

6/19 Photocopies to

VI Pipe Industry Task Force

for your info.

Roy

IFT
TECHNICAL
SERVICES
INC.

RECEIVED

JUN 23 1989

Sherry M. Carr

June 12, 1989

MSD 311-1-1000

Mr. Roy Gottesman
The Vinyl Institute
155 Route 46 West
Wayne, N.J. 07470

Re: Vinyl Institute Codes
Subject: IAPMO Code Development Meetings May 1-4, 1989
Reno, Nevada

Dear Roy:

Several codes and standards changes which may impact PVC resin usage were considered in Reno by IAPMO. Comments on specific items of interest follow. Text of several of the changes are also attached.

1. Changes 1 thru 4. Adopted. Continue combustible construction restrictions on use of plastic pipe. Will continue the restrictive language.
2. Changes 23 and 24. Adopted. Will require listing of PVC pipe in fire resistive assemblies for that purpose. If such listings (beyond current ASTM/NSF listings) are required, a substantial burden will be added for the pipe producers to operate in this construction industry segment which should be a growth area.
3. Changes 34, 35, 36 and 37. Defeated. Proposed by PPFA to remove the combustible construction restrictions and substitute other language to allow the use of plastic pipe in all fire rated buildings.

CTL027896

4. Change 52A. Rejected. Proposed by Bob Wilging of BF Goodrich. Related to joining of plastic pipe to other systems. While it is largely editorial it was rejected by the committee.
5. Changes 62-127. Rejected. Re-introduction of polybutylene supply piping in the Uniform Plumbing Code.
6. Changes 153 and 154. Rejected. Similar to other PPFA submissions to remove combustible construction restrictions.
7. Item IV-2-A (2). Approved as revised. Item provides an installation standard for PVC cold water supply and yard piping.

Plastic Pipe Ad Hoc Committee minutes were approved.

The Committee considered adoption of ASTM F949-86A. (PVC corrugated sewer pipe standard). Refer to Committee to develop an installation standard.

Standards Item 4-3-A (1). Refer the PS 8-77 and CSA items to an Ad Hoc Committee. ANSI standard approved. Motion to adopt PS 8-77 and adopt the CSA standard. These would include PVC drain, waste and vent pipe and pipe fittings along with ANSI A112.14.1.

An item calling for adoption of the ASTM D4551 standard (standard related to PVC flexible concealed water containment membranes) was approved.

Item V-2-(J). Referred to Ad Hoc Committee. Adoption of NSF Standard 14. Relates to polybutylene water distribution systems.

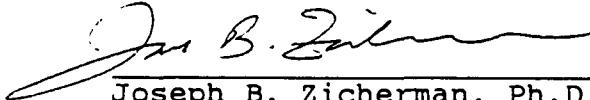
Item V-2-(M). Approved. Motion to adopt ASTM F891. Standard for co-extruded PVC plastic pipe with cellular core.

Group of items including ASTM D1785, 2467, 2607, 2661, 2665, 2672, 2846 and F439 and F628 were considered. Approved. All were PPFA sponsored changes to include updates of ASTM Standard.

Item V-5-(E). Rejected. Revision to IAPMO installation standard 9-87-PVC-DWV pipe fittings. Submitted by the City of Los Angeles.

Change V-5-(F). Adopted. Also deals with Installation Standard 987 (installation of PVC, DWV and fittings). Also deals with expansion joints.

Seven changes related to Installation Standard 20-85. Four items approved, one withdrawn and two approved as amended. Deal with the installation of CPVC for hot and cold distribution systems. Series of six items submitted by Bob Wilging which were all approved and largely editorial in nature.


Joseph B. Zicherman, Ph.D.

JZ/cg

cc: Al Reventas

A:88-76-1.jun

CTL027898



INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS

INTERNATIONAL ASSOCIATION

FEB 24 1989

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC-USPC-USEC

104(f) See also sections 401(a)(2) and 503(a) 2 and appendix D1(a)

Note: All Code Sections that may be affected by this change must be listed.

