



**SOUTHERN NEVADA AMENDMENTS  
TO THE  
2024 UNIFORM PLUMBING 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 Plumbing Code* (UPC) 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.

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# Uniform Plumbing Code

## Chapter 1

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### SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: \_\_\_\_\_ 1 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC Chapter 1 Administration \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** 101 General

**PROPOSAL:** *Delete Chapter 1, with the exception of Sections 101.0, 101.1, 101.2, 101.3 and 101.4. Replace Section 101.5 and add Section 101.6 to read as follows:*

**101.5 Plumbing Licensing Provision.** Provision for licensing shall be determined by the Administration Provision of Authority Having Jurisdiction.

**101.6 Appendices.** The following appendices are specifically adopted, Appendix A, Appendix B, Appendix C, Appendix D, Appendix E, Appendix G, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix Q, and Appendix R.

**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	N

**RESULT:** Motion passes

207.0

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:**                     2                    

**COMMITTEE:**           Plumbing and Mechanical          

**CODE SECTION:**           Definitions, Section 207.0          

**PROPONENT:**           Fredric Zwerg          

**SECTION:**    **207.0 Definitions**

**PROPOSAL:** **Revise as follows: Expansion Tank.** A vessel used to protect ~~potable water~~ closed systems from excessive pressure.

**JUSTIFICATION:** Expansion tanks are not solely used in only potable water systems. They are used in other non-potable HVAC space heating and cooling systems. The revised definition allows for this and is consistent to the definition recently added in the 2024 Uniform Mechanical Code, Definition, Section 207.0. The two codes now have consistent definitions.

**E, 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**

310.4

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 3

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 310.4 Use of vent and waste pipes

PROPOSER: P/M Code Committee

PROPOSAL: Amend section 310.4 by deleting the second sentence and adding a new exception to read as follows:

REVISE AS FOLLOWS:

310.4 Except as hereinafter provided in Sections 908.0 through 911.0, no vent pipe shall be used as a soil or waste pipe, nor shall a soil or waste pipe be used as a vent. Also, single-stack drainage and venting systems with unvented branch lines are prohibited.

Exception: Single stack DWV systems may be used provided they are designed by a Nevada registered Mechanical Engineer and approved by the authority having jurisdiction.

JUSTIFICATION: To allow the use of engineered single stack system which have been used in Southern Nevada for decades. Unique designs.

G & H

COST IMPACT: Decrease

COMMITTEE ACTION: Motion to accept

Table with 11 columns: Boulder City, Clark County, Henderson, Las Vegas, Mesquite, Pahrump, North Las Vegas, CC School District, Industry (MCA, PHCC NV, Engineers). All cells contain 'Y'.

RESULT: Motion passes

## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.:                     4                    

COMMITTEE:           Plumbing and Mechanical          

CODE SECTION:       Section 401.2 Quality of Fixtures      

PROPOSER:           P/M Code Committee          

**SECTION:** 401.2 Quality of Fixtures

**PROPOSAL:** Add new Section 401.2.1 and exception to read as follows:

**401.2.1 Water Sense Program.** Lavatory faucets, urinals, water closets and showerheads installed in every residential, commercial, or industrial structure on which construction begins on or after January 1, 2020 shall be certified to EPA Water Sense – 2007 High Efficiency Lavatory Faucet Specification, EPA Water Sense – 2009 Specification for Flushing Urinals, EPA Water Sense – 2014 Specification for Tank-Type Toilets, EPA Water Sense – 2015 Specification for Flushometer-Valve Water Closets, EPA Water Sense – 2018 Specification for Showerheads, as applicable. All other plumbing fixtures shall have consumption rates as required by other sections of this code, as applicable.

Exception: If the Water Sense program modifies the requirements for a plumbing fixture to be certified under the Water Sense program, a plumbing fixture that was certified under the previous requirements shall be deemed certified for use under the Water Sense program for period of 12 months following the modification of the requirements for certification.

**JUSTIFICATION:** To comply with NRS 278.582, which requires plumbing fixtures in all residential, commercial, and industrial structure on which construction begins on or after January 1, 2020, and each existing residential, commercial, and industrial structure which is expanded or renovated on or after January 1, 2020 shall be EPA Water Sense Certified.

B, C, 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	Y

**RESULT: Motion passes**

407.2.1

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.: 5

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC Section 407.2.1 Maximum Flow Rates

PROPONENT: P/M Code Committee

**SECTION:** 407.2.1 Maximum Flow Rates

**PROPOSAL:** *Revise Subsection 407.2.1 to read as follows;*

**407.2.1 Maximum Flow Rates.** The maximum flow rate for public lavatory faucets shall not exceed 0.5 gpm at 60 psi (1.9 L/m at 414 kPa) and ~~2-2~~ 1.5 gpm at 60 psi (5.7 L/m at 414kPa) for private lavatory faucets.

**JUSTIFICATION:** To comply with NRS 278.582, which requires plumbing fixtures in all residential, commercial, and industrial structure on which construction begins on or after January 1, 2020, and each existing residential, commercial, and industrial structure which is expanded or renovated on or after January 1, 2020 shall be EPA Water Sense Certified.

