National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 15

Proponent: ____Jeff Matson_____ Date: 11/05/2024

Representing: __Viega LLC_____

Mailing Address: __ 585 Interlocken Blvd _____

City: __Broomfield_____ State: __CO_____ Zip: __80021____

Phone: _978-456-3049_____ E-mail jeff.matson@viega.us _____

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

_____ Amend section with this editorial change

___X_ Change subsection to read as follows

_____ Delete subsection and substitute as follows

_____ Add new subsection to read as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: ____Section 4.3.7 _____

4.3.7 Copper Tube to Threaded Pipe Joints

a. Joints from copper tube to threaded pipe shall be made as follows:

1. DWV Systems: with copper or brass threaded adapters.
2. Water Systems and Galvanized Steel Pipe: cast brass threaded adapters, bronze press-connect adapters, dielectric pipe unions conforming to ASSE 1079, dielectric flanges or dielectric waterway fittings that comply with IAPMO PS 66.
   EXCEPTION: Dielectric pipe unions shall not be installed on connections to water heaters when not recommended by the water heater manufacturer.
3. To any Non-Ferrous Piping: copper or brass threaded adapter.

b. The adapter fitting shall be connected to the tubing by approved methods, and the threaded section assembled with tapered national pipe threads (NPT). Bronze press-connect adapters shall be connected to plain end ~~galvanized~~ pipe only.

Basis/Reason for Change:

Press-connect adapters in bronze are now available which simplify transitions from galvanized steel pipe to copper alloy fittings in water systems, for example in repair work. These provide an equally secure (or better) connection between the tubing and pipe while providing improved corrosion resistance

compared to cast brass threaded adapters. This change improves the Code by providing additional connection options for plumbers. Documentation has been shared with the Committee showing such a fitting available from one press-connect manufacturer, but nothing prevents any manufacturer of press fittings from producing a design which also functions similarly (this is not proprietary).

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

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National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 29

Proponent: ___ Norm Dobo _____ Date: 2/26/25

Representing: ___ Myself _____

Mailing Address: __105 Allen Street _____

City: __ Hamilton _____ State: _ NJ _____ Zip: _08620_____

Phone: __606-610-3243_____ E-mail __ nola10044@aol.com_____

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

__**X**__ Change subsection to read as follows

_____ Add new subsection to read as follows

_____ Amend section with this editorial change

_____ Delete subsection and substitute as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: ___9.4.1a Treatment of Corrosive Wastes __

a. Corrosive liquids, spent acids, or other harmful chemicals, **including condensate as a byproduct of combustion,** ~~that may damage a drain, sewer, or sanitary drain pipe; create noxious or toxic fumes, or interfere with sewage treatment processes shall not be discharged into the plumbing system without being~~ **shall be** thoroughly neutralized or treated by passing through a properly constructed and approved neutralizing device. Such device shall be provided automatically with a sufficient supply of neutralizing medium, so as to make its contents non-injurious before discharging. ~~into the drainage system.~~ The nature of the corrosive or harmful waste and proposed method of its treatment shall be submitted to ~~and approved~~ the Authority Having Jurisdiction prior to installation.

a. Corrosive liquids, spent acids, or other harmful chemicals~~, including condensate as a byproduct of combustion,~~ ~~that may damage a drain, sewer, or sanitary drain pipe; create noxious or toxic fumes, or interfere with sewage treatment processes shall not be discharged into the plumbing system without being~~ shall be thoroughly neutralized or treated by passing through a properly constructed and approved neutralizing device. Such device shall be provided automatically with a sufficient supply of neutralizing medium, so as to make its contents non-injurious before discharging. ~~into the drainage system.~~ The ~~nature of the~~ corrosive or harmful waste and the proposed method of its treatment shall be ~~submitted to and approved~~ approved by the Authority Having Jurisdiction prior to installation. Condensate as a

by product of combustion shall be thoroughly neutralized or treated by an approved neutralizing device.

Basis/Reason for Change:

Corrosive waste is an environmental issue and causes harm to materials, the environment and surrounding area.

