

NOTICES OF FINAL RULEMAKING

The Administrative Procedure Act requires the publication of the final rules of the state's agencies. Final rules are those which have appeared in the *Register* first as proposed rules and have been through the formal rulemaking process including approval by the Governor's Regulatory Review Council or the Attorney General. The Secretary of State shall publish the notice along with the Preamble and the full text in the next available issue of the *Register* after the final rules have been submitted for filing and publication.

NOTICE OF FINAL RULEMAKING

TITLE 4. PROFESSIONS AND OCCUPATIONS

CHAPTER 7. BOARD OF CHIROPRACTIC EXAMINERS

PREAMBLE

- 1. Sections Affected**
R4-7-1301
- Rulemaking Action**
Amend
- 2. The specific authority for the rulemaking, including both the authorizing statute (general) and the statutes the rules are implementing (specific):**
Authorizing statute: A.R.S. § 32-904(B)(2)
Implementing statute: A.R.S. § 32-907
- 3. The effective date of the rules:**
September 9, 2001
- 4. A list of all previous notices appearing in the Register addressing the final rule:**
Notice of Rulemaking Docket Opening: 7 A.A.R. 1680, April 20, 2001
Notice of Proposed Rulemaking: 7 A.A.R. 2312, June 8, 2001
- 5. The name and address of agency personnel with whom persons may communicate regarding the rulemaking:**
Name: Patrice A. Pritzl, Executive Director
Address: Board of Chiropractic Examiners
5060 N. 19th Avenue, Suite 416
Phoenix, AZ 85015
Telephone: (602) 255-1444
Fax: (602) 255-4289
- 6. An explanation of the rule, including the agency's reasons for initiating the rule:**
The rule sets the amount charged by the Board for preparing and copying public records upon request. The charge set by this rulemaking does not constitute a "fee" within the meaning of the Administrative Procedure Act.
- 7. A reference to any study that the agency proposes to rely on in its evaluation of or justification for the final rule and where the public may obtain or review the study, all data underlying each study, any analysis of the study, and other supporting material:**
None
- 8. A showing of good cause why the rule is necessary to promote a statewide interest if the rule will diminish a previous grant of authority of a political subdivision of this state:**
Not applicable
- 9. The summary of the economic, small business, and consumer impact:**
The economic impact will be minor. The agency already provides and charges this fee for the identified services. In addition, the cost to an individual requesting preparation and copying of public records is generally only \$2.00 to \$5.00.

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10. A description of the changes between the proposed rules, including supplemental notices, and final rules (if applicable):

Not applicable

11. A summary of the principal comments and the agency response to them:

The agency did not receive written or oral comment.

12. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules:

The only changes to the rule are technical and grammatical changes suggested by G.R.R.C. staff.

13. Incorporations by reference and their location in the rules:

None

14. Was this rule previously adopted as an emergency rule?

No

15. The full text of the rules follows:

TITLE 4. PROFESSIONS AND OCCUPATIONS

CHAPTER 7. BOARD OF CHIROPRACTIC EXAMINERS

ARTICLE 13. FEES

Section

R4-7-1301. Additional Fees

ARTICLE 13. FEES

R4-7-1301. Additional Fees

A. The Board shall collect fees for services as follows:

1. \$40.00 for directories, labels, or lists of licensees, applicants, or other regulated parties.
2. \$40.00 for annual subscriptions for meeting minutes, agendas, or other agency documents published and provided on an ongoing basis for a period of one year.
3. \$10.00 for a jurisprudence booklet.
4. \$5.00 for a duplicate renewal receipt.
5. \$20.00 for a duplicate ornamental license.
6. \$20.00 for a duplicate ornamental certificate.
7. \$2.00 for a hard copy license or credential verification for each license or credential verification requested.
8. 25¢ per page for the preparation and copying of public records.

B. All fees are non-refundable.

NOTICE OF FINAL RULEMAKING

TITLE 4. PROFESSIONS AND OCCUPATIONS

CHAPTER 48. ARIZONA UNIFORM PLUMBING CODE COMMISSION

PREAMBLE

1. Sections Affected

R4-48-101
R4-48-102
Table A
Table B
Illustration A
R4-48-103
Table A
R4-48-104
R4-49-104
Table A

Rulemaking Action

Amend
Amend
Repeal
Repeal
Repeal
New Section
New Table
Repeal
New Section
Repeal

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Table B	Repeal
R4-48-105	Repeal
R4-48-105	New Section
Table A	New Table
R4-48-106	New Section
R4-48-107	New Section
R4-48-108	New Section
R4-48-109	New Section
R4-48-110	New Section
R4-48-111	New Section
R4-48-112	New Section
R4-48-113	New Section
R4-48-114	New Section
Table A	New Table
R4-48-119	New Section
R4-48-120	New Section
R4-48-121	New Section
R4-48-122	New Section
Illustration A	New Illustration
R4-48-123	New Section
R4-48-124	New Section
R4-48-126	New Section
R4-48-129	New Section

2. The specific authority for the rulemaking, including both the authorizing statute (general) and the statutes the rules are implementing (specific):

Authorizing statute: A.R.S. § 41-619

Implementing statute: A.R.S. § 41-619

3. The effective date of the rules:

September 9, 2001

4. A list of all previous notices appearing in the Register addressing the final rules:

Notice of Rulemaking Docket Opening: 7 A.A.R. 2160, May 25, 2001

Notice of Proposed Rulemaking: 7 A.A.R. 2564, June 22, 2001

5. The name and address of agency personnel with whom persons may communicate regarding the rulemaking:

Name: A. Hal Key, P.E., Chairperson

Address: Arizona Uniform Plumbing Code Commission
c/o Arizona Registrar of Contractors
800 W. Washington, 6th Floor
Phoenix, AZ 85007

Telephone: (602) 542-1525 Ext. 7445

Fax: (602) 542-1599

6. An explanation of the rules, including the agency's reasons for initiating the rules:

The Arizona Uniform Plumbing Code Commission (Commission) has adopted a state plumbing code by rule. The International Association of Plumbing and Mechanical Officials' (I.A.P.M.O.) 1994 Uniform Plumbing Code (UPC), including its appendices, and installation standards, is incorporated by reference as the state plumbing code. The Commission has made some modifications to the UPC, adapting it to the circumstances of Arizona. It is the Commission's intent to separate each chapter and appendix into its own section, eliminating the need to make changes to the entire code should recommended proposals for change be requested.

7. A reference to any study that the agency relied on in its evaluation of or justification for the proposed rules and where the public may obtain or review the study, all data underlying each study, any analysis of the study and other supporting material.

None

8. A showing of good cause why the rules are necessary to promote a statewide interest if the rules will diminish a previous grant of authority of a political subdivision of this state:

Not applicable

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9. The summary of the economic, small business, and consumer impact:

The Commission views this as only an editorial change that will not impact the economy, small business, or consumers.

10. A description of the changes between the proposed rules, including supplemental notices, and final rules (if applicable):

Language from R4-48-105 was inadvertently omitted from R4-48-103. It has now been placed in R4-48-103(A). Duplicative language was also removed from R4-48-114.

11. A summary of the principal comments and the agency response to them:

There were no comments.

12. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules:

None

13. Incorporations by reference and their location in the rules:

No change

14. Was this rule previously adopted as an emergency rule?

No

15. The full text of the rules follows:

TITLE 4. PROFESSIONS AND OCCUPATIONS

CHAPTER 48. ARIZONA UNIFORM PLUMBING CODE COMMISSION

ARTICLE 1. ARIZONA UNIFORM PLUMBING CODE

Section

R4-48-101.	<u>Chapter 2, Definitions</u>
R4-48-102.	<u>Arizona Uniform Plumbing Code Incorporation of the Uniform Plumbing Code by Reference</u>
Table A.	<u>Size of Combustion Air Openings or Ducts for Gas- or Liquid-Burning Water Heaters Repealed</u>
Table B.	<u>Plumbing Material Standards Repealed</u>
Illustration A.	<u>Horizontal Rainwater Piping Repealed</u>
R4-48-103.	<u>Reserved Chapter 3, General Provisions</u>
Table A.	<u>Materials and Types of Joints (Horizontal and Vertical)</u>
R4-48-104.	<u>Cross-linked Polyethylene (PEX) Piping Chapter 4, Plumbing Fixtures</u>
Table A.	<u>Materials and Types of Joints (Horizontal and Vertical) Repealed</u>
Table B.	<u>Plumbing Material Standards Repealed</u>
R4-48-105.	<u>General Chapter 5, Water Heaters</u>
Table A.	<u>Size of Combustion Air Openings or Ducts for Gas- or Liquid-Burning Water Heaters</u>
R4-48-106.	<u>Reserved Chapter 6, Water Supply and Distribution</u>
R4-48-107.	<u>Reserved Chapter 7, Sanitary Drainage</u>
R4-48-108.	<u>Reserved Chapter 8, Indirect and Special Wastes</u>
R4-48-109.	<u>Reserved Chapter 9, Vents</u>
R4-48-110.	<u>Reserved Chapter 10, Traps</u>
R4-48-111.	<u>Reserved Chapter 11, Storm Drainage</u>
R4-48-112.	<u>Reserved Chapter 12, Fuel Piping</u>
R4-48-113.	<u>Reserved Chapter 13, Special Piping and Storage Systems</u>
R4-48-114.	<u>Reserved Chapter 14, Referenced Standards</u>
Table A.	<u>Plumbing Material Standards</u>
R4-48-119.	<u>Reserved Appendix A, Recommended Rules for Sizing the Water Supply System</u>
R4-48-120.	<u>Reserved Appendix B, Explanatory Notes on Combination Waste and Vent Systems</u>
R4-48-121.	<u>Reserved Appendix C, Minimum Plumbing Facilities</u>
R4-48-122.	<u>Reserved Appendix D, Rainwater Systems</u>
Illustration A.	<u>Horizontal Rainwater Piping</u>
R4-48-123.	<u>Reserved Appendix E, Manufactured or Mobile Home Parks and Recreational Vehicle Parks</u>
R4-48-124.	<u>Reserved Appendix F, Medical Gas Systems</u>
R4-48-126.	<u>Reserved Appendix H, Procedures for Sizing Commercial Kitchen Grease Interceptors</u>
R4-48-129.	<u>Reserved Installation Standards</u>

ARTICLE 1. ARIZONA UNIFORM PLUMBING CODE

R4-48-101. Chapter 2, Definitions

- A. The following definition applies in this Article: "Person" has the meaning set forth in A.R.S. § 1-215.
- B. The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:**
1. Sec. 202.0. Modify the definition of "Insanitary" by replacing numbered paragraphs (2) and (3) with the following:
 - (2) Any opening in a drainage system, except where lawful, which is not provided with an approved liquid sealed trap.
 - (3) Any plumbing fixture or other waste discharging receptacle or device, which is not supplied with water sufficient to flush it and maintain it in a clean condition except those specifically designed to function without water.
 2. Sec. 202.0. Add a definition for "PEX" which reads: "PEX means Cross-linked Polyethylene."