**B, C, 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	Y

**RESULT:** Motion passes

407.4

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:**                                 6                                

**COMMITTEE:**           Plumbing and Mechanical                                

**CODE SECTION:**           UPC 407.4 Transient Public Lavatories                                

**PROPOSER:**                   P/M Code Committee                                

**SECTION:**     **407.4 Transient Public Lavatories**

**PROPOSAL:**   ***Revise Section 407.4 in its entirety to read as follows:***

**407.4 Public Lavatories.** ~~Self-closing or metering faucets shall be installed on lavatories in public restrooms. Multiple faucets that are activated from a single point shall not be installed. intended to serve the transient public, such as those in, but not limited to service stations, train stations, airports, restaurants, and convention halls.~~

**JUSTIFICATION:** To stay consistent with the LVVWD service rules and NRS 278.582.

**B, C, E**

**COST IMPACT:**

**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	Y

**RESULT:** **Motion passes**

408.3

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 7

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC Section 408.3 Water Consumption

**PROPONENT:** P/M Code Committee

**SECTION:** 408.3 Water Consumption

**PROPOSAL:** *Revise Subsection 408.3 to read as follow;*

**408.3 Showerheads.** Showerheads shall have a maximum flow rate of no more than ~~2.5~~ 2.0 gpm at 80 psi. (7.5L/m at 552 kPa). Body sprays shall have a flow rate of not more than ~~2.5~~ 2.0 gpm at 80 psi (7.5L/m at 552 kPa).

**JUSTIFICATION:** To comply with NRS 278.582, which requires plumbing fixtures in all residential, commercial, and industrial structure on which construction begins on or after January 1, 2020, and each existing residential, commercial, and industrial structure which is expanded or renovated on or after January 1, 2020 shall be EPA Water Sense Certified.

**B, C, 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	

**RESULT:** Motion passes

411.2

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 8

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 411.2 Water Consumption

PROPONENT: P/M Code Committee

SECTION: 411.0 Water closets

PROPOSAL: Revise Sections 411.2 and 411.2.2 to read as follows:

411.2 Water Consumption Water closets shall have a maximum consumption not to exceed 4.6 1.28 gallons (4.8 liters) of water per flush. A timing device or other mechanism which will automatically flush a water closet periodically or continually is prohibited.

411.2.2 Flushometer Valve Activated Water Closets. Flushometer valve activated water closets shall have a maximum flush volume of 4.6 1.28 gallons (4.8 liters) of water per flush. A timing device or other mechanism which will automatically flush a water closet periodically or continually is prohibited.

JUSTIFICATION: To comply with NRS 278.582, which requires plumbing fixtures in all residential, commercial, and industrial structure on which construction begins on or after January 1, 2020, and each existing residential, commercial, and industrial structure which is expanded or renovated on or after January 1, 2020 shall be EPA Water Sense Certified

B, C, E

COST IMPACT: None

COMMITTEE ACTION: Motion to accept

Table with 11 columns: Boulder City, Clark County, Henderson, Las Vegas, Mesquite, Pahrump, North Las Vegas, CC School District, Industry (MCA, PHCC NV, Engineers). All cells contain 'Y'.

RESULT: Motion passes

412.1

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 9

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC Section 412.1 Application

**PROPONENT:** P/M Code Committee

**SECTION:** **412.1 Application**

**PROPOSAL:** ***Revise Section 412.1 to read as follows:***

**412.1 Application.** Urinals shall comply with ASME A112.19.2/CSA B45.1, ASME A112.19.19., or CSA B45.5/IAPMO Z124, Urinals shall have an average water consumption not to exceed 4 0.5 gallons (1.9 L) of water per flush. A timing device or other mechanism which will automatically flush a urinal periodically or continually is prohibited.

**JUSTIFICATION:** To comply with NRS 278.582, which requires plumbing fixtures in all residential, commercial, and industrial structure on which construction begins on or after January 1, 2020, and each existing residential, commercial, and industrial structure which is expanded or renovated on or after January 1, 2020 shall be EPA Watersense Certified.

**B, C, 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	

**RESULT:** **Motion passes**

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

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**AMENDMENT NO.:**                                 10                                **COMMITTEE:** Plumbing and Mechanical                                **CODE SECTION:** UPC Section 415.2 Drinking Fountain Alternatives**PROPOSER:** P/M Code Committee                                **SECTION: Section 415.2 Drinking Fountain Alternatives****PROPOSAL:** Revise section 415.2 as follows:

**Section 415.2 Drinking Fountain Alternatives.** ~~Where food is consumed indoors, water stations shall be permitted to be substituted for drinking fountains. Bottle filling stations shall be permitted to be substituted for drinking fountains up to 50 percent of the requirements for drinking fountains. Drinking fountains shall not be required for an occupant load of 30 or less.~~ Drinking fountain alternatives shall be provided for the type of occupancy and in the minimum number as required by the currently adopted Building Code.

**JUSTIFICATION:** To correlate with the current adopted IBC code and amendments thereto for following reasons.

- 2018, 2021, 2024 IBC Section 2902.1 and Table 2902.1 addresses minimum plumbing fixtures required and UPC Section 422.0 has always been deleted and references the IBC to avoid confusion and redundancy. Removing this section would be consistent with that justification and our local code adoption history. Further, Section 415.2 is addressed in both current adopted 2018 & 2021 IBC with local amendments and future 2024 IBC with local amendments, specifically Table 2902.1 Footnotes E and G. At this time, we presume the 2024 IBC Amendments will stay the same as the past code cycles, however the 2024 IBC committee is still in session. SC Comment, the previous IBC amendment was passed by the IBC committee.
- Table 2902.1 Footnote E and UPC Section 415.2 are in direct conflict with each other in regard to when a drinking fountain is not required based on occupant load. Both codes address the same issue and typically the more specific and restrictive code applies. In this case the UPC Section 415.2 (30 or less occ) is more restrictive, therefore supersede the 2018 & 2021 IBC Table 2902.1 Footnote E (50 or less occ) every time the occupant load falls in between 50 and 31. The IBC Code Committee amended Footnote E in the 2012 code cycle and increased the exception from 15 or less occupants to 50 or less occupants to help small businesses.
- Section 415.2 2024 UPC says where food is consumed indoors, water stations shall be permitted to be substituted drinking fountains, however Table 2902.1 Footnote G drinking fountains (including water stations as the UPC states) are NOT required when water is provided in a container free of charge. These codes conflict with each other

because the language, terms, and intent are not aligned and are confusing for users of the code.

