This is a preview of "IAPMO/ANSI UPC 1-200...". Click here to purchase the full version from the ANSI store.

Notice

The 2003 edition of the *Uniform Plumbing Code* is developed through a consensus standards development process approved by the American National Standards Institute. This process brings together volunteers representing varied viewpoints and interests to achieve consensus on plumbing issues. While the International Association of Plumbing and Mechanical Officials (IAPMO) administers the process and establishes rules to promote fairness in the development of consensus, it does not independently test, evaluate, or verify the accuracy of any information or the soundness of any judgments contained in its codes and standards.

IAPMO disclaims liability for any personal injury, property, or other damages of any nature whatsoever, whether special, indirect, consequential, or compensatory, directly or indirectly resulting from the publication, use of, or reliance on this document. IAPMO also makes no guaranty or warranty as to the accuracy or completeness of any information published herein.

In issuing and making this document available, IAPMO is not undertaking to render professional or other services for or on behalf of any person or entity. Nor is IAPMO undertaking to perform any duty owed by any person or entity to someone else. Anyone using this document should rely on his or her own independent judgment or, as appropriate, seek the advice of a competent professional in determining the exercise of reasonable care in any given circumstances.

AN AMERICAN NATIONAL STANDARD IAPMO/ANSI UPC 1-2003

UNIFORM PLUMBING CODETM

















REVISION MARKINGS

Code changes from the 2000 edition are marked in the margins as follows:

→ An arrow denotes a deletion.

A vertical denotes a change.

A reference in brackets [] following a section or paragraph indicates material that has been extracted from another document. This reprinted material is not the complete and official position of the National Fire Protection Association on the reference subject which is represented by the standard in its entirety.

Information on referenced publications can be found in Chapter 17.

All pressures used in this code are gauge pressures unless otherwise indicated.

Copyright © 2003 by International Association of Plumbing and Mechanical Officials All Rights Reserved

No part of this work may be reproduced or recorded in any form or by any means, except as may be expressly permitted in writing by the publisher.

Twenty-Third Edition

First Printing, January 2003 Second Printing, October 2003 Second Printing, December 2003 Third Printing, March 2004 Fourth Printing, August 2004 Fifth Printing, February 2005 Sixth Printing, April 2005

ISSN 0733-2335

Published by the International Association of Plumbing and Mechanical Officials 5001 E. Philadelphia Street • Ontario, CA 91761-2816 – USA Main Phone: (909) 472-4100 • Main Fax: (909) 472-4150

2003 UPC Foreword

The advantages of a uniform plumbing code adopted by various local jurisdictions have long been recognized. Disorder in the industry as a result of widely divergent plumbing practices and the use of many different, often conflicting, plumbing codes by local jurisdictions influenced the Western Plumbing Officials Association (now the International Association of Plumbing and Mechanical Officials [IAPMO]) to form a committee of plumbing inspectors, master and journeyman plumbers, sanitary and mechanical engineers, assisted by public utility companies, and the plumbing industry to create a basic plumbing document for general use. The product of this effort, the first edition of the Uniform Plumbing CodeTM (UPCTM) was officially adopted by IAPMO in 1945. The widespread use of this code over the past five decades by jurisdictions throughout the United States and internationally is testimony to its merit.

With the publication of the 2003 Edition of the Uniform Plumbing Code, another significant milestone has been reached. For the first time in the history of the United States, a plumbing code developed through a true consensus process has been achieved. Contributions to the content of this code were made by every segment of the built industry including such diverse interests as consumers, enforcing authorities, installers/maintainers, insurance, labor, manufacturers, research/standards/testing laboratories, special experts, and users.

The consensus process, accredited by the American National Standards Institute, serves as the framework for the Comprehensive Consensus™ Code (C3) set – our nation's first true set of ANSI accredited harmonized construction codes for the built industry. IAPMO's C3 partners include the National Fire Protection Association (NFPA), the Western Fire Chiefs Association (WFCA) and the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE).

The UPC is designed to provide consumers with safe and sanitary plumbing systems while, at the same time, allowing latitude for innovation and new technologies. The public at large is encouraged and invited to participate in IAPMO's open consensus code development process. This code is updated every three years. A code development timeline and other relevant information is available at IAPMO's website at www.iapmo.org.

The Uniform Plumbing Code is dedicated to all those who, in working to achieve "the ultimate plumbing code," have unselfishly devoted their time, effort and personal funds to create and maintain this, the finest plumbing code in existence today.

The 2003 Uniform Plumbing Code is supported by the C3 partners as well as the American Society of Sanitary Engineering (ASSE), Mechanical Contractors Association of America (MCAA), Plumbing-Heating-Cooling Contractors National Association (PHCC-NA), the United Association (UA), and the World Plumbing Council (WPC). The presence of these logos, while reflecting support, does not imply any ownership of the copyright to the UPC which is held exclusively by IAPMO. Further, the logos of these associations indicates the support of IAPMO's open, consensus process being used to develop IAPMO's codes and standards.

The addresses of the organizations are as follows: ASHRAE – 1791 Tullie Circle, N.E. • Atlanta, GA 30329 • (800) 527-4723

ASSE – 901 Canterbury Road, Suite A • Westlake, OH 44145-7201 • (440) 835-3040

MCAA – 1385 Piccard Drive • Rockville, MD 20850 • (301) 869-5800

NFPA – 1 Batterymarch Park • Quincy, MA 02269 • (617) 770-3000

PHCC-NA – PO Box 6808 • Falls Church, VA 22046 • (800) 533-7694

UA – 901 Massachusetts Avenue NW • Washington, DC 20001 • (202) 628-5823

WFCA - 727 Center Street NE, Suite 300 • Salem, OR 97301 • (503) 588-7665

WPC – WPC Secretary • c/o The Institute of Plumbing • 64 Station Lane • Hornchurch Essex

RM12 6NB • United Kingdom • +44 17-08-47-27-91

COMMITTEE ON UNIFORM PLUMBING CODE

These lists represent the membership at the time the Committee was balloted on the final text of this edition. Since that time, changes in the membership may have occurred.

