

Rule Summary and Fiscal Analysis

Part A - General Questions

Rule Number: 4101:3-7-01

Rule Type: New

Rule Title/Tagline: Sanitary drainage.

Agency Name: Department of Commerce

Division: Board of Building Standards: Ohio Plumbing Code

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I. Rule Summary

1. **Is this a five year rule review?** No
 - A. **What is the rule's five year review date?**
2. **Is this rule the result of recent legislation?** No
3. **What statute is this rule being promulgated under?** 119.03
4. **What statute(s) grant rule writing authority?** 3781.10(A)(1), 4104.43 (A)(1)
5. **What statute(s) does the rule implement or amplify?** 3781.03(D), 3781.10, 3781.11, 3791.04
6. **Does the rule implement a federal law or rule in a manner that is more stringent or burdensome than the federal law or regulation requires?** No
 - A. **If so, what is the citation to the federal law or rule?** Not Applicable
7. **What are the reasons for proposing the rule?**

This rule is proposed to comply with the five-year rule review requirement and to update the Ohio Plumbing Code (OPC) to the 2021 International Plumbing Code (IPC) model code published by ICC. This new rule is being filed to replace a rescinded rule of the same rule number.

8. **Summarize the rule's content, and if this is an amended rule, also summarize the rule's changes.**

This rule prescribes the requirements for the sanitary drainage system and the associated piping.

9. **Does the rule incorporate material by reference? Yes**
10. **If the rule incorporates material by reference and the agency claims the material is exempt pursuant to R.C. 121.75, please explain the basis for the exemption and how an individual can find the referenced material.**

The referenced standards are generally available to the affected parties. The referenced standards can easily be purchased from or may be viewed on websites of the standards making organizations. The affected parties typically would be product manufacturers, design professionals, builders, and contractors. These parties would be expected to already own or have access to the standards in order to conduct their business of manufacturing, testing, designing, and installing the building systems and products.

It was infeasible for the agency to file the text electronically due to copyright issues with the standards making organizations. The standards are generally available.

11. **If revising or re-filing the rule, please indicate the changes made in the revised or re-filed version of the rule.**

Not Applicable

II. Fiscal Analysis

12. **Please estimate the increase / decrease in the agency's revenues or expenditures in the current biennium due to this rule.**

This will have no impact on revenues or expenditures.

\$0.00

This rule addresses building design issues. The requirements of the rule do not fiscally affect the Board of Building Standards, the Department of Commerce, or the state.

13. **What are the estimated costs of compliance for all persons and/or organizations directly affected by the rule?**

Due to the variance in allowed building designs, it is very difficult to ascertain, in dollars, a cost increase or decrease in the design cost of a building as a result of this proposed code update. When a code change proponent submits a petition to the ICC to amend the model code an estimated cost impact of the proposal is included with the proposed change. Some changes result in a cost increase while others actually reduce the cost of construction. The board has carefully evaluated all of these changes and balanced any increases in cost with an added benefit of enhanced life safety to the building occupants or ease of maintenance of required systems. Additional information regarding the cost impact of the entire Plumbing Code can be found in the attached BIA document.

14. **Does the rule increase local government costs? (If yes, you must complete an RSFA Part B). No**
15. **Does the rule regulate environmental protection? (If yes, you must complete an RSFA Part C). No**
16. **If the rule imposes a regulation fee, explain how the fee directly relates to your agency's cost in regulating the individual or business.**

Not Applicable.

III. Common Sense Initiative (CSI) Questions

17. **Was this rule filed with the Common Sense Initiative Office? Yes**
18. **Does this rule have an adverse impact on business? No**
 - A. **Does this rule require a license, permit, or any other prior authorization to engage in or operate a line of business? No**
 - B. **Does this rule impose a criminal penalty, a civil penalty, or another sanction, or create a cause of action, for failure to comply with its terms? No**
 - C. **Does this rule require specific expenditures or the report of information as a condition of compliance? No**
 - D. **Is it likely that the rule will directly reduce the revenue or increase the expenses of the lines of business of which it will apply or applies? No**

IV. Regulatory Restriction Requirements under S.B. 9. Note: This section only applies to agencies described in R.C. 121.95(A).