___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

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National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 37

Proponent: ___ Norm Dobo _____ Date: 2/26/25

Representing: ___ Myself _____

Mailing Address: __105 Allen Street _____

City: __ Hamilton _____ State: _ NJ _____ Zip: _08620_____

Phone: __606-610-3243_____ E-mail __ nola10044@aol.com_____

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

__**X**__ Change subsection to read as follows

_____ Add new subsection to read as follows

_____ Amend section with this editorial change

_____ Delete subsection and substitute as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: _10.15.6 e. Mixed Water Temperature Control

e. Showers and bath/shower combinations: The water discharged from shower heads, wall or ceiling mounted hand-held showers, body sprays, and tub spouts shall be controlled to a maximum water temperature no higher than 106ºF to 120ºF by a type P, Type T, or Type P/T automatic compensating valve complying with ASSE 1016/ASME A112.1016/CSA Bl25.16. The upper temperature of 106ºF to 120ºF shall be permitted to be controlled by a water heater complying with ASSE 1082 or ASSE 1084.

e. Showers and bath/shower combinations: The water discharged from shower heads, wall or ceiling mounted hand-held showers, body sprays, and tub spouts shall be controlled to a maximum water temperature no higher than ~~106ºF to~~120ºF by a type P, Type T, or Type P/T automatic compensating valve complying with ASSE 1016/ASME A112.1016/CSA Bl25.16. The upper temperature of ~~106ºF to~~ 120ºF shall be permitted to be controlled by a water heater complying with ASSE 1082 or ASSE 1084.

Basis/Reason for Change:
To add a clearer definition of hot water required to these fixtures.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

1) Proposed Code Changes gaining acceptance will appear in the 2027 NSPC. *Rev.2.1.24*
2) Proponent must submit, upon committee request, 20 copies of Supporting Data for review by the NSPC Committee.

National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 38

Proponent: ___ Norm Dobo _____ Date: 2/26/25

Representing: ___ Myself _____

Mailing Address: __105 Allen Street _____

City: __ Hamilton _____ State: _ NJ _____ Zip: _08620_____

Phone: __606-610-3243_____ E-mail __ nola10044@aol.com_____

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

__**X**__ Change subsection to read as follows

_____ Add new subsection to read as follows

_____ Amend section with this editorial change

_____ Delete subsection and substitute as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: _10.15.6 h. Mixed Water Temperature Control

h. Bathtubs and whirlpool baths: The hot water supply to the faucets for bathtubs and whirlpool baths without showers and with or without deck-mounted hand sprays, shall be controlled to a maximum water temperature no higher than of 106ºF to 120ºF by a water temperature limiting device complying with ASSE 1070/ASME A112.1070/CSA B125.70 or a water heater complying with ASSE 1084.

EXCEPTION: A water temperature limiting device shall not be required if the fixture is supplied by an ASSE 1016/ASME Al12.1016/CSA B125.16 automatic compensating valve.

h. Bathtubs and whirlpool baths: The hot water supply to the faucets for bathtubs and whirlpool baths without showers and with or without deck-mounted hand sprays, shall be controlled to a maximum water temperature no higher than ~~of 106ºF to~~ 120ºF by a water temperature limiting device complying with ASSE 1070/ASME A112.1070/CSA B125.70 or a water heater complying with ASSE 1084.
EXCEPTION: A water temperature limiting device shall not be required if the fixture is supplied by an ASSE 1016/ASME Al12.1016/CSA B125.16 automatic compensating valve.

Basis/Reason for Change:
To add a clearer definition of hot water required to these fixtures.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

1) Proposed Code Changes gaining acceptance will appear in the 2027 NSPC. *Rev.2.1.24*
2) Proponent must submit, upon committee request, 20 copies of Supporting Data for review by the NSPC Committee.

Basis/Reason for Change:
To add a clearer definition of hot water required to these fixtures.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

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2) Proponent must submit, upon committee request, 20 copies of Supporting Data for review by the NSPC Committee.

