



**SOUTHERN NEVADA AMENDMENTS
TO THE
2024 UNIFORM MECHANICAL CODE**

Plumbing and Mechanical Code Committee
Revised January 23, 2025

Preface

This document was developed by the Southern Nevada Building Officials' (SNBO) *Plumbing and Mechanical Code* Committee and presents amendments to the 2024 *Uniform Mechanical Code* (UMC) as published by the *International Code Council* (ICC).

Participation in the 2024 *Plumbing and Mechanical Code* Committee was open to all interested parties. However, voting on amendments proposals was limited to one vote each for seven Southern Nevada municipalities (Clark County, Henderson, Las Vegas, North Las Vegas, Boulder City, Pahrump, and Mesquite), the Clark County School District, and three industry representatives. All committee proceedings were conducted in accordance with Robert's Rules of Order.

The recommended amendments contained herein are not code unless adopted and codified by governmental jurisdictions. These amendments are not intended to prevent the use of any material or method of construction not specifically prescribed herein, provided any alternates have been approved and their use authorized by the Building Official. This document may be copied and used in whole or in part without permission or approval from the organizations listed on the cover page.

Table of Contents

Chapter 1	4
Chapter 2, Section 203.0-A	5
Chapter 2, 207.0-E.....	6
304.3.1	7
304.3.1.2	8
504.4	10
504.4.2.1	11
508.4	12
510.1.6.1	14
510.3.3.3	15
511.2.2.3	17
603.12	18
603.4.1	19
609.1	21
802.6.1	22
932.1	23
1001.0	24
1119.1	25
1301.0	26
1310.1.6	27

Uniform Mechanical Code

Chapter 1

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 1

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC Chapter 1 - Administration

PROPONENT: P/M Code Committee

SECTION: Chapter 1: Administration

PROPOSAL: *Delete Chapter 1 in its entirety, except for sections 101.1, 101.2 and 101.3.*

Add Section 101.4 Appendices. Only Appendix G and I are adopted.

JUSTIFICATION: To avoid conflicts with local jurisdiction administrative code requirements.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y	Y		Y	Y	Y	Y	

RESULT: Motion passes

Chapter 2, Section 203.0-A

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 2

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC, Chapter 2, Section 203.0, Air Dispersion System Definition

PROPONENT: Fredric Zwerg

SECTION: 203.0 -A-

PROPOSAL: Revise Air Dispersion Systems definition as follows:

Air Dispersion Systems: Materials intended for use in air handling systems in exposed locations
Any diffuser system designed to both convey air within a room, space or area and diffuse air into
that space while operating under positive pressure. Systems are commonly constructed of, but
not limited to, fabric or plastic film.

JUSTIFICATION: The existing definition is too broad, vague and is not consistent with industry standards and interpretations. The existing definition is materials based and not aligned with the system definition intent.

F & H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 3

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 207.0-E / Energy Recovery Ventilation (ERV) System

PROPONENT: Clark County

SECTION: **207.0 -E-**

PROPOSAL: To replace the definition for Energy Recovery Ventilation (ERV) System.

Revise as follows: ~~A device intended to provide outdoor ventilation air, and in the process transfer energy between the intake and exhaust airstreams for the purpose of preheating, precooling, humidifying, or dehumidifying outdoor ventilation air prior to supplying such air to a conditioned space. Systems that employ air-to-air heat exchangers to recover energy from exhaust air for the purpose of preheating, precooling, humidifying, or dehumidifying outdoor ventilation air prior to supplying the air to a space, either directly or as part of an HVAC system.~~

JUSTIFICATION: To use the 2021 IECC definition of ERV System. Code correlation. The 2021 IECC cannot be amended.