19. Are you adding a new or removing an existing regulatory restriction as defined in R.C. 121.95? Yes

A. How many new regulatory restrictions do you propose adding to this rule? 0

B. How many existing regulatory restrictions do you propose removing from this rule? 1

See attached inventory list for rules 4101:3-1 to 4101:3-15. Compared to the rescinded rule, of the original 354 inventoried regulatory restrictions, we are eliminating 354 in this rule by incorporating the generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards by reference pursuant to 121.71 to 121.74 of the Revised Code and simplifying the Ohio modification rule language.

C. If you are not removing existing regulatory restrictions from this rule, please list the rule number(s) from which you are removing restrictions.

D. Please justify the adoption of the new regulatory restriction(s).

Not Applicable

RULE NUMBER	REGULATORY RESTRICTION	DESCRIPTION OF REGULATORY RESTRICTION & 2015 International Plumbing Code document link: https://codes.iccsafe.org/content/IPC2015P4	STATUTE UNDER WHICH THE REGULATORY RESTRICTION WAS ADOPTED
4101:3-1-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-1-01	Shall	101.1 Chapters 4101:3-1 to 4101:3-15 of the Administrative Code shall be designated as the "Ohio Plumbing Code" for which the designation "OPC" may be substituted.	3781.10
4101:3-1-01	Shall	101.1 References in these chapters to "this code" or to the "plumbing code" in other sections of the Administrative Code shall mean the "Ohio Plumbing Code".	3781.10
4101:3-1-01	Shall	101.2 The provisions of this code shall apply to the design, installation, maintenance, alteration, repair, relocation, replacement, addition to, use and inspection of plumbing systems within buildings.	3781.10
4101:3-1-01	Shall	101.2 This code shall also apply to those other systems, system components, equipment and appliances specifically addressed herein.	3781.10
4101:3-1-01	Shall	101.4 The application of the referenced standards shall be limited and as prescribed in Section 102.5 of the building code.	3781.10
4101:3-2-01	Shall	8 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-2-01	Must	1 "must" appearing as it does in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-2-01	Require	2 "require" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-2-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-3-01	Shall	141 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-3-01	Must	1 "must" appearing as it does in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-3-01	Require	3 "require" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10

4101:3-3-01	Shall not	17 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-3-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-3-01	Shall	301.3 Each indirectly connected item listed above shall individually discharge to a directly connected floor drain, waste receptor or standpipe.	3781.10, 4104.43
4101:3-3-01	Shall not	305.3 Pipe joints or fitting joints shall not occur within the exterior foundation wall assembly.	3781.10, 4104.43
4101:3-3-01	Shall	309.1 All buildings and structures which have been determined to require flood resistant construction by the local flood plain administrator, as a participant in the "National Flood Insurance Program", shall be constructed as required by the provisions of section 1612 of the building code for approval under the "Regulations for Floodplain Management and Flood Hazard Identification" of the "National Flood Insurance Program" pursuant to "FEMA 44 CFR Parts 59-77" and the authority's "Flood Damage Prevention Ordinance.".	3781.10
4101:3-3-01	Require	309.1 All buildings and structures which have been determined to require flood resistant construction by the local flood plain administrator, as a participant in the "National Flood Insurance Program", shall be constructed as required by the provisions of section 1612 of the building code for approval under the "Regulations for Floodplain Management and Flood Hazard Identification" of the "National Flood Insurance Program" pursuant to "FEMA 44 CFR Parts 59-77" and the authority's "Flood Damage Prevention Ordinance.".	3781.10
4101:3-3-01	Shall	312.1 The owner or owner's representative shall 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.	3781.10, 4104.43
4101:3-3-01	Shall	312.1 In accordance with OBC Section 108.8, reasonable advanced notice shall be given to the building official when the plumbing work is ready for tests.	3781.10, 4104.43
4101:3-3-01	Shall	312.1 The owner or owner's representative shall keep records of the tests and inspections and shall submit such records to the building official upon request.	3781.10, 4104.43
4101:3-3-01	Require	312.1 The building official may require that the tests be conducted in the presence of the building official or certified plumbing inspector.	3781.10, 4104.43
4101:3-3-01	Shall	312.1 The owner or owner's representative shall keep records of the tests and inspections and shall submit such records to the building official upon request.	3781.10, 4104.43

