

TITLE 4
BUILDING REGULATIONS

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CHAPTER 4-01
GENERAL PROVISIONS

4-01-01. Enforcement; Right of Entry. It is the duty of the fire chief, the director of public health or the building official or their agent to enforce the provisions of this title.

The fire chief, the director of public health or building official or their agent has the authority to enter any building or upon any premises within the city's jurisdictional limit which is covered by the provisions of this title to inspect for compliance. The inspections shall be conducted during regular business hours or at any other reasonable time.

(Ord. 5707, 02-24-09, Ord. 6156, 10-13-15)

4-01-02. Administrative Search Warrant. Whenever the fire chief, the director of public health or the building official or their agent is denied access to a building to inspect for compliance with this title, he/she may secure an administrative search warrant from the municipal judge in accordance with Chapter 29-29.1, N.D.C.C.

(Ord. 4452; 07-21-92; Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-01-03. Notice and Order. Whenever a violation of this title is found the fire chief, the director of public health or the building official or their agent shall give written notification to the owner, and the person in charge of the work that a violation has occurred and order the violation abated and the work brought back into compliance with this title. A reasonable time must be allowed for compliance.

(Ord. 4452; 07-21-92; Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-01-04. Appeal and Emergency. All decisions of the fire chief, the director of public health or the building official dealing with violations of this title or the issuance or non-issuance of the licenses or permits required by this title are subject to appeal to the Board of City Commissioners upon written notice of appeal filed within 15 days of issuance of the decision. If no appeal is filed within the time period specified, the decision of the fire chief, the director of public health or the building official is final. An appeal stays the decision issued unless the fire chief, the director of public health or the building official certifies to the board that a stay would cause imminent danger to life and property in which case the decision may be stayed only by a restraining order from the board or a court of record.

(Ord. 5672, 07-22-08; Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-01-05. Hearing. Upon receiving the notice of appeal the board shall set a date for a hearing within fifteen days of receipt of the notice of appeal. Notice of the time and place for the hearing must be served upon the appellee by certified mail or in person not less than five days prior to the hearing.

4-01-06. Violation - Penalty. Any person who fails to comply with a final or un-stayed decision of the fire chief, the director of public health or the building official or a decision of the board after a hearing is guilty of an ordinance violation and subject to the provisions of Chapter 1-02. Each day the violation continues constitutes a separate offense.

(Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-01-07. Abatement. The imposition of a penalty provided by the provisions of this title shall not preclude the city from instituting proceedings to restrain, correct or abate a continuing violation of this title. If within ten days of a final order that order has not been obeyed, the fire chief, the director of public health or the building official is hereby authorized to restrain, correct or abate the violation and have the costs incurred assessed against the property.

(Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-01-08. Permits.

1. It is unlawful to do any work covered by this title for which a permit is required without first obtaining a permit.

2. Nothing in this chapter shall be construed to prohibit emergency repairs at times when it is not practical or possible to obtain a permit. When emergency work is done an application for a permit must be submitted within 24 hours of completion, exclusive of weekends and holidays.

3. The issuance or granting of a permit or approval of plans and or specifications shall not be deemed or construed to be a permit for, or an approval of, any violation of this title. The issuance of a permit upon plan and specifications shall not prevent the fire chief, the director or public health or the building official from thereafter requiring the correction of errors in the plans and specifications, or from preventing building operations being carried on thereunder when in violation of this title or any other provision of this code or ordinance of the city.

(Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-01-09. Liability. In no event shall the city assume any liability for personal injury or property damage caused by any defect in work that was inspected and approved, done under a permit, or approved plans pursuant to the provisions of this title.

4-01-10. Definitions. Whenever the word "municipality" or the word "city" is used in any code adopted pursuant to this title, it means the City of Bismarck, North Dakota. Whenever the term Authority Having Jurisdiction (AHJ) is used in the adopted codes and their Referenced Standards pursuant to Title 4-02-02 it shall mean the building official. Whenever the term Authority Having Jurisdiction (AHJ) is used in the adopted

International Fire Code and its Referenced Standards pursuant to Title 4-07-01 it shall mean the fire chief.

Whenever the words "corporate counsel" or "city attorney" are used in any code adopted pursuant to this title, it means the city attorney of the City of Bismarck, North Dakota.

(Ord. 5707, 02-24-09)

CHAPTER 4-02 BUILDING CODES

4-02-01. Building Permits. Building permits must be issued in accordance with the City of Bismarck Building Code, except that a permit for the erection of any new building may not be issued unless the building is to be located in a platted subdivision of the city.

(Ord. 5316, 05-25-04)

4-02-02. Adoption of the City of Bismarck Building Code. There is hereby adopted by the City of Bismarck and incorporated by reference herein the City of Bismarck Building Code which shall consist of the following codes, except those portions hereinafter deleted, modified or amended; (appendix chapters are not adopted unless specified):

2021 International Building Code (IBC)

2021 International Residential Code (IRC) (including appendix AJ)

2021 International Mechanical Code (IMC)

2021 International Fuel Gas Code (IFGC)

2021 International Energy Conservation Code (IECC)

2021 International Existing Building Code (IEBC)

Wiring Standards of North Dakota

North Dakota State Plumbing Code

(Ord. 4281, 8-23-89; Ord. 4452, 07-21-92; Ord. 4688, 05-23-95; Ord. 4911, 05-26-98; Ord. 5025, 01-11-00; Ord. 5316, 05-25-04; Ord. 5578, 02-26-08; Ord. 5802, 02-22-11; Ord. 6035, 04-08-14; Ord. 6243, 1-24-17; Ord. 6403, 02-17-20, Ord. 6544, 03-27-23)

4-02-03. Subsequent Editions. Subsequent editions or revisions of the codes adopted by Section 4-02-02 shall be considered adopted and in full force and effect within the city upon the adoption thereof by the State of North Dakota and/or the City of Bismarck and the filing of one copy thereof in the office of the City Administrator.

(Ord. 4688, 05-23-95; Ord. 5316, 05-25-04)

4-02-04. Conflicts. In the event of any conflict between the provisions of the code adopted by this chapter and applicable provisions of state law or city ordinances, rules or regulations, the provisions of state law, city ordinances or rules and regulations

shall prevail and be controlling. When the provisions of this chapter conflict with the zoning regulations, the zoning regulations shall prevail.

4-02-05. Permit Fees. The fee for any permit required under this Title 4 shall be as determined from time to time by the Board of City Commissioners, shall be kept on file in the office of the Building Official and the office of the City Administrator, and posted on the City's web-site, and must be paid before the issuance of any permit.
(Ord. 5316, 05-25-04; Ord. 5736, 08-11-09; Ord. 5802, 02-22-11)

4-02-06. Amendments to the Codes. The codes adopted in Section 4-02-02 are hereby amended as follows:

1. General: Whenever reference is made to the National Electrical Code (NEC) it shall mean the Wiring Standards of North Dakota. Whenever reference is made to the International Plumbing Code (IPC) or the International Private Sewage Disposal Code (IPSDC) it shall mean the North Dakota State Plumbing Code. Whenever reference is made to flood hazard areas or flood-resistant construction requirements, the City of Bismarck Ordinance, Title 14, Chapter 14-04, Floodplain District regulations shall apply.

Whenever any work for which a permit is required has been commenced without first obtaining said permit the fee for said permit shall be double the normal fee.

2. 2021 International Building Code (IBC):

Section 101.1 Title. Amend: NAME OF JURISDICTION to The City of Bismarck)

Section 101.4.3 Plumbing. Amend to read: Section 101.4.3 The provisions of the North Dakota State Plumbing Code shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system. The provisions of the North Dakota State Plumbing Code shall apply to private sewage disposal systems.

Section 103 CODE COMPLIANCE AGENCY. Delete:

Section 104.8 Liability. Add: This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

Section 105.2 Work exempt from permit. Building: Amend items 2, 4, 6, 11 and 12 to read:

2. Fences not over 8.5 feet high.

4. Retaining walls.
6. Sidewalks and driveways.
11. Swings and other playground equipment.
12. Window awnings

Section 105.2 Work exempt from permit. Building: Add item 14:

14. Reroofing.

Section 107.3.1 Approval of construction documents. Amend to read: When the Building Official issues a permit, the construction documents shall be approved. One set of construction drawings so reviewed shall be retained by the Building Official.

Section 109.2 Schedule of permit fees. Amend to read: On buildings, structures, electrical, gas, mechanical, and plumbing systems or alterations requiring a permit, a fee for each permit and plan review shall be paid as required, in accordance with the schedule as established by the local jurisdiction. The plan review fees specified in this subsection are separate from, and in addition to, permit fees.

Section 110.3.2 Concrete slab and under-floor inspection. Delete:

Section 110.3.3 Lowest floor elevation. Delete:

Section 110.3.9 Energy efficiency inspections. Amend to read: Inspections shall be made to determine compliance with Chapter 13 and shall include, but not be limited to, inspections for: building thermal envelope insulation R- and U-values, fenestration U-value, and duct system R-value.

Section 110.3.7 Weather-exposed balcony and walking surface waterproofing. Delete:

Section 110.3.10 Other inspections. Amend to read: In addition to the inspections specified in Sections 110.3.1 through 110.3.9, the building official is authorized to make or require other inspections of any construction work to ascertain compliance with the provisions of this code.

Section 111.1: Add: Occupying or permitting occupancy of any building or structure prior to the issuance of a Certificate of Occupancy shall constitute an infraction under the provisions of the Code of Ordinances of the City of Bismarck.