Terry Swisher, *Chairman* State of Oregon, [E]

James Weflen, Secretary
Copper Development Association, [M]

Julius Ballanco, JB Engineering/Code Consultant PC [SE]
Rep. American Society of Plumbing Engineers
Paul Cabot, American Gas Association [U]
Sidney Cavanaugh, United Association [L]
Richard Church, Plastic Pipe and Fittings Association [M]
Donald Dickerson, Donald Dickerson Associates [SE]
Kenneth Ford, National Association of Home Builders [U]
Lawrence Gibson, Intertek Testing Services [R/T]
Gary Hile, Municipality of Anchorage [E]
Theodore Lernoff, NFPA [R/T]
William LeVan, Cast Iron Soil Pipe Institute [M]
Perry Meikle, PW Meikle Consultants [R/T]
Rep. NSF International
David Naughton, Underwriter Laboratories [R/T]

Gerald Phariss, UA Southeast Training Center [R/T]
Rep. American Society of Sanitary Engineering
Robert Rawlings, State of Idaho [E]
Phillips Ribbs, City of San Jose [E]
Arnold Rodio, Pace Setter Plumbing [I/M]
John Roth, City of Houston [E]
Edward Sanchez, City of Los Angeles [E]
Anthony Scarano, Plastics Piping Consultant [SE]
Joseph Sternola, National Propane Gas Association (NPGA) [U]
Don Traylor, State Plumbing Board of Louisiana [E]
David Viola, Plumbing Manufacturers Institute [M]
William Whitehead, Plumbing and Drainage Institute [M]
Richard Zannini, Plumbing-Heating-Cooling Contractors
National Association [I/M]

Alternates

Rand Ackroyd, Rand Engineering [M]
Rep. Plumbing and Drainage Institute
Ian Chang, Intertek Testing Services [R/T]
Shannon Corcoran, American Society of Sanitary Engineering [R/T]
Bob Friedlander, Construction Code Consultant [M]
Rep. Plastic Pipe and Fittings Association
Andrew Kireta, Copper Development Association [M]

Robert Kordulak, Plumbing-Heating-Cooling Contractors
National Association [I/M]

Duffy Latham, City of Los Angeles [E]
John Taecker, Underwriter Laboratories [R/T]

April Trafton, Donald Dickerson Associates [SE]

Fred Volkers, United Association [L]

James Walls, Cast Iron Soil Pipe Institute [M]

Nonvoting

Courtney Aford, Ex-Officio, IAPMO [E]*
John Halliwill, IAPMO Staff Liaison

 $\textbf{Morrie Klimboff}, \textbf{Member Emeritus}, \textbf{M Klimboff Consulting } [\textbf{C}]^*$

Committee Membership Classification Abbreviations

These classifications apply to Technical Committee members and represent their principal interest in the activity of a committee.

- **M** *Manufacturer:* A representative of a maker or marketer of a product, assembly, or system, or portion thereof, that is affected by the standard.
- U User: A representative of an entity that is subject to the provisions of the standard or that voluntarily uses the standard.
- I/M Installer/Maintainer: A representative of an entity that is in the business of installing or maintaining a product, assembly, or system affected by the standard.
- L *Labor:* A labor representative or employee concerned with safety in the workplace.
- R/T Applied Research/Testing Laboratory: A representative of an independent testing laboratory or independent applied research organization that promulgates and / or enforces standards.
- E Enforcing Authority: A reperesentative or an agency or an organization that promulgates and/or enforces standards.
- I Insurance: A representative of an insurance company, broker, agent, bureau, or inspection agency.
- C Consumer: A person who is, or represents, the ultimate purchaser of a product, system, or service affected by the standard, but who is not included in the *User* classification.
- SE Special Expert: A person not represeting any of the previous classifications, but who has special expertise in the scope of the standard or portion thereof.

FORM FOR PROPOSALS ON IAPMO UPC/UMC COMMITTEE DOCUMENT

NOTE: All proposals MUST be received by 5:00 PM PST/PDST on the published proposal-closing date.

FOR OFFICE USE ONLY For further information on the standards-making process, please contact Codes and Standards Administration at 909-472-4110 LOG # : __ For technical assistance, please call IAPMO at 909-472-4111 or DATE REC'D: ___ 909-472-4112 PLEASE USE SEPARATE FORM FOR EACH PROPOSAL ☐ Paper ☐ Download* ☐ CD-ROM Please indicate in which format you wish to receive your ROP/ROC: *Note: In choosing the download option, you intend to view the ROP/ROC from our website, NO copy will be sent to you. Date: ______ Name: _____ Telephone #: _____ Please Indicate Organization Represented (if any): 1. a) IAPMO Document Title ______ Document Year_____ b) Section/Paragraph _____ 2. **Proposal Recommends** (check one): Proposal (Include proposed new or revised wording, or identification of wording to be deleted): [Note: Proposed text should be in legislative format: i.e., use underscore to denote wording to be inserted (inserted wording) and strikethrough to denote wording to be deleted (deleted wording). PLEASE TYPE OR PRINT LEGIBLY IN BLACK INK. 4. Statement of Problem and Substantiation for Proposal: [Note: State the problem that will be resolved by your recommendations; give the specific reason for your proposal, including copies of tests, research papers, etc. If more than 200 words, it may be abstracted for publication.] 5. This proposal is original material. [Note: Original material is considered to be the submitter's own idea based on or as a result of his/her own experience, thought, or research and, to the best of his/her knowledge, is not copied from another source.] This proposal is not original material, its source (if known) is as follows: I hereby grant IAPMO all and full rights in copyright, in this proposal, and I understand that I acquire no rights in any publication of IAPMO in which this proposal appears in this or another similar or analogous form. Signature (Required): —

IAPMO CODES DEPARTMENT FAX • (909) 472-4157 or (909) 472-4246

Mail to: Secretary, Standards Council • IAPMO • 5001 E Philadelphia Street • Ontario • CA • 91761-2816

INSTRUCTIONS FOR SUBMITTING PROPOSALS

- PLEASE READ CAREFULLY -

- 1. Type or print in BLACK ink.
- 2. Indicate the title of the document and the document year. Also indicate the specific section or paragraph that the proposed amendment applies to.
- 3. Check the appropriate box to indicate whether this proposal recommends adding new text, revising existing text, or deleting text.
- 4. In the space identified as "Proposal", indicate the exact wording you propose as new or revised text, or the text you propose be deleted.
- 5. In the space title "Statement of Problem and Substantiation for Proposal", state the problem which will be resolved by your recommendation and give the specific reason for your proposal. Include copies of test results, research papers, fire experience, or other materials that substantiate your recommendation. [See note below, item (f).]
- 6. Check the appropriate box to indicate whether or not this proposal is original material, and if it is not, indicate the source of the material.
- 7. Sign the proposal.

If supplementary material (photographs, diagrams, reports, etc.) is included, you may be required to submit sufficient copies for all members and alternates of the technical committee. The technical committee is authorized to abstract the "Statement of Problem and Substantiation for Proposal" if it exceeds 200 words for publication in the Report on Proposals.