4101:3-3-01	Shall	312.1.1 New plumbing systems and parts of existing systems that have been altered, extended, or repaired shall be tested as prescribed herein to disclose leaks and defects, except that testing is not required in the following cases:	3781.10, 4104.43
4101:3-3-01	Shall	312.1.2 Equipment, material, power and labor necessary for testing a plumbing system or part thereof shall be furnished by the owner or the owner's representative.	3781.10, 4104.43
4101:3-3-01	Shall	312.1.2 Required tests shall be conducted by and at the expense of the owner or the owner's representative.	3781.10, 4104.43
4101:3-3-01	Shall	312.1.3 Gauges used for testing shall be as follows:	3781.10, 4104.43
4101:3-3-01	Shall	312.1.3 (1) Tests requiring a pressure of 10 pounds per square inch (psi) (69 kPa) or less shall utilize a testing gauge having increments of 0.10 psi (0.69 kPa) or less.	3781.10, 4104.43
4101:3-3-01	Shall	312.1.3(2) Tests requiring a pressure of greater than 10 psi (69 kPa) but less than or equal to 100 psi (689 kPa) shall utilize a testing gauge having increments of 1 psi (6.9 kPa) or less.	3781.10, 4104.43
4101:3-3-01	Shall	312.1.3(3) Tests requiring a pressure of greater than 100 psi (689 kPa) shall utilize a testing gauge having increments of 2 psi (14 kPa) or less.	3781.10, 4104.43
4101:3-3-01	Shall	312.1.4 All plumbing system piping, fittings, and shower liners shall be tested with water.	3781.10, 4104.43
4101:3-3-01	Shall	312.1.5 Where any work or installation does not pass any initial test or inspection, the necessary corrections shall be made to comply with this code.	3781.10, 4104.43
4101:3-3-01	Shall	312.2 Drainage and vent piping and fittings shall 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:	3781.10, 4104.43
4101:3-3-01	Shall	312.2.2 Testing shall be done with dual pressure relief valves rated for 7.5 psig.	3781.10, 4104.43
4101:3-3-01	Shall	312.4.1 All plumbing fixtures shall be operated and a visual inspection of accessible piping and joints shall be performed to determine that there are no visible leaks.	3781.10, 4104.43
4101:3-3-01	Shall	312.4.2 The final test of the completed drainage and vent systems shall be made, after the fixtures are connected, as follows:	3781.10, 4104.43
4101:3-3-01	Shall	312.4.2(2) A manometer tube shall be placed through a trap seal to the system side and water shall 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.	3781.10, 4104.43
4101:3-3-01	Shall	312.4.2(2) A manometer tube shall be placed through a trap seal to the system side and water shall 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.	3781.10, 4104.43
4101:3-3-01	Shall	312.4.2(4) The system shall then be separated at a trap seal, AAV, or other means as directed by the plumbing inspector for verification that the entire system is interconnected.	3781.10, 4104.43