R4-48-102. Arizona Uniform Plumbing Code Incorporation of the Uniform Plumbing Code by reference

- A. All persons shall comply with the International Association of Plumbing and Mechanical Officials' (I.A.P.M.O.) Uniform Plumbing Code (1994 Edition) which is incorporated by reference, including appendices ~~A, B, C, D, E, F and H~~ through J, and installation standards, as the state plumbing code. This incorporation by reference does not include any later amendments or editions. Copies of the incorporated material are available from I.A.P.M.O., 20001 Walnut Drive South, Walnut, CA, 91789-2825 and are on file with Arizona Uniform Plumbing Code Commission and the Office of the Secretary of State.
- B. The Uniform Plumbing Code incorporated in R4-48-102(A) by subsection (A) is modified as follows:**
- Delete pages: "~~1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14 one through 14~~, after making the changes listed in subsection ~~(B)~~ all modifications in this article.
2. Sec. 202.0. Modify the definition of "Insanitary" by replacing numbered paragraphs (2) and (3) with the following:
 - (2) Any opening in a drainage system, except where lawful, which is not provided with an approved liquid sealed trap.
 - (3) Any plumbing fixture or other waste discharging receptacle or device, which is not supplied with water sufficient to flush it and maintain it in a clean condition except those specifically designed to function without water.
 3. Move Sec. 101.4.1.3 to a new Sec. 301.1.5.
 4. Move Sec. 101.5.2 to a new Sec. 301.1.6.
 5. Move Sec. 101.5.4 to a new Sec. 301.1.7.
 6. Move Sec. 101.5.5 to a new Sec. 301.1.8.
 7. Move Sec. 103.5 to a new Sec. 318.0.
 8. Move Sec. 103.5.1 to a new Sec. 318.1.
 9. Move Sec. 103.5.1.2 to a new Sec. 318.2.
 10. Move Sec. 103.5.1.3 to a new Sec. 318.3.
 11. Move Sec. 103.5.1.4 to a new Sec. 318.4.
 12. Move Sec. 103.5.5 to a new Sec. 318.5.
 13. Move Sec. 103.5.5.1 to a new Sec. 318.6.
 14. Move Sec. 103.5.5.2 to a new Sec. 318.7.
 15. Move Sec. 103.5.3 to a new Sec. 319.0.
 16. Move Sec. 103.5.3.1 to a new Sec. 319.1.
 17. Move Sec. 103.5.3.2 to a new Sec. 319.2.
 18. Move Sec. 103.5.3.4 to a new Sec. 319.3.
 19. Move Sec. 103.5.3.5 to a new Sec. 319.4.
 20. Move Sec. 103.5.3.7 to a new Sec. 319.5.
 21. Move Sec. 103.5.6.1 to a new Sec. 319.6.
 22. Move Sec. 103.5.6.2 to a new Sec. 319.7.
 23. Move Sec. 103.5.6.3 to a new Sec. 319.8.
 24. Move Sec. 712.4 to a new Sec. 320.0.
 25. Move Sec. 712.4.1 to a new Sec. 320.1.
 26. Move Sec. 712.4.2 to a new Sec. 320.2.
 27. Move Sec. 712.4.3 to a new Sec. 320.3.
 28. Move Sec. 712.4.4 to a new Sec. 320.4.
 29. Move Sec. 103.6 to a new Sec. 321.0.
 30. Move Sec. 103.6.1 to a new Sec. 321.1.
 31. Move Sec. 103.6.2 to a new Sec. 321.2.
 32. Move Sec. 103.6.3 to a new Sec. 321.3.
 33. Sec. 402.1 is modified to read: "The maximum flow rates and quantities for all plumbing fixtures and fixture fittings shall be consistent with A.R.S. Title 45, Chapter 1, Article 12."
 34. Section 402.2 is deleted.

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35. Sec. 501.0 is modified to read: "General. The regulations of this chapter shall govern the construction, location, and installation of all fuel-burning and other water heaters heating potable water, together with all chimneys, vents, and their connectors. All design, construction, and workmanship shall be in conformity with accepted engineering practices and shall be of such character as to secure the results sought to be obtained by this Code. No water heater shall be hereinafter installed which does not comply in all respects with the type and model of each size thereof approved by the Administrative Authority. A list of generally accepted gas equipment standards is included in Table 14-1. A water heater (boiler) which exceeds any of the following limitations shall not be placed in service until the vessel is separately inspected pursuant to A.R.S. Title 23, Chapter 2, Article 11.
- (a) 120-gallon (454.2L) nominal water capacity.
 - (b) 160 PSI (1,103.2 kPa) operating pressure.
 - (c) 210° F. (98.9° C.) operating temperature.
 - (d) 200,000 btu/h (58,620W) heat input.
36. Sec. 507.2 is modified to read: "In new construction, all enclosed buildings shall be provided with combustion air obtained from outside. In existing buildings of ordinary tightness insofar as infiltration is concerned, all or a portion of the combustion air for fuel-burning water heaters may be obtained from infiltration if the enclosure volume equals at least 50 cubic feet per 1000 btu/h (4.831L/W) input of the water heater. Existing buildings of unusually tight construction shall also be provided with outside combustion air. No change in combustion air is required when an existing fuel-burning water heater is replaced with a new water heater having the same or smaller btu/h input capacity. When an existing fuel-burning water heater is replaced by a higher-capacity water heater, or when one or more additional fuel-burning water heaters are installed in an existing building containing other fuel-burning appliances, the room or space shall be provided with combustion air as required for new construction.
37. Sec. 507.3.1. Add an exception to read: "Combustion air openings may be provided in an outside door provided:
- (a) The door is not less than 2 feet 0 inches in width and 6 feet 8 inches in height; and
 - (b) The openings are spaced as far apart as possible or a full louvered door is provided; and
 - (c) The equipment room ceiling is not more than 16 inches above the top of the door.
38. Sec. 507.6 is added to read: "Liquefied Petroleum Gas (LPG). All provisions of this chapter shall apply to combustion air for equipment using liquefied petroleum gas. Exceptions:
- (a) LPG-fueled equipment.
 - (b) The lower combustion air duct, when used, shall have the bottom installed level or with a downward slope, starting from a point at or below the equipment room floor and continuing to the outside of the structure. The duct shall terminate above the finish grade and shall be provided with wire mesh screen to cover the opening.
 - (c) No pockets or trapped sections shall be permitted in any lower combustion air duct.
39. Table 5-1 is modified. Refer to Table A Size of Combustion Air Openings or Ducts for Gas or Liquid-Burning Water Heaters.
40. Sec. 517.6 is modified to read: "No venting system shall terminate less than 3 feet (0.9m) above any forced air inlet or evaporative cooler located within 10 feet (3.0m) or less than 4 feet (1.2m) from any property line except a public way.
41. Sec. 601.1. Add exception to read: "Potable running water is not required for waterless urinals that have been approved by the Administrative Authority.
42. Sec. 603.4 is added to read: "Secondary Backflow Protection. The following occupancies shall have Reduced Pressure Principle Backflow Prevention Assemblies installed as near as practical to the water service meter connection: Hospitals, surgical clinics, laboratories, morgues, mortuaries, veterinary hospitals, industrial occupancies, packing plants, slaughterhouses, chemical plants, municipal waste treatment facilities, and construction water services. NOTE: Multiple water services which are interconnected onsite shall be provided with not less than a Double Check Valve Assembly at each service connection.
43. Sec. 608.5 is modified to read: "All relief valves shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, PB, or listed relief valve drain tube with fittings which shall 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 with the end of the pipe not more than 2 feet (0.61 m) nor less than 6 inches (152.4 mm) above the ground and pointing downward. Such drains may terminate at other approved locations. No part of such drain pipe shall be trapped and the terminal end of the drain pipe shall not be threaded.
44. Move Sec. 103.5.1.1 to a new Sec. 610.15.
45. Move Sec. 103.5.3.3 a new Sec. 610.16.
46. Sec. 707.4 is modified to read: "Each horizontal drainage pipe shall be provided with a cleanout at its upper terminal and each run of piping, which is more than 100 feet (30.4 m) in total developed length, shall be provided with a cleanout for each 100 feet (30.4 m), or fraction thereof, in length of such piping. Exceptions:
- (a) Cleanouts may be omitted on a horizontal drain line less than 5 feet (1.5 m) in length unless such line is serving sinks or urinals.
 - (b) Cleanouts may be omitted on any horizontal drainage pipe installed on a slope of 72 degrees or less from the vertical angle (angle of 1/5 bend).

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- (e) An approved type of 2-way cleanout fitting, installed inside the building wall near the connection between the building drain and building sewer or installed outside of a building at the lower end of a building drain and extended to grade, may be substituted for an upper terminal cleanout.
47. Sec. 710.6, paragraph 1, is modified to read: "Backwater valves, gate valves, motors, compressors, air tanks, and other mechanical devices required by this section shall be located where they will be accessible for inspection and repair at all times.
48. Delete Sections 712.4, 712.4.1, 712.4.2, 712.4.3, 712.4.4.
49. Sec. 713.4 is modified to read: "The public sewer may be considered as not being available only when so determined by the Administrative Authority (local, county, or state).
50. Sec. 723.0 is modified to read: "Building sewers shall be tested by plugging the end of the building sewer at its points of connection with the public sewer or private sewage disposal system and completely filling the building sewer with water from the lowest to the highest point thereof or by approved equivalent low pressure air test, or by such other test as may be prescribed by the Administrative Authority. The building sewer shall be watertight at all points. Exception: Sewer tests may be waived at the discretion of the Administrative Authority.
51. Sec. 807.4 is modified to read: "The discharge pipe of a domestic dishwashing machine may be directly connected to the tailpiece of a sink drain, or into the waste "boss" of a food waste disposer, without installation of an airgap fitting. The dishwasher discharge line shall be securely fastened as high as possible, but not lower than 2 inches (50.8 mm) below the flood rim of the sink.
52. Sec. 807.5 is added to read: "No dishwashing machine utilized for commercial purposes may be directly connected to a drainage system. Commercial dishwashers shall discharge into an approved receptor (floor sink) through an airgap of not less than 1 inch.
53. Sec. 1005.0 is modified to read: "Trap Seals. Each fixture trap shall have a liquid seal of not less than 2 inches (50.8mm) and not more than 4 inches (101.6mm) except where a deeper seal is found necessary by the Administrative Authority for special conditions. Traps shall be set true with respect to their liquid seals and, where necessary, they shall be protected from freezing.
54. Sec. 1007.0 is modified to read: "Trap Seal Protection. Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be provided with an approved means of maintaining their water seals, except where not deemed necessary for safety or sanitation by the Administrative Authority. When automatic trap priming devices are installed, they shall be accessible for maintenance.
55. Sec. 1007.1 is added to read: "Approved Means of Maintaining Trap Seals. Approved means of maintaining trap seals include the following, but are not limited to the methods cited:
- (a) Listed Trap Seal Primer.
 - (b) A hose bibb or bibbs within the room.
 - (c) Drainage from untrapped lavatories discharging to the tailpiece of those fixture traps which require priming. All fixtures shall be in the same room and on the same floor level as the trap primer.
56. Sec. 1210.1 is modified to read: "All pipe used for the installation, extension, alteration, or repair of any gas piping shall be standard weight wrought iron or steel (galvanized or black) or yellow brass (containing not more than 75% copper) or listed corrugated stainless steel tubing systems for interior use only. Approved PE pipe may be used in exterior buried piping systems. Exception: CSST piping installed outside a building shall be sleeved or shall be installed with protection from mechanical damage equivalent of that required for CSST piping within the building. When installed underground, CSST shall be sleeved and shall have a minimum burial depth of 18 inches (457.2 mm).
57. Table 14-1. Add standards in alphabetical order listed under appropriate sections. Refer to Table B—Plumbing Material Standards.
58. The 3rd paragraph of Appendix C is added to read:
"Those jurisdictions that have not adopted a building code which stipulates minimum plumbing facilities shall utilize Appendix C of the 1994 UPC when establishing plumbing facility requirements.
59. Appendix D1.1(e) is modified to read: "Roof drains, overflow drains, and rainwater piping installed within the building shall be tested in conformity with the provisions of this Code for testing drain, waste, and vent systems.
60. Appendix D3.3 is modified to read: "Horizontal Rainwater Piping. Horizontal Rainwater Piping shall be sized in accordance with Table D-2. Exception: The potential head of water which may rise in the vertical drain pipe (tailpiece) may be used to reduce the horizontal pipe size and its slope if the head (rise) is sufficient when calculated as follows:
- (a) If the head [h] is equal to or greater than 3/8 inch for each foot (31.35 mm/m) of horizontal pipe length, the horizontal pipe may be pitched at 1/8 inch slope (10.45 mm/m), but sized according to the 1/2 inch slope (41.8 mm/m) table.
 - (b) If the head [h] is equal to or greater than 1/8 inch for each foot (10.45 mm/m) of horizontal pipe length, the horizontal pipe may be pitched at 1/8 inch slope (10.45 mm/m), but sized according to the 1/4 inch slope (20.9 mm/m) table. (See Illustration A).
- EXAMPLE #1: Roof Area—4800 Square Feet (445.9 m²)

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Maximum Rainfall/Hour—6 Inches (152.4 mm/h)

Pipe Laid at 1/8 inch slope (10.45 mm/m)

Using the 1/2 inch slope (41.8 mm/m) table, the horizontal pipe size will be 6 inches. The available static head [*h*] needed to allow use of the 1/2 inch (41.8 mm/m) table is calculated as follows: 3/8 inch of head pressure per foot (31.35 mm/m) of horizontal pipe run becomes 3/8-inch x 100 feet = 300/8ths, or *h* = 37 1/2 inches (952.5 mm). NOTE: Sizing from the 1/8 inch (10.45 mm per m) table would have required the horizontal pipe size to be 8 inches (203.2 mm), rather than the 6 inches (152.4 mm) made possible by use of the 1/2 inch (41.8 mm/m) slope table.