National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 41

Proponent: Don Jones Date: 08/30/2024

Representing: Self

Mailing Address: 202 W. Summit St

City: Vineland State: NJ Zip: 08360

Phone: 609-517-1473 E-mail: donald_m_jones@att.net

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

_____ Amend section with this editorial change

X Change subsection to read as follows

_____ Delete subsection and substitute as follows

_____ Add new subsection to read as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: Table 10.16.6

Update Table 10.16.6 to include 1-1/4" discharge pipe size

Table 10.16.6 Size of Drains or Waste Pipes Receiving Relief Valve Discharge	
Discharge Pipe Size	**Minimum Drain or Indirect Waste Size**
3/4"	2" *
1"	3"
1-1/4"	**~~3"~~4"**
1-1/2"	4"
2"	4"
2-1/2"	6"
*EXCEPTION: A laundry sink with 1-1/2" waste pipe	

Basis/Reason for Change:

The Code should include all standard discharge pipe sizes from 3/4" to 2-1/2." 1-1/4" is **not** on the list.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

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1) Proposed Code Changes gaining acceptance will appear in the 2027 NSPC. *Rev.2.1.24*
2) Proponent must submit, upon committee request, 20 copies of Supporting Data for review by the NSPC Committee.

National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 44

Proponent: Kristopher Heine Date: 2/26/25

Representing: Heine Plumbing & Water Treatment, Inc.

Mailing Address: 270 Sparta Ave., Ste 104, #139

City: Sparta State: NJ Zip: 07871

Phone: 973-383-0392 E-mail: kris@heineplumbing.com

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

___X_ Change subsection to read as follows

_____ Add new subsection to read as follows

_____ Amend section with this editorial change

_____ Delete subsection and substitute as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: __10.16.7 a. Vacuum Relieve Valves for Water Heaters Subject to Siphonage

a. Where water distribution piping can siphon water from a water heater, and where the bottom of a hot water storage tank or indirect water heater is installed above the flood rim of the fixture it serves and/or is installed three or more stories above grade, a vacuum relief valve complying with ANSI Z21.22/CSA 4.4 shall be installed ~~on the storage tank or storage type heater~~. ~~and cause dry-firing, a vacuum relief valve shall be installed~~ on the cold water inlet piping to the water heater.

b. and c. No Change

Basis/Reason for Change:

To make it more clear to determine when a vacuum relief valve is required.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

1) Proposed Code Changes gaining acceptance will appear in the 2027 NSPC. *Rev.2.1.24*

2) Proponent must submit, upon committee request, 20 copies of Supporting Data for review by the NSPC Committee.

National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 45

Code Section: 10.18 DRINKING WATER TREATMENT UNITS

TABLE 10.18.1
DRINKING WATER TREATMENT UNITS

APPLICATION		Residential		Commercial
		POINT OF USE	POINT OF ENTRY	
Aesthetic Contaminant Reduction (filters)		NSF/ANSI 42 or CSA B483.1	NSF/ANSI 42 or CSA B483.1	ASSE 1087 and NSF/ANSI 42*
Health Related Contaminant Reduction (filters)	Health Related Contaminant Reduction (filters)	NSF/ANSI 53 or CSA B483.1	NSF/ANSI 53 or CSA B483.1	ASSE 1087 and NSF/ANSI 53*
Water Softener		≤ 1¼ inch inlet NSF/ANSI 44 or CSA B483.1	≤ 1¼ inch inlet NSF/ANSI 44 or CSA B483.1 ~~> 1¼ inch inlet ASSE 1087~~	> 1¼ inch inlet ASSE 1087
Ultraviolet Water Treatment		NSF/ANSI 55 or CSA B483.1		ASSE 1087
Reverse Osmosis		NSF/ANSI 58 or CSA B483.1		ASSE 1087
Distillation	Distillation	NSF/ANSI 62 or CSA B483.1	NSF/ANSI 62 or CSA B483.1	ASSE 1087
Legionella Reduction and Treatment Devices		ASSE LEC 2011		ASSE LEC 2011

* Required for commercial modular systems only.