- Section 415.2 2024 UPC and Table 2902.1 Footnote G both address a substitution for up to 50% of the required drinking fountains but the UPC specifically requires a “bottle filling station” for up to 50% of the required drinking fountains whereas Footnote G allows a “water dispenser” which allows discretion from Code Officials.
- The UPC does not specify the type of occupancy where the 2018, 2021 and future 2024 IBC local amendments do. In fact, the 2024 IBC committee is changing language to be more inclusive of food and drink establishments. The UPC does not address “other occupancies” whereas Table 2902.1 Footnote G specifically says “In other occupancies” meaning not restaurants as they are addressed in the same footnote. The UPC requires “bottle filling stations” whereas the 2018, 2021, and future 2024 IBC local amendments use the term “water dispenser” which is a much broader term that is not specifically defined in the 2018, 2021 IBC amendments and future 2024 IBC amendments, presumably to allow Code Officials to use discretion and not be too specific as long as the intent is met.

Rather than amending Section 415.2 to correlate with the future 2024 IBC local amendments it just makes sense to delete this section since the committee is still in session and we don’t know the outcome. Why have two amendments? More importantly to stay consistent with past code cycles and delete when fixtures are required in the plumbing code and refer users to the current adopted IBC with local amendments.

**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	Y

**RESULT: Motion passes**



**418.3 Item (2)**

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 12

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 418.3 Location of Floor Drains

**PROPONENT:** P/M Code Committee

**SECTION:** 418.3 Location of Floor Drains

**PROPOSAL:** Amend Subsection, 418.3 Item 2 as follows:

**418.3 Item (2)** Commercial kitchens, and in accordance with Section 704.3.

**JUSTIFICATION:** This amendment is necessary to correlate with the amendment made in 704.3.

**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	Y	

**RESULT:** Motion passes

**418.3 Item (5)**

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** \_\_\_\_\_ 11 \_\_\_\_\_

**COMMITTEE:** \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

**CODE SECTION:** \_\_\_\_\_ UPC 418.3 Location of Floor Drains \_\_\_\_\_

**PROPONENT:** \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** 418.3 Location of Floor Drains

**PROPOSAL:** *Add a new Subsection, 418.3 Item 5 as follows:*

**418.3 Item (5)** All Fire Pump rooms shall be provided with a (3) inch (76 mm) minimum floor drain which must be connected to an approved trap primer.

**JUSTIFICATION:** This amendment is necessary to correlate with the IFC code adoption. The purpose of this amendment is to correlate with NFPA 20 requirements for a fire pump room. Since the plumbing plans are reviewed by building departments in accordance with the plumbing code, it is necessary to correlate this code in the plumbing code adoption.

**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	Y	Y

**RESULT:** Motion passes

								MCA	PHCC NV	Engineers
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422.0

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.:           13          

COMMITTEE:           Plumbing and Mechanical          

CODE SECTION: UPC 422.0 Minimum Number of Required Fixtures.

PROPONENT:           P/M Code Committee          

**PROPOSAL:** *Delete Section 422.1 through 422.5 and Table 422.1 in their entirety and replace 422.1 to read as follows:*

**422.1 Fixture Count.** Plumbing fixtures shall be provided for the type of occupancy and in the minimum number as required by the currently adopted Building Code.

**JUSTIFICATION:** To correlate with the current adopted IBC code requirements.

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	

**RESULT:** Motion passes

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 14

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** 507.5

**PROPONENT:** P/M Code Committee

**PROPOSAL:** Revise code section 507.5 to read as follows.

**REVISE AS FOLLOWS:**

Where a water heater is ~~located~~ installed in an attic, in or on an attic ceiling assembly, floor-ceiling assembly, floor-subfloor assembly or where damage results from a leaking water heater, a watertight pan of corrosion-resistant materials shall be installed beneath the water heater in accordance with the following:

- (1) The drainage pan shall be provided with not less than  $\frac{3}{4}$  of an inch ~~(20 mm)~~ diameter drain to an approved location. The terminating end of the drainpipe shall be readily visible.
- (2) The drainage pan shall be not less than 1-1/2 inches ~~(38 mm)~~ in depth.
- (3) Where a drainage pan pipe is installed, the material of the piping ~~shall be rated for the temperature rating of the water heater and~~ shall be approved for use with the liquid being discharged.
- (4) Discharge from a relief valve into a drainage pan shall be prohibited.

Exception 1: A drainage pan shall not be required for a tankless water heater installed in a readily accessible location.

Exception 2: A drainage pan shall not be required for a point of use water heater.

**JUSTIFICATION:** To clarify water heater pan requirements, specifically for tankless type heaters. And to allow for PVC/CPVC drainage piping to be acceptable discharge piping. **G,H**

**COST IMPACT: NONE**

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 passed**

508.3.1

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.: \_\_\_\_\_ 15 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC Section 508.3.1 Access \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** 508.3.1 Access.

