



**AMENDMENTS GROUP 105 - OPC AMENDMENTS
EFFECTIVE OCTOBER 15, 2025**

SUMMARY OF CHANGES

Rule Number	Section	Description of Needed Change
4101:3-1-01	101.1.1	Added rule of construction that changes “1- and 2- family” to “1-, 2-, and 3-family”
	101.3	Added “X” at the end of the sentence.
4101:3-3-01	312.1 second sentence	Changed “OBC Section 108.8” to “Section 108.8 of the building code”
	312.2.1 last sentence	Added “to” after the word “then”
4101:3-4-01	403	Modified exception to add institutions of higher education
	403.3.1 first sentence	Added a comma after “rooms”, delete the word “or”, add a comma, then add the phrase “or similar spaces not available to the public”
4101:3-5-01	504.7	Added 2024 IPC language allowing use of plastic pan for water heaters meeting prescribed flame spread and smoke developed indices
4101:3-6-01	606.1 #2, #5	Changed to 1-, 2-, and 3-family
	606.2 #1	Changed to 1-, 2-, and 3-family
	608.17.1.1	Added exception for carbonated beverage machines
	608.17.1.2	Added ASSE 1032 backflow preventer
	610.1	Changed “EPA” to “Environmental Protection Agency”
4101:3-7-01	701.2	Corrected reference and removed the exception in its entirety.
	709.3	Clarify that drainage fixture units for sump pumps do not contribute to building drain size
	714.1	Replaced the comma after “public sewer” with a period. Capitalized the word “Such”
4101:3-15-01		Revised language for standards not referenced

4101:3-1-01 Administration.**Section 101
General**

101.1 Incorporation by Reference, Title and Rules of Construction. Except as provided in Chapters 4101:3-1 to 4101:3-15 of the Administrative Code, the International Plumbing Code, 2021 edition, Chapters 2 through 15, as published by the “International Code Council, Inc.” including all subsequently published errata and printings, and readily available at <https://www.iccsafe.org>, are hereby incorporated by reference in accordance with sections 121.71 to 121.74 of the Revised Code as if set out at length herein.

101.1.1 Rules of Construction. The following rules of construction are to be applied to the Administrative Code:

1. All references to the International Building Code, International Mechanical Code, International Plumbing Code, and International Residential Code mean the Ohio Building Code, Ohio Mechanical Code, Ohio Plumbing Code, and Residential Code of Ohio, respectively, unless otherwise noted. References to “this code” in Sections 4101:3-1 to 4101:3-15 of the Administrative Code mean the “Ohio Plumbing Code.” References to “plumbing code” in divisions 4101:1, 4101:2, 4101:3 and 4101:8 of the Administrative Code mean “Ohio Plumbing Code.”
2. The phrase "applicable energy conservation code referenced in Chapter 13 of the building code" is substituted for "International Energy Conservation Code."
3. Except as otherwise noted, “Chapter 34 of the building code” is substituted for “International Existing Building Code.”
4. The terms “approval” or “approvals” are substituted for “permit” or “permits,” respectively, when referring to documentation indicating compliance with this code.
5. The phrase “owner’s representative” is substituted for “owner’s authorized agent.”
6. Except as otherwise noted, “building official” is substituted for “fire code official.”
7. The phrase “building official” is substituted for “code official.”
8. The phrase “one-, two- and three-family” is substituted for “one- and two-family.”
9. The provisions of this code are mandatory whether or not the term “shall” is used.

101.2 Scope. The provisions of this code apply to the design, installation, maintenance, alteration, repair, relocation, replacement, addition to, use and inspection of plumbing systems within buildings. This code also applies to those other systems, system components, equipment and appliances specifically addressed herein.

101.3 Administrative and enforcement. For administrative and enforcement provisions of this code, refer to sections 101.2 to 114 of the building code or the Residential Code of Ohio, as applicable.

101.3.1 Specific enforcement. Enforcement of the provisions in sections 307, 310, 314, 403, 404 and 603 of this code is the responsibility of the certified *building official* of the certified municipal, county, or township building department having jurisdiction or the superintendent of the division of industrial compliance.

101.3.2 Enforcement of medical gas systems. Plan review and inspection of nonflammable medical gas and vacuum systems is to be performed by one of the following:

- a. A building department certified to enforce medical gas systems and having in its employ or under contract a certified medical gas inspector; or
- b. A local health district requesting enforcement responsibility and having in its employ or under contract a certified medical gas inspector; or
- c. If a certified department does not hold the certification to enforce medical gas piping system requirements and a local health district does not request enforcement authority, then the enforcement is to be done by the division of industrial compliance in the department of commerce.