National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 48

Proponent: Abraham I. Murra Date: February 24, 2025

Representing: Jets Vacuum AS, Norway

Mailing Address: Radinace Ln, RSM, CA, 92688, United States

Phone: +1 (657) 201-1975 E-mail: abraham.murra@outlook.com

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply: X Amend section with this editorial change

X Change subsection to read as follows _____ Delete subsection and substitute as follows

X Add new subsection to read as follows X Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: E.5 VACUUM DRAINAGE SYSTEMS

11.13 ~~E.5~~ VACUUM DRAINAGE SYSTEMS

11.13.1 ~~E.5.1~~ General requirements

11.13.1.1 ~~E.5.1.1~~ System Design
Vacuum drainage systems shall be designed in accordance with CSA B45.13/IAPMO Z1700 and the manufacturer's recommendations. The system layout, including piping layout, tank assemblies, vacuum pump assembly and other components and ~~/~~designs necessary for proper function of the system shall be in accordance with CSA B45.13/IAPMO Z1700 and the ~~per~~ manufacturer's recommendations. Plans and~~,~~ specifications ~~and other data~~ for such systems shall be submitted to the Authority Having Jurisdiction ~~for review and approval prior to installation~~.

11.13.1.2 ~~E.5.1.2~~ Fixtures
Vacuum plumbing fixtures shall comply with CSA B45.13/IAPMO Z1700. Gravity type fixtures used in vacuum drainage systems shall comply with Chapter 7 of this Code.

11.13.1.3 ~~E.5.1.3~~ Drainage Fixture Units (DFU)
Fixture units for gravity drainage systems that discharge into or receive discharge from vacuum drainage systems shall be based upon values in Chapter 11 of this Code.

11.13.1.4 ~~E.5.1.4~~ Water Supply Fixture Units (WSFU)
Water supply fixture units (WSFU) for gravity fixtures shall be based on the values in Chapter 10 of this Code ~~with the addition that the fixture unit of a vacuum type water closet shall be 1.0 WSFU~~.

11.13.1.5 Drainage Pipe Sizing
Drainage pipes for vacuum drainage systems shall be sized in accordance with CSA B45.13/IAPMO Z1700.

11.13.1.6 Wastewater Flow Rate Calculation
Calculation of wastewater flow rates for vacuum fixtures designed specifically for vacuum sanitary drainage systems shall be in accordance with CSA B45.13/IAPMO Z1700.

11.13.1.7 ~~E.5.1.5~~ Traps and Cleanouts
Gravity type fixtures shall be provided with traps and cleanouts per Chapter 5 of this Code.

11.13.1.8 ~~E.5.1.6~~ Materials
Vacuum drainage pipe, fittings and valve materials shall be in accordance with CSA B45.13/IAPMO Z1700, with ~~as recommended by~~ the vacuum drainage system manufacturer's instructions, and as permitted by this Code.

11.13.2 ~~E.5.2~~ Tests and Demonstrations

11.13.2.1 System Design, Installation and Verification
System design, installation and verification shall be conducted in accordance with CSA B45.13/IAPMO Z1700.

11.13.2.2 Equipment, System and Piping Testing
After completion of the entire system installation, vacuum equipment, vacuum system and piping testing shall be conducted in accordance with CSA B45.13/IAPMO Z1700. ~~the system shall be subjected to a vacuum test of 19 inches of mercury and shall be operated to functions required by the Authority Having Jurisdiction and the manufacturer.~~ Recorded proof of all tests shall be submitted to the Authority Having Jurisdiction.

11.13.3 ~~E.5.3~~ Written Instructions
Written instructions ~~for the operation, maintenance, safety and emergency procedures~~ shall be provided in accordance with CSA B45.13/IAPMO Z1700 ~~to the building owner as verified by the Authority Having Jurisdiction~~.