**PROPOSAL:** Revise Section 508.3.1 to read as follows:

**508.3.1 Access.** Buildings of more than 15 feet (4572 mm) 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 section 508.3.2 as applicable.

**JUSTIFICATION:** Section 508.3.2 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 508.3.1 was not amended to have language that clearly states that interior and exterior is acceptable, and the two sections did not work together. Section 508.3.1 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 508.3.2 of the UPC. 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	Y	Y

**RESULT:** Motion passes

## 508.3.2

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# SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: \_\_\_\_\_ 16 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC 508.3.2 Access Type \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** 508.3.2 Access Type

**PROPOSAL:** *Add additional paragraph to Section 508.3.2:*

### 508.3.2 Access Type

Permanent ladders required by Section 508.3.1 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 exterior 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 provide consistency in regional interpretation and application of the code requirements to access appliances on the roof and to correlate with the 2024 UPC 508.3.1, 2024 UMC Sections 304.3.1 & 304.3.1.2 amendments.

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	Y

**RESULT: Motion Passes**



509.6.1

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.: 17

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 509.6.1 Termination requirements

PROPONENT: P/M Code Committee

**SECTION:** 509.6.1 Termination requirements.

**PROPOSAL** Add an exception to *Subsection 509.6.1, item #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 509.6.1, 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. Example: Two story home with one story garage, cannot make the grade on the vent connector.

**F, G & 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

603.4.2

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.: \_\_\_\_\_ 18 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC 603.4.2 Testing \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** Section 603.4.2 Testing

**PROPOSAL:** *Revise Subsection 603.4.2, as follows:*

**603.4.2** The premise owner or responsible person shall have the backflow prevention assembly tested by a certified backflow assembly tester at the time of installation, repair, or relocation and not less than on an annual schedule thereafter, or more often when required by the Authority Having Jurisdiction. The certified tester shall leave a copy of their backflow certification on site along with a copy of the certification of each device tested. The periodic testing shall be performed in accordance with the procedures referenced in ASSE/IAPMO/ANSI Series 5000 by a tester qualified in accordance with those standards. The field test kit used shall comply with ASSE 1064.

**JUSTIFICATION:** The devices are mechanical and can be damaged in shipping by misuse or handling from the manufacturer or distributor. They need to be tested and the test recorded at the time of initial installation and then on an annual basis. These devices protect the consumer against illnesses, poisoning or death. They must be tested by a qualified inspector at the time of installation to make sure they are ready to perform as they were designed. This amendment is necessary to provide consistency in regional interpretation and application of the codes.

H

**COST IMPACT:** None

**COMMITTEE ACTION:** Motion to accept, revote 4.18.24

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**

608.5

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: \_\_\_\_\_ 19 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC 608.5 Discharge Piping \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** 608.5 Discharge Piping

**PROPOSAL:** *Revise Section 608.5 Discharge Piping as follows:*

Add an additional Requirement to Section 608.5 Discharge Piping

**608.5 Discharge Piping** Add the following requirement:

- (9) For relief valves located inside a building, provide a drain of galvanized steel, hard-drawn copper piping and fittings, CPVC, PP or flexible corrugated connectors complying with 604.0 or listed relief valve drain tube with fittings that will not reduce the internal bore of the pipe or tubing (straight lengths

as

opposed to coils) and shall extend from the valve to the outside of the building or to an approved location. Temperature and Pressure Relief (T&P) drains shall discharge to the exterior of the building unless the manufacturers listing prevents this termination. T&P drains may discharge through an air gap into a secondary clothes washer port, or through an air gap in a floor sink, floor mounted mop sink or a floor drain equipped with a listed funnel, provided they are installed in accordance with section 804.1.

**JUSTIFICATION:**

Clarification of relief valve drain piping and their allowable installation and material requirements.

**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	Y	Y

**RESULT: Motion passes**

612.0

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: \_\_\_\_\_ 20 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC Section 612.0 \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**SECTION:** 612.0 Residential Fire Sprinklers Systems

**PROPOSAL:** *Delete Section 612.0 Residential Fire Sprinklers Systems in its entirety*

**JUSTIFICATION:** Fire sprinklers are regulated by the IFC and each jurisdiction's Fire Departments/Fire Prevention.

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	

**RESULT:** Motion passes

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 21

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 704.3 Commercial Sinks

**PROPONENT:** P/M Code Committee

**SECTION:** 704.3 Commercial Sinks.

**PROPOSAL:** *Revise Section 704.3, as follows:*

**704.3** Pot sinks, scullery sinks, dishwashing sinks, silverware sinks, commercial dishwashing machines, and other similar fixtures shall ~~be connected directly~~ drain indirectly to the drainage systems by means of an air gap. ~~A floor drain shall be provided adjacent to the fixture, and the fixture shall be connected on the sewer side of the floor drain trap, provided that no other drainage line is connected between the floor drain waste connection and the fixture drain. The fixture and floor drain shall be trapped and vented in accordance with this code.~~

**JUSTIFICATION:** To correlate with Southern Nevada Health District requirements, NRS 446.395 (Source of potable water; hot water generation and distribution systems; water under pressure) and NRS 446.420 (Plumbing).