Name Ron Pecci Class of Membership A
Chairman, Ad-Hoc Committee
Jurisdiction/Company You Represent on Combustible Construction Date February 21, 1988
Mailing Address 1231 I Street, Room 200
City Sacramento State California Zip 95814

THE FOLLOWING AMENDMENT IS SUBMITTED:

Section 104

(f) Combustible Construction - For the purpose of this code, combustible construction is a structure in which any member of its structural framework will ignite and burn at a temperature of 1392 F or less.

(Re-letter remaining sections)

REASON FOR CODE REVISION:

The general membership referred this item to the ad-hoc committee on combustible construction during the 1987 conference held in Salt Lake City, Utah, and again at the 1988 conference held in Seattle, Washington. The committee recommends approval as submitted.

CTL027899

Use additional sheets if necessary

Do not write below this line

CODE CHANGE

COMMITTEE'S RECOMMENDATION

NO.



2

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS OF THE UPC—USPC—USEC

Section 104 (f) New Section

Note: All Code Sections that may be affected by this change must be listed.

Name John Meacham Class of Membership IAPMO Staff

Jurisdiction/Company You Represent Combustible Construction Comm. Date 3/1/89

Mailing Address 20001 Walnut Drive South

City Walnut State CA Zip 91789

THE FOLLOWING AMENDMENT IS SUBMITTED:

See Attached

REASON FOR CODE REVISION:

CTL027900

Use additional sheets if necessary

CODE CHANGE

COMMITTEE'S RECOMMENDATION

No.

SECTION 104(f)

(f) Combustible Construction - For the purpose of this code, combustible construction is a structure in which any member or its structural framework will ignite and burn at a temperature of 1392 degrees F (755.5 degrees C) or less.

This section is the same as submitted in 1986 and referred to the Combustible Construction Committee.

The Committee voted to leave the submittal unchanged.

CTL027901



INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

23

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS OF THE UPC—USPC—USEC

INTERNATIONAL ASSOCIATION

322

FEB 24 1989

Note: All Code Sections that may be affected by this change must be submitted to the PLUMBING & MECHANICAL OFFICIALS

Name Ron Pecci Class of Membership A
Jurisdiction/Company You Represent Chairman, Ad-Hoc Committee on Combustible Construction Date February 21, 1989
Mailing Address 1231 - I Street, Room 200
City Sacramento State California Zip 95814

THE FOLLOWING AMENDMENT IS SUBMITTED:

Section 322 - Fire Resistive Construction

Plumbing installed within or penetrating fire resistive assemblies shall have been tested against nationally recognized standards and listed suitable for the purpose.

(Re-number existing 322 to 323)

REASON FOR CODE REVISION:

The general membership referred this item to the ad-hoc committee on combustible construction during the 1987 conference held in Salt Lake City, Utah, and again at the 1988 conference held in Seattle, Washington. The committee recommends approval.

CTL027902

Use additional sheets if necessary

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CODE CHANGE

COMMITTEE'S RECOMMENDATION

No.



INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS

25

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

Section 322 New Section

Note: All Code Sections that may be affected by this change must be listed.

Name John Meacham Class of Membership IAPMO Staff

Jurisdiction/Company You Represent Combustible Construction Comm. Date 3/1/89

Mailing Address 20001 Walnut Drive South

City Walnut State CA Zip 91789

THE FOLLOWING AMENDMENT IS SUBMITTED:

See Attached

REASON FOR CODE REVISION:

CTL027903

Use additional sheets if necessary

Do not write below this line

CODE CHANGE

COMMITTEE'S RECOMMENDATION

No.

24
Section 322

Plumbing installed within or penetrating fire resistive assemblies shall have been tested against nationally recognize standards and listed suitable for the purpose.

This proposal is the same as submitted in 1986 with the exception of deleting the word "Combustible" at the start of the paragraph. The previous submittal read "Combustible plumbing installed within"

This code change is the result of the work of the Combustible Construction Committee.

Renumber the rest of the Chapter accordingly.

CTL027904



INTERNATIONAL ASSOCIATION OF PLUMBING
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INTERNATIONAL ASSOCIATION

FEB 28 1989

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

503 (a) 2 See also Section 401 (a) 2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1

~~XXXXXX~~ Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89

Mailing Address 800 Roosevelt Road, Building C, Suite 20

City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

Chapter 5, Section 503-Materials

(a) Vent piping shall be cast iron, galvanized steel, galvanized wrought iron, lead, copper, brass, Schedule 40 ABS DWV, Schedule 40 PVC DWV, extra-strength vitrified clay pipe, or other approved materials having smooth uniform bore except that:

- (1) No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least six (6) inches (152.4 mm) above ground.