NOTE: The IAPMO Regulations Governing Committee Projects in Paragraph 4-3.3 state: Each proposal shall be submitted to the Council Secretary and shall include: (a) identification of the submitter and his or her affiliation (i.e., technical committee, organization, company), where appropriate; (b) identification of the document, edition of the document, and paragraph of the document to which the proposal is directed; (c) the proposed text of the proposal, including the wording to be added, revised (and how revised), or deleted; (d) a statement of the problem and substantiation for proposal; (e) the signature of the submitter; and (f) two copies of any document(s) (other than an IAPMO document) being proposed as a reference standard or publication (see 3-3.7).

TABLE OF CONTENTS

Chaptei	r 1 Administration	312.0	Independent Systems	21
101.0	Title, Scope, General	313.0	Protection of Piping, Materials,	
101.1	Title		and Structures	21
101.2	Purpose	314.0	Hangers and Supports	22
101.3	Plans Required	315.0	Trenching, Excavation	
101.4	Scope		and Backfill	22
101.5	Application to Existing	316.0	Joints and Connections	23
	Plumbing System	317.0	Increasers and Reducers	24
102.0	Organization and Enforcement	318.0	Food Handling	
102.1	Authority Having Jurisdiction		Establishments	24
102.2	Duties and Powers of the	319.0	Test Gauges	24
	Authority Having Jurisdiction	320.0	Medical Gas and Vacuum Systems	25
102.3	Violations and Penalties			
103.0	Permits and Inspections	Chapter 4	Plumbing Fixtures and	
103.1	Permits		Fixture Fittings	27
103.2	Application for Permit	401.0	Materials -	
	Permit Issuance		General Requirements	27
103.4	Fees	402.0	Water-Conserving	
103.5	Inspections		Fixtures and Fittings	27
	Connection Approval	403.0	Materials - Alternates	27
103.7	Unconstitutionality	404.0	Overflows	27
103.8	Validity	405.0	Strainers and Connections	27
Table	1-1 Plumbing Permit Fees	406.0	Prohibited Fixtures	28
		407.0	Special Fixtures and Specialties .	
Chaptei		408.0	Installation	
201.0	General11	409.0	Water Closets	
202.0	Definition of Terms11	410.0	Urinals	
		411.0	Flushing Devices for Water	
Chaptei	_	11110	Closets and Urinals	29
301.0	Materials - Standards and Alternates19	412.0	Floor Drains and Shower Stalls .	
301.1	Minimum Standards19	413.0	Minimum Number of	>
301.2	Alternate Materials and Methods	110.0	Required Fixtures	31
	Equivalency	414.0	Fixtures and Fixture Fittings for	01
302.0	Iron Pipe Size (IPS) Pipe20	414.0	Persons with Disabilities	30
303.0	Disposal of Liquid Waste20	415.0	Whirlpool Bathtubs	
304.0	Connections of Plumbing	416.0	Installation of Fixture Fittings	
20-0	System Required	417.0	9	
305.0	Sewers Required	417.0	Bidets Deleted	
306.0	Damage of Drainage System			
207.0	or Public Sewer	419.0	Future Fixtures	32
307.0	Industrial Wastes	420.0	Shower and Tub/Shower	22
308.0	Location	404.0	Combination Control Valves	33
309.0	Improper Location	421.0	Limitation of Hot Water	
310.0	Workmanship		in Bathtubs	
311.0	Prohibited Fittings and Practices21	Table 4-1	Minimum Plumbing Facilities	33

UNIFORM PLUMBING CODE

Chapter 5	Water Heaters Part I37	701.0	Materials
501.0 Ge	neral	702.0	Fixture Unit Equivalents109
502.0 De	finitions	703.0	Size of Drainage Piping109
503.0 Per	rmits	Table 7-3	Drainage Fixture Unit Values
504.0 Ins	pection		(DFU)
505.0 Wa	ater Heater Requirements	Table 7-4	Discharge Capacity In Gallons per
	-Burning and		Minute (Liters per Second) For
	ner Water Heater		Intermittent Flow Only109
	for Combustion and Ventilation38	704.0	Fixture Connections (Drainage)109
	ner Water Heater	705.0	Joints and Connections110
	tallation Requirements	706.0	Changes in Direction of Drainage
	uipment on Roofs		Flow111
•	nting of Equipment	707.0	Cleanouts
	ing of Category I Venting Systems 59	708.0	Grade of Horizontal Drainage
	rect-Vent Equipment		Piping112
	ing of Venting Systems Serving	709.0	Gravity Drainage Required113
	pliances Equipped with Draft	710.0	Drainage of Fixtures Located Below
	ods, Category I Appliances, and		the Next Upstream Manhole or Below
Ap	pliances Listed for Use with		the Main Sewer Level
Ty_{J}	pe B Vents	711.0	Suds Relief
		712.0	Testing
Chapter 6	Water Supply and Distribution91		
601.0	Running Water Required	Part II	Building Sewers
602.0	Unlawful Connections	713.0	Sewer Required
603.0	Cross-Connection Control	714.0	Damage to Public Sewer of Private
604.0	Materials	-1-0	Sewage Disposal System
605.0	Valves	715.0	Building Sewer Materials115
606.0	Joints and Connections98	716.0	Markings
607.0	Gravity Supply Tanks98	717.0	Size of Building Sewers
608.0	Water Pressure, Pressure Regulators,	718.0	Grade, Support, and Protection of
	Pressure Relief Valves, and Vacuum	7 10.0	Building Sewers
	Relief Valves98	719.0	Cleanouts
609.0	Installation, Testing, Unions,	720.0 721.0	Sewer and Water Pipes
	and Location99	721.0	Location
Table 6-4	Water Supply Fixture Units (WSFU)	722.0	Abandoned Sewers and Sewage Disposal Facilities
1000001	and Minimum Fixture	723.0	•
	Branch Sizes	723.0	Building Sewer Test
Table 6-5	Fixture Unit Table for Determining	Chapter 8	Indirect Wastes
	Water Pipe and Meter Sizes102	801.0	Indirect Wastes
610.0	Size of Potable Water Piping 103	802.0	Approvals
611.0	Drinking Water Treatment Units105	803.0	Indirect Waste Piping120
	0	804.0	Indirect Waste Receptors120
Chapter 7	Sanitary Drainage	805.0	Pressure Drainage Connections 120
Part I	Drainage Systems	806.0	Sterile Equipment