101.4 Referenced standards. When a reference is made within the building, mechanical, or plumbing codes to a federal statutory provision, an industry consensus standard, or any other technical publication, the specific date and title of the publication as well as the name and address of the promulgating agency are listed in Chapter 35 of the building code, Chapter 15 of the mechanical code, or Chapter 15 of the plumbing code.

The codes and standards referenced in the building, mechanical, and plumbing codes are considered part of the requirements of these codes as though the text were

printed in this code, to the prescribed extent of each such reference. Where differences occur between provisions of these codes and the referenced standards, the provisions of these codes apply.

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4101:3-3-01 General regulations.

Chapter 3 of the International Plumbing Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Modify the exception to section 301.3 to read as follows:

Exception: Bathtubs, showers, lavatories, clothes washers and laundry trays are not required to discharge to the *sanitary drainage system* where such fixtures discharge to a recycled water system approved by the “Ohio Environmental Protection Agency” in accordance with Chapter 3745-42 of the Administrative Code or approved by the “Ohio Department of Health” in accordance with Chapter 3701-28 of the Administrative Code.

(B) Modify section 303.3 as follows:

Replace the phrase “...third party certification...” with the word “...listed...”.

(C) Replace section 303.4 to read as follows:

303.4 Approved agency testing and certification. Plumbing products and materials required by the code to be in compliance with a referenced standard are to be *listed* by an *approved agency* as complying with the applicable referenced standards. Products and materials are to be identified in accordance with Section 303.1.

(D) Replace section 303.5 to read as follows:

303.5 Cast-iron soil pipe, fittings and components. Cast-iron soil pipes and fittings, and the couplings used to join these products together, are to be *listed* and *labeled* by an *approved agency*.

(E) Replace section 305.3 to read as follows:

305.3 Pipes and fittings through foundation wall assemblies. Any pipe or fitting making a through penetration of a foundation wall assembly are to be provided with a relieving arch, or a pipe sleeve pipe is to be built into the foundation wall assembly. The sleeve is to be two pipe sizes greater than the pipe or fitting passing through the foundation wall assembly. Pipe joints or fitting joints are not to occur within the exterior foundation wall assembly.

(F) Replace section 305.4.1 to read as follows:

305.4.1 Sewer depth. Deleted.

(G) Modify section 309.2 to replace the list as follows:

1. Water service pipes.
2. Deleted.
3. Deleted.
4. Sanitary drainage piping.
5. Storm drainage piping.
6. Deleted.
7. Other plumbing fixtures, faucets, fixture fittings, piping systems and equipment.
8. Water heaters.
9. Vents and vent systems.

(H) Replace section 311.1 to read as follows:

311.1 General. Deleted.

(I) Replace section 312.1 in its entirety to read as follows:

312.1 Required tests. The owner or owner's representative is to cause the applicable tests and inspections, prescribed in Sections 312.2 through 312.11, to be performed to determine that the work will withstand the prescribed test without leakage and to demonstrate the integrity of the device or assembly. In accordance with ~~OBC~~ Section 108.8 of the building code, reasonable advanced notice is to be given to the *building official* when the plumbing work is ready for tests. The *building official* may require that the tests be conducted in the presence of the *building official* or certified plumbing inspector. The owner or owner's representative is to keep records of the tests and inspections and submit such records to the *building official* upon request.

312.1.1 New, altered, extended or repaired systems. New *plumbing systems* and parts of existing systems that have been altered, extended, or repaired are to be tested as prescribed herein to disclose leaks and defects, except that testing is not required in the following cases:

1. In any case that does not include addition to, replacement, alteration or relocation of any water supply, drainage or vent piping.
2. In any case where plumbing equipment is set up temporarily for exhibition purposes.

312.1.2 Equipment, material, power and labor for tests. Equipment, material, power and labor necessary for testing a *plumbing system* or part thereof is to be furnished by the owner or the owner's

representative. Required tests are to be conducted by and at the expense of the owner or the owner's representative.

312.1.3 Test gauges. Gauges used for testing are to be as follows:

1. Tests requiring a pressure of 10 pounds per square inch (psi) (69 kPa) or less are to utilize a testing gauge having increments of 0.10 psi (0.69 kPa) or less.
2. Tests requiring a pressure of greater than 10 psi (69 kPa) but less than or equal to 100 psi (689 kPa) are to utilize a testing gauge having increments of 1 psi (6.9 kPa) or less.
3. Tests requiring a pressure of greater than 100 psi (689 kPa) are to utilize a testing gauge having increments of 2 psi (14 kPa) or less.