E

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y	Y		Y	Y	Y	Y	N

RESULT: Motion passes

304.3.1

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 4

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 304.3.1

PROPONENT: Brad Elliott, City of Las Vegas

SECTION: 304.3.1 Access from the Inside

PROPOSAL: Revise Section 304.3.1 to read as follows:

304.3.1. Access. Buildings of more than 15 feet in height shall have an ~~inside~~ interior or exterior means of access to the roof ~~unless other means acceptable to the Authority Having Jurisdiction are used.~~ in accordance with sections 304.3.1.1 and 304.3.1.2 as applicable.

JUSTIFICATION: Section 304.3.1.2 was amended in past code cycles to allow for permanent exterior ladders as an additional means to access equipment and appliances on roofs. However, Section 304.3.1 was not amended to have language that clearly states that interior and exterior is acceptable and the two sections did not work together. Section 304.3.1 base code language said inside access was required “unless other means acceptable by the AHJ”, but users of the code that were unfamiliar with the intent did not understand that meant exterior access is allowed per the amendment to Section 304.3.1.2 of the UMC. This amendment is intended to provide clear and transparent language as to the intent of the code.

F, H, J

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

304.3.1.2

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 5

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 304.3.1.2 Permanent Ladders

PROPONENT: P/M Code Committee

SECTION: **304.3.1.2 Permanent Ladders**

PROPOSAL: **Revise Section 304.3.1.2 Permanent Ladders to read as *follows*:**

Permanent ladders required by Section 304.3.1.1 or exterior ladders shall be constructed in accordance with the following:

- (1) Side railings shall extend not less than 30 inches (762 mm) above the roof or parapet wall.
- (2) Landings shall not exceed 18 feet (5486 mm) apart measured from the finished grade.
- (3) Width shall be not less than 14 inches (356 mm) on center.
- (4) Rungs spacing shall not exceed 12 inches (305 mm) on center, and each rung shall be capable of supporting a 300 pound (136.1 kg) load.
- (5) Toe space shall be not less than 6 inches (152 mm).

Exceptions:

1. Permanent ladders providing roof access need not extend closer than eight (8) feet (2438 mm) to the finish grade.
2. A portable ladder may be used for access for a Group R Division 3 and 4 and U occupancies.
3. Permanent ladders for equipment access need not be provided at parapets or walls less than thirty (30) inches (762mm) in height.

JUSTIFICATION: To clarify roof access requirements and to provide consistency of code interpretation and enforcement. To provide consistency between the UPC and UMC.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	Y

RESULT: Motion passes

504.4

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 6

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 504.4 – Clothes Dryers

PROPONENT: P/M Code Committee

SECTION: **504.4 Clothes Dryers**

PROPOSAL: ***Revise Subsection 504.4 by adding a new exception, as follows:***

Exception: When moisture exhaust ducts terminate vertically through a roof, backdraft dampers are not required.

JUSTIFICATION: This amendment is necessary to prevent a possible fire hazard as a result of the unique design of moisture exhaust ducts which terminate vertically through roofs. Typical moisture exhaust ducts designs run horizontally and backdraft dampers are required for horizontal installations.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

504.4.2.1

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 7

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 504.4.2.1 – Length Limitation

PROPONENT: P/M Code Committee

SECTION: 504.4.2.1

PROPOSAL: Section 504.4.2.1 is amended by the addition of an exception (2) to read as follows:

REVISE AS FOLLOWS:

Exception: 2

Lengths may be increased when justified by calculations prepared by a Nevada Licensed Mechanical Engineer.

JUSTIFICATION: To provide requirements for engineered systems. Unique design.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to Accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion Passes

508.4

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 50-A

COMMITTEE: STRUCTURAL/GEOTECHNICAL

CODE SECTION: UMC 508.4

PROPONENT: CITY OF LAS VEGAS & STEVE SCHILLER

PROPOSAL: To coordinate hood assembly design requirements as found in the UMC with the IBC structural engineering code and referenced codes.