4101:3-3-01	May not	312.4.3 Except as provided for in Section 312.4.2, compressed or stored air may not be used unless otherwise permitted by the manufacturer of piping, fittings, and solvent cement (if part of the plumbing system).	3781.10, 4104.43
4101:3-3-01	Shall	312.5.1 A water pressure test at not less than the working pressure under which the system is to be used shall be performed to prove the system watertight.	3781.10, 4104.43
4101:3-3-01	Shall	312.5.1 This pressure shall be held for at least 15 minutes.	3781.10, 4104.43
4101:3-3-01	Shall	312.5.1 The water utilized for tests shall be obtained from a potable source of supply.	3781.10, 4104.43
4101:3-3-01	Shall	312.5.2 When permitted by the manufacturer of the piping, fittings, and solvent cement (if part of the plumbing system), an air test of not less than 50 psi (344 kPa) shall be performed to prove the system airtight.	3781.10, 4104.43
4101:3-3-01	Shall	312.10 Inspection and testing requirements for containment backflow prevention devices required by the water supplier shall be in accordance with rule 3745-95-06 of the Administrative Code and enforced by the water supplier.	3781.10, 4104.43
4101:3-3-01	Shall	312.10.1 The owner shall maintain all backflow prevention assemblies and air gaps in good working condition.	3781.10, 4104.43
4101:3-3-01	Shall	312.12 No part of any plumbing or drainage system shall be covered until it has been inspected, tested, and approved, except as provided in this section.	3781.10, 4104.43
4101:3-3-01	Shall	317.2 Each manufacturer or contractor of metallic building services piping systems is responsible for the welding and brazing done by his company or organization and shall specify and certify, in writing, a welding or brazing procedure that provides specific direction to the welder or brazer and complies with section IX of the ASME Boiler and Pressure Vessel Code.	3781.10, 4104.44
4101:3-3-01	Shall	317.3 Each manufacturer or contractor is responsible for getting each procedure described in section 317.2 qualified by an independent testing laboratory that has, on staff, a welding inspector certified by the "American Welding Society (AWS)."	3781.10, 4104.44
4101:3-3-01	Shall	317.3 The manufacturer or contractor shall certify on the record that the tests were conducted in accordance with section IX of the ASME Boiler and Pressure Vessel Code.	3781.10, 4104.44
4101:3-3-01	Shall	317.4 Each welder and brazer that performs a welding or brazing procedure as described in section 317.2 shall be tested and qualified on that procedure as required in section IX of the ASME Boiler and Pressure Vessel Code.	3781.10, 4104.44

4101:3-3-01	Shall	317.4 The manufacturer or contractor, shall certify on the performance qualification record that the welder or brazer prepared and welded or brazed the test coupons in accordance with section IX and that the test coupons were tested by an independent testing laboratory that has, on staff, a welding inspector certified by the "American Welding Society (AWS)."	3781.10, 4104.44
4101:3-3-01	Shall	317.5 Each manufacturer or contractor of metallic building services piping systems referenced by this code who causes welding or brazing to be performed shall file with the superintendent of the division of industrial compliance in the department of commerce, or the superintendent's designee, certified copies of the welding and brazing procedure specifications, the procedure qualification records, and the welder and brazer performance qualifications of the welders and brazers used in the proposed construction of a new or altered piping system.	3781.10, 4104.44
4101:3-3-01	Shall	317.5: The required documentation shall be submitted in accordance with rules adopted by the superintendent.	3781.10, 4104.44
4101:3-4-01	Shall	282 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-4-01	Require	2 "require" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-4-01	Shall not	36 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-4-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-4-01	Shall	403.1 This alternate basis shall be included in the special stipulations and conditions section of the certificate of occupancy issued for that structure pursuant to section 110 of the building code.	3781.10
4101:3-4-01	Shall not	Table 403.1.1 footnote g In each bathroom or toilet room, urinals shall not be substituted for more than 67 percent of the required water closets in assembly and educational occupancies.	3781.10
4101:3-4-01	Shall not	Table 403.1.1 footnote g Urinals shall not be substituted for more than 50 percent of the required water closets in all other occupancies.	3781.10
4101:3-4-01	Shall	403.1.2 The plumbing fixtures located in single-user toilet facilities and bathing rooms, including family or assisted-use toilet and bathing rooms that are required by Section 1109.2.1 of the building code shall contribute towards the total number of required plumbing fixtures for a building or tenant space.	3781.10