312.1.4 Test media. All *plumbing system* piping, fittings, and shower liners are to be tested with water.

Exception: *Plumbing system* piping and fittings are permitted to be tested as prescribed in Sections 312.2 to 312.8 with air, another compressed gas, vacuum, or other media or method only when the manufacturer of the proposed piping, fittings and solvent cement (if applicable) allows the alternative method of testing. Where this code does not address or prescribe an alternative test method, an alternative test method prescribed by the manufacturer of the piping, fittings, or solvent cement in the published manufacturer's installation instructions will be acceptable as meeting the requirements of this code.

312.1.5 Reinspection and testing. Where any work or installation does not pass any initial test or inspection, the necessary corrections are to be made to comply with this code.

(J) Replace section 312.2 to read as follows:

312.2 Drainage and vent rough-in test. Drainage and vent piping and fittings are to be tested prior to the installation of the *plumbing fixtures* and prior to the installation of wall and ceiling coverings to verify the integrity of the system in accordance with one of the following methods prescribed in Section 312.2.1, 312.2.2, or 312.2.3:

312.2.1 Drainage and vent rough-in water test. A water test is to be applied to the *drainage system* either in its entirety or in sections. If applied to the entire system, all openings in the piping are to be tightly closed, except the highest opening, and the system is to be filled with water to the point of overflow. If the system is tested in sections, each

opening is to be tightly plugged except the highest openings of the section under test, and each section is to be filled with water, but sections are not to be tested with less than a 10-foot (3048 mm) head of water. In testing successive sections, not less than the upper 10 feet (3048 mm) of the next preceding section is to be tested so that no joint or pipe in the building, except the uppermost 10 feet (3048 mm) of the system, is to have been submitted to a test of less than a 10-foot (3048 mm) head of water. This pressure is to be held for not less than 15 minutes. The system is then to be tight at all points.

312.2.2 Drainage and vent rough-in air test. When permitted by the manufacturer of the piping, fittings, and solvent cement (if part of the plumbing system), an air test is to be made by forcing air into the system until there is a uniform gauge pressure of 5 psi (34.5 kPa) or sufficient to balance a 10-inch (254 mm) column of mercury. This pressure is to be held for a test period of not less than 15 minutes. Any adjustments to the test pressure required because of changes in ambient temperatures or the seating of gaskets are to be made prior to the beginning of the test period. Testing is to be done with dual pressure relief valves rated for 7.5 psig.

312.2.3 Alternative drainage and vent rough-in test. When permitted by the manufacturer of the piping, fittings, and solvent cement (if part of the plumbing system), an alternative method of testing the *drainage* and *vent system*, such as compressed gas or vacuum, may be permitted to meet the drainage and vent rough-in test requirements of this code as long as the test is conducted strictly in accordance with the requirements published in the manufacturer's installation instructions.

(K) Replace section 312.3 to read as follows:

312.3 Drainage and vent air test. Deleted.

(L) Replace section 312.4 to read as follows:

312.4 Drainage and vent final test. After the *plumbing fixtures* have been set and their *traps* filled with water, the entire *drainage system* is to be subjected to one of the following final tests as prescribed by the *building official*:

312.4.1 Visual and operational final test. All *plumbing fixtures* are to be operated and a visual inspection of accessible piping and joints are to be performed to determine that there are no visible leaks.

312.4.2 Drainage and vent final test. The final test of the completed *drainage and vent systems* is to be made, after the fixtures are connected, as follows:

1. Close all stack openings;
2. A manometer tube is to be placed through a *trap seal* to the system side and water is to be added to a fixture until an equivalent of at least 1 in. water column (248.8 Pa) is read on the manometer gauge or water-can. Water may be added to a water closet bowl or trap tailpiece extension until the water level is at least one inch higher than the original trap seal;
3. Maintain the initial water column for fifteen (15) minutes;
4. After fifteen (15) minutes, the system is to be separated at a *trap seal*, AAV, or other means as directed by the plumbing inspector for verification that the entire system is interconnected.

312.4.3 Alternative drainage and vent final test. Any other testing method equal to the 1 in. water column. Except as provided for in Section 312.4.2, compressed or stored air may be used only if permitted by the manufacturer of piping, fittings, and solvent cement (if part of the plumbing system).

(M) Replace section 312.5 to read as follows:

312.5 Water supply system test. Upon completion of a section of or the entire *water supply system*, the system, or portion completed, is to be tested to verify the integrity of the system in accordance with one of the following methods prescribed in Sections 312.5.1 or 312.5.2:

312.5.1 Water supply working pressure test. A water pressure test is to be performed to prove the system watertight. The test pressure is to be not less than the working pressure under which the system will be used, and the system will hold the test pressure for at least 15 minutes. The water utilized for tests is to be obtained from a potable source of supply.