REVISE AS FOLLOWS: Revise UMC 2024 subsection 508.4 as follows:

508.4 Supports. Hoods shall be secured in place to resist lateral loads calculated in accordance with ASCE 7-22 by noncombustible supports. The structure, anchors, and supports shall be capable of supporting the expected weight of the hood plus 800 pounds (362.9 kg) operating weight of the hood assembly, a 300-pound (136.1 kg) live load, and lateral demands of the hood assembly. Where maintenance access has been provided independently of the hood, the 300-pound (136.1 kg) live load need not be applied. Lateral demands may be resisted by attaching the hood assembly to a non-combustible wall assembly with adequate capacity to resist those demands.

JUSTIFICATION: The UMC has identified a valid design concern relating to the application of live loads to the supports of hoods that require regular maintenance to provide for safety when a maintenance worker uses the hood as a work platform. However, design loads for mechanical components are typically set forth in ASCE 7. ASCE 7-22 Section 13.6, and by reference section 13.4, sets forth the basic requirements for attachment and seismic design criteria. ASCE 7-22 Section 4.4 provides direction on the application of a concentrated live load and refers to table 4.3-1 for the magnitude of the concentrated loads. The most analogous Use in table 4.3-1 appears to be “Catwalks for Maintenance and Service Access” which, requires a Concentrated Live Load of 300 pounds (service level). The 300 pound load is reasonable for this application. The 800 pound load would represent an ultimate load of a 300 pound person and 200 pounds of tools and equipment combined with a load factor of 1.6 which, seems excessive.

Where alternate access has been provided for the hoods, the 300 pound concentrated load is redundant and unnecessary.

Local practice is to brace hoods laterally, where they are adjacent to a wall, using the wall. So long as the wall has adequate strength to resist the lateral loads, it should be permissible to use the wall to provide resistance to lateral loads.

SNBO CRITERIA: Check all applicable SNBO Criteria that apply to amendment proposal:

A		B		C		D		E		F		G		H	X	I		J	
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COST IMPACT: Generally negligible. Potential marginal reductions in cost of anchorage.

COMMITTEE ACTION:

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Nye County	North Las Vegas	CC School District	Industry		
								1	2	3
Y (P)	Y	Y	Y	Y(P)	Y(P)	Y	Y(P)	Y	Y	Y

RESULT: Pass 11-0

510.1.6.1

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 8

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 510.1.6.1 Bracing and Supports

PROPONENT: P/M Code Committee

SECTION: **510.1.6 Bracing and Supports**

PROPOSAL: ***Add a new Subsection 510.1.6.1, as follows:***

510.1.6.1 Unless specifically listed, the structural supports for a duct enclosure shall be outside the enclosure.

JUSTIFICATION: To avoid collapse of the duct enclosure during a fire. Regional interpretation.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to Accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	Y

RESULT: Motion Passes

510.3.3.3

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 51-A

COMMITTEE: STRUCTURAL/GEOTECHNICAL

CODE SECTION: UMC 510.3.3.3

PROPONENT: CITY OF LAS VEGAS & STEVE SCHILLER

PROPOSAL: To coordinate ductwork assembly design requirements as found in the UMC with the IBC structural engineering code and referenced codes.

REVISE AS FOLLOWS: Revise UMC 2024 subsection 510.3.3.3 as follows:

510.3.3.3 Support. Support systems for horizontal grease duct systems 24 inches (610 mm) and larger in any cross-sectional dimension shall be designed for the operating weight of the ductwork assembly, a 300 pound (136.1 kg) live load, and lateral demands of the ductwork assembly calculated in accordance with ASCE 7-22 plus 800 pounds (362.9 kg) at any point in the duct systems. [NFPA 96:7.4.1.4]. Where maintenance access has been provided independently of the hood, the 300 pound (136.1 kg) live load need not be applied.