TABLE OF CONTENTS

807.0	Appliances	1016.0	Sand Interceptors
808.0	Cooling Water120	1017.0	Oil and Flammable
809.0	Drinking Fountains121		Liquids Interceptors
810.0	Steam and Hot Water Drainage		•
	Condensers and Sumps	Chapter 11	Storm Drainage
811.0	Chemical Wastes	1101.0	General
812.0	Clear Water Wastes122	1102.0	Materials
813.0	Swimming Pools122	1103.0	Traps on Storm Drains
814.0	(Reserved)122		and Leaders
815.0	Condensate Wastes and Control122	1104.0	Leaders, Conductors,
			and Connections
Chapter 9	Vents	1105.0	Roof Drains
901.0	Vents Required123	1106.0	Size of Leaders, Conductors, and
902.0	Vents Not Required		Storm Drains
903.0	Materials	1107.0	Values of Continuous Flow
904.0	Size of Vents	1108.0	Controlled-Flow Roof Drainage141
905.0	Vent Pipe Grades and Connections124	1109.0	Testing
906.0	Vent Termination124	1100.0	165411.6
907.0	Vent Stacks and Relief Vents	Chapter 12	Fuel Piping
908.0	Vertical Wet Venting125	1201.0	Scope of Gas Piping145
909.0	Special Venting for Island Fixtures125	1202.0	General
910.0	Combination Waste and	1203.0	Definitions
	Vent Systems	1203.0	Inspection
	•	1205.0	Certificate of Inspection
Chapter 10	Traps and Interceptors127	1206.0	Authority to Render
1001.0	Traps Required127	1200.0	Gas Service
1002.0	Traps Protected by Vent Pipes127	1207.0	Authority to Disconnect147
1003.0	Traps - Described	1207.0	Temporary Use of Gas
1004.0	Traps - Prohibited128	1209.0	Gas-Piping System Design,
1005.0	Trap Seals	1209.0	Materials, and Components
1006.0	Floor Drain Traps128	1210.0	-
1007.0	Trap Seal Protection	1210.0	(Reserved)
1008.0	Building Traps	1211.0	
1009.0	Industrial Interceptors (Clarifiers)	1212.0	Equipment Connections to Building
	and Separators128	1212.0	Piping
1010.0	Slaughterhouses, Packing	1213.0	Liquefied Petroleum Gas Facilities
	Establishments, etc	1214.0	and Piping
1011.0	Minimum Requirements	1214.0	Pressure Testing and Inspection162
	for Auto Wash racks129	1215.0	Interconnections Between
1012.0	Commercial and	1017.0	Gas Piping Systems
	Industrial Laundries	1216.0	Required Gas Supply
1013.0	Bottling Establishments	1217.0	Required Gas Piping Size165
1014.0	Grease Traps and	Table 12-7	7 to Table 12-23
	Grease Interceptors	~ 1	
1015.0	Food Waste Disposal and	Chapter 13	Health Care Facilities and Medical Gas
	Dishwasher Prohibited		and Vacuum Systems187

UNIFORM PLUMBING CODE

Part I	Special Requirements for Health Care Facilities	Abbreviation in Table 14-1	
1301.0	Application	Chapter 15	Firestop Protection
1302.0	Medical Gas and Vacuum Piping	1501.0	General Requirements
	Systems -Installation Requirements187	1502.0	Plans and Specifications237
1303.0	Protrusions from Walls187	1503.0	Installation
1304.0	Psychiatric Patient Rooms	1504.0	Definitions
1305.0	Locations for Ice Storage187	1505.0	Combustion Installations
1306.0	Sterilizers	1506.0	Non-Combustible
1307.0	Vapor Vents and Stacks		Piping Installation237
	for Sterilizers	1507.0	Required Inspection
1308.0	Aspirators		1 1
		Appendices	Table of Contents239
Part II	Medical Gas and Vacuum System188		Recommended Rules for Sizing the
1309.0	Application	11	Water Supply System
1310.0	Definitions	Appendix B	Explanatory Notes on Combination
1311.0	General Requirements	11	Waste and Vent Systems257
1312.0	Plan Review	Appendix C	-
1313.0	System Performance		Sizing Stormwater
1314.0	(Reserved)191	11	Drainage Systems
1315.0	Required Pipe Sizing191	Appendix E	Manufactured/Mobile Home Parks and
1316.0	Workmanship191	11	Recreational Vehicle Parks267
1317.0	Materials	Appendix F	(Reserved)
1318.0	Cleaning for Medical	Appendix C	GGraywater Systems for
	Gas Piping Systems194		Single-Family Dwellings279
1319.0 1320.0	Installation of Piping	Appendix H	Recommended Procedures for Design, Construction, and Installation of
1321.0	Valves - Requirements, Locations,		Commercial Kitchen Grease
	and Labeling		Interceptors
1322.0	Pressure Regulating Equipment199	Appendix I	Installation Standards Table of
1323.0	Station Outlets/Inlets		Content
1324.0	Labeling and Identification 199	Appendix J	Reclaimed Water Systems for Non-
1325.0	Alarms		Residential Buildings397
1326.0	Medical Air System200		Private Sewage Disposal Systems401
1327.0	Medical Vacuum Pump System201	Appendix L	Alternate Plumbing Systems413
1328.0	(Reserved)		
1329.0	Testing and Inspection	Useful Tabl	les
1330.0	(Reserved)		
1331.0	System Certification204	Index	
Chapter 14	Mandatory Referenced		
	Standards		
Table 14-1	Standards for Materials, Equipment,		
	Joints, and Connections		
Table 14-1	Index		

CHAPTER 1

ADMINISTRATION

101.0 Title, Scope, and General.

101.1 Title.

This document shall be known as the "Uniform Plumbing Code," may be cited as such, and will be referred to herein as "this code."

101.2 Purpose.

This code is an ordinance providing minimum requirements and standards for the protection of the public health, safety, and welfare.

101.3 Plans Required.

The Authority Having Jurisdiction may require the submission of plans, specifications, drawings, and such other information as the Authority Having Jurisdiction may deem necessary, prior to the commencement of, and at any time during the progress of, any work regulated by this code.

The issuance of a permit upon plans and specifications shall not prevent the Authority Having Jurisdiction from thereafter requiring the correction of errors in said plans and specifications or from preventing construction operations being carried on thereunder when in violation of this code or of any other pertinent ordinance or from revoking any certificate of approval when issued in error.

101.4 Scope.

ı

101.4.1 The provisions of this code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of plumbing systems within this jurisdiction.

101.4.1.1 Repairs and Alterations.

101.4.1.1.1 In existing buildings or premises in which plumbing installations are to be altered, repaired, or renovated, deviations from the provisions of this code are permitted, provided such deviations are found to be necessary and are first approved by the Authority Having Jurisdiction.