**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	Y

**RESULT:** Motion passes

**707.1**

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** \_\_\_\_\_ 22 \_\_\_\_\_

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC Table 707.1

**PROPOSER:** P/M Code Committee

**PROPOSAL:** Add a footnote to TABLE 707.1.

**REVISE AS FOLLOWS:**

**TABLE 707.1  
CLEANOUTS NOTE 1**

SIZE OF PIPE (inches)	SIZE OF CLEANOUT (inches)	THREADS (per inches)
1½	1½	11½
2	1½	11 ½
2½	2 ½	8
3	2 ½	8
4 & larger	3 ½	8

For SI units: 1 inch = 25 mm

**NOTES:**

1. Where a 2-1/2" (inch) cleanout is required, a 2" (inch) cleanout may be used for horizontal branch waste lines.

**JUSTIFICATION:** To protect the structural integrity of a 2x4 framed wall. Regional Interpretation. **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	Y	Y



**RESULT: Motion passes**

710.1

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 23

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 710.1 Backflow Protection

PROPONENT: P/M Code Committee

**SECTION:** 710.1 Backflow Protection.

**PROPOSAL:** *Revise Section 710.1 to read as follows:*

**710.1 Backflow Protection.** Fixtures installed on a floor level that is lower than the next upstream manhole cover of the public, or private sewer shall be protected from backflow of sewage by installing an approved type of backwater valve. Fixtures on such floor level that are not below the next upstream manhole cover shall not be required to be protected by a backwater valve. Other than a single dwelling unit served by an individual sewer, Fixtures on floor levels above such elevation shall not discharge through the backwater valve. Cleanouts for drains that pass through the backwater valve shall be clearly identified with a permanent label stating “backwater valve downstream.”

**JUSTIFICATION:** Additional clarification of the intent of the code requirements and to provide consistency in regional interpretation and application of the code requirement.

**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	Y

**RESULT:** Motion passes

710.2

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.: 24

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC Chapter 7 – Sanitary Drainage

PROPONENT: Clark County Water Reclamation District

**SECTION:** 710.2 Sewage Discharge.

**PROPOSAL:** Revise 710.2 and add 710.2.1 and 710.2.2 as follows:

**710.2 Sewage Discharge.** Drainage piping serving fixtures that are located below the crown level of the main sewer shall discharge into an approved watertight sump or receiving tank, so located as to receive the sewage or liquid wastes by gravity. From such sump or receiving tank, the sewage or other liquid wastes shall be lifted and discharged into the building drain or building sewer by approved ejectors, pumps, or other equally efficient approved mechanical devices.

**710.2.1 Prohibited Discharges.** Non-sewage liquid wastes, including rain, surface, or subsurface water shall be a prohibited discharge to the building sewer or as determined by the Authority Having Jurisdiction and in accordance with Chapter 11 Storm Drainage.

**JUSTIFICATION:**

Non-sewage sump discharges are already prohibited flows by Service Rules and are, in practice by building plans examiners, disallowed from being discharged into sewer systems. Codifying that these flows must be discharged in other ways to prevent ambiguity in interpretation of the code.

**F&H**

**COST IMPACT:** None

**COMMITTEE ACTION:** Motion to accept, revote 4.18.24

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

801.3.2

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

AMENDMENT NO.: 25

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 801.3.2 Walk-In Coolers

PROPONENT: P/M Code Committee

**SECTION:** 801.3.2 Walk-in Coolers

**PROPOSAL:** *Revise Subsection 801.3.2, as follows:*

**801.3.2 Walk-in Coolers:** For walk-in coolers, floor drains shall be permitted to be connected to a separate drainage line discharging into an outside receptor. The flood-level rim of the receptor shall be not less than six inches (152 mm) lower than the lowest floor drain. Such floor drains shall be trapped and individually vented. Cleanouts shall be provided at ninety 90 degree (1.57 rad) turns and shall be accessibly located. Such waste shall discharge through an airgap ~~or air break~~ into a trapped and vented receptor, except that full-size airgap is required where the indirect waste pipe is under vacuum.

**JUSTIFICATION:** To correlate with Southern Nevada Health District requirements, NRS 446.

**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	Y	Y

**RESULT:** Motion passes

801.3.4

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 26

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 801.3.4 Food and Beverage Handling Establishments

**PROPONENT:** P/M Code Committee

**PROPOSAL:** Add a new section 801.3.4 to read as follows:

**801.3.4 Floor Sinks.** Flood level rim of floor sinks shall be installed with the finished floor, sealed with no gaps, and shall be accessible for cleaning.

**JUSTIFICATION:** To be consistent with Health Department requirements.

**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	Y	

**RESULT:** Motion passes

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 27

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 804.1 Standpipe Receptors

**PROPONENT:** P/M Code Committee

**SECTION:** 804.1 Standpipe Receptors

**PROPOSAL:** *Revise Section 804.1 by adding a new second paragraph, as follows:*

Indirect waste piping other than the discharge from the clothes washer may be terminated into a listed clothes washer box. The second port, on a multiport box shall be permanently connected to the vertical receptor standpipe via a wye branch fitting.

**JUSTIFICATION:** To clarify the requirements for the various forms of relief line and condensate discharge. Regional Interpretation.