EXAMPLE #2: Roof Area—6000 Square Feet

Maximum Rainfall/Hour—6 Inches (152.4 mm)

Pipe Laid at 1/8 inch slope (10.45 mm/m)

Using the 1/4 inch slope (20.9 mm/m) table, the horizontal pipe size will be 8 inches (203.3 mm). The available static head [*h*] needed to allow use of the 1/4 inch (20.9 mm/m) table is calculated as follows: 1/8 inch of head pressure per foot (10.45 mm per m) of horizontal pipe run becomes 1/8-inch x 100 feet = 100/8ths, or *h* = 12 1/2 inches (317.5 mm). NOTE: Sizing from 1/8 inch (10.45 mm per m) table would have required the horizontal pipe size to be 10 inches (254.0 mm), rather than the 8 inches (203.2 mm) made possible by use of the 1/4 inch slope (20.9 mm/m) table.

- (e) If the head [*h*] is equal to or greater than 10 feet (3.05 m) (for example, base of a stack), all horizontal pipe downstream of any such vertical section may be the same size as the vertical pipe to which it is connected.

61. Appendix F—Medical Gas Systems. Current language is deleted and replaced with the following sections of NFPA #99, Health Care Facilities (1996 Edition) as amended by this section, which are incorporated by reference. The incorporation by reference does not include any later amendments or editions. Copies of the incorporated material are available from the National Fire Protection Association, Batterymarch Park, Quincy, MA 02169, and are on file with the Office of the Secretary of State:

F1 Scope

- (a) The provisions herein shall apply to the installation, testing, and certification of medical gas and vacuum piping for safe use in patient care hospitals, clinics, and other health care facilities.
- (b) The purpose of this appendix is to provide minimum requirements for the installation, testing, and certification of medical gas and medical vacuum systems, from the point of supply to the user outlets or inlets. These provisions do not cover portable systems or cylinder storage requirements.

F2 All medical gas and vacuum piping systems are to be installed and inspected based upon applicable language found in the following chapters of NFPA #99, Health Care Facilities (1996 edition):

Chapter 1. Introduction:

1-1 Scope

1-2 Application. (Use 1st paragraph; delete 2nd paragraph)

1-3 Intended Use

1-4 Discretionary Powers of Authority Having Jurisdiction

1-5 Interpretations

1-6 Organization of This Document (subsections 1-6.1, 1-6.2, and 1-6.3)

1-7 Metric Units

1-8 Effective Date

1-9 Preface

Add Sec. 1-10 to read: "Sections of NFPA 99, 1996 edition, which are not referenced are not mandated by the Arizona Uniform Plumbing Code.

Chapter 2. Definitions:

2-1 Official NFPA Definitions

2-2 Definitions of Terms Used in the Standard

Chapter 4. Gas and Vacuum Systems:

4-3.1.1.2 Storage Requirements (Location, Construction, Arrangement)

4-3.5 Administration—Level 1

4-3.5.1 Responsibility of Governing Body

4-3.5.2 Gas System Policies—Level 1

4-3.5.2.1 Gases in Cylinders and Liquefied Gases in Containers—Level 1

4-3.5.2.2 Storage of Cylinders and Containers—Level 1

4-3.5.2.3 Patient Gas Systems—Level 1

4-3.5.3 Gas Systems Recordkeeping—Level 1

4-3.5.4 Gas Systems Information and Warning Signs—Level 1

4-3.5.4.1 (No Heading)

4-3.5.4.2 (No Heading)

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- 4-3.5.4.3 (No Heading)
- 4-3.5.5 Gas System Transport and Delivery—Level 1
- 4-3.5.5.1 (No Heading)
- 4-3.5.5.2 (No Heading)
- 4-3.5.6 Vacuum Systems Policies—Level 1
- 4-3.5.6.1 Patient Vacuum Systems
- 4-3.5.7 Vacuum System Recordkeeping—Level 1
- 4-3.5.8 Vacuum System Information and Warning Signs—Level 1
- 4-3.5.8.1 Piping Distribution System
- 4-3.5.8.2 Gauge Identification
- 4-3.5.9 WAGD System Policies—Level 1
- 4-3.5.9.1 Maintenance
- 4-3.5.9.2 Performance Tests
- 4-4 Level 2 Piped Systems
- 4-4.1 Piped Gas Systems—Level 2
- 4-4.2 Piped Vacuum Systems—Level 2
- 4-4.3 Piped WAGD Systems—Level 2
- 4-4.4 Performance Criteria and Testing—Level 2
- 4-4.5 Administration—Level 2
- 4-5.5 Administration—Level 3
- 4-5.5.1 Responsibility of Governing Body
- 4-5.5.2 Gas System Policies—Level 3
- 4-5.5.2.1 (No Heading)
- 4-5.5.2.2 (No Heading)
- 4-5.5.2.3 Patient Gas Systems—Level 3
- 4-5.5.3 Gas System Recordkeeping—Level 3
- 4-5.5.4 Gas System Information and Warning Signs—Level 3
- 4-5.5.5 Gas System Transport and Delivery—Level 3
- 4-5.5.6 Vacuum System Policies—Level 3
- 4-5.5.7 Vacuum System Recordkeeping—Level 3
- 4-5.5.8 Vacuum System Information and Warning Signs—Level 3
- 4-5.5.9 WAGD System Policies—Level 3
- 4-6.5 Administration—Level 4
- Chapter 12: Hospital Requirements:
 - 12-1 Scope
 - 12-3.4 Gas and Vacuum System Requirements
 - 12-3.4.1 (No Heading)
 - 12-3.4.2 (No Heading)
 - 12-3.4.3 (No Heading)
 - 12-3.4.4 (No Heading)
 - 12-3.4.5 (No Heading)
- Chapter 13: Ambulatory Health Care Center Requirements:
 - 13-1 Scope
 - 13-3.4 Gas and Vacuum System Requirements
 - 13-3.4.1 (No Heading)
 - 13-3.4.2 (No Heading)
 - 13-3.4.3 (No Heading)
 - 13-3.4.4 (No Heading)
 - 13-3.4.5 (No Heading)
- Chapter 14: Clinic Requirements:
 - 14-1 Scope
 - 14-3.4 Gas and Vacuum System Requirements
 - 14-3.4.1 (No Heading)
 - 14-3.4.2 (No Heading)
 - 14-3.4.3 (No Heading)
 - 14-3.4.4 (No Heading)
 - 14-3.4.5 (No Heading)
- Chapter 15: Medical and Dental Office Requirements:
 - 15-1 General

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- 15-1.1 Scope
- 15-1.2 Applicability
- 15-3.4 Gas and Vacuum System Requirements
 - 15.3.4.1 (No Heading)
 - 15.3.4.2 (No Heading)
 - 15.3.4.3 (No Heading)
 - 15.3.4.4 (No Heading)
 - 15.3.4.5 (No Heading)
 - 15.3.4.6 (No Heading)
 - 15.3.4.7 (No Heading)
 - 15.3.4.8 (No Heading)
 - 15.3.4.9 (No Heading)

Chapter 16: Nursing Home Requirements:

- 16-1 Scope
- 16-3.4 Gas and Vacuum System Requirements
 - 16-3.4.1 (No Heading)
 - 16-3.4.2 (No Heading)

Chapter 17: Limited Care Facility Requirements:

- 17-1 Scope
- 17-3.4 Gas and Vacuum System Requirements
 - 17-3.4.1 (No Heading)
 - 17-3.4.2 (No Heading)

Chapter 19: Hyperbaric Facilities:

- 19-1 Introduction and Scope
 - 19-3.3.3 (No Heading)
 - 19-3.3.5 (No Heading)

62. Appendix H 2 (a) is modified to read: "Interceptors shall be constructed in accordance with the design approved by the Administrative Authority and shall have a minimum of 2 compartments with fittings designed for grease retention. Grease interceptors shall be constructed of solid durable materials, not subject to excessive corrosion or decay, and shall be watertight."

Table A. Size of Combustion Air Openings or Ducts for Gas or Liquid Burning Water Heaters Repealed

Column 1		Column 2	
Existing Buildings of Ordinary Tightness		New Buildings and Unusually Tight Construction	
Condition	Size of Opening or Duct	Condition	Size of Opening or Duct
Appliance in unconfined ² space:	May rely on infiltration alone:	Appliance in unconfined ² space: Obtain combustion air from outdoors or from space freely communicating with out doors:	Provide 2 openings, minimum 50 sq. in. each opening. ³
Appliance in confined ⁴ space 1. All air from inside building:	Provide 2 openings into enclosure each having 1 sq. in. (645mm ²) per 1000 btu/h input freely communicating with other unconfined interior spaces ³ Minimum 100 sq. in. (0.06m ²) each opening:	Appliance in confined ⁴ space: Obtain combustion air from outdoors or from space freely communicating with outdoors:	Provide 2 openings into enclosure, minimum 50 sq. in. each opening. ³
2. All air from outdoors: Obtain from outdoors or from space freely communicating with out doors:	Use the methods listed for confined space as indicated in Column 2:		

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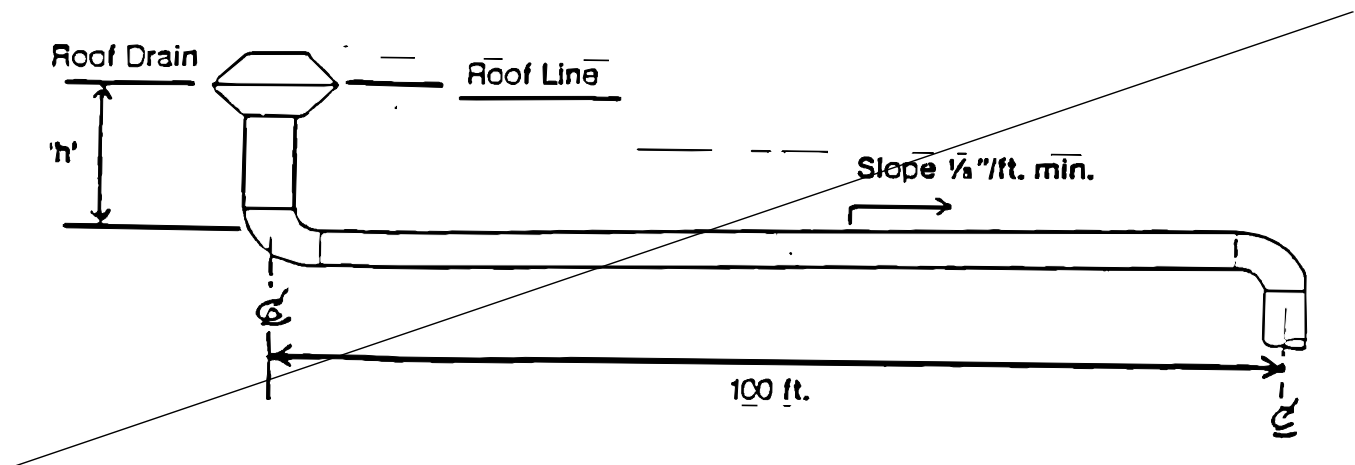
Notes

- ¹ For location of opening, see Section 507.3.
- ² As defined in Chapter 2.
- ³ When the total btu/h input rating of all enclosed appliances/equipment exceeds 100,000 btu/h, the combined net free area of all combustion air openings shall be increased by not less than 1 additional square inch (645mm) for each 1000 btu/h in excess of 100,000 btu/h.
- ⁴ As defined in Section 202.0.