JUSTIFICATION: The UMC has identified a valid design concern relating to the application of live loads to the supports of grease ducts that require regular maintenance to provide for safety when a maintenance worker uses the duct as a work platform. However, design loads for mechanical components are typically set forth in ASCE 7. ASCE 7-22 Section 13.6, and by reference section 13.4, sets forth the basic requirements for attachment and seismic design criteria. ASCE 7-22 Section 4.4 provides direction on the application of a concentrated live load and refers to table 4.3-1 for the magnitude of the concentrated loads. The most analogous Use in table 4.3-1 appears to be "Catwalks for Maintenance and Service Access" which, requires a Concentrated Live Load of 300 pounds (service level). The 300 pound load is reasonable for this application. The 800 pound load from UMC would represent an ultimate load of a 300 pound person and 200 pounds of tools and equipment or (2) 250 pound workers combined with a load factor of 1.6 which, seems excessive.

The reference to ASCE 7-22 insures that lateral loads are considered in the design of grease duct supports.

Where alternate access has been provided for the ducts, the 300 pound concentrated load is redundant and unnecessary.

SNBO CRITERIA: Check all applicable SNBO Criteria that apply to amendment proposal:

Table with 14 columns labeled A through J, with 'X' marked in column H.

COST IMPACT: Generally negligible. Potential marginal reductions in cost of anchorage.

COMMITTEE ACTION:

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Nye County	North Las Vegas	CC School District	Industry		
								1	2	3
Y (P)	Y	Y	Y	Y(P)	Y(P)	Y	Y(P)	Y	Y	Y

RESULT: Pass 11-0

511.2.2.3

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 9

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 511.2.2.3 Performance Test Report

PROPONENT: P/M Code Committee

SECTION: **511.2.2.3 Performance Test Report**

PROPOSAL: ***Add a new Subsection 511.2.2.3 Performance Test Report, as follows:***

511.2.2.3 Performance Test Report. The permit holder shall provide the jurisdiction with an accurate, completed, and signed test report. The report shall be on a form supplied by the jurisdiction or on a form containing equivalent information. At the discretion of the building official, the performance test may be required to be witnessed by the Authority Having Jurisdiction, performed by an approved third party testing agency.

JUSTIFICATION: To provide for consistency in regional interpretation and application of the code requirements for third party testing of Type I Hoods.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 10

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC, Chapter 6, Section 603.12 Air Dispersion Systems

PROPONENT: Fredric Zwerg

SECTION: **603.12 Air Dispersion Systems**

PROPOSAL: Revise existing Air Dispersion System requirements as follows:

603.12 Air Dispersion Systems. Where installed, air dispersion systems shall be completely installed in exposed locations, ~~in-duct systems~~ operate under positive pressure, and not pass through or penetrate fire-resistant-rated construction. Air dispersion systems shall be listed and labeled in accordance with UL 2518.

JUSTIFICATION:

The existing requirement wording is confusing and needs to be revised to express the system requirements.

E & F

COST IMPACT: None. Clarification of code intent only.

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	Y

RESULT: Motion passes

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 11

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC, Chapter 6, Section 603.4.1 Length Limitation

PROPONENT: Fredric Zwerg

SECTION: 603.4.1 Length Limitation

PROPOSAL: Delete Section 603.4.1 Length Limitation

REVISE AS FOLLOWS:

~~603.4.1 Length Limitation. Factory-made flexible air ducts and connectors shall be not more than 5 feet (1524 mm) in length and shall not be used in lieu of rigid elbows or fittings.~~

~~Exception: Residential occupancies.~~

JUSTIFICATION:

The restriction of factory-made flexible duct to five (5) feet or less will not prevent or reduce the energy loss due to friction in properly designed air flow systems. The licensed engineer's design allows for acceptable pressure drops in the duct system regardless of the type of duct material (sheet metal, flexible duct, fiber board, etc.) used. This section restricts the ability of the design professional from using both appropriate and economical duct materials. This section does not restrict the location or the placement of flexible duct within an air handling system. Limited placement of flexible duct in a poorly designed system or a poorly installed system would still cause high pressure drops and reduced air flows. The licensed design engineer is responsible for designing a properly working system with code approved listed factory-made ducts. Restricting duct length based on an arbitrary length does not ensure good design.