~~(2) -ABS-and-PVC-DWV-piping-installations-shall-be-limited to-these-structures-where-combustible-construction-is allowed-~~

See attached sheet for continuation
of "The Following Amendment Is Submitted"

REASON FOR CODE REVISION:

1. Protection of structures is addressed in the Building Codes.
2. This protection is for all consequences. Earth quake, snow loading, rain loading, wind resistance, and noncombustible or combustible construction.
3. ICBO adopted additional language, last year (1988), to chapters 1, 7, 9, 17, and 43 of the UBC which gives further structural protection, with regards to penetrations, for all piping materials.

See attached sheet for continuation
Use additional sheets if necessary of "Reason For Code Revision"

CTL027905

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CODE CHANGE

COMMITTEE'S RECOMMENDATION

NO.



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PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

503 (a) 2 See also Section 401 (a) 2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1
Jurisdiction/Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89
Mailing Address 800 Roosevelt Road, Building C, Suite 20
City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

Continued from preceding page

(2) Where piping is installed and penetrates required fire resistive construction the fire resistive integrity of the construction shall be as required by the Administrative Authority, or when not established by the building code, by qualified testing methods approved by the Administrative Authority. Approval shall be obtained prior to installing any such piping.

Remainder of section is unchanged.

REASON FOR CODE REVISION:

4. All major Model Building Codes contain similar language for protection of structures.
5. There is no reason for discriminatory restrictive language in the UPC, seeing that the structure is protected by the Building Codes.

CTL027906

Use additional sheets if necessary

Do not write below this line

CODE CHANGE

COMMITTEE'S RECOMMENDATION

NO.



INTERNATIONAL ASSOCIATION OF PLUMBING
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INTERNATIONAL ASSOCIATION

FEB 28 1989

PLUMBING & MECHANICAL OFFICIALS

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC-USPC-USEC

503 (a) 2 See also Section 401 (a) 2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1

~~XXXXXX~~ Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89

Mailing Address 800 Roosevelt Road, Building C, Suite 20

City Glen Ellyn State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

Chapter 5, Section 503-Materials

(a) Vent piping shall be cast iron, galvanized steel, galvanized wrought iron, lead, copper, brass, Schedule 40 ABS DWV, Schedule 40 PVC DWV, extra-strength vitrified clay pipe, or other approved materials having smooth uniform bore except that:

- (1) No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least six (6) inches (152.4 mm) above ground.

~~(2) ABS and PVC DWV piping installations shall be limited to those structures where combustible construction is allowed.~~

Remainder of section is unchanged

REASON FOR CODE REVISION:

1. Protection of structures is addressed in the Building Codes.
2. This protection is for all consequences. Earth quake, snow loading, rain loading, wind resistance, and noncombustible or combustible construction.
3. ICBO adopted additional language, last year (1988), to chapters 1, 7, 9, 17, and 43 of the UBC which gives further structural protection, with regards to penetrations, for all piping materials.

See attached sheet for continuation

CTL027907

Use additional sheets if necessary of "Reason For Code Revision"

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CODE CHANGE

COMMITTEE'S RECOMMENDATION

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INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS OF THE UPC—USPC—USEC

503 (a) 2 See also Section 401 (a)2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1

Jurisdiction/Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89

Mailing Address 800 Roosevelt Road, Building C, Suite 20

City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

REASON FOR CODE REVISION:

4. All major Model Building Codes contain similar language for protection of structures.
5. There is no reason for discriminatory restrictive language in the UPC, seeing that the structure is protected by the Building Codes.

CTL027908

Use additional sheets if necessary

Do not write below this

CODE CHANGE

COMMITTEE'S RECOMMENDATION

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INTERNATIONAL ASSOCIATION OF PLUMBING
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INTERNATIONAL ASSOCIATION

FEB 28 1989

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

401 (a) 2 See also Section 503 (a) 2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1
~~JANIS KXW~~ Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89
Mailing Address 800 Roosevelt Road, Building C, Suite 20
City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

Chapter 4, Section 401-Materials

(a) Drainage piping shall be cast iron, galvanized steel, galvanized wrought iron, lead, copper, brass, Schedule 40 AES DWV, Schedule 40 PVC DWV, extra-strength vitrified clay pipe, or other approved materials having smooth and uniform bore except that:

(1) No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least six (6) inches (152.4 mm) above ground.