312.5.2 Water supply air test. When permitted by the manufacturer of the piping, fittings, and solvent cement (if part of the plumbing system), an air test is to be performed to prove the system airtight. The test pressure is to be not less than 50 psi (344 kPa) and the system will hold the test pressure for at least 15 minutes.

(N) Replace section 312.6 to read as follows:

312.6 Gravity sewer test. Deleted.

(O) Replace section 312.7 to read as follows:

312.7 Forced sewer test. Deleted.

(P) Add an exception to section 312.9 to read as follows:

Exception: The shower liner test is not required for one-, two-, or three-family dwellings unless required by the shower liner manufacturer's installation instructions.

(Q) Replace section 312.10 to read as follows:

312.10 Inspection and testing of isolation backflow prevention devices required by this code. Inspection and testing of *isolation backflow prevention devices* is to comply with Sections 312.10.1 and 312.10.2.

Exception: Inspection and testing requirements for *containment backflow prevention devices* required by the water supplier is to be in accordance with rule 3745-95-06 of the Administrative Code and enforced by the water supplier.

(R) Modify section 313.1 as follows:

Add the phrase "or Chapter 11 of the *Residential Code of Ohio*" at the end of the sentence.

(S) Replace section 316.1 and its subsections with the following:

316.1 Alternative engineered design. See Section 106.5 of the *building code*.

316.1.1 Design criteria. Deleted.

316.1.2 Submittal. Deleted.

316.1.3 Technical data Deleted.

316.1.4 Construction documents. Deleted.

316.1.5 Design approval. Deleted.

316.1.6 Inspection and testing. Deleted.

(T) Add new section 317 Welding and Brazing to read as follows:

SECTION 317 WELDING AND BRAZING

317.1 General. Section 4104.44 of the Revised Code governs the requirements for welding and brazing of metallic *building services piping* (including medical gas) systems referenced by this code.

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4101:3-4-01 Fixtures, faucets and fixture fittings.

Chapter 4 of the International Plumbing Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Modify section 403.1 to add two sentences and an exception at the end of the section to read as follows:

When the actual occupant load will be significantly different than that determined by section 1004 of the *building code*, the *building official* may establish an alternate basis for determining the *occupant load*. This alternate basis is to be included in the special stipulations and conditions section of the certificate of occupancy issued for that structure pursuant to section 111 of the *building code*. For accessibility requirements, see "Chapter 11, Accessibility" of the *building code*.

Exception: Facilities are not required in buildings less than 100 square feet in area if fixtures are available within 500 feet of the building.

(B) Modify table 403.1 as follows:

Relocate the reference to footnote "f" to the assembly classification and replace footnote "f" with the following:

- f. The minimum required number, type and location of plumbing fixtures for *public swimming pools* are to be provided in accordance with Section 3109.3.3 of the building code.

(C) Modify the first sentence of section 403.2 exception 6 to read as follows:

6. In other than Group E occupancies and institutions of higher education, separate facilities are not required where rooms having both water closets and lavatory fixtures are designed for use by both sexes and privacy for water closets are installed in accordance with Section 405.3.4.

(D) Modify section 403.3 exception 1 to read as follows:

1. Parking garages.

(E) Modify section 403.3.1 as follows:

~~Add the phrase "or similar spaces not available to the public" to the end of the first sentence and add~~ Replace the first sentence with the following to read "The route to the public toilet facilities required by Section 403.3 shall not pass through kitchens, storage rooms, closets or similar spaces not available to the public." ~~Add two sentences to the end of the section that~~

read “The building owner is permitted to control access to the toilet facilities. Where such access is controlled, a sign is to be posted indicating how *access* is to be obtained.”

(F) Replace section 403.4.1 with the following:

403.4.1 Directional signage. Deleted.

(G) Add the following sentence to the end of section 405.3.1 to read as follows:

See Chapter 11 of the *building code* for the minimum required dimensions for accessible fixtures.

(H) Modify section 405.3.4 to add the following sentence after the first sentence and before the exceptions:

Compartments of multiple-user facilities designed to serve all genders are to comply with the Type A privacy rating requirements of IAPMO/ANSI/CAN Z124.10.

(I) Replace section 405.7 with the following:

405.7 Plumbing in mental health centers. Deleted.

(J) Replace the first sentence of section 410.3.1 to read as follows:

Where *drinking fountains* are required, not fewer than two *drinking fountains* are to be provided.