Table B. Plumbing Material Standards Repealed

Materials and Products	ANSI	ASTM	FS	IAPMO	Other Standards	Footnote Remarks
PLUMBING FIXTURES: Waterless Urinals	Z124.9			C-3346		

Illustration A. Horizontal Rainwater Piping Repealed



R4-48-103. Reserved Chapter 3, General Provisions

- A.** The rules of this Article are adopted under A.R.S. § 41-619, which provides for the adoption statewide of the Uniform Plumbing Code ("Code"). The rules do not specify the procedures by which the Code will be enforced, which may be governed by other provisions of state law. The rules do not supersede, restrict, or negate the authority of any state agency, municipality, or county to administer, delegate, or enforce laws, statutes, rules, or ordinances within its respective jurisdiction.
- B.** The Uniform Plumbing Code incorporated in R4-48-102(A), is modified as follows:
 1. Move Sec 101.4.1.3 to a new Sec. 301.1.5.
 2. Move Sec. 101.5.2 to a new Sec. 301.1.6.
 3. Move Sec. 101.5.4 to a new Sec. 301.1.7.
 4. Move Sec. 101.5.5 to a new Sec. 301.1.8.
 5. Move Sec. 103.5 to a new Sec. 318.0.
 6. Move Sec. 103.5.1 to a new Sec. 318.1.
 7. Move Sec. 103.5.1.2 to a new Sec. 318.2.
 8. Move Sec. 103.5.1.3 to a new Sec. 318.3.
 9. Move Sec. 103.5.1.4 to a new Sec. 318.4.
 10. Move Sec. 103.5.5 to a new Sec. 318.5.
 11. Move Sec. 103.5.5.1 to a new Sec. 318.6.
 12. Move Sec. 103.5.5.2 to a new Sec. 318.7.
 13. Move Sec. 103.5.3 to a new Sec. 319.0.
 14. Move Sec. 103.5.3.1 to a new Sec. 319.1.
 15. Move Sec. 103.5.3.2 to a new Sec. 319.2.
 16. Move Sec. 103.5.3.4 to a new Sec. 319.3.
 17. Move Sec. 103.5.3.5 to a new Sec. 319.4.

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18. Move Sec. 103.5.3.7 to a new Sec. 319.5.
19. Move Sec. 103.5.6.1 to a new Sec. 319.6.
20. Move Sec. 103.5.6.2 to a new Sec. 319.7.
21. Move Sec. 103.5.6.3 to a new Sec. 319.8.
22. Move Sec. 712.4 to a new Sec. 320.0.
23. Move Sec. 712.4.1 to a new Sec. 320.1.
24. Move Sec. 712.4.2 to a new Sec. 320.2.
25. Move Sec. 712.4.3 to a new Sec. 320.3.
26. Move Sec. 712.4.4 to a new Sec. 320.4.
27. Move Sec. 103.6 to a new Sec. 321.0.
28. Move Sec. 103.6.1 to a new Sec. 321.1.
29. Move Sec. 103.6.2 to a new Sec. 321.2.
30. Move Sec. 103.6.3 to a new Sec. 321.3.
31. Add a new row to Table 3-1. Refer to Table A – Materials and Types of Joints (Horizontal and Vertical).

Table A. Materials and Types of Joints (Horizontal and Vertical)

<u>PEX</u>	<u>Mechanical</u>	<u>One inch (25.4mm) and smaller, Three feet (0.9 m), 1-1/4 inch (31.8mm) and larger four feet (1.2 m).</u>	<u>Base and each floor. Provide mid-story guides</u>
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R4-48-104. Cross-linked Polyethylene (PEX) Piping Chapter 4, Plumbing Fixtures

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. ~~Sec.202.0. Add a definition for “PEX” which reads: “PEX means Cross-linked Polyethylene.”~~
2. ~~Add a new row to Table 3-1. Refer to Table A – Materials and Types of Joints (Horizontal and Vertical).~~
3. ~~Sec. 604.1 is modified to read: “Water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, or other approved materials. Asbestos-cement, CPVC, PE, PEX, or PVC water pipe manufactured to recognized standards may be used for cold water distribution systems outside a building. CPVC or PEX water pipe and tubing may be used for hot and cold water distribution systems within a building. All materials used in the water supply system, except valves and similar devices shall be of a like material, except where otherwise approved by the Administrative Authority.~~
4. ~~Sec. 604.11 is added to read: “Cross-linked polyethylene (PEX) tubing shall be marked with appropriate designation or designations consistent with the fitting system or systems for which the tubing has been listed or approved. PEX tubing shall be installed with mechanical joints in compliance with the appropriate standards and the manufacturer’s instructions.~~
5. ~~Table 14-1. Add standards in alphabetical order listed under appropriate sections. Refer to Table B – Plumbing Material Standards. These standards are incorporated by reference. This incorporation by reference does not include any later amendments or editions. Copies of the incorporated material are available from American Society for Testing and Materials and are on file with the Arizona Uniform Plumbing Code Commission and the Office of the Secretary of State.~~

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Sec. 402.1 is modified to read: “The maximum flow rates and quantities for all plumbing fixtures and fixture fittings shall be consistent with A.R.S. Title 45, Chapter 1, Article 12.”
2. Sec. 402.2 is deleted.

Table A. Materials and Types of Joints (Horizontal and Vertical) Repealed

<u>PEX</u>	<u>Mechanical</u>	<u>One (1) inch (25.4mm) and smaller, three (3) feet (0.9 m), one and one- fourth (1-1/4) inch (31.8mm) and larger (4) feet (1.2 m).</u>	<u>Base and each floor. Provide mid-story guides.</u>
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Table B. Plumbing Material Standards Repealed

Materials and Products	ANSI	ASTM	FS	IAPMO	Other Standards	Footnote Remarks
NONMETALLIC PIPE: Metal insert fittings utilizing a copper crimp ring for SDR9 Cross-Linked Polyethylene (PEX) tubing; Cold Expansion Fitting with PEX reinforcing ring for use with SDR-9 Cross-Linked Polyethylene (PEX-Tubing)		F1807-97 F1960-99				

R4-48-105. General Chapter 5, Water Heaters

The rules of this Article are adopted under A.R.S. § 41-619, which provides for the adoption statewide of the Uniform Plumbing Code (“Code”). The rules do not specify the procedures by which the Code will be enforced, which may be governed by other provisions of state law. The rules do not supersede, restrict, or negate the authority of any state agency, municipality, or county to administer, delegate, or enforce laws, statutes, rules, or ordinances within its respective jurisdiction.

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Sec. 501.0 is modified to read: “General. The regulations of this chapter shall govern the construction, location, and installation of all fuel-burning and other water heaters heating potable water, together with all chimneys, vents, and their connectors. All design, construction, and workmanship shall be in conformity with accepted engineering practices and shall be of such character as to secure the results sought to be obtained by this Code. No water heater shall be hereinafter installed which does not comply in all respects with the type and model of each size thereof approved by the Administrative Authority. A list of generally accepted gas equipment standards is included in Table 14-1. A water heater (boiler) which exceeds any of the following limitations shall not be placed in service until the vessel is separately inspected pursuant to A.R.S. Title 23, Chapter 2, Article 11.
 - (a) 120-gallon (454.2L) nominal water capacity.
 - (b) 160 PSI (1,103.2 kPa) operating pressure.
 - (c) 210° F. (98.9° C.) operating temperature.
 - (d) 200,000 btu/h (58,620W) heat input.
2. Sec. 507.2 is modified to read: “In new construction, all enclosed buildings shall be provided with combustion air obtained from outside. In existing buildings of ordinary tightness insofar as infiltration is concerned, all or a portion of the combustion air for fuel-burning water heaters may be obtained from infiltration if the enclosure volume equals at least 50 cubic feet per 1000 btu/h (4.831L/W) input of the water heater. Existing buildings of unusually tight construction shall also be provided with outside combustion air. No change in combustion air is required when an existing fuel-burning water heater is replaced with a new water heater having the same or smaller btu/h input capacity. When an existing fuel-burning water heater is replaced by a higher-capacity water heater, or when additional fuel burning water heaters are installed in an existing building containing other fuel-burning appliances, the room or space shall be provided with combustion air as required for new construction.
3. Sec. 507.3.1. Add an exception to read: “Combustion air openings may be provided in an outside door provided:
 - (a) The door is not less than two feet in width and six feet eight inches in height; and
 - (b) The openings are spaced as far apart as possible or a full louvered door is provided; and
 - (c) The equipment room ceiling is not more than 16 inches above the top of the door.
4. Sec. 507.6 is added to read: “Liquefied Petroleum Gas (LPG). All provisions of this chapter shall apply to combustion air for equipment using liquefied petroleum gas. Exceptions:
 - (a) The bottom of the lower combustion air opening shall be located at or below the floor of the room containing LPG-fueled equipment.
 - (b) The lower combustion air duct, when used, shall have the bottom installed level or with a downward slope, starting from a point at or below the equipment room floor and continuing to the outside of the structure. The duct shall terminate above the finish grade, and shall be provided with wire mesh screen to cover the opening.
 - (c) No pockets or trapped sections shall be permitted in any lower combustion air duct.
5. Table 5-1 is modified. Refer to Table A - Size of Combustion Air Openings or Ducts for Gas - or Liquid-Burning Water Heaters.
6. Sec. 517.6 is modified to read: “No venting system shall terminate less than three feet (0.9m) above any forced air inlet or evaporative cooler located within 10 feet (3.0m) or less than four feet (1.2m) from any property line except a public way.

Table A. Size Of Combustion Air Openings or Ducts for Gas-or Liquid-Burning Water Heaters

Column 1 Existing Buildings of Ordinary Tightness		Column 2 New Buildings and Unusually Tight Construction	
<u>Condition</u>	<u>Size of Opening or Duct</u>	<u>Condition</u>	<u>Size of Opening or Duct</u>
Appliance in unconfined ² space.	<u>May rely on infiltration alone.</u>	Appliance in unconfined ² space: Obtain combustion air from outdoors or from space freely communicating with outdoors.	Provide two openings, minimum 50 sq. in. each opening. ³
Appliance in confined ⁴ space 1. All air from inside building.	Provide two openings into enclosure each having one sq. in. (645mm ²) per 1000 btu/h input freely communicating with other unconfined interior spaces. ³ Minimum 100 sq. in. (0.06m ²) each opening.	Appliance in confined ⁴ space: Obtain combustion air from outdoors or from space freely communicating with outdoors.	Provide two openings into enclosure, minimum 50 sq. in. each opening. ³
2. All air from outdoors: Obtain from outdoors or from space freely communicating with outdoors.	Use the methods listed for confined space as indicated in Column 2.		

Notes

¹ For location of opening, see Section 507.3.

² As defined in Chapter 2.

³ When the total btu/h input rating of all enclosed appliances/equipment exceeds 100,000 btu/h, the combined net free area of all combustion air openings shall be increased by not less than one additional square inch (645mm) for each 1000 btu/h in excess of 100,000 btu/h.

⁴ As defined in Section 202.0.