~~(2) ABS and PVC DWV piping installations shall be limited to these structures where combustible construction is allowed.~~

See attached sheet for continuation
of "The Following Amendment Is Submitted"

REASON FOR CODE REVISION:

1. Protection of structures is addressed in the Building Codes.
2. This protection is for all consequences. Earth quake, snow loading, rain loading, wind resistance, and noncombustible or combustible construction.
3. ICBO adopted additional language, last year (1988), to chapters 1,7,9,17, and 43 of the UBC which gives further structural protection, with regards to penetrations, for all piping materials.

See attached sheet for continuation
Use additional sheets if necessary of "Reason For Code Revision"

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COMMITTEE'S RECOMMENDATION

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INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

401 (a) 2 See also Section 503 (a)2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1

Jurisdiction/Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89

Mailing Address 800 Roosevelt Road, Building C, Suite 20

City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

Continued from preceding page

(2) Where piping is installed and penetrates required fire resistive construction the fire resistive integrity of the construction shall be as required by the Administrative Authority, or when not established by the building code, by qualified testing methods approved by the Administrative Authority. Approval shall be obtained prior to installing any such piping.

Remainder of section is unchanged.

REASON FOR CODE REVISION:

4. All major Model Building Codes contain similar language for protection of structures.
5. There is no reason for discriminatory restrictive language in the UPC, seeing that the structure is protected by the Building Codes.

CTL027910

Use additional sheets if necessary

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INTERNATIONAL ASSOCIATION OF PLUMBING
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FEB 28 1989

PLUMBING & MECHANICAL OFFICIAL

PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

401 (a) 2 See also Section 503 (a) 2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1

~~XXXXXX~~ Company You Represent Plastic Pipe & Fittings Asso. Date 2/23/89

Mailing Address 800 Roosevelt Road, Building C, Suite 20

City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

Chapter 4, Section 401-Materials

(a) Drainage piping shall be cast iron, galvanized steel, galvanized wrought iron, lead, copper, brass, Schedule 40 AES DWV, Schedule 40 PVC DWV, extra-strength vitrified clay pipe, or other approved materials having smooth and uniform bore except that:

(1) No galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least six (6) inches (152.4 mm) above ground.

~~(2) ABS and PVC DWV piping installations shall be limited to these structures where combustible construction is allowed.~~

Remainder of section is unchanged

REASON FOR CODE REVISION:

1. Protection of structures is addressed in the Building Codes.
2. This protection is for all consequences. Earth quake, snow loading, rain loading, wind resistance, and noncombustible or combustible construction.
3. ICBO adopted additional language, last year (1988), to chapters 1,7,9,17, and 43 of the UBC which gives further structural protection, with regards to penetrations, for all piping materials.

See attached sheet for continuation

CTL027911

Use additional sheets if necessary of "Reason For Code Revision"

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CODE CHANGE

COMMITTEE'S RECOMMENDATION

NO.



INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS

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PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC

401 (a) 2 See also Section 503 (a)2 and Appendix D1 (a)

Note: All Code Sections that may be affected by this change must be listed.

Name Paul Shepard Class of Membership D-1
Jurisdiction/Company You Represent Plastic Pipe & Fittings Assn. Date 2/23/89
Mailing Address 800 Roosevelt Road, Building C, Suite 20
City Glen Ellyn, State Illinois Zip 60137

THE FOLLOWING AMENDMENT IS SUBMITTED:

REASON FOR CODE REVISION:

4. All ~~major~~ Model Building Codes contain similar language for protection of structures.
5. There is no reason for discriminatory restrictive language in the UPC, seeing that the structure is protected by the Building Codes.

CTL027912

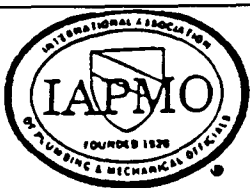
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COMMITTEE'S RECOMMENDATION

NO.