(K) Replace the last sentence in section 410.4 to read as follows:

In other occupancies where *water dispensers* are provided, *drinking fountains* are not required to be installed.

(L) Modify section 421.5.2 to add exception #3 to read as follows:

3. The shower liner test is not required for one-, two-, or three-family dwellings unless required by the shower liner manufacturer's installation instructions.

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4101:3-5-01 Water heaters.

Chapter 5 of the International Plumbing Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Modify section 501.1 to add an exception to read as follows:

Exception: Water heaters are to comply with the “Ohio Boiler and Pressure Vessels rules,” Chapters 4101:4-1 to 4101:4-10 of the Administrative Code, when any of the following limitations are exceeded:

1. Heat input of two hundred thousand BTU per hour;
2. Water temperature of two hundred ten degrees Fahrenheit;
3. Nominal water containing capacity of one hundred twenty gallons.

(B) Modify section 501.5 as follows:

Replace the term “third-party certified” with the phrase “*listed* by an *approved agency* as complying with the applicable referenced standards.”

(C) Replace section 504.7 in its entirety with the following:

Where a storage tank-type water heater or a hot water storage tank is installed in a location where water leakage from the tank will cause damage, the tank shall be installed in a pan constructed of one of the following:

1. Galvanized steel or aluminum of not less than 0.0236 inch (0.6010 mm) in thickness.
2. Plastic not less than 0.036 inch (0.9 mm) in thickness.
3. Other approved materials.

A plastic pan installed beneath a gas-fired water heater shall be constructed of material having a flame spread index of 25 or less and a smoked-developed index of 450 or less when tested in accordance with ASTM E84 or UL723.

Water heaters installed in pans shall comply with Section 314.2.3.2.

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4101:3-6-01 Water supply and distribution.

Chapter 6 of the International Plumbing Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Replace section 601.1 with the following:

601.1 Scope. This chapter governs the materials, design and installation of *water supply systems* within a building, both hot and cold, for utilization in connection with human occupancy and habitation.

Exceptions:

1. This chapter is not applicable to private water systems or recycled water systems as defined in section 3701.344 of the Revised Code and as defined in rule 3701-28-01 of the Administrative Code and within the scope of the rules of the “Ohio Department of Health”.
2. This chapter is not applicable to public water systems as defined in division (A) of section 6109.01 of the Revised Code and as defined in rule 3745-81-01 of the Administrative Code and within the scope of the rules of the “Ohio Environmental Protection Agency”.

(B) Replace section 602.3 in its entirety to read as follows:

602.3 Water Required. This section and all subsections are deleted.

(C) Replace section 603.2 with the following:

603.2 Separation of water service and building sewer. Where *water service piping* is located in the same trench with the *building sewer* and the *building sewer* piping is not constructed of materials listed in Table 702.2, the *water service pipe* and the *building sewer* are to be horizontally separated by not less than 5 feet (1524 mm) of undisturbed or compacted earth. The required separation distance is not applicable where a *water service pipe* crosses a *sewer* pipe, provided that the water service is sleeved to a point not less than 5 feet (1524 mm) horizontally from the sewer pipe centerline on both sides of such crossing. The sleeve is to be of pipe materials listed in Table 605.3, Table 702.2, or other pipe material acceptable to the authority having jurisdiction for the *building sewer*. The required separation distance is not applicable where the bottom of the water service pipe, located within 5 feet (1524 mm) of the *sewer*, is not less than 12 inches (305 mm) above the highest point of the top of the *building sewer*.

(D) Add an exception to section 605.2.1 to read as follows:

Exception: The following items are exempt from the lead content limitations of this section (even though the potable water supply pipe which serves the fixture or supplies the nonpotable water system is not exempt):

1. Pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers that are used exclusively for nonpotable services such as process piping, irrigation piping, and outdoor watering piping.
2. Toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, and service saddles.
3. Water distribution main gate valves two inches in diameter or larger.

(E) Modify section 605.3 as follows:

Replace the term "...third party certified..." with the phrase "...*listed by an approved agency...*"

(F) Modify section 605.15.2, exception #1, as follows:

Replace the term "...third party certified..." with the phrase "...*listed by an approved agency...*"

(G) Modify section 606.1, items #2.1, #4, and #5 to read as follows:

2.1 In multiple-tenant buildings, where a common water supply piping system is installed to supply other than one-, two- and three-family dwellings, a main shutoff valve shall be provided for each tenant.

4. On the base of every riser.
5. On the top of every water down-feed pipe in occupancies other than one-, two- three- family residential occupancies.