~~E.5.4 Requirements for Special Design Plumbing Systems~~
~~The requirements of Sections E1, E2, E3, and E4 apply to this special design plumbing system.~~

Basis/Reason for Change:

Currently, the NSPC addresses vacuum drainage only for condensate waste. Expanding its scope to include other waste types and system designs enhances the applicability of the NSPC. Referencing CSA B45.13/IAPMO Z1700 —a binational consensus standard covering equipment, materials, construction, performance, testing, and markings— will help standardize vacuum waste-collection systems and help protect the public. The existing code pertains only to gravity-based fixtures connected to vacuum systems; adding vacuum plumbing fixtures accommodates leading-edge industry standard technology.

Additionally, a major change to the UPC was approved last May, moving vacuum drainage systems to Chapter 7, Sanitary Drainage, from the Alternative Plumbing Systems appendix (Section C 501.0). The International Plumbing Code (IPC) includes vacuum systems in Section 715. Both the UPC and IPC recently approved referencing CSA B45.13/IAPMO Z1700 for vacuum systems.

This is a joint proposal submitted together with Jets Vacuum AS, Norway.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

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National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 49

Proponent: ___ Norm Dobo _____ Date: 2/26/25

Representing: ___ Myself _____

Mailing Address: __105 Allen Street _____

City: __ Hamilton _____ State: _ NJ _____ Zip: _08620_____

Phone: __606-610-3243_____ E-mail __ nola10044@aol.com_____

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply:

__**X**__ Change subsection to read as follows

_____ Add new subsection to read as follows

_____ Amend section with this editorial change

_____ Delete subsection and substitute as follows

_____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: ____12.10.1.a. Single Bathroom Groups_____

a. ~~An individually~~ One or two vented lavatory(s) in a single bathroom group shall be permitted to serve as a wet vent for the water closet, the bathtub or shower stall, or the water closet and bathtub/shower if all of the following conditions are met.

1.-6. No change

Committee amendment:

a. ~~An individually One or two~~An individual vent~~ed~~ serving one or two lavator~~y(s)~~ies in a single bathroom group shall be permitted to serve as a wet vent for the water closet, the bathtub or shower stall, or the water closet and bathtub/shower if all of the following conditions are met.

1.-6. No change

Basis/Reason for Change:

The definition of a single bathroom group is one or two lavatories.
Note: Diagrams 12.10.1 A, B, C (exclude back to back) and 12.10.3 C, D, E single lavatory diagram will have to be changed to show two lavatories.

Vote: ___ Accept ___ Accept as Amended

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___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

National Standard Plumbing Code
2027 Proposed Code Change Form
Deadline: February 28, 2025

27 - 52

Proponent: ___NSPC Staff_____ Date: _02-20-2025

Representing: __NSPC Committee_____ _____

Mailing Address: __18927 Hickory Creek Drive, Suite 220_____

City: __Mokena_____ State: __IL_____ Zip: 60448

Phone: __1-909-472-4100_____ E-mail _____nspc@iapmo.org_____

IMPORTANT: Please review the attached instruction sheet regarding proposed code changes.

Check All That Apply: __X__ Amend section with this editorial change

_____ Change subsection to read as follows _____ Delete subsection and substitute as follows

_____ Add new subsection to read as follows _____ Delete subsection without substitution

Please submit changes to only one Code Section per Proposed Code Change Form

Code Section: TABLE 18.1 REFERENCED STANDARDS

UPDATES FOR REFERENCED STANDARDS IN 2027 NSPC TABLE 18.1

See the following pages for changes.

Basis/Reason for Change:
To update, and make current, all of the information in Table 18.1 for the 2027 NSPC.

Vote: ___ Accept ___ Accept as Amended

___ Accept in Part ___ Accept in Principle ___ Accept in Part and Principle

___ Defeated ___Failed Lack of Second ___ Tabled ___ Withdrawn ___ Other

1) Proposed Code Changes gaining acceptance will appear in the 2027 NSPC.
2) Proponent must submit, upon committee request, 20 copies of Supporting Data for review by the NSPC Committee.