R4-48-106. Reserved Chapter 6, Water Supply and Distribution

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Sec. 601.1. Add exception to read: Potable running water is not required for waterless urinals that have been approved by the Administrative Authority.
2. Sec. 603.4 is added to read: Secondary Backflow Protection. The following occupancies shall have Reduced Pressure Principle Backflow Prevention Assemblies installed as near as practical to the water service meter connection: Hospitals, surgical clinics, laboratories, morgues, mortuaries, veterinary hospitals, industrial occupancies, packing plants, slaughter houses, chemical plants, municipal waste treatment facilities, and construction water services. NOTE: Multiple water services which are interconnected onsite shall be provided with not less than a Double Check Valve Assembly at each service connection.
3. Sec. 604.1 is modified to read: Water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, or other approved materials. Asbestos-cement, CPVC, PE, PEX, or PVC water pipe manufactured to recognized standards may be used for cold water distribution systems outside a building. CPVC or PEX water pipe and tubing may be used for hot and cold water distribution systems within a building. All materials used in the water supply system, except valves and similar devices shall be of a like material, except where otherwise approved by the Administrative Authority.
4. Sec. 604.11 is added to read: Cross-linked polyethylene (PEX) tubing shall be marked with appropriate designation or designations consistent with the fitting system or systems for which the tubing has been listed or approved. PEX tubing shall be installed with mechanical joints in compliance with the appropriate standards and the manufacturer's instructions.
5. Sec. 608.5 is modified to read: All relief valves shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, PB, or listed relief valve drain tube with fittings which shall 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 with the end of the pipe not more than two feet (0.61 m) nor less than six inches (152.4 mm) above the ground and pointing downward. Such drains may terminate at other approved locations. No part of such drain pipe shall be trapped and the terminal end of the drain pipe shall not be threaded.
6. Move Sec. 103.5.1.1 to a new Sec. 610.15.
7. Move Sec. 103.5.3.3 to a new Sec. 610.16.

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R4-48-107. ~~Reserved Chapter 7, Sanitary Drainage~~

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Sec. 707.4 is modified to read: Each horizontal drainage pipe shall be provided with a cleanout at its upper terminal and each run of piping, which is more than 100 feet (30.4 m) in total developed length, shall be provided with a cleanout for each 100 feet (30.4 m), or fraction thereof, in length of such piping. Exceptions:
 - (a) Cleanouts may be omitted on a horizontal drain line less than five feet (1.5 m) in length unless such line is serving sinks or urinals.
 - (b) Cleanouts may be omitted on any horizontal drainage pipe installed on a slope of 72 degrees or less from the vertical angle (angle of 1/5 bend).
 - (c) An approved type of two-way cleanout fitting, installed inside the building wall near the connection between the building drain and building sewer or installed outside of a building at the lower end of a building drain and extended to grade, may be substituted for an upper terminal cleanout.
2. Sec. 710.6, paragraph 1, is modified to read: Backwater valves, gate valves, motors, compressors, air tanks, and other mechanical devices required by this section shall be located where they will be accessible for inspection and repair at all times.
3. Delete Sections 712.4, 712.4.1, 712.4.2, 712.4.3, 712.4.4.
4. Sec. 713.4 is modified to read: The public sewer may be considered as not being available only when so determined by the Administrative Authority (local, county, or state).
5. Sec. 723.0 is modified to read: "Building sewers shall be tested by plugging the end of the building sewer at its points of connection with the public sewer or private sewage disposal system and completely filling the building sewer with water from the lowest to the highest point thereof or by approved equivalent low pressure air test, or by such other test as may be prescribed by the Administrative Authority. The building sewer shall be watertight at all points. Exception: Sewer tests may be waived at the discretion of the Administrative Authority.

R4-48-108. ~~Reserved Chapter 8, Indirect and Special Wastes~~

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Sec. 807.4 is modified to read: The discharge pipe of a domestic dishwashing machine may be directly connected to the tailpiece of a sink drain, or into the waste "boss" of a food waste disposer without installation of an airgap fitting. The dishwasher discharge line shall be securely fastened as high as possible, but not lower than two inches (50.8 mm) below the flood rim of the sink.
2. Sec. 807.5 is added to read: No dishwashing machine utilized for commercial purposes may be directly connected to a drainage system. Commercial dishwashers shall discharge into an approved receptor (floor sink) through an airgap of not less than one inch.

R4-48-109. ~~Reserved Chapter 9, Vents~~

This chapter has no modifications.

R4-48-110. ~~Reserved Chapter 10, Traps~~

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Sec. 1005.0 is modified to read: Trap Seals. Each fixture trap shall have a liquid seal of not less than two inches (50.8mm) and not more than four inches (101.6mm) except where a deeper seal is found necessary by the Administrative Authority for special conditions. Traps shall be set true with respect to their liquid seals and, where necessary, they shall be protected from freezing.
2. Sec. 1007.0 is modified to read: Trap Seal Protection. Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be provided with an approved means of maintaining their water seals, except where not deemed necessary for safety or sanitation by the Administrative Authority. When automatic trap priming devices are installed, they shall be accessible for maintenance.
3. Sec. 1007.1 is added to read: Approved Means of Maintaining Trap Seals. Approved means of maintaining trap seals include the following, but are not limited to the methods cited:
 - (a) Listed Trap Seal Primer.
 - (b) A hose bibb or bibbs within the room.
 - (c) Drainage from untrapped lavatories discharging to the tailpiece of those fixture traps which require priming. All fixtures shall be in the same room and on the same floor level as the trap primer.

R4-48-111. ~~Reserved Chapter 11, Storm Drainage~~

This chapter has no modifications.

R4-48-112. ~~Reserved Chapter 12, Fuel Piping~~

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

Sec. 1210.1 is modified to read: All pipe used for the installation, extension, alteration, or repair of any gas piping shall be standard weight wrought iron or steel (galvanized or black) or yellow brass (containing not more than 75 percent copper) or listed corrugated stainless steel tubing systems for interior use only. Approved PE pipe may be used in

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exterior buried piping systems. Exception: CSST piping installed outside a building shall be sleeved, or shall be installed with protection from mechanical damage equivalent of that required for CSST piping within the building. When installed underground CSST shall be sleeved and shall have a minimum burial depth of 18 inches (457.2 mm).

R4-48-113. ~~Reserved~~ Chapter 13, Special Piping and Storage Systems

This chapter has no modifications.

R4-48-114. ~~Reserved~~ Chapter 14, Referenced Standards

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

Table 14-1. Add standards in alphabetical order listed under appropriate sections. Refer to Table A - Plumbing Material Standards. These standards are incorporated by reference. This incorporation by reference does not include any later amendments or editions. Copies of the incorporated material are on file with the Arizona Uniform Plumbing Code Commission and the Office of the Secretary of State.

Table A. Plumbing Material Standards

<u>Materials and Products</u>	<u>ANSI</u>	<u>ASTM</u>	<u>FS</u>	<u>IAPMO</u>	<u>Other Standards</u>	<u>Footnote Remarks</u>
<u>NONMETALLIC PIPE:</u> <u>Metal insert fittings utilizing a copper crimp ring for SDR9 Cross-Linked Polyethylene (PEX) tubing.</u> <u>Cold Expansion Fitting with PEX reinforcing ring for use with SDR-9 Cross-Linked Polyethylene (PEX Tubing)</u>		<u>F1807-97</u> <u>F1960-99</u>				
<u>PLUMBING FIXTURES:</u> <u>Waterless Urinals</u>	<u>Z124.9</u>			<u>C-3346</u>		

R4-48-119. ~~Reserved~~ Appendix A, Recommended Rules for Sizing the Water Supply System

This appendix has no modifications.

R4-48-120. ~~Reserved~~ Appendix B, Explanatory Notes on combination Waste and Vent Systems

This appendix has no modifications.

R4-48-121. ~~Reserved~~ Appendix C, Minimum Plumbing Facilities

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

The Third paragraph of Appendix C is added to read: "Those jurisdictions that have not adopted a building code which stipulates minimum plumbing facilities shall utilize Appendix C of the 1994 UPC when establishing plumbing facility requirements."

R4-48-122. ~~Reserved~~ Appendix D, Rainwater Systems

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Appendix D1.1(c) is modified to read: Roof drains, overflow drains, and rainwater piping installed within the building shall be tested in conformity with the provisions of this Code for testing drain, waste, and vent systems.
2. Appendix D3.3 is modified to read: Horizontal Rainwater Piping. Horizontal Rainwater Piping shall be sized in accordance with Table D-2. Exception: The potential head of water which may rise in the vertical drain pipe (tail-piece) may be used to reduce the horizontal pipe size and its slope if the head (rise) is sufficient when calculated as follows:
 - (a) If the head ('h') is equal to or greater than 3/8 inch for each foot (31.35 mm/m) of horizontal pipe length, the horizontal pipe may be pitched at 1/8 inch slope (10.45 mm/m), but sized according to the 1/2 inch slope (41.8 mm/m) table.
 - (b) If the head ('h') is equal to or greater than 1/8 inch for each foot (10.45 mm/m) of horizontal pipe length, the horizontal pipe may be pitched at 1/8 inch slope (10.45 mm/m), but sized according to the 1/4 inch slope (20.9 mm/m) table. (See Illustration A).

EXAMPLE #1: Roof Area – 4800 Square Feet (445.9 m²)

Maximum Rainfall/Hour - Six Inches (152.4 mm/h)

Pipe Laid at 1/8 inch Slope (10.45 mm/m)

Using the 1/2 inch slope (41.8 mm/m) table, the horizontal pipe size will be six inches.

The available static head ('h') needed to allow use of the 1/2 inch (41.8 mm/m) table is calculated as follows:

3/8 inch of head pressure per foot (31.35 mm/m) of horizontal pipe run becomes 3/8-inch x 100 feet = 300/8ths, or 'h' = 37 1/2 inches (952.5 mm). NOTE: Sizing from the 1/8 inch (10.45 mm per m) table would have required the horizontal pipe size to be eight inches (203.2 mm), rather than the six inches (152.4 mm) made possible by

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use of the 1/2 inch (41.8 mm/m) slope table.

EXAMPLE #2: Roof Area – 6000 Square Feet

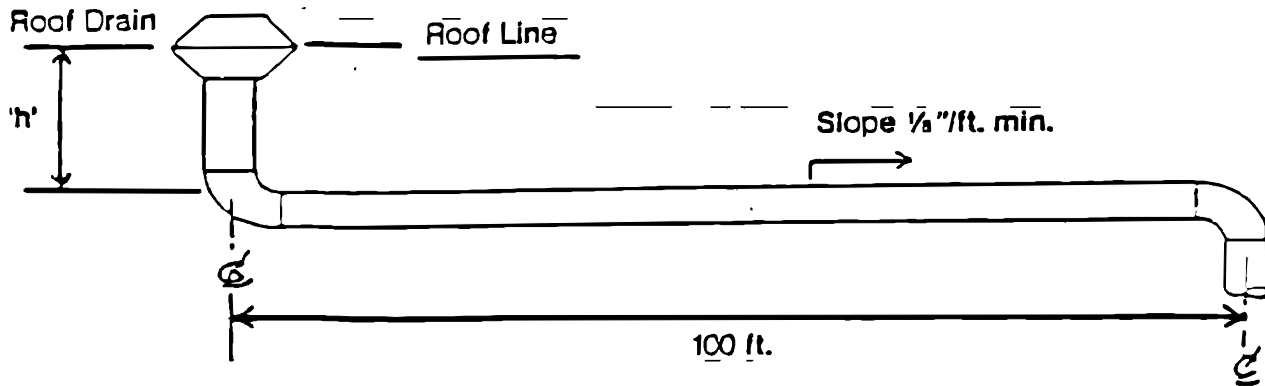
Maximum Rainfall/Hour – six Inches (152.4 mm)

Pipe Laid at 1/8 inch Slope (10.45 mm/m)

Using the 1/4 inch slope (20.9 mm/m) table the horizontal pipe size will be eight inches (203.3 mm). The available static head ('h') needed to allow use of the 1/4 inch (20.9 mm/m) table is calculated as follows: 1/8 inch of head pressure per foot (10.45 mm per m) of horizontal pipe run becomes 1/8-inch x 100 feet = 100/8ths, or 'h' = 12 1/2 inches (317.5 mm). NOTE: Sizing from 1/8 inch (10.45 mm per m) table would have required the horizontal pipe size to be 10 inches (254.0 mm) rather than the eight inches (203.2 mm) made possible by use of the 1/4 inch slope (20.9 mm/m) table.

- (c) If the head ('h') is equal to or greater than 10 feet (3.05 m) (for example, base of a stack), all horizontal pipe downstream of any such vertical section may be the same size as the vertical pipe to which it is connected.

