

**ARTICLE 62-03.1
PLUMBING INSTALLATION STANDARDS**

Chapter	
62-03.1-01	Administration
62-03.1-02	General Regulations
62-03.1-03	Private Sewage Disposal Systems

**CHAPTER 62-03.1-01
ADMINISTRATION**

Section	
62-03.1-01-01	Conformance With Uniform <u>the North Dakota</u> Plumbing Code -
62-03.1-01-02	Exceptions General Statement of Policy
62-03.1-01-03	Interpretive Rules [Repealed]
62-03.1-01-04	Administrative Powers and Duties
62-03.1-01-05	Application for Plumbing Installation Certificate

**62-03.1-01-01. Conformance with ~~Uniform~~ the North Dakota
Plumbing Code-~~Exceptions.~~**

1. State plumbing code defined. The board adopts, as the state plumbing code, the ~~2009~~ 2018 edition of the Uniform Plumbing Code published by the International Association of Plumbing and Mechanical Officials (IAPMO), to be known as the 2018 North Dakota Plumbing Code, including chapters 1, 2, 3, 4, 6, 7, 8, 9, 10, 11 and 17 and appendices A, B, C, D, E, I, and LM, published by the international association of plumbing and mechanical officials, with the exceptions and modifications described in section 62-03.1-02-02 and chapter 62-03.1-03.
2. All plumbing as defined in North Dakota Century Code section 43-18-01, including materials, must meet or exceed the minimum provisions of this article and the ~~Uniform~~ North Dakota Plumbing Code.

History: Effective March 1, 2000; amended effective April 1, 2010; amended January 1, 2020.

General Authority: NDCC 43-18-09

Law Implemented: NDCC 43-18-09

62-03.1-01-02. General statement of policy. The scope of this code excludes the development of specific standards related to any, all, or any combination of the composition, dimensions, or mechanical and physical properties of materials, fixtures, devices, and equipment used or installed in plumbing systems. The inclusion of a material, even though indicated as approved for purposes of the code, does not infer unqualified endorsement as to its selection of serviceability in any or every installation. The establishment of trade jurisdictional areas is not within the scope of this code.

History: Effective March 1, 2000.

General Authority: NDCC 43-18-09

Law Implemented: NDCC 43-18-09

62-03.1-01-03. Interpretive rules. Repealed effective April 1, 2010.

62-03.1-01-04. Administrative powers and duties. The secretary-chief inspector and other inspectors of the North Dakota state plumbing board, under the direction of the board, shall administer laws, rules, plumbing installation standards of this state, and the ~~Uniform North Dakota~~ Plumbing Code. In all cases when any action is taken by the secretary-chief inspector or inspectors of the board to enforce the provisions of any sections contained in this article or the ~~Uniform North Dakota~~ Plumbing Code, such acts must be done in the name of and on behalf of the state.

History: Effective March 1, 2000; amended effective January 1, 2020.

General Authority: NDCC 43-18-09 **Law Implemented:** NDCC 43-18-09

62-03.1-01-05. Application for plumbing installation certificate. Any plumbing installation requiring inspection must have a plumbing installation certificate properly executed by the master or journeyman plumber in charge of the installation. The board shall have ~~on hand a supply of~~ paper or electronic certificates for ~~distribution to~~ the person in charge of the installation.

1. Inspection fees for each certificate issued must be according to the schedule of fees shown on the plumbing installation certificate. If work has commenced prior to submittal of the certificate and proper fees, the fee will be double or actual cost incurred to investigate, whichever is less. Requested inspection, reinspection, or inspection for which no fee is specifically indicated must be charged at fifty dollars per hour, plus travel expense.
2. ~~The~~ Paper certificates must be signed by the applicant and the original returned to the board along with the proper fees prior to commencement of work. The duplicate copy must be retained by the plumbing contractor and the triplicate copy must be submitted to the building owner. Electronic certificates are processed online. The issuing certificate fee must be charged for each certificate that must be reissued.

History: Effective March 1, 2000; amended effective April 1, 2010.; ~~amended effective January 1, 2020~~

General Authority: NDCC 43-18-08

Law Implemented: NDCC 43-18-17.2, 43-18-17.3

**CHAPTER 62-03.1-02
GENERAL REGULATIONS**

Section

62-03.1-02-01

Conformance With Other Regulations

62-03.1-02-02

Uniform Plumbing Code - Exceptions and Modifications [Repealed]

62-03.1-02-01. Conformance with other regulations. Nothing in this article may be construed to prevent the application of local ordinances or other legal requirements.

History: Effective March 1, 2000;
amended effective January 1, 2020.