CHAPTER 18
REFERENCED STANDARDS

Table 18.1 REFERENCED STANDARDS		
Standard Number	**Standard Title**	**2024 NSPC**
ANSI/AHAM DW 2 - 2020	Household Electric Dishwashers	Table 3.1.3-VII, 7.15.1
AHAM FWD 2 - 2021	Method for Measuring Performance of Household Food Waste Disposers	Table 3.1.3-VII, 7.14.1
AHAM HLW 2 - 2020	Performance Evaluation Procedures for Household Clothes Washers	Table 3.1.3-VII, 7.13.1
ANSI/PSAI Z4.3 - 2016	Non-Sewered Waste-Disposal Systems -Minimum Requirements	2.24, Table 3.1.3-X
ANSI Z21.22 – 2015 (R2020)/CSA 4.4 - 2015 (R2020)	Relief Valves for Hot Water Supply Systems	Table 3.1.3-VIII, 10.16.7
ASHRAE Standard 18 – 2008 (R2013)	Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration	7.12.1
ASME A13.1 - ~~2020~~2023	Scheme for the Identification of Piping Systems	2.27, 10.21
ASME A112.1.2 - 2012 ~~(R2017)~~ (R2022)	Air Gaps in Plumbing Systems (for Plumbing Fixtures and Water-Connected Receptors)	Table 3.1.3-IX, 7.11.6, 10.5.1, 10.5.3
ASME A112.1.3 - 2000 (R2019)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances	Table 3.1.3-IX, 10.5.1, 10.5.3
ASME A112.3.1 – 2007 ~~(R2017)~~(R2022)	Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below-Ground	Table 3.1.3-I, Table 3.5, Table 3.6, Table 3.7, Table 3.8, 7.16.1
ASME A112.3.4 – 2018/CSA B45.9-2018 (R2023)	Macerating Toilet Systems and Waste-Pumping Systems for Plumbing Fixtures	Table 3.1.3-V, Table 3.1.3-X, 7.4.8, 11.7.6
ASME A112.4.1 - 2009 ~~(R2019)~~(R2024)	Water Heater Relief Valve Drain Tubes	Table 3.1.3-VIII, 10.16.6
ASME A112.4.2 -2021/CSA B45.16 - 2021	Personal Hygiene Devices for Water Closets	Table 3.1.3-VI, 7.4.1, 7.4.9, 7.4.10
ASME A112.4.3 - 1999 ~~(R2019)~~(R2024)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	Table 3.1.3-IV
ASME A112.4.14-2022/CSA B125.14-~~2017~~2022	Manually or Automatically Operated Valves for Use in Plumbing Systems	Table 3.1.3-VIII
ASME A112.6.1M - 1997 (R2017)	Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use	Table 3.1.3-VI, 3.3.12, 7.3.5
ASME A112.6.2 – 2017 (R2022)	Framing-Affixed Supports (Carriers) for Off-the-Floor Plumbing Fixtures	Table 3.1.3-VI, 3.3.12, 7.3.5
ASME A112.6.3 – ~~2019~~2022/CSA B79.3-2022	Floor ~~and Trench~~ Drains	Table 3.1.3-V, 5.3.6, 7.11.5, 7.16.1, 7.16.2,
ASME A112.6.4 - ~~2003 (R2012)~~ 2022/CSA B79.4-2022	Roof, Deck, and Balcony Drains	Table 3.1.3-V, 3.3.9, 13.5.1, 13.5.2, 13.5.3