Section 111.2 Certificate issued. Amend to read: After the building official inspects the building or structure and does not find violations

of the provisions of this code or other laws that are enforced by the department, the building official shall issue a certificate of occupancy.

Section 113 Means of Appeals: Delete.

Section 201.3 Terms defined in other codes. Amend to read: Terms defined in other codes. Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Wherever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

Section 305.2 Group E, day care facilities. Amend to read: Group E Day care facilities. This group includes buildings and structures or portions thereof occupied by more than twelve children older than 2½ years of age who receive educational supervision or personal care services for fewer than 24 hours per day.

Section 305.2.2 Twelve or fewer children. Amend to read: Twelve or fewer children. A facility having twelve or fewer children receiving such day care shall be classified as part of the primary occupancy.

Section 305.2.3 Twelve or fewer children in a dwelling unit. Amend to read: A facility such as above within a dwelling unit and having twelve or fewer children receiving such day care shall be classified as a Group R-3 occupancy or shall comply with the Residential Code.

Section 308.5 Institutional Group I-4, day care facilities. Amend to read: Institutional Group I-4 occupancy shall include buildings and structures occupied by more than twelve persons of any age who receive custodial care for fewer than 24 hours per day by persons other than parents or guardians, relatives by blood, marriage or adoption, and in a place other than the home of the person cared for. This group shall include, but not be limited to, the following:

- Adult day care
- Child day care

Section 308.5.1 Classification as Group E. Amend to read: A child day care facility that provides care for more than twelve but not more than 100 children 2 ½ years of age, where the rooms in which children are cared for are located on a level of exit discharge serving such rooms and each of these child care rooms has an exit door directly to the exterior, shall be classified as Group E.

Section 308.5.3 Twelve or fewer persons receiving care. Amend to read: A facility having twelve or fewer persons receiving custodial care shall be classified as part of the primary occupancy.

Section 308.5.4 Five or fewer persons receiving care in a dwelling. Amend to read: A facility such as above within a dwelling unit having twelve or fewer persons receiving custodial care shall be classified as Group R-3 occupancy or shall comply with the International Residential Code.

Section 406.3.2.1 Dwelling unit Separation. Amend to read: The private garage shall be separated from the dwelling unit and its attic area by means of gypsum board, not less than 5/8 inch in thickness, applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than a 5/8 inch type X gypsum board or equivalent and 5/8 inch gypsum board applied to structures supporting the separation from habitable rooms above the garage. Door openings between a private garage and the dwelling unit shall be either solid wood doors or solid or honeycomb core steel doors not less than 1 3/8 inch in thickness, or doors in compliance with section 716.5.3 with a fire protection rating of not less than 20 minutes.

Section 706.6 Vertical continuity. Exceptions. Add:

7. Fire walls installed within detached structures of group U or Group S-2 occupancies may terminate at the underside of the roof sheathing provided such walls are not required to be fire-resistance rated construction due to fire separation distance.

Section 901.3 [F] Modifications: Add Exception 1. Non-required systems may continue to exist and be taken out of service with approval of the fire code official.

Section [F] 903.2.8 Group R: Amend to read: An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exception: One and Two-Family Dwellings constructed in accordance with the IRC.

Section [F] 903.2.11.3 Buildings 55 feet or more in height. Amend to read: Buildings five stories or more in height. An automatic sprinkler system shall be installed throughout buildings that have

one or more stories with an occupant load of 30 or more five stories or more above the lowest level of fire department vehicle access, measured to the finished floor.

Section 903.3.1 Automatic sprinkler systems. Amend to read: Sprinkler systems shall be designed with a 5 psi safety margin and installed in accordance with Sections 903.3.1.1, 903.3.1.2 or 903.3.1.3 and other chapters of this code, as applicable.

Section 903.3.1.1 NFPA 13 sprinkler systems. Amend to read: Sprinkler heads in unoccupied mall tenant spaces may be installed at ceiling height if allowed by the fire code official. Permission will be granted on an individual basis. Combustible storage shall not be allowed in these unoccupied tenant spaces if sprinkler heads are installed at ceiling height. Signage shall be provided outlining the storage restrictions.

Section [F] 903.3.1.2.1 Balconies and decks: Amend to read: Sprinkler protection shall be provided for exterior balconies, decks and ground floor patios of dwelling units and sleeping units where the building is of Type V construction, provided there is a roof, overhang six (6) inches or greater, or deck above. Sidewall sprinklers that are used to protect such areas shall be permitted to be located such that their deflectors are within 1 inch to 6 inches below the structural members and a maximum distance of 14 inches below the deck of the exterior balconies and decks that are constructed of open wood joist construction.

Section [F] 905.1 General. Add: Class II and III standpipe systems are prohibited. Where required within this section, all standpipe systems shall meet the requirements of a Class 1 standpipe.

Add: Section 905.1.1 Standpipe Hose. The installation of fire hose on standpipes may be omitted when approved by the fire code official. Approved standpipe hose valves and connections shall be provided where required.

Section [F] 907.2.3 Group E. Amend to read: A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. Where approved by the fire code official, a building's emergency communication system interfaced with the fire alarm system in accordance with NFPA 72 is acceptable.

Section [F] 907.2.11.1 Group R-1. Exceptions. Add:

4. In dwelling units where the ceiling height of a room open to the hallway serving the sleeping rooms exceeds that of the

hallway by 24 inches or more, smoke detectors shall be installed in the hallway and in the adjacent room.

Section [F] 907.2.11.2 Group R-2, R-3, R-4, and I-1. Exceptions. Add:

4. In dwelling units where the ceiling height of a room open to the hallway serving the sleeping rooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallway and in the adjacent room.

1009.8.1 System requirements. Amend to read: Two-way communication systems shall provide communication between each required location and the fire command center or a central control point location approved by the fire department. Where the central control point is not constantly attended, a two-way communication system shall have a timed automatic telephone dial-out capability to a monitoring location. The two-way communication system shall include both audible and visible signals.

Section 1010.1.9 .4 Amend paragraph 7 to read:

7. Egress doors from occupied roofs, or doors that are used to gain access to the interior of the building may be locked from the outside if all of the following are provided.
 - 7.1 Compliance with all aspects of Section 1010.1.9.4 item #2
 - 7.2 Compliance with 1009.8
 - 7.3 The door locks shall unlock on actuation of the automatic sprinkler system and automatic fire detection system and the door locking system shall be installed to have the capability of being unlocked by a switch located at the Fire Command center

Section 1011.1 General. Exceptions. Add:

2. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public need not comply with sections 1011.2 through 1011.13.

Section 1011.2 Width and capacity. Add:

Exception 4. Stairways used to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public.

Section 1011.5.2 Riser height and tread depth. Amend item 3, and Add item 6 to read:

3. In Group R-3 occupancies; within dwelling units in Group R-2 occupancies; and in Group U occupancies that are accessory to a Group R-3 occupancy or accessory to individual dwelling units in Group R-2 occupancies; the maximum riser height shall be 8 inches ; the minimum tread depth shall be 9 inches; the minimum winder tread depth at the walkline shall be 10 inches; and the minimum winder tread depth shall be 6 inches. A nosing projection not less than 3/4 inch but not more than 1 1/4 inches shall be provided on stairways with solid risers where the tread depth is less than 11 inches.
6. Stairways used only to attend equipment or private stairways serving an occupant load 10 or fewer persons and which are not accessible to the public are permitted to have a maximum 8-inch riser height and minimum 9-inch tread depth.

Section 1011.11 Handrails. Exceptions. Add:

5. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public shall have a handrail on at least one side.
6. Vehicle service pit stairways are exempt from the rules for stairway railings and guards if they would prevent a vehicle from moving into place over the pit.

Section 1015.2 Where required. Amend to read: Guards shall be located along open-sided walking surfaces, including mezzanines, equipment platforms, stairs, ramps and landings, that are located more than 30 inches above the floor or grade below of if within 36 inches horizontally to the edge of the open side the vertical measurement to the floor or grade below is greater than 48 inches. Guards shall be adequate in strength and attachment in accordance with section 1607.8.

Section 1101.2 Add: Section 1101.2 State of North Dakota Accessibility Standards. After July 31, 2013, a newly designed and constructed building in excess of seven thousand five hundred square feet which is classified within the state building code as assembly, business, educational, institutional, or mercantile occupancy and required by the state building code to be accessible must include at the primary exterior public entrance an automatic door or power-assisted manual door that complies with the requirements of the Americans with Disabilities Act of 1990, revised 2010. If a multiple unit building does not have a primary exterior public entrance, an individual unit within that building is not required to include an automatic door or power-assisted manual door unless

that individual unit is in excess of seven thousand five hundred square feet.

Section 1202.1 General. Amend paragraph 2 to read: Ambulatory care facilities and Group I-2 occupancies shall be ventilated by mechanical means in accordance with Section 407 of the International Mechanical Code.

Section 1206 SOUND TRANSMISSION: Delete.

Section 1601.1. Scope. Add: It shall not be the responsibility of the building official to determine engineering requirements of this code. Exclusive of the conventional light-frame wood construction provisions referenced in Section 2308, the method to resist loads as referenced in this chapter is the responsibility of a structural engineer or other qualified design professional.

Section 1610.1 Lateral Pressures. Exception: Amend to read: Foundation walls extending not more than 9 feet below grade and laterally supported at the top by flexible diaphragms shall be permitted to be designed for active pressure.