Illustration A. Horizontal Rainwater Piping



R4-48-123. ~~Reserved~~ Appendix E, Manufactured or Mobile Home Parks and Recreational Vehicle Parks

This appendix has no modifications.

R4-48-124. ~~Reserved~~ Appendix F, Medical Gas Systems

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

1. Appendix F Medical Gas Systems. Current language is deleted and replaced with the following sections of NFPA #99, Health Care Facilities (1996 Edition) as amended by this section, which are incorporated by reference. The incorporation by reference does not include any later amendments or editions. Copies of the incorporated material are available from the National Fire Protection Association, Batterymarch Park, Quincy, MA 02169, and are on file with the Office of the Secretary of State:

F1 Scope

- (a) The provisions herein shall apply to the installation, testing, and certification of medical gas and vacuum piping for safe use in-patient care hospitals, clinics, and other health care facilities.
- (b) The purpose of this appendix is to provide minimum requirements for the installation, testing, and certification of medical gas and medical vacuum systems, from the point of supply to the user outlets or inlets. These provisions do not cover portable systems or cylinder storage requirements.

F2 All medical gas and vacuum piping systems are to be installed and inspected based upon applicable language found in

the following chapters of NFPA #99, Health Care Facilities (1996 edition):

Chapter 1. Introduction.

1-1 Scope

1-2 Application. (Use first paragraph; delete second paragraph)

1-3 Intended Use

1-4 Discretionary Powers of Authority Having Jurisdiction

1-5 Interpretations

1-6 Organization of This Document (subsections 1-6.1, 1-6.2, and 1-6.3)

1-7 Metric Units

1-8 Effective Date

1-9 Preface

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Add Sec. 1-10 to read: Sections of NFPA 99, 1996 edition, which are not referenced are not mandated by the Arizona Uniform Plumbing Code.

Chapter 2. Definitions.

2-1 Official NFPA Definitions

2-2 Definitions of Terms Used in the Standard

Chapter 4. Gas and Vacuum Systems.

4-3.1.1.2 Storage Requirements (Location, Construction, Arrangement)

4-3.5 Administration - Level 1

4-3.5.1 Responsibility of Governing Body

4-3.5.2 Gas System Policies - Level 1

4-3.5.2.1 Gases in Cylinders and Liquefied Gases in Containers - Level 1

4-3.5.2.2 Storage of Cylinders and Containers - Level 1

4-3.5.2.3 Patient Gas Systems - Level 1

4-3.5.3 Gas Systems Recordkeeping - Level 1

4-3.5.4 Gas Systems Information and Warning Signs - Level 1

4-3.5.4.1 (No Heading)

4-3.5.4.2 (No Heading)

4-3.5.4.3 (No Heading)

4-3.5.5 Gas System Transport and Delivery - Level 1

4-3.5.5.1 (No Heading)

4-3.5.5.2 (No Heading)

4-3.5.6 Vacuum Systems Policies – Level 1

4-3.5.6.1 Patient Vacuum Systems

4-3.5.7 Vacuum System Recordkeeping - Level 1

4-3.5.8 Vacuum System Information and Warning Signs - Level 1

4-3.5.8.1 Piping Distribution System

4-3.5.8.2 Gauge Identification

4-3.5.9 WAGD System Policies - Level 1

4-3.5.9.1 Maintenance

4-3.5.9.2 Performance Tests

4-4 Level 2 Piped Systems

4-4.1 Piped Gas Systems - Level 2

4-4.2 Piped Vacuum Systems - Level 2

4-4.3 Piped WAGD Systems - Level 2

4-4.4 Performance Criteria and Testing - Level 2

4-4.5 Administration - Level 2

4-5.5 Administration - Level 3

4-5.5.1 Responsibility of Governing Body

4-5.5.2 Gas System Policies - Level 3

4-5.5.2.1 (No Heading)

4-5.5.2.2 (No Heading)

4-5.5.2.3 Patient Gas Systems – Level 3

4-5.5.3 Gas System Recordkeeping - Level 3

4-5.5.4 Gas System Information and Warning Signs - Level 3

4-5.5.5 Gas System Transport and Delivery - Level 3

4-5.5.6 Vacuum System Policies - Level 3

4-5.5.7 Vacuum System Recordkeeping - Level 3

4-5.5.8 Vacuum System Information and Warning Signs - Level 3

4-5.5.9 WAGD System Policies - Level 3

4-6.5 Administration - Level 4

Chapter 12. Hospital Requirements.

12-1 Scope

12-3.4 Gas and Vacuum System Requirements

12-3.4.1 (No Heading)

12-3.4.2 (No Heading)

12-3.4.3 (No Heading)

12-3.4.4 (No Heading)

12-3.4.5 (No Heading)

Chapter 13. Ambulatory Health Care Center Requirements.

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13-1 Scope

13-3.4 Gas and Vacuum System Requirements

13-3.4.1 (No Heading)

13-3.4.2 (No Heading)

13-3.4.3 (No Heading)

13-3.4.4 (No Heading)

13-3.4.5 (No Heading)

Chapter 14. Clinic Requirements.

14-1 Scope

14-3.4 Gas and Vacuum System Requirements

14-3.4.1 (No Heading)

14-3.4.2 (No Heading)

14-3.4.3 (No Heading)

14-3.4.4 (No Heading)

14-3.4.5 (No Heading)

Chapter 15. Medical and Dental Office Requirements.

15-1 General

15-1.1 Scope

15-1.2 Applicability

15-3.4 Gas and Vacuum System Requirements

15-3.4.1 (No Heading)

15-3.4.2 (No Heading)

15-3.4.3 (No Heading)

15-3.4.4 (No Heading)

15-3.4.5 (No Heading)

15-3.4.6 (No Heading)

15-3.4.7 (No Heading)

15-3.4.8 (No Heading)

15-3.4.9 (No Heading)

Chapter 16. Nursing Home Requirements.

16-1 Scope

16-3.4 Gas and Vacuum System Requirements

16-3.4.1 (No Heading)

16-3.4.2 (No Heading)

Chapter 17. Limited Care Facility Requirements.

17-1 Scope

17-3.4 Gas and Vacuum System Requirements

17-3.4.1 (No Heading)

17-3.4.2 (No Heading)

Chapter 19. Hyperbaric Facilities.

19-1 Introduction and Scope

19-3.3.3 (No Heading)

19-3.3.5 (No Heading)

R4-48-126. ~~Reserved~~ Appendix H. Procedures for Sizing Commercial Kitchen Grease Interceptors

The Uniform Plumbing Code incorporated in R4-48-102(A) is modified as follows:

Appendix H 2 (a) is modified to read: Interceptors shall be constructed in accordance with the design approved by the Administrative Authority and shall have a minimum of two compartments with fittings designed for grease retention. Grease interceptors shall be constructed of solid durable materials, not subject to excessive corrosion or decay, and shall be watertight.

R4-48-129. ~~Reserved~~ Installation Standards

This standard has no modifications.

NOTICE OF FINAL RULEMAKING

TITLE 17. TRANSPORTATION

CHAPTER 1. DEPARTMENT OF TRANSPORTATION
ADMINISTRATIVE SERVICES DIVISION

PREAMBLE

- 1. Sections Affected:** **Rulemaking Action:**
R17-1-102 Amend
- 2. The specific authority for the rulemaking, including both the authorizing statute (general) and the statutes the rules are implementing (specific):**
Authorizing statutes: A.R.S. §§ 28-366 and 41-1073
Implementing statutes: A.R.S. §§ 41-1072 through 41-1076
- 3. The effective date of the rules:**
September 9, 2001
- 4. A list of all previous notices appearing in the Register addressing the final rule:**
Notice of Recodification: 7 A.A.R. 919, February 16, 2001
Notice of Rulemaking Docket Opening: 7 A.A.R. 1042, March 2, 2001
Notice of Proposed Rulemaking: 7 A.A.R. 2076, May 18, 2001
Notice of Recodification: 7 A.A.R. 3476, August 10, 2001
- 5. The name and address of agency personnel with whom persons may communicate regarding the rulemaking:**

Name:	Wendy S. LeStarge, Rules Analyst
Address:	Department of Transportation Administrative Rules Unit, Mail Drop 507M 3737 N. 7th Street, Suite 160 Phoenix, AZ 85014-5017
Telephone:	(602) 712-6007
Fax:	(602) 241-1624
E-mail:	wlestage@dot.state.az.us

Please visit the ADOT web site to track progress of this rule and any other agency rulemaking matters:
www.dot.state.az.us/about/rules.
- 6. An explanation of the rule, including the agency's reasons for initiating the rule:**
The agency adopted the previous licensing time-frames rule, R17-4-710, pursuant to the statutory mandate of A.R.S. §§ 41-1072 to 41-1076 that all state agencies make rules establishing licensing time-frames. R17-4-710 applied only to licensing time-frames in the Motor Vehicle Division. The agency decided to have one time-frames rule to apply to all the agency's divisions, as opposed to a time-frames rule for each division. The agency recodified the previous rule, R17-4-710, to R17-1-101. The agency then recodified R17-1-101 to R17-1-102, effective July 20, 2001, as part of the agency's recodification of Title 17.

This rulemaking originates from the continuous survey of the numerous licenses the various divisions issue. The agency is amending R17-1-102 to add licensing time-frames for various licenses issued by the Intermodal Transportation Division.
- 7. A reference to any study that the agency relied on its evaluation or justification for the rule, and where the public may obtain or review the study, all data underlying each study, any analysis of the study and other supporting material:**
None
- 8. A showing of good cause why the rule is necessary to promote a statewide interest if the rule will diminish a previous grant of authority of a political subdivision of this state:**
Not applicable

9. The summary of the economic, small business, and consumer impact:

This rulemaking will have minimal to moderate costs, consistent with any formal rulemaking, to the agency, the Governor's Regulatory Review Council, and the Secretary of State's Office. The agency will have additional minimal to moderate costs to gather the licensing and reporting data as required by A.R.S. § 41-1073. The general public should benefit by knowing and being able to plan on how long the agency will take to decide on a license issued by the Intermodal Transportation Division.

10. A description of the changes between the proposed rules, including supplemental notices, and final rules (if applicable):

Minor technical and grammatical changes have been made to the proposed rule based on suggestions from G.R.R.C. staff.

11. A summary of the principal comments and the agency response to them:

No comments were received.

12. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules:

None

13. Incorporations by reference and their location in the rules:

None

14. Was this rule previously adopted as an emergency rule?

No

15. The full text of the rules follows:

TITLE 17. TRANSPORTATION

CHAPTER 1. DEPARTMENT OF TRANSPORTATION, ADMINISTRATIVE SERVICES DIVISION

ARTICLE 1. GENERAL PROVISIONS

Section

R17-1-102. Licensing Time-frames

ARTICLE 1. GENERAL PROVISIONS

R17-1-102. Licensing Time-frames

- A.** Time-frames. The time-frames listed in ~~Table~~ Tables A and B apply to licenses issued by the ~~Division~~ Department. The licensing time-frames consist of an administrative completeness review time-frame, a substantive review time-frame, and an overall time-frame that have the meanings prescribed in A.R.S. § 41-1072.
1. "~~Division~~ Department" means the Arizona Department of Transportation, ~~Motor Vehicle Division~~.
 2. "License" has the meaning prescribed in A.R.S. § 41-1001(10).
 3. "~~Administrative completeness review time-frame~~" has the meaning prescribed in A.R.S. § 41-1072(1).
 4. "~~Overall time-frame~~" has the meaning prescribed in A.R.S. § 41-1072(2).
 5. "~~Substantive review time-frame~~" has the meaning prescribed in A.R.S. § 41-1072(3).
- B.** Administrative ~~Completeness Review - Notice of Deficiency~~: completeness review - notice of deficiency. Within the time-frame for the administrative completeness review listed in ~~Table~~ Tables A and B, the ~~Division~~ Department shall notify the applicant in writing that the application is complete or incomplete. If the application is incomplete, the ~~Division~~ Department shall issue a notice of deficiency to the applicant specifying ~~what~~ the information ~~is~~ required to make the application administratively complete.
1. The notice of deficiency shall list all missing information.
 2. A notice of deficiency issued by the ~~Division~~ Department within the administrative completeness review time-frame suspends the administrative completeness review time-frame and the overall time-frame, from the date the ~~Department issues the~~ notice of deficiency ~~is issued~~ until the date that the ~~Division~~ Department receives all missing information from the applicant.
- C.** Denial ~~During Administrative Completeness Review~~ during administrative completeness review. ~~The Division shall issue a written notice of denial to the applicant if the applicant does not respond, within 60 days after the date on a notice of deficiency issued under subsection (B), to each item listed in the notice of deficiency.~~
1. The applicant may ~~waive, in whole or in part,~~ withdraw the application during the 60-day response period. If the applicant withdraws the application, the Department shall not issue a written notice of denial. If the applicant wishes to obtain a license after withdrawal of the application, an applicant shall submit a new application.
 2. ~~The notice of denial shall provide a justification for the denial and an explanation of the applicant's right to a hearing or appeal. The Department shall issue a written notice of denial to an applicant if the applicant does not withdraw the~~

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application and does not respond, within 60 days after the date on a notice of deficiency issued under subsection (B), to each item listed in the notice of deficiency.