**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	Y	Y

**RESULT:** Motion passes

904.1

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 28

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC Section 904.1 Size

**PROPOSER:** P/M Committee

**SECTION:** Section 904.1 Size

**PROPOSAL:** *Revise Section 904.1 Size, retaining the exception, to read as follows:*

**904.1. Size.** The size of vent piping shall be determined from its length and the total number of fixture units connected thereto, in accordance with Table 703.2. The diameter of an individual vent shall be not less than 1 ¼ inches (32mm) not less than one-half the diameter of the drain to which it is connected. In addition, the drainage piping of each building and each connection to a public sewer or a private sewage disposal system shall be vented by means of one or more vent pipes, the aggregate cross-sectional area of which shall be not less than that of the largest required building sewer as determined from Table 703.2. Vent pipes from fixtures located upstream from pumps, ejectors, ~~backwater valves~~, or other devices that obstruct the free flow of air and other gases between the building sewer and the outside atmosphere shall not be used for meeting the cross-sectional area venting requirements of this section.

**JUSTIFICATION:** To be consistent with industry standard practices.

**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

## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 42

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 913.0 Air Admittance Valves

PROPONENT: P/M Code Committee

**NEW SECTION: 913 Air Admittance Valves (AAV)**

Add new section 913.0 Air Admittance Valves

### 913.0 Air Admittance Valves

**913.1 General.** Vent systems utilizing air admittance valves shall comply with this section. Stack-type air admittance valves shall conform to ASSE 1050. Individual and branch-type air admittance valves shall conform to ASSE 1051. Air admittance valves shall meet all performance standards of: ASSE 1050, ASSE 1051.

**913.2 Installation.** The valves shall be installed in accordance with the requirements of this section and the manufacturer's instructions. Air admittance valves shall be installed after the DWV testing required by Section 318.0 or 712.0 has been performed.

**913.3 Where permitted.** Individual, *branch* and circuit vents shall be permitted to terminate with a connection to an individual or branch-type air admittance valve in accordance with Section 913.3.1. *Stack vents* and *vent stacks* shall be permitted to terminate to stack-type air admittance valves in accordance with Section 913.3.2.

**913.3.1 Horizontal branches.** Individual and branch-type air admittance valves shall vent only fixtures that are on the same floor level and connect to a *horizontal branch drain*. Where the horizontal *branch* is located more than four branch intervals from the top of the stack, the horizontal *branch* shall be provided with a relief vent that shall connect to a vent stack or stack vent or extend outdoors to the open air. The relief vent shall connect to the *horizontal branch drain* between the stack and the most downstream *fixture drain* connected to the *horizontal branch drain*. The relief vent shall be sized in accordance with Table 703.2 and installed in accordance with Section 905. The relief vent shall be permitted to serve as the vent for other fixtures.

**913.3.2 Stack.** Stack-type air admittance valves shall be prohibited from serving as the vent terminal for vent *stacks* or *stack vents* that serve drainage *stacks* having more than six *branch intervals*.

**913.4 Location.** Individual and branch-type air admittance valves shall be located not less than 4 inches (102 mm) above the *horizontal branch drain* or *fixture drain* being vented. Stack-type



air admittance valves shall be located not less than 6 inches (152 mm) above the *flood level rim* of the highest fixture being vented. The air admittance valve shall be located within the maximum *developed length* permitted for the vent. The air admittance valve shall be installed not less than 6 inches (152 mm) above insulation materials.

**913.5 Access and ventilation.** Access shall be provided to all air admittance valves. Such valves shall be installed in a location that allows air to enter the valve.

**913.6 Size.** The air admittance valve shall be rated in accordance with the standard for the size of the vent to which the valve is connected.

**913.7 Vent required.** Within each plumbing system, the drainage piping of each building and each connection to public sewer or a private sewage disposal system shall be vented by means of one or more vent pipes, the aggregate cross-sectional area of which shall be not less than that of the largest required building sewer and shall extend outdoors to the open air.

**913.8 Prohibited installations.** Air admittance valves shall not be installed in non-neutralized special waste systems. Air admittance valves shall not be located in spaces utilized as supply or return air plenums. Air admittance valves shall not be used to vent sumps or tanks except where the vent system for the sump or tank has been designed by an engineer. Air admittance valves shall not be installed on outdoor vent terminals for the sole purpose of reducing clearances to gravity air intakes or mechanical air intakes.

**JUSTIFICATION:** To be consistent with the SNBO Air Admittance Valve Protocol. To publish this information with the amendments to the 2024 UPC to avoid any confusion, and to provide all amendment information in one place. This amendment is intended to replace the SNBO Air Admittance Valve Protocol.

**H,G**

**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	N		Y	Y	Y	Y	N

**RESULT: Motion Passes 5-2-2024**

1007.2

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** \_\_\_\_\_ 29 \_\_\_\_\_

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 1007.2 Trap Seal Primers

**PROPONENT:** P/M Code Committee

**SECTION:** 1007.2 Trap Seal Primers

**PROPOSAL:** Revise section 1007.2 to allow barrier trap seals, designed and approved to the ASSE 1072 standard. Add exception to 1007.2.

**REVISE AS FOLLOWS: 1007.2 Exception: barrier trap seals that comply with ASSE 1072 may be used in floor drains and installed according to the manufacturer's instructions.**

**JUSTIFICATION:** The code committee was directed by the Steering Committing Chairperson to see what others model codes have that may be beneficial to Southern Nevada. This amendment would give the designer and installers the option to use the barrier type trap seal. The exception added to this amendment still requires them to be installed per the listing and manufacture's installation instructions. Some manufacturers require them to be used in conjunction with a water seal trap primer and others don't. It should be up to the designer and installer which method they choose. Trap primers do not always provide a safe and effective method of preventing sewer gases from entering the building. Trap primers will fail often for many reasons with corrosion from our hard water being the biggest factor. Corrosion on the device itself will stop the flow and corrosion in the piping indirectly connected will plug the passageway and cause significant water damage resulting in costly repairs and mold remediation. Trap primers also use water and as we all know the Southern Nevada is experiencing a water shortage and will be for the foreseeable future and a barrier type trap seal do not use water to maintain a seal, thus helping conserve water. Barrier type trap seals can fail as well; however, the fix is much easier and far more economical because you will not have water damage and mold remediation. Both methods can fail without the required maintenance by personal to maintain these products in working order to work properly and prevent sewer gases from entering the building.