Section 1612 Flood Loads. Delete

Section 1804.4 Site Grading. Amend to read: Surface drainage shall be diverted to a storm sewer conveyance or other approved point of collection. Lots shall be graded to drain surface water away from foundation walls. The procedure used to establish the final ground level adjacent to the foundation shall account for additional settlement of the backfill.

Section 1804.5 Grading and fill in flood hazard areas. Delete:

Add Section 1808.10 Grounding. There shall be a concrete encased rebar stubbed out near the electrical service for grounding of the electrical system located within the foundation or footing as per the requirements of the most recently adopted version of the National Electrical Code and the North Dakota State Wiring Standards. Coordinate with the Electrical Contractor.

Section 1809.5 Frost Protection. Exception. Add:

4. Free-standing buildings used as Group U occupancies for the storage of private or pleasure-type motor vehicles constructed in accordance with section 406.3.1.

Section 2901.1 General. Amend to read: The provisions of this chapter and the North Dakota State Plumbing Code shall govern the erection, installation, alteration, repairs, relocations, replacement, addition to, use or maintenance of plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems

and equipment shall be constructed, installed and maintained in accordance with the North Dakota State Plumbing Code. Private sewage disposal systems shall conform to the North Dakota State Plumbing Code. The International Fire Code, the International Property Maintenance Code and the North Dakota State Plumbing Code shall govern the use and maintenance of plumbing components, appliances, equipment and systems. The International Existing Building Code and the North Dakota State Plumbing Code shall govern the alteration, repair, relocation, replacement and addition of plumbing components, appliances, equipment and systems.

Section 2902.2 Separate Facilities. Amend exception 2 to read:

2. Separate facilities shall not be required in structures or tenant spaces with a total occupant load, including both employees and customers, of 25 or fewer.

Section 2902.6 Small occupancies. Amend to read: Drinking fountains shall not be required for an occupant load of 30 or fewer.

Section 3313 Water Supply for fire protection. Amend to read: An approved water supply for fire protection, either temporary or permanent, shall be made available as soon as combustible material arrives on a site located within the city limits.

3. 2021 International Residential Code (IRC):

Section 101.1 Title. Amend: NAME OF JURISDICTION to City of Bismarck.

Section 103 DEPARTMENT OF BUILDING SAFETY. Delete:

Section R104.8 Liability. Add: This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

Section R104.8.1 Legal Defense. Amend to read: any suit or criminal complaint instituted against an officer or employee because of an act or omission performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be afforded all the immunities and defenses provided by other applicable local, state, or federal laws. The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Section R105.2: Section R105.2 Work exempt from permit. Building: Amend items 1,2,3,9, and 10 to read: Section R105.2 Work exempt from permit. Exemption from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Building Permits shall not be required for the following:

1. One-story detached accessory structures provided the floor area does not exceed 120 square feet.
2. Fences not over 8.5 feet high.
4. Retaining walls.
9. Window awnings supported by an exterior wall that do not require additional support.
10. Decks not exceeding 120 square feet in area, that are not more than 7 inches above grade at any point, are not attached to a dwelling and do not serve the exit door required by Section R311.4.

Section R106.3.1 Approval of construction documents. Amend to read: Where the building official issues a permit, one set of construction documents so reviewed shall be retained by the building official.

Section R108.3 Building permit valuations. Amend to Read: Building permit valuation shall include total value of the work for which a permit is being issued, such as electrical, gas, mechanical, plumbing equipment and other permanent systems, including materials and labor. If, in the opinion of the building official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the building official. Final building permit valuation shall be set by the building official.

Section R109.1.3 Floodplain Inspections. Delete.

Section R110.1.1: Add: Occupying or permitting occupancy of any building or structure prior to the issuance of a Certificate of Occupancy shall constitute an infraction under the provisions of the Code of Ordinances of the City of Bismarck.

Section R112 Board of Appeals: Delete.

Section R201.3 Terms defined in other codes. Amend to read: Section R201.3 Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the

National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Where ever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

Table R301.2 CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA
(1). Add:

Ground snow load: 35 psf
Wind Design speed: 115 mph
Wind Design topographic effects: NO
Wind Design special wind region: NO
Wind Design wind-borne debris zone: NO
Seismic Design Criteria: Zone A
Subject to Damage From weathering: Severe
Subject to Damage from frost depth: 4 feet
Subject to Damage from termite: NO
Winter Design Temp: -19
Ice Barrier Underlayment Required: YES
Flood Hazards: (a)First FIRM adopted in
1985,(b)current/revise FIRM adopted 2014.
Air Freezing Index: 4000
Mean Annual Temp: 42 degrees (F)

Section R302.3 Two-family Dwellings. Amend to read: Dwelling units in two-family dwellings shall be separated from each other by wall and floor assemblies having not less than a 1-hour fire-resistance rating were tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the International Building Code. Fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend from the foundation to the underside of the roof sheathing.

Exceptions:

1. A fire-resistance rating of 1/2 hour shall be permitted in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section P2904.

2. Wall assemblies need not extend through attic spaces where the ceiling is protected by no less than 5/8-inch (15.9 mm) Type X gypsum board, an attic draft stop constructed as specified in Section R302.12.1 is provided above and along the wall assembly separating the dwellings and the structural framing supporting the ceiling is protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.

Add: Section R302.3.2 Property Line Separation. Where dwelling units within a two-family dwelling are separated by a property line, the walls separating dwelling units shall be constructed in

accordance with Section R302.2.1 or R302.2.2 and shall comply with sections 302.2.3 through R302.2.6, as applicable.

Section R302.5.1 Opening protection. Amend to read: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1³/₈ inches in thickness, solid or honeycomb-core steel doors not less than 1³/₈ inches thick, or 20-minute fire-rated doors.

Section R303.4 Mechanical ventilation. Delete:

Section R307.1 Space required. Amend to read: Fixtures shall be spaced in accordance with the requirements of North Dakota State Plumbing Code and per Figure R307.1, with the exception of the clearance in front of water closets and bidets which shall be at least 24 inches.

Section R310.4.2 Ladder and Steps. Amend to read: Window wells with a vertical depth greater than 44 inches shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position, or shall be equipped with a permanently-attached platform at least 30 inches by 16 inches. The maximum distance between the top of the window well and a platform shall be 42 inches and shall not impede the operation of the window. Ladders or steps required by this section shall not be required to comply with Sections R311.7 and R311.8. Ladders or rungs shall have an inside width of at least 12 inches, shall project at least 3 inches from the wall and shall be spaced not more than 18 inches on center vertically for the full height of the window well.

Exception: Terraced window wells with a maximum of 24 inches per vertical rise and minimum of 12 inches per horizontal projection on each level shall also be allowed.

Section R311.3 Floors and landings at exterior doors. Add: Exception 2. A landing is not required on the outside of exterior doors other than the required egress door, where a stairway with a total rise of less than 30 inches is located on the exterior side of the door, provided the door does not swing over the stairway.

Section R311.3.1 Floor elevations at the required egress door. Exception: Amend to read: The landing or floor on the exterior side shall not be more than 8 inches below the top of the threshold provided the door does not swing over the landing or floor.

Where exterior landings or floors serving the required egress door are not at grade, they shall be provided with access to grade by means of a ramp in accordance with Section R311.8 or a stairway in accordance with Section R311.7.

Section R311.3.2 Floor elevations for other exterior doors. Amend to read: Floor elevations for other exterior doors. Doors other than the required egress door shall be provided with landings or floors not more than 8 inches below the top of the threshold.

Exception: A landing is not required where a stairway with a total rise of less than 30 inches is located on the exterior side of the door, provided the door does not swing over the stairway.

Section R311.7.5.1 Risers. Amend to Read: The Riser height shall not be more than 8 inches. The riser shall be measured vertically between landing edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch. Risers shall be vertical or sloped from the underside of the nosing of the tread above at an angle not more than 30 degrees from the vertical. Open risers are permitted provided that the openings located more than 30 inches, as measured vertically, to the floor or grade below do not permit the passage of a 4-inch-diameter sphere.

Exceptions:

1. The opening between adjacent treads is not limited on spiral stairways.
2. The riser height of spiral stairways shall be in accordance with Section R311.7.10.1.

Section R311.7.5.2 Treads. Amend to read: The minimum tread depth shall be 9 inches. The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch.

Exception: Where a landing is not provided or required by section R311.3, R311.3.2 or R311.7.6, the top tread of a stair serving exterior doors other than the required exit door, and in-swinging doors opening into an attached garage, shall be permitted to exceed the smallest tread by more than 3/8 inch. Such a tread shall be at least 18 inches measured in the direction of travel.

Section R311.7.5.2.1 Winder treads. Amend to read: Winder treads shall have a minimum tread depth of 9 inches measured between the vertical planes of the foremost projection of adjacent treads at the intersections with the walkline. Winder treads shall have a tread depth of not less than 6 inches at any point within the clear width of the stair. Within any flight of stairs, the largest winder tread depth at the walkline shall not exceed the smallest winder tread by more than 3/8 inch). Consistently shaped winders at the walkline shall be allowed within the same flight of stairs as rectangular treads and do not have to be within 3/8 inch of the rectangular tread depth.

Exception: The tread depth at spiral stairways shall be in accordance with Section R311.7.10.1.

Section R311.7.6 Landings for stairways. Exception: Amend to read: Exceptions:

A floor or landing is not required at the top of an interior flight of stairs, including stairs in an enclosed garage, provided a door does not swing over the stairs.

A landing is not required at the top of an interior flight of stairs with a total rise of less than 30 inches, provided the door does not swing over the stairway.