(H) Modify section 606.2, item # 1 to read as follows:

1. On the fixture supply to each plumbing fixture other than bathtubs and showers in one-, two- and three- family residential occupancies, and other than in individual sleeping units that are provided with unit shutoff valves in hotels, motels, boarding houses and similar occupancies.

(I) Replace section 606.5.5 to read as follows:

606.5.5 Low-pressure cutoff required on booster pumps. In accordance with rule 3745-95-07 of the Administrative Code, a low-pressure cutoff, a low suction throttling valve, or variable speed suction limiting controls is to be installed on all booster pumps in a water pressure booster system to

prevent creation of a vacuum or negative pressure on the suction side of the pump when a positive pressure of 10 psi (68.94 kPa) or less occurs on the suction side of the pump while the pump is operating. Enforcement of the referenced rule is the responsibility of the local water supplier.

~~(H)~~ **(J)** Add a sentence at the end of section 607.1 to read as follows:

Tempered water is to be delivered from lavatories and group wash fixtures located in *public* toilet facilities provided for customers, patrons, and visitors.

~~(J)~~ **(K)** Replace section 607.2.1 to read as follows:

607.2.1 Circulation systems and heat trace systems for maintaining heated water temperature in distribution systems. Automatic circulating *hot water* system pumps or heat trace is to be arranged to be conveniently turned off, automatically or manually, when the *hot water* system is not in operation.

~~(K)~~ **(L)** Replace section 607.2.1.1 to read as follows:

J.2.1.1 Pump controls for hot water storage systems. Deleted.

~~(L)~~ **(M)** Replace section 607.5 to read as follows:

607.5 Insulation of piping. Piping to the inlet of a *water heater* and piping conveying water heated by a *water heater* is to be insulated in accordance with the applicable energy conservation standard referenced in Chapter 13 of the *building code* or Chapter 11 of the “*Residential Code of Ohio*”.

~~(M)~~ **(N)** Replace section 608.1 with the following:

608.1 General. A potable water supply system within a building is to be designed, installed and maintained in such a manner so as to prevent contamination from nonpotable liquids, solids or gases being introduced into the building potable water supply through cross connections or any other piping connections to the system. Isolation backflow prevention device applications are to conform to Table 608.1, except as specifically stated in Sections 608.2 through 608.17.10.

~~(N)~~ **(O)** Modify section 608.4 as follows:

Add “water-powered sump pumps,” after “Water pumps,”

(P) Modify section 608.17.1.1 to add the following exception:

Exception: If an ASSE 1022 backflow preventer is provided integral to the beverage dispensing system carbonator assembly, then neither the double

check valve with an intermediate atmospheric vent conforming to ASSE 1022 nor an *air gap* is required at the water supply connection to the beverage dispensing system.

(Q) Modify section 608.17.1.2 to read as follows:

608.17.1.2 Coffee machines and noncarbonated drink dispensers. The water supply connection to each coffee machine and each noncarbonated beverage dispenser shall be protected against backflow by a backflow preventer conforming to ASSE 1022, ASSE 1024, ASSE 1032, or protected by an *air gap*.

(P)(R) Add a sentence at the end of section 608.17.2 to read:

If the boiler feedwater, water treatment, or make-up water pipe is not provided with a high temperature check valve (rated at not less than 250 °F) near the boiler stop valve, then the temperature rating of the *backflow preventer* is to be not less than 250 °F.

(Q)(S) Replace section 608.18 in its entirety to read as follows:

608.18 Protection of individual water supplies. An individual water supply, otherwise known as a private water system, is to be located and constructed so as to be safeguarded against contamination in accordance with the rules of the “Ohio Department of Health” set forth in Chapter 3701-28 of the Administrative Code, “Private Water Systems.”.

608.18.1 Well locations. Deleted.

TABLE 608.18.1 DISTANCE FROM CONTAMINATION TO PRIVATE WATER SUPPLIES AND PUMP SUCTION LINES
Deleted.

608.18.2 Elevation. Deleted.

608.18.3 Depth. Deleted.

608.18.4 Watertight casings. Deleted.

608.18.5 Drilled or driven well casings. Deleted.

608.18.6 Dug or bored well casings. Deleted.

608.18.7 Cover. Deleted.

608.18.8 Drainage. Deleted.

(R)(T) Modify section 609.2.1 as follows:

Replace the word “hospital.” with the phrase “Group I-2, Condition 2 facility.”