**A,B,C & 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	Y

**RESULT: Motion passes**

1008.0

SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: \_\_\_\_\_ 30 \_\_\_\_\_

COMMITTEE: \_\_\_\_\_ UPC/UMC \_\_\_\_\_

CODE SECTION: \_\_\_\_\_ UPC 1008.0 Building Traps \_\_\_\_\_

PROPONENT: \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

PROPOSAL: Amend Section 1008.1 to read as follows.

REVISE AS FOLLOWS:

1008.1 General

Where ~~B~~building traps are to ~~shall not~~ be installed, ~~except where required by the Authority Having Jurisdiction~~. Each building trap ~~where installed~~ shall be provided with a cleanout and with a relieving vent or fresh-air intake on the inlet side of the trap, which ~~needs not be larger than~~ shall be at least one-half the diameter of the drain to which it connects. Such relieving vent or fresh-air intake shall be carried above grade and terminate in a screened outlet located outside the building.

JUSTIFICATION:

G. Amendments required to address unique local sewer gas conditions.

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

1101.6

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 31

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 1101.6 Subsoil Drains

**PROPONENT:** P/M Code Committee

**PROPOSAL:** Amend section 1101.6 to read as follows:

**REVISE AS FOLLOWS:**

**1101.6 Subsoil Drains** Where required by the geotechnical engineer or the authority having jurisdiction, subsoil drains shall be provided around the perimeter of buildings having basements, cellars, or crawl spaces or floors below grade. Such subsoil drains shall be permitted to be positioned inside or outside of the footing, shall be of perforated, or open-jointed approved drain tile or pipe not less than three (3) inches (80 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved three-quarter (3/4) inch (19.1 mm) crushed recycled glass aggregate, or other approved porous material with not less than (4) inches (102 mm) surrounding the pipe. Filter media shall be provided for exterior subsoil piping.

**JUSTIFICATION:** To clarify when subsoil drains are required. 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

1101.10

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 32

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 1101.10 Filling Stations and Motor Vehicle Washing Establishments

PROPONENT: P/M Code Committee

PROPOSAL: Delete section 1101.10 in its entirety.

JUSTIFICATION: To be consistent with longstanding Public Works 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	Y	Y

RESULT: Motion passes

1101.11

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 33

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 1101.11 Paved Areas

PROPONENT: P/M Code Committee

PROPOSAL: Delete section 1101.11 in its entirety.

JUSTIFICATION: To be consistent with longstanding Public Works 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	Y	

RESULT: Motion passes

1101.15

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 34

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 1101.15 Traps on Storm Drains and Leaders

PROPONENT: P/M Code Committee

**PROPOSAL:** Delete section 1101.15 in its entirety.

**JUSTIFICATION:** Combination Storm/Sewer systems are prohibited in Southern Nevada and section not needed.

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



1101.16.2

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## SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 35

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC 1101.16.2 Combining Storm with Sanitary Drainage

PROPONENT: P/M Code Committee

PROPOSAL: Delete section 1101.16.2 in its entirety.

**JUSTIFICATION:** Combination Storm/Sewer systems are prohibited in Southern Nevada and section not needed.

**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

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 36

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 1101.2 Where Required

**PROPONENT:** P/M Committee

**PROPOSAL:** Amend Section 1101.2

**REVISE AS FOLLOWS:**

Amend Section 1101.2

**1101.2 Where Required.**

Roofs, paved areas, yards, courts, courtyards, vent shafts, light wells, or similar areas having rainwater, shall be drained into a separate storm sewer system, ~~or into a combined sewer system where a separate storm sewer system is not available~~, or to some other place of disposal satisfactory to the Authority Having Jurisdiction. In the case of one-and two-family dwellings, storm water shall be permitted to be discharged on flat areas, such as streets or lawns, so long as the storm water shall flow away from the building and away from adjoining property, and shall not create a nuisance.

**Exception:** For townhouses and two-family dwellings, as defined in the International Residential Code, storm water may be discharged onto an adjoining property that is maintained by a common interest community as stipulated in the Covenants, Conditions and Restrictions (CC&Rs) approved by the Authority Having Jurisdiction.

**JUSTIFICATION:**

G. Amendments required to address unique designs or systems not anticipated in the codes for townhouses and two-family dwellings where the site drainage is into a common area.

H. Amendments required to provide for consistency in regional interpretation and application of the codes.

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

**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	Y

**RESULT: Motion passes**

1201.0

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** \_\_\_\_\_ 37 \_\_\_\_\_

**COMMITTEE:** \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

**CODE SECTION:** \_\_\_\_\_ UPC 1201.0 General \_\_\_\_\_

**PROPONENT:** \_\_\_\_\_ P/M Code Committee \_\_\_\_\_

**PROPOSAL:** Add a new subsection 1201.2 to Section 1201.0 General to read as follows:

1201.2 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 1210.3.3 Gas Piping to be Sloped and section 1210.7 Drips and Sediment Traps.