Section R312.1.1 Where Required. Amend to read: Guards shall be located along open-sided walking surfaces, stairs, ramps and landings that are located more than 30 inches measured vertically to the floor or grade below. Insect screening shall not be considered as a guard.

Section R313.1.1 Design and Installation. Amend to read: Automatic residential sprinkler systems for townhouses shall be designed and installed in accordance with NFPA 13D, NFPA 13R, or NFPA 13.

Section R315.3 Location. Amend to read: Section R315.3 Location. Carbon monoxide alarms in dwelling units shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms. A minimum of one carbon monoxide alarm shall also be installed on each level of the dwelling unit. Where a fuel burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.

Section 327.1 General. Amend to read: The design and construction of pools and spas shall comply with the City of Bismarck Ordinance, Title 4, Chapter 4-06, Swimming Pools.

Section R401.3 Drainage. Amend to read: Surface drainage shall be diverted to a storm sewer conveyance or other approved point of collection. Lots shall be graded to drain surface water away from foundation walls.

Section R403.1 General. All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, crushed stone footings, wood foundations, or other approved structural systems that shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill and shall include a concrete encased contiguous rebar stubbed out near the electrical service for

grounding of the electrical system as per the requirements of the most recently adopted version of North Dakota State Electrical Board's Laws, Rules and Wiring Standards. Coordinate with the electrical contractor.

Section R403.1.4.1 Frost Protection. Exceptions 1 and 2, amend to Read Add Exception 4:

1. Protection of freestanding accessory structures of light framed construction shall not be required.
2. Protection of freestanding accessory structures with an area of 400 square feet or less, of other than light-framed construction shall not be required.
4. Single story uncovered decks supported by a single attachment to a dwelling need not be provided with footings that extend below the frost line.

Non-frost protected Foundations supporting detached accessory structures of light frame construction greater than 200 sf must be constructed of monolithic slab-on-grade construction with turned-down footings. Perimeter turned-down footings must be a minimum of 12-inches in depth and eight-inches wide. Perimeter turned-down footings shall have a minimum of one no. 4 bar at the top and at the bottom of the footing. Footings shall not bear on frozen soil.

Section R404.1 Concrete and masonry foundation walls. Concrete foundation walls shall be selected and constructed in accordance with the provisions of Section R404.1.2. There shall be a concrete encased contiguous rebar stubbed out near the electrical service for grounding of the electrical system as per the requirements of the most recently adopted version of North Dakota State Electrical Board's Laws, Rules and Wiring Standards. Coordinate with the electrical contractor.

Add: Table R404.1.2 (10). Alternate Vertical Reinforcement for Concrete Foundation Walls.

Minimum Reinforcement for concrete Foundation Walls, Active Pressure=45pcf Soil Classes GM,GC,SM,SM-SC and ML		
Wall Height Feet	Wall Thickness Inches	Vertical Reinforcement
8'	8"	#4 @ 24"
		#5 @ 40"

	10"	#4 @ 30"
		#5 @ 50"
9'	8"	#4 @ 18"
		#5 @ 28"
	10"	#4 @ 24"
		#5 @ 36"
10'	10"	#4 @ 16"
		#5 @ 26"

Notes:

1. Chart is based on an active soil pressure of 45 pounds per cubic foot (pcf)
2. Reinforcing steel shall be ASTM A615 Fy – 60,000 pounds per square inch (psi).
3. The vertical reinforcing bars are to be located on the inside face.
4. Minimum concrete strength Fc1 = 3,000 pounds per square inch (psi).
5. Backfill shall not be placed until first floor framing and sheathing is installed and fastened or adequately braced and the concrete floor slab is in place or the wall is adequately braced.

Table R404.1.2 (11). Alternate Vertical Reinforcement for Concrete Foundation Walls.

Minimum Reinforcement for concrete Foundation Walls, Active Pressure=65pcf Soil Classes SC,ML-CL and inorganic CL		
Wall Height Feet	Wall Thickness Inches	Vertical Reinforcement

8'	8"	#4 @ 18"
		#5 @ 26"
	10"	#4 @ 24"
		#5 @ 36"
9'	8"	#4 @ 12"
		#5 @ 18"
	10"	#4 @ 16"
		#5 @ 24"
10'	10"	#4 @ 12"
		#5 @ 18"

Notes:

1. Chart is based on an active soil pressure of 65 pounds per cubic foot (pcf)
2. Reinforcing steel shall be ASTM A615 Fy – 60,000 pounds per square inch (psi).
3. The vertical reinforcing bars are to be located on the inside face.
4. Minimum concrete strength $F_c1 = 3,000$ pounds per square inch (psi).
5. Backfill shall not be placed until first floor framing and sheathing is installed and fastened or adequately braced and the concrete floor slab is in place or the wall is adequately braced.

Section R404.1.3.2 Reinforcement for foundation walls. Amend to read: Concrete foundation walls shall be laterally supported at the top and bottom. Horizontal reinforcement shall be provided in accordance with Table R404.1.2(1). Vertical reinforcement shall be provided in accordance with Table R404.1.2(2), R404.1.2(3), R404.1.2(4), R404.1.2(5), R404.1.2(6), R404.1.2(7), or

R404.1.2(8)., or Table R404.1.2(10). Vertical reinforcement for flat basement walls retaining 4 feet or more of unbalanced backfill is permitted to be determined in accordance with Table R404.1.2(9). For basement walls supporting above-grade concrete walls, vertical reinforcement shall be the greater of that required by Tables R404.1.2(2) through R404.1.2(8) or by Section R611.6 for the above-grade wall. In Buildings assigned to Seismic Design Category D0, D1, or D2, concrete foundation walls shall also comply with Section R404.1.4.2.

Section R507.3 Footings. Amend to read: Decks supported by more than one attachment to a dwelling, covered decks, and multi-story decks shall be supported on concrete footings or other approved structural systems designed to accommodate all loads in accordance with Section R301. Deck footings shall be sized to carry the imposed loads from the deck to the ground as shown in figure R507.3. The footing depth shall be in accordance with Section R403.1.4. and R507.3.2.

Table R507.3.1 Minimum footing size for decks. Delete:

Section R602.3.1 Stud size, height, and spacing. Amend exception 3 to read: Exterior load-bearing studs not exceeding 12 feet in height provided in accordance with Table R602.3(6). The minimum number of full-height studs adjacent to openings shall be in accordance with Section R602.7.5 and the studs and plates shall be No. 2 grade lumber or better.

Section R602.7.2 Rim board headers. Revise to read: Rim board header size, material and span shall be in accordance with Table R602.7(1). Rim board headers shall be constructed in accordance with Figure R602.7.2 and shall be supported at each end by full-height studs. Rim board headers supporting concentrated loads shall be designed in accordance with accepted engineering practice.

Section R602.7.5 Supports for headers. Amend to read: Headers shall be supported on each end with one or more jack studs or with approved framing anchors in accordance with Table R602.7(1) or R602.7(2). The full-height stud adjacent to each end of the header shall be end nailed to each end of the header with four-16d nails (3.5 inches x 0.135 inches).

Table N1102.1.3 (R402.1.3) Insulation Minimum R-Values and Fenestration Requirements By Component. Climate zone 6, Wood Frame Wall R-Value. Amend to read: 21 or 13+5ci h.

Table N1102.1.3 (R402.1.3) Insulation Minimum R-Values and Fenestration Requirements By Component. Climate zone 6, Basement Wall R-Value. Amend to read: 10ci/13.

Table N1102.1.3 (R402.1.3) Insulation Minimum R-Values and Fenestration Requirements By Component. Climate zone 6, Crawlspace R-Value. Amend to read: 10ci/13.

Table N1102.1.2 (R402.1.2) Maximum Assembly U-Factors and Fenestration Requirements. Climate zone 6, Frame Wall Factor. Amend to Read: 0.057.

Table N1102.1.2 (R402.1.2) Maximum Assembly U-Factors and Fenestration Requirements. Climate zone 6, Basement Wall U-Factor. Amend to Read: 0.059.

Table N1102.1.2 (R402.1.2) Maximum Assembly U-Factors and Fenestration Requirements. Climate zone 6, Crawl Space Wall U-Factor. Amend to Read: 0.059.

Section N1102.4 (R402.4) Air leakage (Mandatory). Add: Exception: Dwelling units of R-2 Occupancies and multiple single family dwellings shall be permitted to comply with IECC Section C402.5.

Section N1102.4.1.2 (R402.4.1.2) Testing. Amend the first sentence to read: The building or dwelling unit shall be tested for air leakage or visual inspection to be completed.

Add: Section N1102.4.1.4 (R402.4.1.4) Visual Inspection Option. Building envelope tightness and insulation shall be considered acceptable when installed in accordance with Table N1102.4.1.1 (R402.4.1.1) - "Air Barrier, Air Sealing and Insulation" and has been field verified.

Section N1103.3.7 (R403.3.7) Building Cavities (Mandatory). Amend to read: Building framing cavities shall not be used as supply ducts.

Section N1103.6 (R403.6) Mechanical Ventilation (Mandatory). Amend title to read: Ventilation (Mandatory)

Table N1105.4.2(1) [R405.4.2(1)] Specifications for the Standard Reference and Proposed Design. Air exchange rate. Amend to read:

Standard Reference Design: Air leakage rate of 5 air changes per hour in Climate Zones 1 through 8 at a pressure of 0.2 inches w.g (50 Pa). (Balance is unchanged.)

Proposed design: For residences that are not tested, the same air leakage rate as the standard reference design. For tested residences, the measured air exchange rate. The mechanical ventilation rated shall be in addition to the air leakage rate and shall be as proposed.