101.4.1.1.2 Existing building sewers and building drains may be used in connection with new buildings or new plumbing and drainage work only when they are found on examination and test to conform in all respects to the requirements governing new work, and the proper Authority Having Jurisdiction shall notify the owner to

make any changes necessary to conform to this code. No building or part thereof, shall be erected or placed over any part of a drainage system which is constructed of materials other than those approved elsewhere in this code for use under or within a building.

101.4.1.1.3 All openings into a drainage or vent system, excepting those openings to which plumbing fixtures are properly connected or which constitute vent terminals, shall be permanently plugged or capped in an approved manner, using the appropriate materials required by this code.

101.4.1.2 Maintenance. The plumbing and drainage system of any premises under the jurisdiction of the Authority Having Jurisdiction shall be maintained in a sanitary and safe operating condition by the owner or the owner's agent.

101.4.1.3 Existing Construction. No provision of this code shall be deemed to require a change in any portion of a plumbing or drainage system or any other work regulated by this code in or on an existing building or lot when such work was installed and is maintained in accordance with law in effect prior to the effective date of this code, except when any such plumbing or drainage system or other work regulated by this code is determined by the Authority Having Jurisdiction to be in fact dangerous, unsafe, insanitary, or a nuisance and a menace to life, health, or property.

101.4.1.4 Conflicts Between Codes. When the requirements within the jurisdiction of this plumbing code conflict with the requirements of the mechanical code, this code shall prevail.

101.4.2 Additions, alterations, repairs, and replacement of plumbing systems shall comply with the provisions for new systems except as otherwise provided in Section 101.5.

101.4.3 The provisions in the appendices are intended to supplement the requirements of this code and shall not be considered part of this code unless formally adopted as such.

101.5 Application to Existing Plumbing System. 101.5.1 Additions, Alterations, or Repairs.

Additions, alterations, or repairs may be made to any plumbing system without requiring the existing plumbing system to comply with all the requirements of this code, provided the addition, alteration, or repair conforms to that required for a new plumbing system. Additions, alterations, or repairs shall not cause an existing system to become unsafe, insanitary, or overloaded.

101.5.2 Health and Safety. Whenever compliance with all the provisions of this code fails to eliminate or alleviate a nuisance, or any other dangerous or insanitary condition which may involve health or safety hazards, the owner or the owner's agent shall install such additional plumbing and drainage facilities or shall make such repairs or alterations as may be ordered by the Authority Having Jurisdiction.

101.5.3 Existing Installation. Plumbing systems lawfully in existence at the time of the adoption of this code may have their use, maintenance, or repair continued if the use, maintenance, or repair is in accordance with the original design and location and no hazard to life, health, or property has been created by such plumbing system.

101.5.4 Changes in Building Occupancy. Plumbing systems which are a part of any building or structure undergoing a change in use or occupancy, as defined in the Building code, shall comply to all requirements of this code which may be applicable to the new use or occupancy.

101.5.5 Maintenance. All plumbing systems, materials, and appurtenances, both existing and new, and all parts thereof shall be maintained in proper operating condition. All devices or safeguards required by this code shall be maintained in conformance with the code edition under which installed. The owner or the owner's designated agent shall be responsible for maintenance of plumbing systems. To determine compliance with this subsection, the Authority Having Jurisdiction may cause any plumbing system to be reinspected.

101.5.6 Moved Buildings. Plumbing systems which are part of buildings or structures moved into this jurisdiction shall comply with the provisions of this code for new installations except as provided for in Section 103.5.5.2.

102.0 Organization and Enforcement.

102.1 Authority Having Jurisdiction.

The Authority Having Jurisdiction shall be the Authority duly appointed to enforce this code.

102.2 Duties and Powers of the Authority Having Jurisdiction.

102.2.1 The Authority Having Jurisdiction may appoint such assistants, deputies, inspectors, or other employees as are necessary to carry out the functions of the department and this code.

102.2.2 Right of Entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the Authority Having Jurisdiction has reasonable cause to believe that there exists in any building or upon any premises, any condition or violation of this code which makes the building or premises unsafe, insanitary, dangerous, or hazardous, the Authority Having Jurisdiction may enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the Authority Having Jurisdiction by this code, provided that if such building or premises is occupied, the Authority Having Jurisdiction shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the Authority Having Jurisdiction shall first make a reasonable effort to locate the owner or other person having charge or control of the building or premises and request entry. If entry is refused, the Authority Having Jurisdiction has recourse to every remedy provided by law to secure entry.

When the Authority Having Jurisdiction shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner, occupant, or person having charge, care, or control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry herein by the Authority Having Jurisdiction for the purpose of inspection and examination pursuant to this code.

102.2.3 Stop Orders. Whenever any work is being done contrary to the provisions of this code, the Authority Having Jurisdiction may order the work stopped by notice in writing served on any persons engaged in the doing or causing such work to be done, and any such persons shall forthwith stop work until authorized by the Authority Having Jurisdiction to proceed with the work.

102.2.4 Authority to Disconnect Utilities in Emergencies. The Authority Having Jurisdiction shall have the authority to

ADMINISTRATION 102.2 – 103.2

disconnect a plumbing system to a building, structure, or equipment regulated by this code in case of emergency where necessary to eliminate an immediate hazard to life or property.

102.2.5 Authority to Condemn. Whenever the Authority Having Jurisdiction ascertains that any plumbing system or portion thereof, regulated by this code, has become hazardous to life, health, property, or has become insanitary, the Authority Having Jurisdiction shall order in writing that such plumbing either be removed or placed in a safe or sanitary condition, as appropriate. The order shall fix a reasonable time limit for compliance. No person shall use or maintain defective plumbing after receiving such notice.

When such plumbing system is to be disconnected, written notice shall be given. In cases of immediate danger to life or property, such disconnection may be made immediately without such notice.

102.2.6 Liability. The Authority Having Jurisdiction charged with the enforcement of this code, acting in good faith and without malice in the discharge of the Authority Having Jurisdiction's duties, shall not thereby be rendered personally liable for any damage that may accrue to persons or property as a result of any act or by reason of any act or omission in the discharge of duties. A suit brought against the Authority Having Jurisdiction or employee because of such act or omission performed in the enforcement of any provision of this code shall be defended by legal counsel provided by this jurisdiction until final termination of such proceedings.

102.3 Violations and Penalties.

I

102.3.1 Violations. It shall be unlawful for any person, firm, or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert, demolish, equip, use, or maintain any plumbing or permit the same to be done in violation of this code.

102.3.2 Penalties. Any person, firm, or corporation violating any provision of this code shall be deemed guilty of a misdemeanor, and upon conviction thereof, shall be punishable by a fine and/or imprisonment set forth by the governing laws of the jurisdiction. Each separate day or any portion thereof, during which any violation of this code occurs or continues, shall be deemed to constitute a separate offense.