General Authority: NDCC 43-18-09

Law Implemented: NDCC 43-18-09

62-03.1-02-02. Uniform Plumbing Code- Exceptions and modifications. Repealed effective January 1, 2020. The following chapters and appendices of the Uniform Plumbing Code are modified as follows:

- ~~1. **Administration.** Add to 101.5.6 the words "or within" after the word "into". The following subsections do not apply: 103.1 through 103.4; 103.5.1.2, 103.5.3.1, 103.5.6, and table 1-1.~~
- ~~2. **Definitions.** Add to 211.0: "Inspection report" means a notice, written by a plumbing inspector to the person responsible for the plumbing installation, describing work inspected and stating violations and noncompliance of rules and regulations as listed, which must be corrected within a designated time.~~

~~Add to 218.0: "Plumbing installation certificate" means a document consisting of one or more copies certifying that certain plumbing installations, plumbing fixtures, plumbing appliances, and other appurtenances were installed in conformity with the rules and regulations of the plumbing board. "Permit" as used in the Uniform Plumbing Code has the same meaning as plumbing installation certificate.~~

~~"Plumbing" add to definition: Maintenance does not include making repairs to faucets, valves, appliances, and fixtures, or removal of stoppages in waste or drainage pipes. See also North Dakota Century Code section 43-18-01.~~

~~"Plumbing system": Not included in this definition are medical gas and medical vacuum systems, liquid and fuel gas piping, and vents for water heaters.~~

- ~~3. **General regulations.** Add to 313.2: When a water heater is located in an attic, attic-ceiling assembly, floor-ceiling assembly, or floor-subfloor assembly where damage results from a leaking water heater, a~~

~~watertight pan of corrosion-resistant materials shall be installed beneath the water heater with not less than three-quarters of an inch [19.05 millimeters] diameter drain to an approved location. Add to 313.6: Water service piping must be installed with a minimum earth cover of seven feet [2.13 meters]. Minimum earth cover for building sewers must be four feet [1.22 meters].~~

~~Subsection 313.12.4 does not apply.~~

- ~~4. **Plumbing fixtures and fixture fittings.** Add to 402.4: Mixing type hand-closing faucets may be installed on lavatories for public use. Lavatories must have waste outlets not less than one and one-fourth inches [31.75 millimeters] in diameter, with open strainers.~~

~~Add to 405.2: Urinals with nonintegral traps shall be prohibited.~~

~~Add to 408.1: Water closets in private rooms of hotels, motels, dormitories, and boarding houses must be of the elongated bowl type.~~

~~Delete table 4-1 from 412.1 and add table 2902.1 of the most recently state-adopted International Building Code, with the following modifications: References on table 2902.1 to sections of the International Building Code and International Plumbing Code do not apply.~~

~~Add to Note a: Types of occupancies not shown on this table shall be considered individually by the administrative authority. The occupant load shall be composed of fifty percent of each sex.~~

~~Add the following notes:~~

~~Drinking fountains. There shall be a minimum of one drinking fountain per occupied floor in schools, theaters, auditoriums, dormitories, and businesses. Where food is consumed indoors, water stations may be substituted for drinking fountains. Where bottled water coolers are provided, drinking fountains shall not be required. Drinking fountains shall not be required in occupancies with less than thirty persons. Drinking fountains shall not be installed in toilet rooms.~~

~~Urinals. The provision of urinals may offset water closets otherwise required but the number of water closets required may not be reduced in this manner by more than fifty percent. Walls and floors within two feet [609.6 millimeters] of the sides and front of urinals must be finished with a smooth, hard, nonabsorbent finish.~~

~~Lavatories. Where circular or similar handwashing appliances are provided, twenty-four lineal inches [609.6 millimeters] of wash sink or eighteen inches [457.2 millimeters] of a circular basin, when provided~~

~~with water outlets for such space, shall be considered equivalent to one lavatory.~~

~~Restaurant. For the purpose of this table, a restaurant is defined as a business that sells food to be consumed on premises. The number of occupants for a drive in restaurant shall be considered as equal to the number of parking stalls. A hand sink is required to be available to employees in a restaurant or other food preparation occupancy.~~

~~Toilet Facilities. Every dwelling unit shall be provided with a water closet, lavatory and a bathtub or shower.~~

~~Kitchen. Each dwelling unit shall be provided with a kitchen area and every kitchen area shall be provided with a sink.~~

~~Sewage Disposal. All plumbing fixtures shall be connected to a sanitary sewer or to an approved private sewage disposal system.~~

~~Water supply to fixtures. All plumbing fixtures shall be connected to an approved water supply. Kitchen sinks, lavatories, bathtubs, showers, bidets, laundry tubs and washing machine outlets shall be provided with hot and cold water.~~

~~Subsection 414.5 does not apply.~~

~~5. **Water heaters.** Does not apply.~~

~~6. **Water supply and distribution.** Add to 602.4. Every building intended for human habitation, occupancy, or use, and located on premises where public water is available, must be connected to such public water. Public water is considered available if located within two hundred feet [60.96 meters] from any proposed building required to have potable water located on any lot or premises which abuts and is served by public water.~~