(S)(U) Add an exception to section 610.1 that reads as follows:

Exception: New plumbing systems in one-, two-, and three-family dwellings are to be purged of deleterious matter and shown by a bacteriological examination, prescribed by the health authority or the water purveyor having jurisdiction and performed by a third-party testing laboratory certified/accepted by the “Ohio ~~EPA~~ Environmental Protection Agency,” that the water in the system meets prescribed water quality standards in accordance with the following procedure:

1. If, after first bacteriological examination, the water in the plumbing system meets prescribed water quality standards, then no disinfection is required.
2. If, after first bacteriological examination, the water in the plumbing system fails to meet prescribed water quality standards, then a second bacteriological examination is to be performed. If, after the second bacteriological examination, the water in the plumbing system meets prescribed water quality standards, then no disinfection is required.
3. If, after the second bacteriological examination, the water in the plumbing system fails to meet prescribed water quality standards, then the system is to be disinfected as described in this section prior to utilization.

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03/01/2024

4101:3-7-01 Sanitary drainage.

Chapter 7 of the International Plumbing Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Modify section 701.1 as follows:

Add a second sentence and an exception to read as follows:

In accordance with section 3781.03 of the Revised Code, the department of the city engineer, in cities having such departments, the boards of health districts, or the sewer purveyor, as appropriate, has complete supervision and regulation of the entire sewerage and drainage system of the jurisdiction, including the *building sewer* and all laterals draining into the street sewers.

Exception: Private sewage disposal systems within the scope of the “Ohio Department of Health” rules contained within Chapter 3701-29 of the Administrative Code, “Household Sewage Disposal Systems”.

(B) Replace section 701.2 with the following:

701.2 Connection to sewer required. Except where permitted by the “Ohio Environmental Protection Agency” or the “Ohio Department of Health”, sanitary drainage piping from plumbing fixtures in buildings and sanitary drainage piping systems from premises is to be connected to a public *sewer*.

Exception: Deleted.

(C) Modify section 701.3 as follows:

Replace the indefinite article “A...” at the beginning of section 701.3 with the phrase “Except as permitted by the “Ohio Environmental Protection Agency” or the “Ohio Department of Health”, every...”

(D) Modify section 701.4 as follows:

Replace the phrase “...unless it has first been rendered innocuous through subjection to an *approved* form of treatment.” with “...without prior approval from the “Ohio Environmental Protection Agency” for the form of treatment and for the location of discharge.”

(E) Replace section 701.5 with the following:

701.5 Damage to drainage system or public sewer. Except where permitted by the “Ohio Environmental Protection Agency”, wastes

detrimental to the public sewer system or to the functioning of the sewage-treatment plant are to be treated and disposed of in accordance with requirements of the local sewer purveyor.

(F) Modify section 701.7 as follows:

Replace the reference to “316” with “106.5 of the building code”.

(G) Replace section 702.3 with the following:

702.3 Building sewer pipe. Deleted.

(H) Replace table 702.3 with the following:

TABLE 702.3 BUILDING SEWER PIPE. Deleted.

(I) Replace section 703 in its entirety with the following:

This section and all subsections are deleted.

(J) Modify section 705.10.2 as follows:

Delete the word “purple” and the phrase “not purple in color” in the first two sentences and replace the phrase “third party certified” in exception #1 with the phrase “*listed by an approved agency*”

(K) Modify section 706.3 as follows:

Add the following sentence as a new paragraph before the exception:
“When a through penetration of an exterior foundation wall assembly occurs, drainage fitting joints are not to occur within that exterior foundation wall assembly.”

(L) Replace section 708.1.2 with the following:

708.1.2 Building sewers. Deleted.

(M) Modify table 709.1 as follows:

In the row titled “Automatic clothes washers, commercial”, change the second and third column values to read “Note a” and change footnote “a” to read “a. Calculate per Section 709.3.”

(N) Add an exception to section 709.3 to read as follows:

Exception: Section 709.3 shall not apply to waste discharge related to Section 301.6.

(N) Modify section 712.2 to add an exception as follows:

Exception: In buildings where the “*Residential Code of Ohio*” applies, only a check valve is required, located on the discharge piping from the sewage pump or ejector.

(OP) ~~Modify~~ Replace section 714.1 as follows with the following:

~~In the first sentence, replace the word “Where” with the phrase “If required by the “Ohio Environmental Protection Agency” or local sewer purveyor, a backwater valve is to be installed only for” and delete the word “are”~~

If required by the “Ohio Environmental Protection Agency” or local sewer purveyor, a backwater valve is to be installed only for plumbing fixtures installed on a floor with a finished floor elevation below the elevation of the manhole cover of the next upstream manhole in the public sewer, such fixtures shall be protected by a backwater valve installed in the building drain, or horizontal branch serving such fixtures. Such fixtures installed on a floor with a finished floor elevation above the elevation of the manhole cover of the next upstream manhole in the public sewer shall not discharge through a backwater valve.