103.0 Permits and Inspections.

103.1 Permits.

103.1.1 Permits Required. It shall be unlawful for any person, firm, or corporation to make any installation, alteration, repair, replacement, or remodel any plumbing system regulated by this code except as permitted in Section 103.1.2, or to cause the same to be done without first obtaining a separate plumbing permit for each separate building or structure.

103.1.2 Exempt Work. A permit shall not be required for the following:

103.1.2.1 The stopping of leaks in drains, soil, waste, or vent pipe, provided, however, that should any trap, drainpipe, soil, waste, or vent pipe become defective and it becomes necessary to remove and replace the same with new material, the same shall be considered as new work and a permit shall be procured and inspection made as provided in this code.

103.1.2.2 (1) The clearing of stoppages, including the removal and reinstallation of water closets, or

(2) the repairing of leaks in pipes, valves, or fixtures, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of the code or any other laws or ordinances of this jurisdiction.

103.1.3 Licensing. As a result of an agreement between the Department of Housing and Urban Development (HUD) and IAPMO, the requirements for licensing have been removed from this section of the UPC. Provision for licensing shall be determined by the Authority Having Jurisdiction.

103.2 Application for Permit.

103.2.1 Application. To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the Authority Having Jurisdiction for that purpose. Every such application shall:

103.2.1.1 Identify and describe the work to be covered by the permit for which application is made.

103.2.1.2 Describe the land upon which the proposed work is to be done by legal description, street address, or similar

103.2 - 103.3

I

description that will readily identify and definitely locate the proposed building or work.

103.2.1.3 Indicate the use or occupancy for which the proposed work is intended.

103.2.1.4 Be accompanied by plans, diagrams, computations, and other data as required in Section 103.2.2.

103.2.1.5 Be signed by permittee or the permittee's authorized agent, who may be required to submit evidence to indicate such authority.

103.2.1.6 Give such other data and information as may be required by the Authority Having Jurisdiction.

103.2.2 Plans and Specifications. Plans, engineering calculations, diagrams, and other data shall be submitted in one or more sets with each application for a permit. The Authority Having Jurisdiction may require plans, computations, and specifications to be prepared by and the plumbing designed by an engineer and/or architect licensed by the state to practice as such.

Exception: The Authority Having Jurisdiction may waive the submission of plans, calculations, or other data if the Authority Having Jurisdiction finds that the nature of the work applied for is such that reviewing of plans is not necessary to obtain compliance within the code.

103.2.3 Information on Plans and Specifications. Plans and specifications shall be drawn to scale upon substantial paper or cloth and shall be of sufficient clarity to indicate the location, nature, and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules, and regulations.

103.3 Permit Issuance.

103.3.1 Issuance. The application, plans, and specifications and other data filed by an applicant for a permit shall be reviewed by the Authority Having Jurisdiction. Such plans may be reviewed by other departments of this jurisdiction to verify compliance with applicable laws under their jurisdiction. If the Authority Having Jurisdiction finds that the work described in an application for permit and the plans, specifications, and other data filed therewith conform to the requirements of the code and other pertinent laws and ordinances, and that the fees specified in Section 103.4 have

been paid, the Authority Having Jurisdiction shall issue a permit therefor to the applicant.

When the Authority Having Jurisdiction issues the permit where plans are required, the Authority Having Jurisdiction shall endorse in writing or stamp the plans and specifications "APPROVED." Such approved plans and specifications shall not be changed, modified, or altered without authorization from the Authority Having Jurisdiction, and all work shall be done in accordance with approved plans.

The Authority Having Jurisdiction may issue a permit for the construction of a part of a plumbing system before the entire plans and specifications for the whole system have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit may proceed at the holder's risk without assurance that the permit for the entire building, structure, or plumbing system will be granted.

103.3.2 Retention of Plans. One set of approved plans, specifications, and computations shall be retained by the Authority Having Jurisdiction until final approval of the work covered therein. One set of approved plans and specifications shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

103.3.3 Validity of Permit. The issuance of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. No permit presuming to give authority to violate or cancel the provisions of this code shall be valid.

The issuance of a permit based upon plans, specifications, or other data shall not prevent the Authority Having Jurisdiction from thereafter requiring the correction of errors in said plans, specifications, and other data or from preventing building operations being carried on thereunder when in violation of this code or of other ordinances of this jurisdiction.

103.3.4 Expiration. Every permit issued by the Authority Having Jurisdiction under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within one hundred eighty (180) days from the date of such permit, or if the work authorized by

ADMINISTRATION 103.3 – 103.4

such permit is suspended or abandoned at any time after the work is commenced for a period of one hundred eighty (180) days. Before such work can be recommenced, a new permit shall first be obtained to do so, and the fee therefor shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspensions or abandonment has not exceeded one year.

Any permittee holding an unexpired permit may apply for an extension of the time within which work may commence under that permit when the permittee is unable to commence work within the time required by this section for good and satisfactory reasons. The Authority Having Jurisdiction may extend the time for action by the permittee for a period not exceeding one hundred eighty (180) days upon written request by the permittee showing that circumstances beyond the control of the permittee have prevented action from being taken. No permit shall be extended more than once. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee.

103.3.5 Suspension or Revocation. The Authority Having Jurisdiction may, in writing, suspend or revoke a permit issued under the provisions of this code whenever the permit is issued in error or on the basis of incorrect information supplied or in violation of other ordinance or regulation of the jurisdiction.

103.4 Fees.

I

103.4.1 Permit Fees. Fees shall be assessed in accordance with the provisions of this section and as set forth in the fee schedule Table 1-1. The fees are to be determined and adopted by this jurisdiction.

103.4.2 Plan Review Fees. When a plan or other data is required to be submitted by Section 103.2.2, a plan review fee shall be paid at the time of submitting plans and specifications for review.

The plan review fees for plumbing work shall be determined and adopted by this jurisdiction.

The plan review fees specified in this subsection are separate fees from the permit fees specified in this section and are in addition to the permit fees.

When plans are incomplete or changed so as to require additional review, a fee shall be charged at the rate shown in Table 1-1.

103.4.3 Expiration of Plan Review.

Applications for which no permit is issued within one hundred eighty (180) days following the date of application shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the Authority Having Jurisdiction. The Authority Having Jurisdiction may exceed the time for action by the applicant for a period not to exceed one hundred eighty (180) days upon request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. No application shall be extended more than once. In order to renew action on an application after expiration, the applicant shall resubmit plans and pay a new plan review fee.