Table 18.1 REFERENCED STANDARDS		
Standard Number	**Standard Title**	**2024 NSPC**
ASME A112.36.2M - ~~1991 (R2017)~~ 2022/CSA B79.2-2022	Cleanouts	Table 3.1.3-VIII
ASME B1.20.1 - 2013 (R2018)	Pipe Threads, General Purpose (Inch)	Table 3.1.3-IV, 4.2.2
ASME B16.3 - ~~2016~~2021	Malleable Iron Threaded Fittings Classes 150 and 300	Table 3.1.3-I, Table 3.4
ASME B16.4 - ~~2016~~2021	Gray Iron Threaded Fittings Classes 125 and 250	Table 3.1.3-I, Table 3.4
ASME B16.5 - 2020	Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard	Table 3.1.3-I, Table 3.4
ASME B16.12 - 2019	Cast Iron Threaded Drainage Fittings	Table 3.1.3-I Table 3.5, Table 3.6, Table 3.7
ASME B16.14 - 2018	Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads	Table 3.1.3-I
ASME B16.15 - ~~2018~~2024	Cast Copper Alloy Threaded Fittings: Classes 125 and 250	Table 3.1.3-II, Table 3.4
ASME B16.18 - ~~2018~~2021	Cast Copper Alloy Solder Joint Pressure Fittings	Table 3.1.3-II, Table 3.4, 4.2.6, 10.20.4
ASME B16.22 - ~~2018~~2021	Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings	Table 3.1.3-II, Table 3.4, 4.2.6, 4.2.8.2, 10.20.4
ASME B16.23 - ~~2016~~2021	Cast Copper Alloy Solder Joint Drainage Fittings: DWV	Table 3.1.3-II, Table 3.5, Table 3.6, Table 3.7, 4.2.4
ASME B16.24 - ~~2016~~2021	Cast Copper Alloy Pipe Flanges, Flanged Fittings, and Valves: Classes 150, 300, 600, 900, 1500, and 2500	Table 3.1.3-II, Table 3.4, 4.2.4
ASME B16.26 - 2018	Cast Copper Alloy Fittings for Flared Copper Tubes	Table 3.1.3-II, Table 3.4, 4.2.5
ASME B16.29 - ~~2017~~2022	Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings - DWV	Table 3.1.3-II, Table 3.5, Table 3.6, Table 3.7, 4.2.4
ASME B16.50 - ~~2018~~2021	Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings	Table 3.1.3-II, Table 3.4, 4.2.4, 4.2.8.2
ASME B16.51 – ~~2018~~ 2021	Copper and Copper Alloy Press-Connect Pressure Fittings	Table 3.1.3-II, Table 3.4, 10.20.4
ASME BPVC Section–IV - ~~2021~~2023	Rules for Construction of Heating Boilers	3.3.8, 10.15.11
ASME BPVC Section–VIII.1 - ~~2021~~2023	Rules for Construction of Pressure Vessels Division 1	3.3.8, 10.15.7
ASME CSD-1 - 2018	Controls and Safety Devices for Automatically Fired Boilers	10.15.11
ASSE 1001 – ~~2017~~ 2021	Performance Requirements for Atmospheric Type Vacuum Breakers	Table 3.1.3-IX, 7.4.9, 7.4.10, 7.7.2, 7.8.4, 10.5.3, 10.5.10
ASSE 1002 - 2020/ASME A112.1002 - 2020/CSA B125.12 - 2020	Anti-Siphon Fill Valves for Water Closet Tanks	Table 3.1.3-VI, 7.19.3, 10.5.3
~~ASSE 1003 - 2020[e2]~~ ASSE 1003-2023/CSA B356-2023	Performance Requirements for Water Pressure Reducing Valves for Potable Water Distribution Systems	Table 3.1.3-VIII, 10.14.6
ASSE 1004 – ~~2017~~ 2024	Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines	Table 3.1.3-IX, 7.15.1
ASSE 1008 - 2020	Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units	Table 3.1.3-VII, 7.14.1
ASSE 1010 – ~~2004~~ 2021	Performance Requirements for Water Hammer Arresters	Table 3.1.3-VIII, 10.14.7
ASSE 1011 – ~~2017~~ 2023	Performance Requirements for Hose Connection Vacuum Breakers	Table 3.1.3-IX, 10.5.3
ASSE 1012 – ~~2009~~ 2021	Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent	Table 3.1.3-IX, 10.5.3, 10.5.8