Section M1402.1 General. Amend to read: Oil-fired central furnaces shall conform to ANSI/UL 727. Electric furnaces shall conform to UL 1995 or UL/CSA 60335-2-40.

Section M1403.1 Heat Pumps. Amend to read: Electric Heat pumps shall be listed and labeled in accordance with UL 1995 or UL/CSA 60335-2-40.

Section M1412.1 Approval of Equipment. Amend to read: Absorption systems shall be installed in accordance with the manufacturer's instruction. Absorption equipment shall comply with UL 1995 or UL/CSA 60335-2-40.

Section M1413.1 General. Amend to read: Evaporative cooling equipment and appliances shall comply with UL 1995 or UL/CSA 60335-2-40 and shall be installed:

Section M1502.4.2 Duct Installation. Amend to Read: Exhaust ducts shall be supported at intervals not to exceed 4 feet and shall be secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Exhaust duct joints may be mechanically fastened. Ducts shall not be joined with screws. Where dryer exhaust ducts are enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation.

Section 2006.1 General. Amend to read: Pool and spa heaters shall be installed in accordance with the manufacturer's installation instructions. Oil-fired pool heaters shall comply with UL 726. Electric pool and spa heaters shall comply with UL 1261. Pool and spa heat pump water heaters shall comply with UL 1995, UL/CSA 60335-2-40 or CSA C22.2 No. 236.

Exception: Portable residential spas and portable residential exercise spas shall comply with UL 1563 or CSA C22.2 No. 218.1.

Section M2101.3 Protection of potable water. Amend to read: The potable water system shall be protected from backflow in accordance with the provisions listed in the North Dakota State Plumbing Code.

Section M2101.10 Tests. Amend to read: New hydronic piping shall be isolated and tested hydrostatically at a pressure of not less than 100-pounds per square inch (psi) (689 kPa). The duration of each test shall be not less than 15 minutes and not more than 20 minutes.

Section M2103.3 Piping Joints. Item 2. Amend to read: Copper tubing shall be joined by brazing complying with the North Dakota State Plumbing Code.

Section G2407.11 (304.11) Combustion air ducts. Item 5. Amend to read: Ducts shall not terminate in an attic space.

Section G2425.12 (501.12) Residential and low-heat appliances flue lining systems. Amend to read: Flue lining systems for use with residential-type and low-heat appliances shall be limited to the following:

Clay flue lining complying with the requirements of ASTM C 315 or equivalent when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h. Clay flue lining shall be installed in accordance with Chapter 10.

Listed chimney liner systems complying with UL 1777.

Other approved materials that will resist, without cracking, softening, or corrosion, flue gases and condensate at temperatures up to 1800 F (982 C).

- a. Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick up to 8 inches in diameter.
- b. Stainless steel (304 or 430 alloy or equivalent) not less than 26 gauge (0.018 inches thick) to 8 inches in diameter or not less than 24 gauge (0.024 inches thick) 8 inches in diameter and larger.

When a metal liner is used other than a listed chimney liner a condensation drip tee shall be installed and supported in an approved manner.

Section G2442.5 (618.4) Screen. Amend to read: Required outdoor air inlets shall be covered with a screen having $\frac{1}{4}$ inch (6.4 mm) openings. Required outdoor air inlets serving a nonresidential portion of a building shall be covered with screen having openings larger than $\frac{1}{4}$ inch (6.4 mm) and not larger than $\frac{1}{2}$ inch.

Chapter 25 PLUMBING ADMINISTRATION. Delete:

Chapter 26 GENERAL PLUMBING REQUIREMENTS. Delete:

Chapter 27 PLUMBING FIXTURES. Delete:

Chapter 28 WATER HEATERS. Delete:

Chapter 29 WATER SUPPLY AND DISTRIBUTION. Delete:

Chapter 30 SANITARY DRAINAGE. Delete:

Chapter 31 VENTS. Delete:

Chapter 32 TRAPS. Delete:

Chapter 34 GENERAL REQUIREMENTS. Delete:

Chapter 35 ELECTRICAL DEFINITIONS. Delete:

Chapter 36 SERVICES. Delete:

Chapter 37 BRANCH CIRCUIT AND FEEDER REQUIREMENTS.
Delete:

Chapter 38 WIRING METHODS. Delete:

Chapter 39 POWER AND LIGHTING DISTRIBUTION. Delete:

Chapter 40 DEVICES AND LUMINAIRES. Delete:

Chapter 41 APPLIANCE INSTALLATION. Delete:

Chapter 42 SWIMMING POOLS. Delete:

Chapter 43 CLASS 2 REMOTE-CONTROL, SIGNALING AND
POWER-LIMITED CIRCUITS. Delete:

Chapter 44 REFERENCED STANDARDS.

ANCE – Delete:

CSA C22.2 No. 60335-2-40 2019: Amend to read: Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electric Heat Pumps, Air- Conditioners and Dehumidifiers M1402.1, M1403.1, M1412.1, M1413.1, M2006.1.

UL 60335-2-40-2019: Amend to read: Standard for Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electric Heat Pumps, Air-Conditioners and Dehumidifiers M1402.1, M1403.1, M1412.1, M1413.1, M2006.1.

4. 2021 International Mechanical Code (IMC)

Section 101.1 Title. Amend: NAME OF JURISDICTION to City of Bismarck.

Section 103 Department of Mechanical Inspection. Delete:

Section 103.4 Liability. Add: This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

Section 106.4.8 Posting of Permit. Delete:

Section 106.5.2 Fee Schedule. Amend to read: The fees for mechanical work shall be as indicated in the schedule as established by the local jurisdiction.

Section 109 Means of appeal. Delete.

Section 201.3 Terms defined in other codes. Amend to read: Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Wherever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

Section 305.4 Interval of support. Amend to read: Piping shall be supported at distances not exceeding the spacing specified in Table 305.4, or in accordance with MSS SP-69. In addition to the requirements of Table 305.4, piping and tubing shall be supported within 2 feet of every bend or angle.

Section 307.2.2 Drain pipe materials and sizes. Amend to read: Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polybutylene, polyethylene, ABS, CPVC or PVC pipe or tubing. All components shall be selected for the pressure and temperature rating of the installation. Joints and connections shall be made in accordance with the applicable provisions of the North Dakota State Plumbing Code relative to the material type. Condensate waste and drain line size shall be not less than 3/4- inch (19 mm) internal diameter and shall not decrease in size from the drain pan connection to the place of condensate disposal. Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with Table 307.2.2.

Section 401.2 Ventilation. Amend to read: Ventilation required. Every occupied space shall be ventilated by natural means in accordance with Section 402 or by mechanical ventilation in accordance with Section 403.

Section 403.1 Ventilation system. Amend to read: Mechanical ventilation shall be provided by a method of supply air and return or

exhaust air. The amount of supply air shall be approximately equal to the amount of return and exhaust air. The system shall not be prohibited from producing negative or positive pressure. The system to convey ventilation air shall be designed and installed in accordance with Chapter 6.

Exception: The latest version of ASHRAE 62.1 (Ventilation for acceptable indoor air quality) shall be considered to be an acceptable alternative to this section.

504.9.2 Duct installation. Amend to read: Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws. Where dryer exhaust ducts are enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation.

Section 505.4 Makeup air required. Amend to read: Exhaust hood systems capable off exhausting in excess of 400 cfm (0.19m³/s) shall be provided with makeup air at a rate in excess of 400 cfm. Such makeup air systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system.

Section 508.2 Compensating hoods. Amend to read: Manufacturers of compensating hoods shall provide a label indicating minimum exhaust flow and/or maximum makeup airflow that provides capture and containment of the exhaust effluent. Short circuit compensating hoods are prohibited.

Add: Section 508.2.1 Compensating Hood Make-up Air. Compensating hoods shall extract at least 40% of the required exhaust air flow from the kitchen area.

Section 908.5 Water Supply. Amend to read: Cooling towers, evaporative coolers and fluid coolers shall be provided with an approved water supply, sized for peak demand. The quality of water supply shall be provided in accordance with the equipment manufacturer's recommendations. The piping system and protection of the potable water system shall be installed as required by the North Dakota State Plumbing Code.

Section 1008.2 Discharge. Amend to read: Blowoff valves shall discharge to a safe place of disposal. Where discharge to the drainage system, the installation shall conform to the North Dakota State Plumbing Code.

Table 1103.1 Refrigerant Classification, Amount, and OEL. Footnote: c. Amend to read: the ASHRAE Standard 34 flammability classification for this refrigerant is 2L.

Section 1104.2 Machinery room. Add: Exception 3. If an existing refrigerating system is replaced or if an existing refrigeration plant is increased by not more than 50% of its original capacity, but not more than 100 tons per system using a non-flammable class A1 or B1 refrigerant and the refrigeration machinery room was not provided in the original installation prior to 1994, a refrigeration machinery room shall not be required. If the existing refrigeration is not located in general machinery room separated from occupied spaces, a refrigeration machinery room shall be provided. The space containing the refrigeration machinery shall meet the requirement of Section 1104.3.4, protection room refrigerant decomposition, and Section 1105.3 requiring refrigerant detection. If the requirements of 1104.3.4 and 1105.3 cannot be met, a refrigeration machinery room shall be provided.

Section 1104.3.1 Air conditioning for human comfort. Amend to read: High probability systems used for human comfort shall use Group A1 or A2L refrigerant. In other than industrial occupancies where the quantity in a single independent circuit does not exceed the amount in Table 1103.1, Group B1, B2 and B3 refrigerants shall not be used in high probability systems for air conditioning for human comfort.