103.4.4 Investigation Fees: Work Without a Permit.

103.4.4.1 Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work.

103.4.4.2 An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The investigation fee shall be equal to the amount of the permit fee that would be required by this code if a permit were to be issued. The payment of such investigation fee shall not exempt any person from compliance with all other provisions of this code, nor from any penalty prescribed by law.

103.4.5 Fee Refunds.

103.4.5.1 The Authority Having Jurisdiction may authorize the refunding of any fee paid hereunder which was erroneously paid or collected.

103.4.5.2 The Authority Having Jurisdiction may authorize the refunding of not more than a percentage, as determined by this jurisdiction when no work has been done under a permit issued in accordance with this code.

103.4.5.3 The Authority Having Jurisdiction shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than one hundred eighty (180) days after the date of fee payment.

UNIFORM PLUMBING CODE

103.5

ı

103.5 Inspections.

103.5.1 General. All plumbing systems for which a permit is required by this code shall be inspected by the Authority Having Jurisdiction. No portion of any plumbing system shall be concealed until inspected and approved. Neither the Authority Having Jurisdiction nor the jurisdiction shall be liable for expense entailed in the removal or replacement of material required to permit inspection. When the installation of a plumbing system is complete, an additional and final inspection shall be made. Plumbing systems regulated by this code shall not be connected to the water, energy fuel supply, or the sewer system until authorized by the Authority Having Jurisdiction.

103.5.1.1 Inspection. No water supply system or portion thereof shall be covered or concealed until it first has been tested, inspected, and approved.

103.5.1.2 Scope. All new plumbing work and such portions of existing systems as may be affected by new work, or any changes, shall be inspected by the Authority Having Jurisdiction to insure compliance with all the requirements of this code and to assure that the installation and construction of the plumbing system is in accordance with approved plans.

103.5.1.3 Covering or Using. No plumbing or drainage system, building sewer, private sewer disposal system, or part thereof, shall be covered, concealed, or put into use until it has been tested, inspected, and accepted as prescribed in this code.

103.5.1.4 Uncovering. If any drainage or plumbing system, building sewer, private sewage disposal system, or part thereof, which is installed, altered, or repaired, is covered or concealed before being inspected, tested, and approved as prescribed in this code, it shall be uncovered for inspection after notice to uncover the work has been issued to the responsible person by the Authority Having Jurisdiction.

103.5.2 Operation of Plumbing Equipment. The requirements of this section shall not be considered to prohibit the operation of any plumbing installed to replace existing

equipment or fixtures serving an occupied portion of the building in the event a request for inspection of such equipment or fixture has been filed with the Authority Having Jurisdiction not more than seventy-two (72) hours after such replacement work is completed, and before any portion of such plumbing system is concealed by any permanent portion of the building.

103.5.3 Testing of Systems. All plumbing systems shall be tested and approved as required by this code or the Authority Having Jurisdiction.

103.5.3.1 Test. Tests shall be conducted in the presence of the Authority Having Jurisdiction or the Authority Having Jurisdiction's duly appointed representative.

103.5.3.2 Test Waived. No test or inspection shall be required where a plumbing system, or part thereof, is set up for exhibition purposes and has no connection with a water or drainage system.

103.5.3.3 Exceptions. In cases where it would be impractical to provide the required water or air tests, or for minor installations and repairs, the Authority Having Jurisdiction may make such inspection as deemed advisable in order to be assured that the work has been performed in accordance with the intent of this code.

103.5.3.4 Protectively Coated Pipe. Protectively coated pipe shall be inspected and tested, and any visible void, damage, or imperfection to the pipe coating shall be repaired to comply with Section 313.0 (see IAPMO IS-13, listed in Appendix I).

103.5.3.5 Tightness. Joints and connections in the plumbing system shall be gastight and watertight for the pressures required by test.

103.5.4 Inspection Requests. It shall be the duty of the person doing the work authorized by a permit to notify the Authority Having Jurisdiction that such work is ready for inspection. The Authority Having Jurisdiction may require that every request for inspection be filed at least one working day before such inspection is desired. Such request may be in writing or by telephone, at the option of the Authority Having Jurisdiction.

ADMINISTRATION 103.5 - 103.6

It shall be the duty of the person requesting inspections required by this code to provide access to and means for proper inspection of such work.

103.5.4.1 Advance Notice. It shall be the duty of the person doing the work authorized by the permit to notify the Authority Having Jurisdiction, orally or in writing, that said work is ready for inspection. Such notification shall be given not less than twenty-four (24) hours before the work is to be inspected.

I

I

I

I

103.5.4.2 Responsibility. It shall be the duty of the holder of a permit to make sure that the work will stand the test prescribed before giving the notification.

The equipment, material, and labor necessary for inspection or tests shall be furnished by the person to whom the permit is issued or by whom inspection is requested.

103.5.5 Other Inspections. In addition to the inspections required by this code, the Authority Having Jurisdiction may require other inspections of any plumbing work to ascertain compliance with the provisions of this code and other laws which are enforced by the Authority Having Jurisdiction.

103.5.5.1 Defective Systems. An air test shall be used in testing the sanitary condition of the drainage or plumbing system of any building premises when there is reason to believe that it has become defective. In buildings or premises condemned by the proper Authority Having Jurisdiction because of an insanitary condition of the plumbing system or part thereof, the alterations in such system shall conform to the requirements of this code.

103.5.5.2 Moved Structures. All parts of the plumbing systems of any building or part thereof that is moved from one foundation to another, or from one location to another, shall be completely tested as prescribed elsewhere in this section for new work, except that walls or floors need not be removed during such test when other equivalent means of inspection acceptable to the Authority Having Jurisdiction are provided.

103.5.6 Reinspections. A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when required corrections have not been made.

This provision is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for inspection or reinspection.

Reinspection fees may be assessed when the approved plans are not readily available to the inspector, for failure to provide access on the date for which the inspection is requested, or for deviating from plans requiring the approval of the Authority Having Jurisdiction.

To obtain reinspection, the applicant shall file an application therefor in writing upon a form furnished for that purpose and pay the reinspection fee in accordance with Table 1-1.

In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

103.5.6.1 Corrections. Notices of correction or violation shall be written by the Authority Having Jurisdiction and may be posted at the site of the work or mailed or delivered to the permittee or his authorized representative. Refusal, failure, or neglect to comply with any such notice or order within ten (10) days of receipt thereof, shall be considered a violation of this code and shall be subject to the penalties set forth elsewhere in this code for violations.

103.5.6.2 Retesting. If the Authority Having Jurisdiction finds that the work will not pass the test, necessary corrections shall be made and the work shall then be resubmitted for test or inspection.