The section's wording does not prevent the usage of multiple 5 foot (maximum) sections of flexible duct in an air system. Commercial HVAC designs already commonly use metal ducts and limit the use of flexible ducts. This provision is unnecessary and would increase the cost of installed systems.

Since this existing section does not prevent poor duct design, poor duct installation and does not achieve the stated intent or its stated justifications (reducing energy usage, providing building comfort or cost savings), deleting this section is not considered less restrictive.

F&H

COST IMPACT: Reduced cost or no cost impact.

COMMITTEE ACTION: Motion to paccept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
N	Y	Y	Y	Y		Y	N	N	Y	Y

RESULT: Motion passes

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 12

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 609.1 – Automatic Shutoffs

PROPONENT: P/M Code Committee

SECTION: **609.1 Automatic Shutoffs**

PROPOSAL: *Revise Section 609.1 by adding a new paragraph following the exceptions, as follows:*

Exception 6. Upon completion and before final approval of the air-moving system provided with the required smoke detectors, a performance test shall be performed to verify compliance of detector installation to manufacturer’s instructions and system compatibility as specified in this chapter. The permit holder shall furnish the necessary test equipment and devices required to perform the tests and shall provide the jurisdiction with an accurate, completed, and signed test report. The report shall be on a form supplied by the jurisdiction or on a form containing equivalent information. At the discretion of the building official, the performance test may be required to be witnessed by the Authority Having Jurisdiction, performed by an approved third party testing agency.

JUSTIFICATION: To provide for consistency in regional interpretation and application of the code requirements for third party testing of duct smoke detectors.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to Accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	Y

RESULT: Motion Passes

802.6.1

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 13

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 802.6.1 – Termination Requirements

PROPONENT: P/M Code Committee

SECTION: **802.6.1 Termination Requirements**

PROPOSAL: **Add an exception to 802.6.1 (1) to read as follows:**

Exception: A single-family residence having gas vents twelve (12) inches (300 mm) in size or smaller with listed caps shall be permitted to be terminated in accordance with Figure 802.6.1, provided they are at least four (4) feet (1.2 m) from a vertical wall or similar obstruction.

Items (2) through (7) remain unchanged.

JUSTIFICATION: To be consistent with structural and climatic conditions in Southern Nevada

D, F & H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 14

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 932.1

PROPONENT: P/M Committee

PROPOSAL: Add sentence to Section 932.1

REVISE AS FOLLOWS:

932.1 General. Evaporative cooling systems, including air ducts and fire dampers that are a portion of an evaporative cooling systems, shall be in accordance with Section 932.2 through Section 932.4.3. Evaporative cooling systems shall be provided with outside air as specified for cooling systems in Section 403.0. Evaporative cooling systems shall comply with the applicable water service rules and municipal codes by the authority having jurisdiction.

JUSTIFICATION: This amendment addresses the new service rules of the Las Vegas Valley Water District (LVVWD) that prohibits the use of evaporative cooling systems submitted and permitted after specific dates. The concern of the water levels at Lake Mead is paramount to the conservation efforts being mandated by the LVVWD new service rules dated January 3, 2023.

B & C

COST IMPACT: None

COMMITTEE ACTION: Motion to reconsider

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y	Y		Y	Y	Y	Y	Y

RESULT: Motion passes

1001.0

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 15

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 1001.0 – Applicability (Steam and Hot Water Boilers)

PROPONENT: P/M Code Committee

SECTION: Chapter 10, Boilers and Pressure Vessels

PROPOSAL: *Delete Chapter 10 in its entirety except Section 1001.1 and revise Section 1001.1, as follows:*

1001.1 Applicability. For boilers and water heaters less than 120 gallon capacity, or a BTU input rating less than 200,000, or less than 160 pounds per square inch of pressure, see Chapter 5 of the Uniform Plumbing Code. For all other units, contact the Mechanical Section of the Nevada Division of Occupational Safety and Health, part of the Office of Business and Industrial Relations.