Section 1208.1 General. Amend to read: New hydronic piping shall be isolated and tested hydrostatically at not less than 100 psi (689 kPa). The duration of the test shall not be less than 15 minutes.

Chapter 15 REFERENCED STANDARDS.

Add: CSA C22.2 No. 60335-2-40: 2019 Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers 908.1, 916.1, 918.1, 918.2, 1101.2.

UL – Amend to read: 60335-2-40 2019: Household and Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers 908.1, 916.1, 918.1, 918.2, 1101.2.

5. 2021 International Fuel Gas Code (IFGC)

Section 101.1 Title. Amend: NAME OF JURISDICTION to City of Bismarck.

Section 103 Department of Inspection. Delete:

Section 103.4 Liability. Add: This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or city be held as assuming any such liability

by reason of the inspection authorized by this code or any permits or certificates issued under this code.

Section 109 Means of appeal. Delete.

Section 201.3 Terms defined in other codes. Amend to read: Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Wherever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

Section 304.6.2 One permanent opening method. Amend to Read: One permanent opening, commencing within 12 inches (305 mm) of the top of the enclosure, shall be provided. The appliance shall have clearances of at least 1 inch (25 mm) from the sides and back and 6 inches (152 mm) from the front of the appliance. The opening shall directly communicate with the outdoors or through a vertical or horizontal duct to the outdoors and shall have a minimum free area of 1 square inch per 3,000 Btu/h (734mm²/kW) of the total input rating of all appliances located in the enclosure and not less than the sum of the areas of all vent connectors in the space.

Section 304.11 Combustion air ducts. Item 5. Amend to read: Ducts shall not terminate in an attic space.

Add: Section 403.9.1.1 Pipe joints. Gas supply systems with pressures 5 psig or greater and gas pipe joints 2 ½ inches or larger, regardless of pressure, shall be welded.

Section 403.10.4 Metallic fittings. Item 1. Amend to read: Threaded fittings in sizes 2½ inches or larger shall not be used except where approved.

403.13 Other Materials. Add: Material not covered by the standards specifications listed herein shall be investigated and tested to determine that it is safe and suitable for the proposed service, and, in addition, shall be recommended for that service by the manufacturer and shall be approved by the code official. Listed LPG hose may be used with natural gas when used for temporary heating at a maximum length of 50 feet.

Section 406.4 Test pressure measurement. Amend to read: Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Dial gauges used to measure test pressures shall be performed with gauges of 2 psi increments or less and have a range not exceeding 100 psi unless otherwise approved.

Section 406.4.1 Test pressure. Amend to read: The test pressure to be used shall be no less than 1 1/2 times the proposed maximum working pressure, but not less than 20 psig irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

Section 408.2 Drips. Amend to read: Where wet gas exists, a drip shall be provided at any point in the line of pipe where condensate could collect.

Section 411.2 Manufactured home connections. Amend to read: Manufactured homes shall be connected to the distribution piping system by listed and labeled connectors in compliance with ANSI Z21.75/CSA 6.27 and installed in accordance with the manufacturer's installation instructions.

Section 415.1 Interval of support. Amend to read: Piping shall be supported at intervals not exceeding the spacing specified in Table 415.1. Spacing of supports for CSST shall be in accordance with the CSST manufacturer's instructions. In addition to the requirements of Table 415.1, piping and tubing shall be supported within 2 feet of every bend or angle.

Section 501.12 Residential and low-heat appliances flue lining systems. Amend to read: Flue lining systems for use with residential-type and low-heat appliances shall be limited to the following:

1. Clay flue lining complying with the requirements of ASTM C 315 or equivalent when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h. Clay flue lining shall be installed in accordance with the International Building Code.
2. Listed chimney lining systems complying with UL1777.
3. Other approved materials that will resist, without cracking, softening or corrosion, flue gases and condensate at temperatures up to 1,800°F (982°C).

4. Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick to 8 inches diameter.
5. Stainless steel (304 or 430 alloy or equivalent) not less than 26 gauge (0.018 inches thick) to 8 inches diameter or not less than 24 gauge (0.024 inches thick) 8 inches diameter and larger.

When a metal liner is used other than a listed chimney liner a condensation drip tee shall be installed and supported in an approved manner.

Section 503.5.3 Masonry chimneys. Amend to read: Masonry chimneys shall be built and installed in accordance with NFPA 211 and shall be lined as per Section 501.12.

Section 503.5.6.1 Chimney lining. Amend to read: Chimneys shall be lined in accordance with NFPA 211 and Section 501.12.

Exception: Where an existing chimney complies with Sections 503.5.6 through 503.5.6.3 and its sizing is in accordance with Section 503.5.5, its continued use shall be allowed when, in more than one appliance venting system the secondary appliance, such as a water heater, is replaced and the primary heating appliance remains.

Section 614.9.2 Duct installation. Amend to read: Exhaust ducts shall be supported at 4-foot intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws.

6. 2021 International Energy Conservation Code.

IECC-COMMERCIAL PROVISIONS

Section C101.1 Title. Amend: NAME OF JURISDICTION to City of Bismarck.

Section C103.3.1 Approval of construction documents. Amend to read: When the Building Official issues a permit, the construction documents shall be approved. One set of construction drawings so reviewed shall be retained by the Building Official.

Section C105.2.3 Plumbing system. Delete:

Section C105.2.4 Mechanical system. Delete:

Section C105.2.5 Electrical system. Delete:

Section C105.2.6 Final inspection. Delete:

Section C110 Board of Appeals. Delete:

Section C201.3 Terms defined in other codes. Amend to Read: Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Wherever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

Section C408.2.4.1 Acceptance of report. Delete:

Section C408.2.5 Documentation requirements. Delete:

Section C408.3.1 Functional testing. Delete:

Section C408.3.2 Documentation Requirements. Delete:

IECC-RESIDENTIAL PROVISIONS

Section R101.1 Title. Amend: NAME OF JURISDICTION to City of Bismarck.

Section R110 MEANS OF APPEALS. Delete:

Section R103.3.1 Approval of construction documents. Amend to read: When the Building Official issues a permit, the construction documents shall be approved. One set of construction drawings so reviewed shall be retained by the Building Official.

Section R105.2.3 Plumbing rough-in inspection. Delete:

Section R105.2.4 Mechanical rough-in inspection. Delete:

Section R105.2.5. Final Inspection:

Section R201.3 Terms defined in other codes. Amend to Read: Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the

National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Wherever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

Table (R402.1.3) Insulation Minimum R-values and Fenestration Requirements by component. Climate zone 6, ceiling R-value. Amend to read: 49

Table (R402.1.3) Insulation Minimum R-values and Fenestration Requirements by Component. Climate zone 6, Wood Frame Wall R-Value. Amend to read: 21 or 13+5ci.

Table (R402.1.3) Insulation and Fenestration Requirements By Component. Climate zone 6, Basement Wall R-Value. Amend to read: 10/13.

Table (R402.1.3) Insulation and Fenestration Requirements By Component. Climate zone 6, Crawlspace R-Value. Amend to read: 10/13.

Table (R402.1.4) Equivalent U-Factors. Climate zone 6, Frame Wall Factor. Amend to Read: 0.057.

Table (R402.1.4) Equivalent U-Factors. Climate zone 6, Basement Wall U-Factor. Amend to Read: 0.059.

Table (R402.1.4) Equivalent U-Factors. Climate zone 6, Crawl Space U-Factor. Amend to Read: 0.059.

Section R402.4 Air leakage (Mandatory) Add: Exception. Dwelling units of R-2 occupancies and multiple single family dwellings shall be permitted to comply with IECC Section C402.5.

Section R402.4.1.2 Testing. Amend to read: The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding five air changes per hour in Climate Zones 1 through 8.

Add: Section R402.4.1.4 Visual Inspection Option. Building envelope tightness and insulation shall be considered acceptable when installed in accordance with Table R402.4.1.1 - "Air Barrier and Insulation" and has been field verified.

Section R403.3.7 Building cavities (Mandatory) Amend to read: Building framing cavities shall not be used as supply ducts.

Section R403.6 Mechanical ventilation (Mandatory). Amend to read: Ventilation (Mandatory) Buildings and dwelling units shall be

provided with ventilation that complies with the requirements of the International Residential Code or International Mechanical Code, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation systems is not operating.

7. 2021 International Existing Building Code

Section 101.1 title. Amend: NAME OF JURISDICTION to The City of Bismarck)

Section 103 CODE COMPLIANCE AGENCY. Delete:

Section 104.8 Liability. Add: This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

Section 105.2 Work exempt from permit. Building. Add items 7 and 8:

7. Reroofing
8. Window Replacement

Section 112 Means of Appeals: Delete.

Section 201.3 Terms defined in other codes. Amend to read: Terms defined in other codes. Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, International Existing Building Code, it shall mean the most recent versions of the National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board. Wherever reference is made to flood plain requirements, it shall mean the local flood plain management ordinance.