**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

247
INTERNATIONAL ASSOCIATION

FEB 24 1989

**PROPOSED CODE CHANGE TO A SECTION AND/OR SECTIONS
OF THE UPC—USPC—USEC**

Uniform Plumbing Code Section 804 (f)
(Also IS 20-85 Section 804.1)

Note: All Code Sections that may be affected by this change must be listed.

Name Robert C. Wilging Class of Membership D
Jurisdiction/Company You Represent BFGoodrich Co. Date 2/20/89
Mailing Address 6100 Oak Tree Blvd.
City Cleveland State Ohio Zip 44131

THE FOLLOWING AMENDMENT IS SUBMITTED:

Section 804—Special Joints

(f) Plastic Pipe to Other Materials—When connecting plastic pipe to other types of piping use only approved types of fittings and adapters ~~designed~~ suitable for the specific transition intended.

REASON FOR CODE REVISION:

The most widely used transition fittings are male threaded adapters. I believe every manufacturer of plastics fittings makes them and has them listed in the IAPMO Directory of Research Recommendations. While they are not unique in design since they meet standard pipe thread tolerances, they have certainly been proven to be suitable for connecting plastic piping to other materials.

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Use additional sheets if necessary

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COMMITTEE'S RECOMMENDATION

NO.



INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

PROPOSED STANDARD CHANGE(S) **FE OT WOH**

Standard Number & Title	IAPMO IS 9-87
Section Number(s)	802.3

Note: All Sections that may be affected by this change must be listed.

Name Phil Beauford Class of Membership B
Jurisdiction/Company You Represent City Of Los Angeles Date 2-27-89
Mailing Address 1143 Knollwood Drive
City Newbury Park State CA Zip 91320

THE FOLLOWING AMENDMENT IS SUBMITTED:

802.3 Threaded Joints

Listed adapter fittings shall be used for the transition to threaded connections. No threaded ~~female~~ PVC fitting(s) or joint(s) shall be located in a non-accessible location. The joint between the PVC pipe and adapter fitting shall be of the solvent cement type.

Only thread tape or thread lubricant, specifically intended for use with plastics, shall be used. Conventional pipe thread compounds, putty, linseed oil base products and unknown mixtures shall not be used. Pipe and fittings which have come in contact with the above non-approved mixtures shall be removed and replaced with new materials.

Where a threaded joint is made, obtain tightness by maximum hand tightening plus additional tightening with a strap wrench not to exceed one full turn.

REASON FOR REVISION:

To provide access for both male and female threaded fittings and joints.

INTERNATIONAL ASSOCIATION

MAR 1 1989

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PLUMBING & MECHANICAL OFFICIALS

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COMMITTEE'S RECOMMENDATION

No.



V-5-17

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

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PROPOSED STANDARD CHANGE(S)

JAN 25 1989

IAPMO IS 9-87

PLUMBING & MECHANICAL OFFICIALS

Standard Number & Title	Installation Standard for PVC Building Drain, Waste and Vent Pipe and Fittings
Section Number(s)	806.1 Prohibited Fittings and Connections

Note: All Sections that may be affected by this change must be listed.

Name Fady Mattar, P.E. Class of Membership A

Jurisdiction/Company You Represent Los Angeles County Date January 5, 1989

Mailing Address 900 So. Fremont Avenue

City Alhambra State CA Zip 91803-1331

THE FOLLOWING AMENDMENT IS SUBMITTED:

Add new section:

806.1 - Prohibited Fittings and Connections

(a) Drainage System--Any fitting or connection which has an enlargement, chamber or recess with a ledge, shoulder or reduction of pipe area, that offers an obstruction to flow through the drain is prohibited.

(b) No fitting or connection that offers abnormal obstruction to flow shall be used. The enlargement of a three (3) inch (76.2mm) closet bend or stub to four (4) inches (101.6mm) shall not be considered an obstruction.

REASON FOR REVISION:

1. To reinforce the installation standard with good code language.
2. Similar language is proposed in the IS 6 Installation Standard for Hubless Cast Iron Sanitary and Rainwater Systems.
3. To develop uniformity with the installation standards for the various DWV piping materials.

CTL027915

Use additional sheets if necessary

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COMMITTEE'S RECOMMENDATION

NO.