Table 18.1 REFERENCED STANDARDS		
Standard Number	**Standard Title**	**2024 NSPC**
CISPI 310 - 2020	Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications	Table 3.1.3-IV, 4.3.8
CSA B45.5 – ~~2017~~ 2022/IAPMO Z124 - ~~2017~~ 2022	Plastic Plumbing Fixtures	Table 3.1.3-V, 7.4.1, 7.4.2, 7.5.1, 7.5.2, 7.6.1, 7.8.1, 7.10.1, 7.11.1
CSA B45.8 – ~~2018~~ 2023/IAPMO Z403 - ~~2018~~ 2023	Terrazzo, concrete, composite stone, and natural stone plumbing fixtures	7.6.1, 7.8.1, 7.10.1, 7.11.1
CSA B45.11 - 2017/IAPMO Z401 - 2017	Glass plumbing fixtures	7.6.1, 7.11.1
CSA B45.12 – ~~2013~~ 2023/IAPMO Z402 - ~~2013 (R2018)~~ 2023	Aluminum and copper plumbing fixtures	7.6.1, 7.8.1, 7.10.1, 7.11.1
CSA B64 Series - 2021	Backflow Preventers and Vacuum Breakers	10.5.3
~~CSA B79 - 2008 (R2018)~~	~~Commercial and Residential Drains and Cleanouts~~	~~Table 3.1.3-V, 7.7.2, 7.16.1, 7.16.2, 13.5.1, 13.5.2, 13.5.3~~
CSA B125.3 – ~~2018~~ 2022	Plumbing Fittings	Table 3.1.3-VI, Table 3.1.3-VIII, 10.15.3
CSA B137.6 – ~~2020~~ 2023	Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing, and Fittings for Hot- and Cold-Water Distribution Systems	Table 3.1.3-III, Table 3.4, Table 3.4.3, 11.7.8
CSA B137.9 – ~~2020~~ 2023	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems	Table 3.1.3-III
CSA B137.10 – ~~2020~~ 2023	Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Composite Pressure-Pipe Systems	Table 3.1.3-III
CSA B137.18 – ~~2020~~ 2023	Polyethylene of Raised Temperature Resistance (PE-RT) Tubing Systems for Pressure Applications	Table 3.1.3-III, Table 3.4, Table 3.4.2, Table 3.4.3
CSA B181.1 – ~~2021~~ 2024	Acrylonitrile-Butadiene-Styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings (Contained in CSA B1800-2021)	Table 3.1.3-III, Table 3.1.3-VIII
CSA B181.2 – ~~2021~~ 2024	Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings (Contained in CSA B1800-2021)	Table 3.1.3-III, Table 3.1.3-VIII
~~ASME A112.14.3 2022/CSA B481 Series - 2012 (R2021)~~ 2022	~~Grease Interceptors Removal Devices~~	~~6.2.1.1, 6.2.1.2~~
CSA B483.1 - 2021	Drinking Water Treatment Systems	Table 3.1.3-VII, 10.18.1
CSA B602 - 2020	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	Table 3.1.3-IV, 4.2.11.6
CSA/ANSI Z21.10.1 – 2019 (R2024)/ CSA 4.1 – 2019 (R2024)	Gas Water Heaters, - Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less	Table 3.1.3-VII, 10.15.10, 10.15.11
CSA/ANSI Z21.10.3 – 2019 (R2024)/ CSA 4.3 – 2019 (R2024)	Gas-Fired Water Heaters, - Volume III, Storage Water Heaters with Input Ratings above 75,000 Btu Per Hour, Circulating and Instantaneous	Table 3.1.3-VII, 10.15.10, 10.15.11
FM 1680 – ~~1989~~ 2025	~~Approval~~ Examination Standard for Couplings Used in Hubless Cast Iron Systems for Drain, Waste or Vent, Sewer, Rainwater or Storm Drain Systems Above and Below Ground, Industrial/Commercial and Residential	Table 3.1.3-IV, 4.3.8
~~IAPMO IGC 115 - 2013e1~~	~~Automatic Water Leak Detection Devices~~	~~10.12.10~~
IAPMO IGC 127 – ~~2018~~ 2022	Combined Hand-Washing Systems	7.6.1, 7.11.1