(Ord. 4281, 8-23-89; Ord. 4314, 2-06-90; Ord. 4452, 07-21-92; Ord. 4688, 05-23-95; Ord. 4776, 07-23-96; Ord. 4911, 05-26-98; Ord. 4958, 12-21-98; Ord. 5316, 05-25-04; Ord. 5578, 02-26-08; Ord. 5802, 02-22-11; Ord. 6035, 04-08-14; Ord. 6035, 04-08-14; Ord. 6243, 1-24-17; Ord. 6322, 05-08-18; Ord. 6403, 02-17-20; Ord. 6544, 03-27-23)

4-02-07. Occupancy and Zoning Requirements. Structures shall conform to all requirements restricting use, occupancy and class of construction as established according to zoning and other ordinances.
(Ord. 5316, 05-25-04)

4-02-08. Permit Placard. Construction or alteration of any commercial, industrial or residential structure may not be commenced until the permit holder or agent posts a placard issued by the building official showing permit number, owner and address of the structure or proposed structure on the front of the building or premises. This placard shall remain posted until the certificate of occupancy has been issued.
(Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-02-09. Regulations Governing Electricians. Repealed January 23, 2018.
(Ord. 5316, 05-25-04; Ord. 6307, -1-23-18)

4-02-10. Violations. A violation of any of the provisions of the City of Bismarck Building Code is an infraction.
(Ord. 5316, 05-25-04; Ord. 5578, 02-26-08)

CHAPTER 4-03 DANGEROUS BUILDINGS

4-03-01. Adoption of the Uniform Code For the Abatement of Dangerous Buildings. There is hereby adopted by the City of Bismarck and incorporated by reference herein the 1997 edition of the Uniform Code For the Abatement of Dangerous Buildings as developed by the International Conference of Building Officials except those portions hereinafter deleted, modified or amended. One copy must be on file in the office of the City Administrator.
(Ord. 4282, 8-08-89; Ord. 4452, 07-21-92; Ord. 4688, 05-23-95; Ord. 4911, 05-26-98; Ord. 5316, 05-25-04)

4-03-02. Subsequent Editions. Subsequent editions or revisions of the code adopted by the provisions of this chapter shall be considered adopted and in full force and effect upon the approval thereof by the board and the filing of one copy in the office of the City Administrator.
(Ord. 5316, 05-25-04)

4-03-03. Conflicts. In the event of any conflict between the provisions of the code adopted by this chapter and applicable provisions of state law or city ordinances, rules and regulations, the provisions of state law or city ordinances, rules or regulations shall prevail and be controlling.
(Ord. 5316, 05-25-04)

4-03-04. Amendments. The Uniform Code For the Abatement of Dangerous Buildings is hereby amended as follows:

1. Definitions:

- a) "Building Official" or "Health Officer" means the building official or the director of public health, or the designated agent of the building official or the director of public health.

b) "Board of Appeal" means Board of City Commissioners.

2. Section 401.2, paragraph 4, is amended as follows:

Statements advising that if any required repair or demolition work (without vacation also being required) is not commenced within the time specified, a hearing will be scheduled before the board of city commissioners, at which time the board will hear the matter and may order the building vacated and posted to prevent further occupancy until the work is completed, and may proceed to cause the work to be done and charge the costs thereof against the property or its owner.

3. Section 401.2, paragraph 5, is hereby deleted.

4. A new subsection 401.6 is hereby added:

Upon failure of any owner to comply with the notice and order to repair, vacate or demolish any dangerous building, the building official or the director of public health shall schedule a hearing on the matter before the board of city commissioners. Service of a Notice of Hearing, substantially in compliance with Chapter 6 of this code, must be made on the parties as provided by this section. The hearing shall be conducted in accordance with Chapter 6 of this code.

5. Chapter 5, relating to Appeals, is hereby deleted.

6. The Title to Chapter 6 is hereby amended by deleting the word "Appeals" and making the word "Hearing" plural.

7. A new subsection 605.9 is hereby added:

Appeals. The decision shall state that the order of the board is final unless an appeal is taken to a court of competent jurisdiction within 30 days.

Reference: NDCC 40-05-02

(Ord. 4282, 8-08-89; Ord. 4688, 05-23-95; Ord. 5316, 05-25-04; Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-03-05. Violations. A violation of any of the provisions of the Uniform Code for the Abatement of Dangerous Buildings is an offense.

(Ord. 5316, 05-25-04)

CHAPTER 4-04

SIGNS AND OUTDOOR DISPLAY STRUCTURES

Chapter 4-04 relating to Signs and Outdoor Display Structures is hereby repealed.

(Ord. 6324, 07-26-20)

CHAPTER 4-05

MOVING AND DEMOLITION OF BUILDINGS AND STRUCTURES

4-05-01. Purpose. The purpose of this chapter is to establish and enforce minimum requirements for the demolition and moving of buildings and structures within the city's jurisdictional limits. This chapter is supplemental to all ordinances and regulations for use and occupancy.

(Ord. 5316, 05-25-04)

4-05-02. Permit Required. A permit is required for the demolition or moving of any building. The permit shall be issued by the building official, following application on forms furnished for that purpose, and determination that all requirements of this chapter have been or will be met. A permit will be issued only after the applicant has obtained a special use permit pursuant to Ordinance 14-03-08(4)(s) if the house is to be located within the zoning jurisdiction of the city.

(Ord. 4721, 08-22-95; Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-05-03. Demolition Permits. Demolition permits may be issued only on the following conditions:

- 1. The sewer and water connections must be disconnected from the city water and sewer system to the satisfaction of the city engineer.
- 2. Adjacent streets, sidewalks, and alleys will be properly protected by fences and scaffolds, and pedestrian traffic rerouted with approval of the city engineer.
- 3. All debris, rubbish, and combustible material must be removed from the premises upon completion of the demolition. Upon completion of the demolition the site must be filled and leveled with earth to conform with the grade of adjacent properties.
- 4. Foundations and concrete floors shall be completely removed.

(Ord. 4228, 9-27-88; Ord. 4284, 8-08-89; Ord. 5316, 05-25-04)

4-05-04. Moving Permits.

- 1. Prior to issuing a moving permit the owner, or his agent, of the building to be moved shall provide the following:
 - a. The route, in writing, over which the house or building is proposed to be moved. The route shall be approved by the police department, the forestry department, Montana-Dakota Utilities Company, Cable TV, and Capital Electric, telephone utilities and the City Engineering Department.
 - b. If applicable, a certificate of inspection from the building official showing that the house or building has been inspected and the requirements for construction, alteration and repairs necessary to place the building or house in conformity with the building code and other ordinances of the city will be met.
 - c. If applicable, a building permit be obtained by the owner of the structure and a foundation be in place before the issuance of the moving permit. The owner shall also agree to remove all rubbish and building materials including foundation walls and floors and fill all excavations to existing grade at the original building site and that sewer service line will be plugged and the water service shut off to the satisfaction of the city engineer.

d. If applicable, a copy of the special use permit allowing the placement of the building within the zoning jurisdiction of the city.

2. In addition to the above requirements, a moving permit may be issued only if:

a. The moving of the house or other building will not obstruct the orderly flow of traffic.

b. The axle loading of the moving equipment will not be over the legal limit prescribed by the city engineer for the streets over which the moving equipment will pass.

c. The house or building shall not be moved on to public right-of-way without providing barricades and signing approved by the police department or the traffic engineer's office.

d. A police escort shall be required for a house or building exceeding 12' in width and 13.5' in loaded height.

e. The moving of the house or building will not damage any trees within a public right-of-way. The owner or his agent shall pay for any necessary tree trimming. All tree trimming shall be performed by a licensed tree trimmer and shall be available at the time of moving.

f. All agencies needed for moving of overhead wires and cables and electricians needed for moving of traffic signals and street lights shall be available at the time of moving the structures.

g. A performance bond is posted by the owner with the City Administrator in an amount determined by the building inspector conditioned upon compliance with all city building codes.

h. The housemover files with the City Administrator a bond in the sum of Five Thousand Dollars in favor of the City and conditioned on the following:

1) The housemover will pay all damages which may result to the city or any person resident in the city or lawfully upon the streets or alleys of the city irrespective of whether the damage is to person or property, and whether the damage is caused by the housemover or his employees.

2) That the structure will be moved within three months after the permit is issued.

3) The housemover shall keep the city harmless against all liability, judgments, costs and expenses which may accrue against the city as a result of acts by the housemover in the moving.

4) The conditions of the permit, the laws of this state and the provisions of this code and ordinances of this city.

i. The housemover files with the City Administrator proof of liability insurance in the following amounts:

1) For injury or death to one person, not less than Two Hundred Fifty Thousand Dollars.

2) Subject to the limit for one person, not less than Five Hundred Thousand Dollars for injury or death to more than one person.

3) For property damage, not less than One Hundred Thousand Dollars.

(Ord. 4171, 9-01-87; Ord. 4228, 9-27-88; Ord. 4237, 1-03-89; Ord. 4586, 03-01-94; 4688, 05-23-95; Ord. 4721, 08-22-95; Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-05-05. Inspection. The building official shall inspect the building prior to demolition or moving. If any house or building to be moved is located outside the city, the owner shall deposit sufficient money with the City Administrator to cover the cost of the city for conducting an inspection.

(Ord. 4688, 05-23-95; Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

CHAPTER 4-06 SWIMMING POOLS

4-06-01. Purpose. The purpose of this chapter is to provide guidance in the design, construction and operation of swimming pools so as to protect the health, safety and general welfare of the public.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04)

4-06-02. Rules and Regulations. The director of public health shall promulgate reasonable rules and regulations covering approval of the design and construction of swimming pools and covering the operation and maintenance of public and semi-public swimming pools for the protection and promotion of public health and safety.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-06-03. Enforcement. The director of public health or agent shall enforce this chapter.

(Ord. 4865, 08-26-97; Ord. 5188, 7-23-02; Ord. 5316, 05-25-04; Ord. 5642, 11-13-07; Ord. 5707, 02-24-09; Ord. 6156, 10-13-15)

4-06-04. Definitions.