~~Delete from 604.2 exception: or underground outside of structures.~~

~~Delete from 604.8 exception: Plastic materials for water service piping outside underground shall have a blue insulated copper tracer wire or other approved conductor installed adjacent to the piping. Access shall be provided to the tracer wire or the tracer wire shall terminate aboveground at each end of the nonmetallic piping. The tracer wire size shall be not less than eighteen AWG and the insulation type shall be suitable for direct burial.~~

~~Add to 604.10: new heading "Lead Content"; also add additional sentence to the end of the paragraph: Effective January 4, 2014, the maximum allowable lead content shall not exceed a weighted average of zero point two five (0.25) percent with respect to wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures used to convey or dispense water for human consumption.~~

~~Add to 605.2: Each building water supply shall be provided with a fullway valve installed on the inlet side of each water meter. Valves up to and including two inches [50.8 millimeters] in size must be a ball valve.~~

~~Add to 605.3: Wall hydrants must be separately controlled by an accessible valve inside the building.~~

- ~~7. **Sanitary drainage.** Add to 705.1.6. For aboveground installations an approved shielded coupling must be used to prevent outward expansion.~~

~~Delete from 712.1: Except that plastic pipe shall not be tested with air. Add to table 7-1, under reference standards column for PVC, SDR 35 ASTM 3034 or heavier. Note 1.~~

~~Delete from 723.0: Plastic drainage waste and vent (DWV) piping systems shall not be tested by the air test method.~~

- ~~8. **Indirect wastes.** Add to 807.4 or the discharge line from the dishwasher may be looped up and securely fastened to the underside of the counter.~~

- ~~9. **Vents.** Subsections 908.2.1, 908.2.2, and 908.2.3 do not apply: Replace 908.2.1 with an individually vented lavatory in a single bathroom or single toilet room shall be permitted to serve as the wet vent for one water closet and one bathtub or shower stall, or one water closet and one bathtub and shower combination if all of the following conditions are met:~~

~~a. The wet vent, and the dry vent extending from the wet vent, shall be two inches [50.8 millimeters] minimum pipe size.~~

~~b. The wet vent pipe opening shall not be below the weir of the trap that it serves. Vent sizing, grades, and connections shall comply with sections 904.0 and 905.0.~~

~~c. The horizontal branch drain serving both the lavatory and the bathtub or shower stall shall be two inches [50.8 millimeters] minimum pipe size.~~

~~d. The length of the trap arm from the bathtub or shower stall complies with the limits in table 10-1.~~

- e. ~~The distance from the outlet of the water closet to the connection of the wet vent complies with the limits in table 10-1.~~
- f. ~~The horizontal branch drain serving the lavatory and the bathtub or shower stall shall connect to the horizontal water closet branch above its centerline. When the bathroom or toilet room is the topmost load on a stack, the horizontal branch serving the lavatory and the bathtub or shower stall shall be permitted to connect to the stack below the water closet branch.~~
- g. ~~No fixture other than those listed in L 6.2.1 shall discharge through a single bathroom or single toilet room wet-vented system.~~

~~Replace 908.2.2 with: Double Bathtubs, Bathtub and Shower Combinations, Shower Stalls, and Lavatories.~~

~~Two lavatories, each rated at 1.0 drainage fixture unit, and two bathtubs, bathtub and shower combinations or shower stalls, installed in adjacent bathrooms, shall be permitted to drain to a horizontal drain branch that is two inches [50.8 millimeters] minimum pipe size, with a common vent for the lavatories and no individual vents for the bathtubs, bathtub and shower combinations or shower stalls, provided that the wet vent from the lavatories and their dry vent is two inches [50.8 millimeters] minimum pipe size and the length of all trap arms comply with the limits in table 10-1.~~

~~Add to 909.0. A combination waste and vent system may also be used for island sinks. The vertical waste pipe must be the same size as required for the combination waste and vent. The fixture trap size must be as required by chapter 7.~~

~~Subsection 910.2 does not apply.~~

- 10. ~~**Traps and interceptors.** No change.~~
- 11. ~~**Storm drainage.** No change.~~
- 12. ~~**Fuel piping.** Does not apply.~~
- 13. ~~**Health care facilities and medical gas and vacuum systems.** Does not apply.~~
- 14. ~~**Referenced standards.** No change.~~
- 15. ~~**Firestop protection.** Does not apply.~~
- 16. ~~**Nonpotable water reuse systems.** No change.~~

- ~~17. **Appendix E, manufactured or mobile home parks and recreational vehicle parks.** Add to E1.0 water and sewer connections under the manufactured home may be made by individuals certified by the North Dakota department of commerce in accordance with the North Dakota manufactured home installation guidelines.~~

~~Part D does not apply.~~

- ~~18. **Appendix L.** Delete from L8.1 circuit venting shall be designed by a registered professional engineer as an engineered design.~~

History: Effective March 1, 2000; amended effective March 1, 2002; April 1, 2010; January 1, 2015; July 1, 2015; repealed January 1, 2020.

General Authority: NDCC 43-18-09

Law Implemented: NDCC 43-18-09