3. The Department may issue a written notice of denial to an applicant before finding administrative completeness if the information provided by the applicant demonstrates that the applicant is not eligible for a license under the relevant statute or rules.
4. A notice of denial shall provide a justification for the denial and an explanation of the applicant's right to a hearing or appeal.

D. ~~Substantive Review—Comprehensive Request for Additional Information.~~ review - additional information. Within the time-frame for the substantive review listed in ~~Table~~ Tables A and B, the ~~Division~~ Department may issue ~~comprehensive request for additional information to the applicant.~~ a comprehensive request for additional information, or by mutual agreement with the applicant, issue a supplemental request for additional information.

1. ~~The comprehensive~~ Any request for additional information shall list all items of information required.
2. ~~A comprehensive~~ Any request for additional information issued by the ~~Division~~ Department within the substantive review time-frame suspends the substantive review time-frame and overall time-frame, from the date the ~~Department issues the request is issued~~ until the date that the ~~Division~~ Department receives all the required additional information from the applicant.

E. ~~Substantive Review—Supplemental Request.~~ Within the time frame for the substantive review listed in ~~Table A~~ and by mutual agreement with the applicant, the ~~Division~~ may issue a supplemental request for additional information:

1. ~~A supplemental request for additional information shall specify all items of information required.~~
2. ~~A supplemental request for additional information issued by the Division within the substantive review time frame extends the substantive review time frame and the overall time frame for a maximum of 25% of the overall time frame.~~

F. ~~Denial During Substantive Review.~~ The ~~Division~~ shall notify the applicant in writing that the license is denied, if either of the following occurs: during substantive review. The following provisions apply:

1. ~~The applicant does not respond, within 60 days after the date on a comprehensive request for additional information issued under subsection (D), to each item required by the comprehensive request; or may withdraw the application during the response period. If the applicant withdraws the application, the Department shall not issue a written notice of denial. If the applicant wishes to obtain a license after withdrawal of an application, an applicant shall submit a new application.~~
2. ~~The Department shall issue a written notice of denial to an applicant if the applicant does not withdraw the application and does not respond, within the time specified on a supplemental 60 days after the date on a request for additional information under subsection (E) (D), to each item required by the supplemental request.~~
~~The applicant may waive, in whole or in part, the response period.~~
3. ~~The notice of denial shall provide a justification for the denial and an explanation of the applicant's right to a hearing or appeal.~~

G. ~~Notification after Substantive Review~~ substantive review. upon completion of the substantive review, the ~~Division~~ Department shall notify the applicant in writing that the license is granted or denied within the overall time-frames listed in Tables A and B.

1. ~~Notification shall be made within the overall time-frames listed in Table A, unless otherwise tolled.~~
2. ~~The~~ A notice of denial shall provide a justification for the denial and an explanation of the applicant's right to a hearing or appeal.

H. ~~Applicant Response Period~~ response period. In computing the applicant's response periods prescribed in this Section, the last day of a response period ~~shall be~~ is counted. If the last day is a Saturday, Sunday, or legal holiday, the applicant's response period ~~shall run~~ runs until the end of the next ~~business~~ day that is not a Saturday, Sunday, or legal holiday.

I. ~~Effective Date~~ date. This Section applies to applications filed with the ~~Division~~ Department on or after the effective date of this Section.

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Table A. ~~Time-frames~~ Motor Vehicle Division

LICENSE	STATUTORY AUTHORITY	ADMINISTRATIVE COMPLETENESS REVIEW TIME-FRAME	SUBSTANTIVE REVIEW TIME- FRAME	OVERALL TIME-FRAME
Fleet registration	A.R.S. §§ 28-2201 to 28-2208	60 days	30 days	90 days
International proportional registration	A.R.S. §§ 28-2231 to 28-2239	20 days	10 days	30 days
Alternative proportional registration	A.R.S. §§ 28-2261 to 28-2269	60 days	30 days	90 days
Personalized special plates	A.R.S. § 28-2406	5 days	30 days	35 days
Traffic survival school or traffic survival school instructor license	A.R.S. §§ 28-3306 to 28-3307	5 days	35 days	40 days
Driver license issued after suspension, revocation or disqualification	A.R.S. § 28-3315	5 days	30 days	35 days
Automotive recycler, broker, motor vehicle dealer or wholesale motor vehicle dealer license	A.R.S. §§ 28-4301 to 28-4366	8 days	117 days	125 days
Manufacturer, distributor, factory branch, or distributor branch license	A.R.S. §§ 28-4301 to 28-4366	6 days	14 days	20 days
Permit to exhibit or display and sell vehicles off dealer's premises	A.R.S. § 28-4401	6 days	9 days	15 days
Permit to exhibit recreational vehicles at public event	A.R.S. § 28-4402	6 days	9 days	15 days
Authorization to use dealer license plates	A.R.S. § 28-4533	7 days	38 days	45 days
Authorization to dispose of junk vehicle	A.R.S. § 28-4882	5 days	45 days	50 days
License to operate as a title service company	A.R.S. § 28-5003	6 days	14 days	20 days
Third-party authorization to perform certain title and registration, motor carrier licensing and tax reporting, dealer licensing, and driver license functions*	A.R.S. §§ 28-5101 to 28-5110	5 days	90 days	95 days
Third-party authorization to issue over-weight and over-dimensional permits	A.R.S. §§ 28-1145 and 28-5101 to 28-5110	5 days	90 days	95 days
Certification of an authorized third party, or the authorized third party's employee or agent, to perform the authorized functions	A.R.S. §§ 28-5101 to 28-5110	5 days	60 days	65 days
Professional driver training school or professional driver training school instructor license	A.R.S. 32-2351 to 32-2393	5 days	35 days	40 days

* The Division shall have the right to determine when an authorized third party may begin to transact business after a license has been granted.

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Table B. Intermodal Transportation Division

<u>LICENSE</u>	<u>STATUTORY AUTHORITY</u>	<u>ADMINISTRATIVE COMPLETENESS REVIEW TIME-FRAME</u>	<u>SUBSTANTIVE REVIEW TIME-FRAME</u>	<u>OVERALL TIME-FRAME</u>
Outdoor advertising permit	A.R.S. §§ 28-7901 to 28-7909	30 days	30 days	60 days
Encroachment permit	A.R.S. §§ 28-7053(A), 7053(D), 7045(2)	15 days	120 days	135 days
Junkyard screening license	A.R.S. §§ 28-7941 to 28-7943	10 days	30 days	40 days

NOTICE OF FINAL RULEMAKING

TITLE 17. TRANSPORTATION

**CHAPTER 4. DEPARTMENT OF TRANSPORTATION
 MOTOR VEHICLE DIVISION**

PREAMBLE

1. **Sections Affected:** Appendix E of Article 4
Rulemaking Action: Amend
2. **The specific authority for the rulemaking, including both the authorizing statute (general) and the statutes the rules are implementing (specific):**
 Authorizing statute: A.R.S. § 28-366
 Implementing statute: A.R.S. § 28-7045
3. **The effective date of the rules:**
 September 11, 2001
4. **A list of all previous notices appearing in the Register addressing the final rule:**
 Notice of Rulemaking Docket Opening: 7 A.A.R. 68, January 5, 2001
 Notice of Rulemaking Docket Opening: 7 A.A.R. 2162, May 25, 2001
 Notice of Proposed Rulemaking: 7 A.A.R. 2362, June 15, 2001
 Notice of Recodification: 7 A.A.R. 3479, August 10, 2001
5. **The name and address of agency personnel with whom persons may communicate regarding the rulemaking:**
 Name: Wendy S. LeStarge, Rules Analyst
 Address: Department of Transportation
 Administrative Rules Unit, Mail Drop 507M
 3737 N. 7th Street, Suite 160
 Phoenix, AZ 85014-5017
 Telephone: (602) 712-6007
 Fax: (602) 241-1624
 E-mail: wlestarge@dot.state.az.us
 Please visit the ADOT web site to track progress of this rule and any other agency rulemaking matters:
www.dot.state.az.us/about/rules.
6. **An explanation of the rule, including the agency's reasons for initiating the rule:**
 Under authority of A.R.S. § 28-1103(B) and in collaboration with the Overdimensional Permit Advisory Council as prescribed under A.R.S. § 28-1150(C)(3), the Arizona Department of Transportation (ADOT) is rewriting its entire body of administrative rules regulating statewide overdimensional motor carrier permits, R17-4-450 through R17-4-

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467. Even though the rewriting of the overdimensional permits rules is ongoing, ADOT needs to lift specific highway restrictions that are no longer necessary. ADOT is proposing a minor change to Appendix E, which is the Table of Restricted Routes and Escort Requirements for all Arizona Highways ("Table of Restricted Routes"). The Table of Restricted Routes lists the Arizona highways where motor carriers over listed legal dimensions are prohibited from traveling, even with an overdimensional permit. The reason for such prohibition usually is that the highway cannot support a vehicle over the listed dimensions without endangering public safety.

The Table of Restricted Routes has not been updated since adopted in 1983. At the request of certain motor carriers that travel State Route 366, ADOT evaluated State Route 366 and decided that part of it is capable of supporting a motor carrier over the legal width of 8.5 feet. State Route 68 has been reengineered to a four lane divided highway, so width prohibitions are no longer necessary on the reconstructed portions. As a last change, ADOT is correcting the designation of U.S. Highway 666 to its correct designation of U.S. Highway 191.

ADOT is not amending R17-4-455 in this rulemaking. R17-4-455 is listed in order to give a reference location for Appendix E. R17-4-455 and Appendix E will be rewritten and reorganized when ADOT finalizes its rulemaking rewriting all rules regulating statewide overdimensional permits within the next year. The all-encompassing rulemaking will incorporate the changes from this rulemaking of lifting restrictions on State Route 366 and State Route 68. The Notice of Rulemaking Docket Opening for the all-encompassing rulemaking on overdimensional permits was published in 7 A.A.R. 68, January 5, 2001.

Note: Since the initiation of rulemaking on this Section, ADOT has recodified A.A.C. Title 17. The Section was formerly designated R17-4-411.

7. A reference to any study that the agency relied on its evaluation or justification for the rule, and where the public may obtain or review the study, all data underlying each study, any analysis of the study and other supporting material:

None

8. A showing of good cause why the rule is necessary to promote a statewide interest if the rule will diminish a previous grant of authority of a political subdivision of this state:

Not applicable

9. The summary of the economic, small business, and consumer impact:

By lifting highway restrictions, this rulemaking repeals regulation, thereby benefiting all concerned parties, without decreasing public safety. Overdimensional motor carriers will be able to travel these highways without additional restrictions. ADOT and the Department of Public Safety will have less regulation to enforce.

10. A description of the changes between the proposed rules, including supplemental notices, and final rules (if applicable):

Minor technical and grammatical changes have been made to the proposed rule based on suggestions from G.R.R.C. staff.