103.5.6.3 Approval. Upon the satisfactory completion and final test of the plumbing system, a certificate of approval shall be issued by the Authority Having Jurisdiction to the permittee on demand.

103.6 Connection Approval.

UNIFORM PLUMBING CODE

103.6 - 103.8

103.6.1 Energy Connections. No person shall make connections from a source of energy or fuel to any plumbing system or equipment regulated by this code and for which a permit is required until approved by the Authority Having Jurisdiction.

103.6.2 Other Connections. No person shall make connection from any water-supply line not shall connect to any sewer system regulated by this code and for which a permit is required until approved by the Authority Having Jurisdiction.

103.6.3 Temporary Connections. The Authority Having Jurisdiction may authorize temporary connection of the plumbing equipment to the source of energy or fuel for the purpose of testing the equipment.

103.7 Unconstitutionally.

I

103.7.1 If any section, subsection, sentence, clause, or phrase of this code is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code. The Legistative Body hereby declares that it would have passed this code, and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that many one or more sections, subsections, sentences, clauses, and phrase to declared unconstitutional.

103.8 Validity

103.8.1 If any provision of this code, or the application thereof to any person or circumstance, is held invalid, the remainder of the code, or the application of such provision to other persons or circumstances, shall not be affected thereby.

103.8.2 Wherever in this code reference is made to an appendix, the provisions in the appendix shall not apply unless specifically adopted.

ADMINISTRATION Table 1-1

TABLE 1-1

Plumbing Permit Fees

Per	mit Issuance	
1.	For issuing each permit	*
2.	For issuing each supplemental permit	*
Uni	t Fee Schedule (in addition to items 1 and 2 above)	
1.	For each plumbing fixture on one trap or a set of fixtures on one trap (including water, drainage piping and backflow protection therefor)	*
2.	For each building sewer and each trailer park sewer	*
3.	Rainwater systems – per drain (inside building)	*
4.	For each cesspool (where permitted)	*
5.	For each private sewage disposal system	*
6.	For each water heater and/or vent	*
7.	For each gas-piping system of one to five outlets	*
8.	For each additional gas piping system outlet, per outlet	*
9.	For each industrial waste pretreatment interceptor including its trap and vent, except kitchen-type grease interceptors functioning as fixture traps	*
10.	For each installation, alteration or repair of water piping and/or water treating equipment, each	*
11.	For each repair or alteration of drainage or vent piping, each fixture	*
12.	For each lawn sprinkler system on any one meter including backflow protection devices therefor	*
13.	For atmospheric-type vacuum breakers not included in item 12:	
	1 to 5	
	over 5, each	*
14.	For each backflow protective device other than atmospheric type vacuum breakers: 2 inch (51 mm) diameter and smaller	.*
	over 2 inch (51 mm) diameter	
	For each graywater system	
	For initial installation and testing for a reclaimed water system	
	For each annual cross-connection testing of a reclaimed water system (excluding initial test)	
	For each medical gas piping system serving one to five inlet(s)/outlet(s) for a specific gas	
19.	For each additional medical gas inlet(s)/outlet(s)	· *
Oth	ner Inspections and Fees	
1.	Inspections outside of normal business hours	
2.	Reinspection fee	
3.	Inspections for which no fee is specifically indicated	*
4.	Additional plan review required by changes, additions or revisions to approved plans (minimum charge – one-half hour)	*

^{*} Jurisdiction will indicate their fees here.

This is a preview of "IAPMO/ANSI UPC 1-200...". Click here to purchase the full version from the ANSI store.

UNIFORM PLUMBING CODE

CHAPTER 2

DEFINITIONS

201.0 General.

For the purpose of this code, the following terms have the meanings indicated in this chapter.

No attempt is made to define ordinary words which are used in accordance with their established dictionary meanings, except where a word has been used loosely and it is necessary to define its meaning as used in this code to avoid misunderstanding.

The definitions of terms are arranged alphabetically according to the first word of the term.

202.0 Definition of Terms.

203.0 - A -

ABS – Acrylonitrile-butadiene-styrene.

Accessible – When applied to a fixture, connection, appliance, or equipment, "accessible" means having access thereto, but which first may require the removal of an access panel, door, or similar obstruction. "Readily accessible" means direct access without the necessity of removing any panel, door, or similar obstruction.

Airbreak – A physical separation which may be a low inlet into the indirect waste receptor from the fixture, appliance, or device indirectly connected.

Air Chamber – A pressure surge-absorbing device operating through the compressibility of air.

Airgap, Drainage – The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe, plumbing fixture, appliance, or appurtenance conveying waste to the flood level rim of the receptor.

Airgap, Water Distribution – The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet conveying potable water to the flood level rim of any tank, vat, or fixture.

Anchors – See Supports.

Approved – Acceptable to the Authority Having Jurisdiction.

Approved Testing Agency – An organization primarily established for purposes of testing to approved standards and approved by the Authority Having Jurisdiction.

Area Drain – A receptor designed to collect surface or storm water from an open area.

Aspirator – A fitting or device supplied with water

or other fluid under positive pressure which passes through an integral orifice or constriction, causing a vacuum.

Authority Having Jurisdiction – The organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, installations, or procedures. The Authority Having Jurisdiction shall be a federal, state, local, or other regional department or an individual such as a plumbing official; mechanical official; labor department official, health department official, building official or others having statutory authority. In the absence of a statutory authority, the Authority Having Jurisdiction may be some other responsible party. This definition shall include the Authority Having Jurisdiction's duly authorized representative.

204.0 – B –

Backflow – The flow of water or other liquids, mixtures, or substances into the distributing pipes of a potable supply of water from any sources other than its intended source. See Back-Siphonage, Back-Pressure Backflow.

Backflow Connection – Any arrangement whereby backflow can occur.

Back-Pressure Backflow – Backflow due to an increased pressure above the supply pressure, which may be due to pumps, boilers, gravity, or other sources of pressure.

Backflow Preventer – A device or means to prevent backflow into the potable water system.

Back-Siphonage – The flowing back of used, contaminated, or polluted water from a plumbing fixture or vessel into a water supply pipe due to a pressure less than atmospheric in such pipe. See Backflow.

Backwater Valve – A device installed in a drainage system to prevent reverse flow.

Bathroom – A room equipped with a shower or bathtub.

Battery of fixtures – Any group of two (2) or more similar, adjacent fixtures which discharge into a common horizontal waste or soil branch.

Boiler Blowoff – An outlet on a boiler to permit emptying or discharge of sediment.

Branch – Any part of the piping system other than a main, riser, or stack.