Act and with 19.15.40 NMAC liquefied petroleum gas standards.

E. 1313.3 Test pressure. See this section of the UMC except add the following: Exception: An existing gas piping system may be tested at a test pressure equal to one and one-half times their operating pressure of the system, but in no case shall it be tested at less than 3 psi.
[14.9.2.21 NMAC - Rp, 14.9.2.21 NMAC, 05/15/2018; A, 3/10/2022]

14.9.2.22 CHAPTER 14 PROCESS PIPING: See this chapter of the UMC.
[14.9.2.22 NMAC - Rp, 14.9.2.22 NMAC, 05/15/2018]

14.9.2.23 CHAPTER 15 SOLAR SYSTEMS: See this chapter of the UMC.
[14.9.2.23 NMAC - Rp, 14.9.2.23 NMAC, 05/15/2018]

14.9.2.24 CHAPTER 16 STATIONARY POWER PLANTS: See this chapter of the UMC.
[14.9.2.24 NMAC - Rp, 14.9.2.24 NMAC, 05/15/2018]

14.9.2.25 [RESERVED]

14.9.2.26 [RESERVED]

14.9.2.27 CHAPTER 17 REFERENCED STANDARDS: See this chapter of the UMC.
[14.9.2.27 NMAC - Rp, 14.9.2.27 NMAC, 05/15/2018]

14.9.2.28 APPENDICES: See this section of the UMC except delete appendix A and appendix B.
[14.9.2.28 NMAC - Rp, 14.9.2.28 NMAC, 05/15/2018; A, 3/10/2022]

HISTORY OF 14.9.2 NMAC:

Pre-NMAC History: The material in this part was derived from that previously filed with state records center and archives under:

CIC MB 68-2, 1964 New Mexico Plumbing Code, filed 1/23/1968.
CIC MB 70-8, 1970 Plumbing Code of New Mexico, filed 4/29/1970.
CIC MB 71-4, 1970 Plumbing Code of New Mexico, filed 6/8/1971.
CIC MB 74-9, 1973 Uniform Plumbing Code, filed 11/20/1974.
CIC 76-1, 1976 Uniform Plumbing Code, filed 5/4/1976.
CIC MB 80-5, 1979 Uniform Plumbing Code, filed 4/24/1980.
MB-UPC-82-1, 1982 Uniform Plumbing Code, filed 11/4/1982.
MB-UPC-85-1, 1985 Uniform Plumbing Code, filed 10/1/1985.
MB-UPC-88-1, 1988 Uniform Plumbing Code, filed 12/15/1988.
MB-UPC-91-1, 1991 Uniform Plumbing Code, filed 7/28/1992.
CIC MB 68-3, 1966 New Mexico Gas Code, filed 1/23/1968.
CIC MB 70-7, 1970 Natural Gas Code of New Mexico, filed 4/29/1970.
CIC MB 71-3, 1970 Natural Gas Code of New Mexico, filed 6/8/1971.
CIC-74-8, 1973 Uniform Mechanical Code, filed 11/20/1974.
CIC 76-4, 1976 Uniform Mechanical Code, filed 11/24/1976.
CID MB 80-3, 1979 Uniform Mechanical Code, filed 4/23/1980.
MB-UMC-82-1, 1982 Uniform Mechanical Code, filed 11/4/1982.
MB-UMC-85-1, 1985 Uniform Mechanical Code, filed 10/1/1985.
MB-UMC-88-1, 1988 Uniform Mechanical Code, filed 12/15/1988.
MB-UMC-91-1, 1991 Uniform Mechanical Code, filed 7/28/1992.
CIC 77-3, 1976 New Mexico Uniform Solar Energy Code, 2/26/1977.
CID MB-80-6, 1979 Uniform Solar Energy Code, 4/24/1980.
MB-USEC-82-1, 1982 Uniform Solar Energy Code, filed 11/4/1982.
MB-USEC-85-1, 1985 Uniform Solar Energy Code, 12/23/1985.
MB-USEC-88-1, 1988 Uniform Solar Energy Code, 12/15/1988.
MB-USEC-91-1, 1991 Uniform Solar Energy Code, 7/28/1992.
CIC-75-1, 1973 Uniform Swimming Pool Code, Section 1.7, 10/31/1975.
CIC-76-3, 1976 Uniform Swimming Pool Code, 7/27/1976.
CIC MB 80-4, 1979 Uniform Swimming Pool Code, filed 4/23/1980.

MB-USPC-82-1, 1982 Uniform Swimming Pool Code, 11/4/1982.
MB-USPS and HTC-85-1, 1985 Uniform Swimming Pool, Spa and Hot Tub Code, 12/23/1985.
MB-USPS and HTC-88-1, 1988 Uniform Swimming Pool, Spa and Hot Tub Code, 12/15/1988.
MB-USPS and HTC-91-1, 1991 Uniform Swimming Pool, Spa and Hot Tub Code, 7/28/1992.
CID-MB-NMP&M 91-1, 1991 New Mexico Plumbing and Mechanical Code, 7/7/1992.

History of Repealed Material: 14 NMAC 9.2, 1997 New Mexico Plumbing and Mechanical Code (filed 10/30/1998), repealed 7/1/2004.

14.9.2 NMAC, 2003 New Mexico Mechanical Code (filed 5/27/2004), repealed 1/7/2004.
14.9.2 NMAC, 2006 New Mexico Mechanical Code (filed 08/16/2007), repealed 1/28/2011.
14.9.2 NMAC, 2006 New Mexico Mechanical Code (filed 12/28/2010), repealed 8/1/2011
14.9.2 NMAC, 2009 New Mexico Mechanical Code (filed 06/15/2011), repealed 6/28/2013.
14.9.2 NMAC, 2009 New Mexico Mechanical Code (filed 05/29/2013), repealed 5/01/2015.
14.9.2 NMAC, 2012 New Mexico Mechanical Code (filed 03/31/2015), repealed 05/15/2018.

Other History:

CID-MB-NMP&M 91-1, 1991 New Mexico Plumbing and Mechanical Code, (filed 7/7/1992), replaced by 14 NMAC 9.2, 1997 New Mexico Plumbing and Mechanical Code, effective 12/31/1998.
14 NMAC 9.2, 1997 New Mexico Plumbing and Mechanical Code (filed 10/30/1998) (that applicable portion) replaced by 14.9.2 NMAC, 2003 New Mexico Mechanical Code, effective 7/1/2004.
14.9.2 NMAC, 2003 New Mexico Mechanical Code (filed 5/27/2004) replaced by 14.9.2 NMAC, 2006 New Mexico Mechanical Code, effective 1/1/2008.
14.9.2 NMAC, 2006 New Mexico Mechanical Code (filed 08/16/2007) replaced by 14.9.2 NMAC, 2009 New Mexico Mechanical Code, effective 1/28/2011.
14.9.2 NMAC, 2009 New Mexico Mechanical Code (filed 12/28/2010) replaced by 14.9.2 NMAC, 2009 New Mexico Mechanical Code, effective 8/1/2011.
14.9.2 NMAC, 2009 New Mexico Mechanical Code (filed 06/15/2011) replaced by 14.9.2 NMAC, 2009 New Mexico Mechanical Code, effective 6/28/2013.
14.9.2 NMAC, 2009 New Mexico Mechanical Code (filed 05/29/2013) replaced by 14.9.2 NMAC, 2012 New Mexico Mechanical Code, effective 05/01/2015.
14.9.2 NMAC, 2012 New Mexico Mechanical Code (filed 03/31/2015) replaced by 14.9.2 NMAC, 2015 New Mexico Mechanical Code, effective 05/15/2018.