Keep Exceptions (1) through (9).

JUSTIFICATION: To correlate and avoid conflict with NRS 455C (Boilers, Elevators and Pressure Vessels), that was changed as a result of SB205 (2021 session), requirements.

E & H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

1119.1

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 16

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 1119.1

PROPONENT: Fredric Zwerg

SECTION: UMC 1119.1

PROPOSAL: REVISE AS FOLLOWS: To add sentence to the end of section 1119.1 Applicability

1119.1 Applicability. Cooling towers, evaporative condensers, fluid coolers, and associated remote sump tanks shall be readily accessible. Where located on roofs, such equipment having combustible exterior surfaces shall be protected with an approved automatic fire-extinguishing system. Evaporative cooling systems shall comply with the applicable water service rules and municipal codes by the authority having jurisdiction.

JUSTIFICATION:

This amendment addresses the new Las Vegas Valley Water District (LVVWD) Service Rules that prohibits the use of evaporative cooling systems submitted and permitted after specific dates.

B, C, E & H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y	Y		Y	Y	Y	Y	

RESULT: Motion passes

1301.0

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 17

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 1301.0 Scope of Gas Piping

PROPONENT: Plumbing and Mechanical Committee

SECTION: 1301.0 Scope of Gas Piping

PROPOSAL: *Revise Section 1301 by adding a new Subsection 1301.2, as follows:*

1301.2 Dry Gas

Southern Nevada shall be considered a dry gas condition having a moisture and hydrocarbon dew point below any normal temperature to which the gas piping is in an exposed area, unless specified by the local gas purveyor.

JUSTIFICATION: To provide a clarification to section 1310.9, drips and sediment traps.

B & H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y			Y	Y	Y	Y	

RESULT: Motion passes

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 18

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UMC 1310.1.6 Piping Underground Beneath Buildings

PROPONENT: P/M Code Committee

SECTION: 1310.1.6 Piping Underground Beneath Buildings

PROPOSAL: Revise Section 1310.1.6 as follows:

1310.1.6 Piping Underground Beneath Buildings. All gas piping under a slab shall be capable of being removed and replaced without disturbing the slab. Where gas piping is installed underground beneath any buildings, structure or appurtenance including, but not limited to, porches and steps, whether covered or uncovered, breezeways, roofed porte-cocheres, roofed patios, carports, covered walks, and covered driveways, the piping shall be either of the following:

- (1) Encased in an approved conduit that shall be not less than one-half (1/2) inch (15mm) larger than the outside diameter of the gas piping, not less than Schedule 40 pipe, designed to withstand the imposed loads and installed in accordance with Section 1310.1.6.1 or Section 1310.1.6.2.
- (2) A piping/encasement system listed for installation beneath buildings. [NFPA 54:7.1.6]

1310.1.6.1 Conduit with One End Terminating Outdoors. The conduit shall extend into an accessible portion of the building and, at the point where the conduit terminates in the building, the space between the conduit and the gas piping shall be sealed to prevent the possible entrance of any gas leakage. Where the end sealing is of a type that retains the full pressure of the pipe, the conduit shall be designed for the same pressure as the pipe. The conduit shall extend at least 12 inches (305 mm) ~~4 inches (102 mm)~~ outside the building, be vented outdoors above finished ground level, and be installed so as to prevent the entrance of water and insects. [NFPA 54:7.1.6.1]

1310.1.6.2 Conduit with Both Ends Terminating Indoors. Where the conduit originates and terminates within the same building, the conduit shall originate and terminate in an accessible portion of the building and shall not be sealed. [NFPA 54:7.1.6.2]

JUSTIFICATION: Required to provide consistency in regional interpretation and application of the codes.

H

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								MCA	PHCC NV	Engineers
Y	Y	Y	Y	Y		Y	Y	Y	Y	

RESULT: Motion passes