11. A summary of the principal comments and the agency response to them:

No comments were received.

12. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules:

Not applicable

13. Incorporations by reference and their location in the rules:

None

14. Was this rule previously adopted as an emergency rule?

No

15. The full text of the rules follows:

TITLE 17. TRANSPORTATION

CHAPTER 4. DEPARTMENT OF TRANSPORTATION

MOTOR VEHICLE DIVISION

ARTICLE 4. MOTOR CARRIERS

Section

Appendix E. Table of Restricted Routes and Escort Requirements; Escort Requirements for Class A Permits

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ARTICLE 4. MOTOR CARRIERS

Appendix E. Table of Restricted Routes and Escort requirements, Escort requirements for Class A Permits

TABLE OF RESTRICTED ROUTES AND ESCORT REQUIREMENTS

ROUTE	FROM	TO	AT AND OVER A WIDTH OF	ESCORT – SPE- CIAL CONDITIONS
US 60	Jct SR 61	Jct US 180	12	F/R
US 61	Jct US 60	Jct US 180	12	F/R
SR 61	Jct US 666 <u>191</u>	State Line	10	F/R
SR 64	Milepost 237.1	Jct US 89	12	F/R
US 66	Jct I-40 (W. Flag-TI West <u>Flagstaff Traffic Interchange</u>)	Jct US 89	12	F/R
SR 67	Jct US A89	North Rim	10	F/R
SR 68	Jct SR 95	Jct US 93 <u>MP 14</u>	12	F/R
SR 71	Jct US 60	Jct US 89	12	F/R
SR 72	Jct SR 95	Jct US 60	12	F/R
SR 73	Jct US 60	Jct Fort Apache Road	10	F/R
SR 77	Winkelman	Jct US 70	12	F/R
SR 77	Show Low	Holbrook	12	F/R
SR 78	Jct SR 75 / US 666 <u>75 and US 191</u>	State Line	12	F/R
US 80	Douglas	State Line	12	F/R
SR 82	Sonoita	Jct US 80	12	F/R
SR 83	Sonoita	Route End	10	F/R
SR 85	International Boundary	Ajo	12	F/R
SR 86	Why (Jct SR 85)	Jct SR 286	12	F/R
SR 87	MP 117.85 (McDowell)	Winslow	12	F/R
SR 88	Jct US 60 (Apache Jct)	MP 242.04 (Roosevelt)	(Over Legal)	See Note #1
SR 88	MP 242.04 (Roosevelt)	Jct US 60 (Miami)	12	F/R
US 89	Jct US 93	Jct SR 69 (Prescott)	12	F/R
US A89	Jct US 89 (Prescott)	Jct SR 179 (Sedona)	12	F/R
US A89	Jct SR 179 (Sedona)	Flagstaff	10	F/R
US A89	Jct US (Bitter Springs)	Jacob Lake	(Legal Only)	See Note #1
US A89	Jacob Lake	Fredonia	12	F/R
US 93	Hoover Dam	MP 1.02	10	F/R
US 93	Wikieup	Jct SR 97	12	F/R
SR 95	Quartzsite	MP 148.02	12	F/R
SR 95	MP 148.02	MP 154.88	10	F/R
SR 95	Topock	Needles Bridge Road	12	F/R
SR 96	Jct SR 97	Hillside	10	F/R
US 163	Jct US 160 (Kayenta)	State Line	12	F/R
SR 170	Jct US 70	Route End	12	F/R
SR 179	Jct Interstate 17	Sedona	12	F/R
US 180	Jct SR 64	Flagstaff	12	F/R
US 180	Jct US 60 (Springerville)	Jct US 666 <u>191</u> (Alpine)	12	F/R
SR 181	Jct US 666 <u>191</u>	Chiricahua Nat'l Monument	12	F/R
SR 186	Dos Cabezas (MP 342.92)	Jct SR 181	10	F/R
SR 187	Jct 387	Jct SR 87	12	F/R
SR 188	Jct SR 88 (Roosevelt)	MP 255.44	(Legal Only)	See Note #1

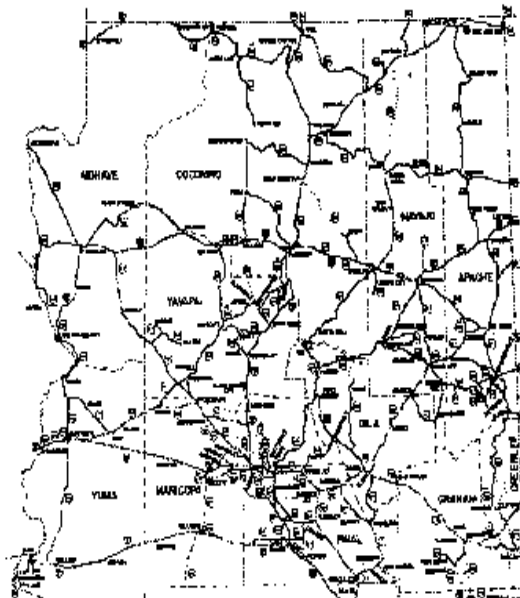
Arizona Administrative Register

Notices of Final Rulemaking

SR 188	MP 255.44	Jct SR 87	12	F/R
US 191	Jct Interstate 40	Jct US 160	12	F/R
SR 260	Jct SR 87 (Payson)	Jct SR 277 (Overgaard)	12	F/R
SR 260	Indian Pine (MP 357.47)	Jct US 180	12	F/R
SR 264	Jct US 160	MP 471.29	12	F/R
SR 273	Jct SR 260	Jct SR 260	10	F/R
SR 277	Jct SR 260 (Heber)	Jct SR 77 (Snowflake)	12	F/R
SR 286	International Boundary	Jct SR 86	12	F/R
SR 288	Jct SR 88	Route End (Near Young)	(Legal Only)	See Note #1
SR 289	Jct Interstate 19	Route End	10	F/R
SR 366	Jct US 666 <u>MP 115</u>	Route End (Graham Peak)	(Legal Only)	See Note #1
SR 373	Jct SR 260	Route End	12	F/R
SR 377	Jct SR 277	Jct SR 77	12	F/R
SR 386	Jct SR 86	Kitt Peak	10	F/R
SR 473	Jct SR 260	Route End (Hawley Lake)	10	F/R
SR 564	Jct US 160	Route End	12	F/R
US 666 <u>191</u>	MP 173.18	Jct US 180 (Alpine)	(Legal Only)	See Note #1
US 666 <u>191</u>	Saint Johns	Jct Interstate 40	12	F/R

Note #1: Movements over legal size and weight will be considered under Class C permits only.
 Abbreviations: MP - Milepost, F/R - Escorts at Front and Rear
 Jct - Junction of Routes

APPENDIX E



NOTICE OF FINAL RULEMAKING

TITLE 17. TRANSPORTATION

CHAPTER 4. DEPARTMENT OF TRANSPORTATION
TITLE, REGISTRATION, AND DRIVER LICENSES

PREAMBLE

- 1. Sections Affected:** **Rulemaking Action:**
R17-4-507 Amend
- 2. The specific authority for the rulemaking, including both the authorizing statute (general) and the statutes the rules are implementing (specific):**
Authorizing statute: A.R.S. § 28-366
Implementing statutes: A.R.S. §§ 28-3165 and 3166
- 3. The effective date of the rules:**
September 14, 2001
- 4. A list of all previous notices appearing in the Register addressing the final rule:**
Notice of Rulemaking Docket Opening: 7 A.A.R. 2085, May 18, 2001
Notice of Proposed Rulemaking: 7 A.A.R. 2112, May 25, 2001
- 5. The name and address of agency personnel with whom persons may communicate regarding the rulemaking:**

Name:	Brent P. Heiss, Rules Analyst
Address:	Department of Transportation Administrative Rules Unit, Mail Drop 507M 3737 N. 7th Street, Suite 160 Phoenix, AZ 85014-5017
Telephone:	(602) 712-8449
Fax:	(602) 241-1624
E-mail:	bheiss@dot.state.az.us

Please visit the ADOT web site to track progress of this rule and any other agency rulemaking matters:
www.dot.state.az.us/about/rules.
- 6. An explanation of the rule, including the agency's reasons for initiating the rule:**
R17-4-507 is the rule giving the requirements for the distinguishing identification number on a driver license. This rulemaking action arises from a five-year review report approved by the Governor's Regulatory Review Council on June 23, 2000 (F-00-0603). The Department is updating the rule's language for clarity and to ensure compliance with 18 USC § 2721 on the use of Social Security Numbers.
- 7. A reference to any study that the agency relied on its evaluation or justification for the rule, and where the public may obtain or review the study, all data underlying each study, any analysis of the study and other supporting material:**
None
- 8. A showing of good cause why the rule is necessary to promote a statewide interest if the rule will diminish a previous grant of authority of a political subdivision of this state:**
Not applicable
- 9. The summary of the economic, small business, and consumer impact:**
This rulemaking updates the current rule for clarity, decreasing the cost of agency enforcement. The rulemaking also updates the rule to comply with federal law regarding the use of Social Security Numbers to facilitate privacy protection.
- 10. A description of the changes between the proposed rules, including supplemental notices, and final rules (if applicable):**
Upon recommendation by staff of the Governor's Regulatory Review Council, the agency incorporated global non-substantial changes in grammar, syntax, and word choice to improve the rule's clarity, conciseness, and understandability.
- 11. A summary of the principal comments and the agency response to them:**
The Department received no comment on this rulemaking.

12. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules:

None

13. Incorporations by reference and their location in the rules:

None

14. Was this rule previously adopted as an emergency rule?

No

15. The full text of the rules follows:

TITLE 17. TRANSPORTATION

**CHAPTER 4. DEPARTMENT OF TRANSPORTATION
TITLE, REGISTRATION, AND DRIVER LICENSES**

ARTICLE 5. DRIVER LICENSES

Section

R17-4-507. ~~Driver's~~ Driver License Identification Number

ARTICLE 5. DRIVER LICENSES

R17-4-507. ~~Driver's~~ Driver License Identification Number

- A. ~~Definitions. The following words and phrases, when used in these rules, shall have the meanings respectively ascribed to them.~~
- ~~1. "Applicant" means any person applying for an operator's, chauffeur's or motorcycle license.~~
 - ~~2.1. "Division" means the Motor Vehicle Division, Arizona Department of Transportation, acting through its duly authorized officers and agents.~~
 - ~~3.2. "Permanent unique identification Identification number" means the Social Security number issued by the U.S. Government or a number assigned by the Department; a distinguishing number assigned by the Division to a person for a license or instruction permit.~~
- B. ~~No operator's, chauffeur's or motorcycle license, or any combination thereof, shall be issued without a permanent unique identification number as provided by this rule. The Division shall assign an identification number to each person who receives a driver license, nonoperating identification license, or instruction permit. The Division shall place a person's identification number on the person's license, nonoperating identification, or instruction permit.~~
- C. ~~Every applicant, upon application for an operator's, chauffeur's or motorcycle license, or any combination thereof, shall be assigned a unique identification number which shall appear on that and all subsequent licenses issued by the Department, except as provided in subsection (D). The Division shall not use a person's Social Security Number as the person's identification number unless:~~
- ~~1. The person's current driver license or nonoperating identification license has a Social Security Number as the identification number, or~~
 - ~~2. The person requests that the person's Social Security Number be used as the identification number.~~
- D. ~~Any person applying for a driver's license may provide proof of his or her Social Security number. Proof which will be considered will be, but not limited to, a pay stub (from which the person's earnings may be deleted or not divulged), a Social Security Identification Card, driver's license from another state, or a document from another government agency that contains the name and Social Security number of the applicant. If the applicant does not provide a Social Security number, a 9-character substitute number will be assigned by the Department. The Social Security number or the substitute number shall appear on the application as the permanent driver's license number.~~
- E. ~~If a person who has received a driver's license with a Department-assigned substitute number subsequently obtains a valid Social Security number, the person may provide the Department proof of this number at the time of renewal and this number shall become the valid driver's license number.~~