Exception: In existing buildings, fixtures above the elevation of the manhole cover of the next upstream manhole in the public sewer shall not be prohibited from discharging through a backwater valve.

(PQ) ~~Modify~~ section 716 as follows:

Delete the phrase “...UNDERGROUND BUILDING SEWERS AND...” in the title of the section, delete the phrase “...building sewer and...” in sections 716.1 and 716.2, and delete the phrase “...building sewer or ...” in section 716.6.

(QR) ~~Modify~~ section 717 as follows:

(1) Delete the phrase “BUILDING SEWERS AND” in the title of the section.

(2) Delete the phrase “building sewers and” in subsections 717.1 and 717.2.

(3) Replace sections 717.3, 717.3.1, 717.4, 717.5, 717.6, 717.8, 717.10 with the following:

717.3 Preinstallation requirements. Deleted.

717.3.1 Preinstallation recorded video camera survey. Deleted.

717.4 Permitting. Deleted.

717.5 Prohibited applications. Deleted.

717.6 Relining materials. Deleted.

717.8 Post-installation recorded video camera survey. Deleted.

717.10 Approval. Deleted.

(RS) Replace section 718.1 with the following:
718.1 Cure-in-place. Deleted.

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4101:3-15-01 Referenced standards.

Chapter 15 of the International Plumbing Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Add new section 1501.1 to read as follows:

1501.1 General. This chapter lists the standards that are referenced in various sections of the plumbing code. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title. The application of the referenced standards is to be as specified in Section 102.5.

(B) Add new section 1501.2 to read as follows:

1501.2 Referenced codes. When indicated in this code, the following codes refer to provisions in the listed chapters of the administrative code:

Referenced Code	Ohio Administrative Code Chapters
Building Code	4101:1-1 to 4101:1-35
Fire Code	1301:7-1 to 1301:7-7
Mechanical Code	4101:2-1 to 4101:2-15
Ohio Boiler and Pressure Vessel Rules	4101:4-1 to 4101:4-10

(C) Modify Chapter 15 to change the editions or titles of the following referenced standards:**ICC****Standard
Referenced****Title**

A117.1-09

Accessible and Usable Buildings and Facilities
(for alterations and change of occupancy)

A117.1-17

Accessible and Usable Buildings and Facilities
(for new construction and additions)**NFPA**

**Standard
Referenced**

Title

70-23

National Electrical Code (except that section 210.8(F) Exception No. 2 does not expire)

(D) Modify Chapter 15 to ~~delete~~indicate the following referenced standards are not referenced:

Identify as (Not Referenced)

ASTM

**Standard
Referenced**

Title

D1253-14 (Not referenced)

Standard Test Method for Residual Chlorine in Water

E2635-14 (Not referenced)

Standard Practice for Water Conservation Through In-situ Water Reclamation

E2727-18 (Not referenced)

Standard Practice for the Assessment of Rainwater Quality

CSA

**Standard
Referenced**

Title

CSA B805-18/ICC 805-18 (Not referenced)

Rainwater Harvesting Systems

ICC

**Standard
Referenced**

Title

CSA B805-18/ICC 805-18 (Not referenced)

Rainwater Harvesting Systems

IBC – 21 (Not referenced)

International Building Code

IEBC – 21 (Not referenced)

International Existing Building Code

IECC – 21 (Not referenced)

International Energy Conservation Code

IMC – 21 (Not referenced)

International Mechanical Code

IMC – 24 (Not referenced)

International Mechanical Code

IPSDC -21 (Not referenced)

International Private Sewage Disposal Code

IRC – 21 (Not referenced)

International Residential Code

NFPA**Standard
Referenced****Title**

51-18 (Not referenced)

Design and Installation of Oxygen-fuel Gas
Systems for Welding, Cutting and Allied
Processes

55-19 (Not referenced)

Compressed Gases and Cryogenic Fluids
Code**NGWA****Standard
Referenced****Title**NGWA/ANSI 01-14 (Not
referenced)

Water Well Construction Standard

NSF**Standard
Referenced****Title**

NSF 50-17 (Not referenced)

Equipment for Swimming Pools, Spas, Hot
Tubs and Other Recreational Facilities

NSF 350-17a (Not referenced)

Onsite Residential and Commercial Water
Reuse Treatment Systems**(E) Modify Chapter 15 to add the following referenced standards:****IAPMO****Standard
Referenced****Title**

IAPMO/ANSI/CAN Z124.10-22

Water Closets and Urinal Partitions

NFPA**Standard
Referenced****Title**

37-21

Standard for the Installation and Use of
Stationary Combustion Engines and Gas

Turbines

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