**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	Y

**RESULT:** Motion passes

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 38

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC 1210.1.6 Piping Underground Beneath Buildings

**PROPONENT:** P/M Code Committee

**SECTION:** 1210.1.6 Piping Underground Beneath Buildings

**PROPOSAL:** *Revise Section 1210.1.6, as follows:*

**1210.1.6 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 1210.1.6.1 or Section 1210.1.6.2.
- (2) A piping/encasement system listed for installation beneath buildings. [NFPA 54:7.1.6]

**1210.1.6.1 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]

**1210.1.6.2 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**

**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 39

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** 1303.8

**PROPONENT:** City of Henderson

**PROPOSAL:** Delete Chapter 13 in its entirety except for section 1303.8.

**SECTION:** **Chapter 13 and section 1303.8.**

**PROPOSAL:** Delete Chapter 13 in its entirety except for section 1303.8.

Chapter 13 is deleted in its entirety except for section 1303.8.

1303.8 Water Supply for Hospitals. Hospitals shall be provided with not less than two approved potable water sources that are installed in such a manner as to prevent the interruption of water service.

**JUSTIFICATION:** Due to constant changes in medical standards of care, technologies and building water system is more important than ever. Running a hospital requires a well-maintained hospital plumbing system for competent functioning. Without a proper plumbing system, healthcare institutions can experience costly shutdowns that can hinder their efficiency and competence and, most importantly, put their patients' lives at risk. Therefore, a reliable plumbing system is of utmost priority for hospitals to maintain hygiene standards, ensure smooth operations, and ultimately provide the best care possible to their patients. Hospitals are constantly preparing for the worst-case scenario to ensure they deliver the highest level of care to their patients. Equipment and system redundancy is a priority. For this reason, hospitals must be provided with not less than two approved potable water sources. These sources must be installed to prevent any interruption of water service.

Unfortunately, a disruption of service was experienced at a facility that did not have redundancy and lost its water supply highlighting the need to retain this base code section.

**E - Enforced by Nevada State Fire Marshall – NAC 477.265**

**COST IMPACT:** Yes, additional cost will be incurred due to the additional water meter and lateral.

**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	Y

**RESULT: Motion passes**



**Chapter 14**

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** 40

**COMMITTEE:** Plumbing and Mechanical

**CODE SECTION:** UPC Chapter 14 – Firestop Protection

**PROPONENT:** P/M Code Committee

**PROPOSAL:** Delete Chapter 14 in its entirety

**JUSTIFICATION:** To avoid conflict with building code requirements.

**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	

**RESULT:** Motion passes

## Chapter 15

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### SOUTHERN NEVADA CODE AMENDMENT FORM – 2024

AMENDMENT NO.: 41

COMMITTEE: Plumbing and Mechanical

CODE SECTION: UPC Chapter 15 – Alternate water sources for Nonpotable Applications

PROPONENT: P/M Code Committee

**PROPOSAL:** Delete Sections 1501. through 1505. and revise section 1501 as follows.

**SECTION:** **1505.0 Reclaimed (Recycled) Water Systems**

**PROPOSAL:**

Delete Sections 1501. through 1505. and replace section 1501 as follows

**1501.0 Reclaimed (Recycled) Water Systems**

**1501.1 General:** The provisions of sections 1501.0 and 1506.0 of this chapter shall not be allowed in residential buildings and shall apply to the installation, construction, alteration, and repair of reclaimed water systems intended to supply uses such as water closets urinals, trap primers for floor drains, floor sinks, irrigation, industrial processes, water features and other uses approved by the Authority Having Jurisdiction. Potable water supplied as makeup water in these systems shall be protected against back-pressure and back-siphonage in accordance with Sections 602.0 and 603.0. Reclaimed (recycled) water shall be prohibited for use in evaporative cooler systems.

(Sections 1502,1503,1504, and 1505 are deleted)

**JUSTIFICATION:** For water conservation this is an area of growing concern, if a reclaimed water system is properly installed and maintained, there should be no problem with the system. However, a program would need to be established for testing of non-potable water which would meet federal requirements for its intended use, as well as independently inspected and tested yearly as listed in the renumbered Section 1502 Inspection and Testing. And to avoid conflict with Southern Nevada Authority and Clean Water Coalition requirements.

**H**

**COST IMPACT: None**

**COMMITTEE ACTION: motion to accept, revote 4.18.24**

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**

1701.1

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**SOUTHERN NEVADA CODE AMENDMENT FORM – 2024**

**AMENDMENT NO.:** \_\_\_\_\_ 43 \_\_\_\_\_

**COMMITTEE:** \_\_\_\_\_ Plumbing and Mechanical \_\_\_\_\_

**CODE SECTION:** \_\_\_\_\_ Table 1701.1 Referenced Standards \_\_\_\_\_

**PROPONENT:** \_\_\_\_\_ Brad Elliott- City of Las Vegas \_\_\_\_\_

**SECTION:** Table 1701.1

**PROPOSAL:** Amend Table 1701.1 Referenced Standards by adding the following;

ASSE 1050-2021 Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems.

ASSE 1051-2021 Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems

ASSE 1072-2020 Performance Requirements for Trap Seal Protection for Floor Drains.

**JUSTIFICATION:** To provide referenced standards in support of air admittance valves and barrier type trap seal protection amendments.

**A, B, C, 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	N	Y	Y	Y

**RESULT:** Motion Passes