4101:3-4-01	Shall	403.1.2 Single-user toilet facilities and bathing rooms, and family or assisted-use toilet and bathing rooms shall be identified for use by either sex.	3781.10
4101:3-4-01	Shall not	403.2 Exception 4 Separate facilities shall not be required in business occupancies in which the maximum occupant load is 25 or fewer.	3781.10
4101:3-4-01	Shall	403.3.1 Where such access is controlled, a sign shall be posted indicating how access is to be obtained.	3781.10
4101:3-4-01	Shall	404.1 The provisions of "Chapter 11, Accessibility" of the building code shall control the design and construction of facilities for accessibility to physically disabled persons.	3781.10, 3781.111
4101:3-4-01	Shall not	410.4 In other occupancies, where water dispensers are provided, drinking fountains shall not be required.	3781.10
4101:3-5-01	Shall	50 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-5-01	Shall not	7 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-5-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-5-01	Shall	501.1 Exception Water heaters shall 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:.	3781.10, 4104.02
4101:3-6-01	Shall	398 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-6-01	Require	3 "require" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-6-01	Shall not	37 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-6-01	Prohibit	1 "prohibit" appearing as it does in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-6-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10

4101:3-6-01	Shall not	601.1 Exception 1 This chapter shall not apply 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".	3781.10, 3701.344
4101:3-6-01	Shall not	601.1 Exception 2 This chapter shall not apply 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".	3781.10, 6109.01
4101:3-6-01	Shall	605.2 Pipe, pipe fittings, joints, valves, faucets, and fixture fittings utilized to supply water for drinking or cooking purposes shall comply with NSF 372 and shall have a weighted average lead content of 0.25 percent lead or less.	3781.10, 4104.43
4101:3-6-01	Shall	605.2 Pipe, pipe fittings, joints, valves, faucets, and fixture fittings utilized to supply water for drinking or cooking purposes shall comply with NSF 372 and shall have a weighted average lead content of 0.25 percent lead or less.	3781.10, 4104.43
4101:3-6-01	Shall	607.2.1 Automatic circulating hot water system pumps or heat trace shall be arranged to be conveniently turned off, automatically or manually, when the hot water system is not in operation.	3781.10
4101:3-7-01	Shall	322 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-7-01	Require	1 "require" appearing as it does in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-7-01	Shall not	26 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-7-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-7-01	Shall	701.1 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, shall have 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.	3781.03
4101:3-7-01	Shall not	706.3 When a through penetration of an exterior foundation wall assembly occurs, drainage fitting joints shall not occur within that exterior foundation wall assembly.	3781.10, 4104.43

4101:3-7-01	Shall	712.2 Exception: In buildings where the "Residential Code of Ohio" applies, only a check valve shall be required, located on the discharge piping from the sewage pump or ejector.	3781.10, 4104.43
4101:3-7-01	Shall	715.1 If required by the "Ohio Environmental Protection Agency" or local sewer purveyor, a backwater valve shall 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.	3781.10
4101:3-8-01	Shall	38 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-8-01	Require	1 "require" appearing as it does in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-8-01	Shall not	6 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-8-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-9-01	Shall	201 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-9-01	Shall not	27 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-9-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-10-01	Shall	71 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-10-01	Require	2 "require" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-10-01	Shall not	17 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-10-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10

4101:3-10-01	Shall	1003.1.1 Wastes from industrial processes, meat packing and food processing facilities and similar processing plants shall be drained in accordance with the rules of the "Ohio Environmental Protection Agency", or the authority in charge of the sewerage system into which the wastes are to be discharged. (See sections 6111.44 and 6111.45 of the Revised Code.)	3781.10, 6111.44, 6111.45
4101:3-11-01	Shall	67 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-11-01	Shall not	16 "shall not" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-11-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-12-01	Shall	4 "shall" throughout the rule appearing as they do in the original model code document (generally accepted commercial building, fire, plumbing, mechanical, electrical, safety or other codes and standards)	3781.10
4101:3-12-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-12-01	Shall	1202.2 Plan review and inspection of nonflammable medical gas and vacuum systems shall be performed by one of the following:	3781.10, 4104.43
4101:3-12-01	Shall	1202.2 (3) 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 shall be done by the division of industrial compliance in the department of commerce.	4104.43
4101:3-13-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-14-01	Shall	Comment The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.	3781.10
4101:3-15-01	Shall	1501.1 General. This chapter lists the codes and standards that are referenced in various sections of this document. The standards are listed herein by the pro-mulgating agency of the standard, the standard identification, the effective date and the title. The application of the referenced standards shall be as specified in Section 102.5 of the building code.	3781.10