1. "Swimming pool" means any structure, basin, chamber or tank containing an artificial body of water for swimming, diving, recreational bathing or whirlpools and treatment pools.

2. "Residential swimming pool" means any swimming pool located on private property under the control of the homeowner, the use of which is limited to swimming or bathing by members of the homeowner's family or their invited guests.

3. "Public swimming pool" means any swimming pool usually open to any member of the public.

4. "Semipublic swimming pool" means any swimming pool, other than a residential pool or a public pool, which is intended to be used collectively by numbers of persons for swimming or bathing regardless of whether a fee is charged for such use. This definition includes swimming pools located in condominium and apartment house complexes.

5. "Seasonal swimming pool" means any above ground, prefabricated structure for holding water for swimming, diving or recreational wading or bathing including wading pools and hot tubs. The requirements of this chapter do not apply to the residential use of a seasonable swimming pool.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5642, 11-13-07)

4-06-05. Approval of Plans and Permits. A person may not construct, alter or reconstruct any public or semipublic swimming pool without:

1. Submitting the plans and specifications to the building official for approval. The plans must be drawn to scale and accompanied by proper specifications so as to permit a comprehensive engineering review of the plans including the piping and hydraulic details and must include:

a. Plan and sectional views with all necessary dimensions of both the pool and surrounding area.

b. A piping diagram showing all appurtenances including treatment facilities in sufficient detail, as well as appurtenant elevation data, to permit a hydraulic analysis of the system.

c. The specifications shall contain details on all treatment equipment, including catalog identification of pumps, chlorinators, chemical feeders, filters, strainers, interceptors and related equipment.

The criteria to be followed by the city in the review and approval of plans must be promulgated by rules and regulations as authorized by this chapter.

2. Obtaining a permit from the building official subject to the following:

a. An application for a permit to construct or remodel a public or semi-public swimming pool must be on forms provided, together with any supporting data as may be required for the proper review of the plans.

b. The pool and facilities must be built in accordance with the plans as approved. The owner or agent shall notify the city at specific predetermined stages of construction and at the time of completion of the pool to permit adequate inspection of the pool and related equipment during and after construction. The pool may not be placed in operation until inspections show compliance with the requirements of this chapter.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-06-06. Design Standards. All public and semi-public swimming pools must meet the following minimum standards:

1. The site of the proposed swimming pool must have approved water supply and waste disposal facilities available. In the case of outdoor pools, topography, protection from prevailing winds, the absence of trees in the near vicinity, distance from dusty roads and industries producing smoke or obnoxious odors, shall be considered in determining the suitability of proposed sites.

2. Grass, earth and sand areas must be excluded from the pool area. Overhanging foliage shall also be eliminated.

3. A high climb resistant fence, or other barrier, at least six feet in height shall completely encircle the pool area. Indoor pools without safety barriers may be located only in an area that can be locked during periods of nonuse, or be located so as to be under direct supervision at all times. Whirlpools or treatment pools may be located in locker rooms, used solely by adults, without the required barrier if there is at least a railing around such pool to warn of its presence.

4. Once the designed bather load is determined, the size of the swimming pool must be computed as follows:

a. Allow fifteen square feet per bather where water depth is less than five feet.

b. Allow twenty square feet of area per bather where water depth is over five feet excluding three hundred square feet of pool surface area around each diving board.

5. All materials used must be nontoxic, durable, waterproof and easily cleaned. The bottom and sides of pools must be either white or light color, except that aluminum or green-colored paints shall not be used as a finish. Pool sides and bottoms must be smooth and free from cracks or open joints.

6. A hydrostatic relief valve must be provided to prevent pool damage from high ground water levels.

7. The slope of the floor in the shallow portion of the pool may not be greater than one foot in fifteen feet where the water depth is less than five and one-half feet. There may not be sudden changes in slope in this area. In pools less than forty-two feet in length, the rate of slope in the shallow portion may not exceed one foot in eight feet. The bottom slope of the pool at depths greater than five and one-half feet may not be greater than one foot in three feet. The bottom of the pool shall slope to the main drain or the outlets. Joints between the floors and walls shall have a cove radius of at least one inch and may not exceed more than eight inches if the water depth is less than six feet.

8. Diving areas shall have adequate depth and clearance for safe diving. There may not be obstructions extending from the wall or the floor into the clear area of the diving portion of the pool. Extensively remodeled or newly

constructed swimming pools with diving areas shall meet the standards of the American National Standards Institutes-Standard for Public Swimming Pools.

9. Elevated diving boards for use by the general public may not be higher than ten feet above the water level. At least sixteen feet of unobstructed headroom extending eight feet behind, eight feet to each side and sixteen feet ahead of the center of the front tip of the board is required.

10. Ladders or stairs must be located at the shallow end and at both sides of the deep end of the pool and at intervals not to exceed seventy-five feet. All stairs entering a pool must be recessed, except that stairs entering special purpose or therapy pools need not be recessed if the design is approved by the building inspector. Treads of stairs where used must be of nonslip material. Steppholes are not recommended; however, where used, they must be of the recessed type and shall be self-draining into the pool and easily cleanable. Steps, ladders, or steppholes shall have a sturdy and easily visible handrail on either side and at the top leading out over the walk area.

A whirlpool or health pool not exceeding fifteen feet in maximum horizontal dimensions may have only one means of egress. Each means of egress must meet the requirements of this section.

11. A lifeline must be provided at or near the break in grade between the shallow and deep portions of the pool if the deep part of the pool exceeds 5 feet. It must be at least three-quarters inch in diameter, marked with color floats, and must be securely fastened to the pool walls with a non-corrosive recessed connector.

12. The depth of water in the pool must be plainly marked at points of maximum and minimum depth, at the break between the deep and shallow areas, and at intermediate depths spaced at not more than twenty-five foot intervals. The markers must be placed on the pool wall and edge of deck, be at least four inches in height and of a contrasting color, and must be located on both sides and ends of the pool. The depth markers on the pool decking shall be non-slip type.

The depth or depths of water in a whirlpool or health pool must be plainly marked at the water surface on the pool wall and/or on the deck next to the pool.

13. All walks and deck areas shall completely encircle the pool, be ample in size, and restricted to use of those attired for aquatic activities.

The finish texture of the walks and decks must be non-slip and comfortable to bare feet. Carpeting, floor matting or other porous materials which interfere with floor cleaning or provide a place for bacteria and fungi to multiply are prohibited.

All walks and decks must be uniformly sloped to drains or points at which the water will have a free unobstructed flow to points of collection. Sidewalks and deck areas not less than eight feet wide shall extend entirely around public pools. Walks and decks must have a slope of about one-quarter inch to the foot away from the pool or to a deck drain system, and must be smooth, free of open cracks

and/or broken areas, easily cleanable, non-slip construction. The edge of the pool at the junction with the runways must be rounded to form a handhold.

A minimum width of four feet of walk area must be provided for semipublic pools and shall extend entirely around the pool.

A minimum deck width of two feet must be provided on the sides and rear of any piece of diving equipment.

A whirlpool or health pool must be completely surrounded by a four-foot walkway. If the space is limited and the pool is no more than ten feet wide, a four-foot deck is required on its long side. A deck of at least twelve inches wide shall be maintained on the remaining sides.

Whirlpools or health pools maintained in the same areas as swimming pools must be separated from the pool by at least twelve inches and must be protected with a railing to prevent the use of the separation as a walkway unless the walkway is eight feet or greater in width.

Sufficient hose bibs of not less than three-fourths inch, equipped with approved type backflow preventers, must be provided for cleaning all of the pool area.

14. One lifeguard must be provided for each two thousand square feet of pool surface area or fraction thereof. If a pool requires two lifeguards, they must be positioned on opposite sides of the pool. Lifeguards are not required if the pool is less than two thousand feet in water surface and is classified as semipublic.

At least one set of lifesaving equipment must be provided consisting of:

a. One or more poles at least one-half the width of the pool plus two feet, but need not exceed sixteen feet in length, having a shepherd's crook with an aperture of at least eighteen inches between the tip of the hook and the pole;

b. One or more U. S. Coast Guard approved throwing rings having a minimum diameter of eighteen inches equipped with one—quarter-inch line not less than one and one-half the width of the pool.

15. The water supply serving the pool must meet the requirements of the North Dakota Department of Health for potable water. The state health officer may approve the use of water from natural sources when special water treatment is provided. All portions of the potable water supply serving the pool and auxiliary facilities must be protected against backflow. Potable water introduced into the pool, either directly or to the recirculation system shall be supplied through an air gap, an approved-type backflow preventer, or other approved means.

16. The recirculation system shall consist of pumps, hair and lint catchers and filters, necessary pipe connections to the inlets, outlets and skimmers of the pool and a system for backwashing of the filters. A pool which has only one main drain must have an anti-vortex cover securely attached to the

drain. The re-circulation, skimmer and overflow systems shall meet the current design standards of the National Spa and Pool Institute when the pool is designed and built. As an integral part of the system, equipment must be provided for disinfecting the water and adding any necessary chemicals and makeup water.

The recirculation system must have adequate filtration and pumping capacity to provide one complete turnover of the pool water every six hours.

The water circulation and treatment system for a wading pool, plunge pool or health pool must be adequate for re-circulating and treating the entire pool volume of water in no more than two hours, and in less time, if necessary, to meet the hydraulic requirements for a surface skimmer system. The water circulation and treatment system for a whirlpool must be adequate for re-circulating and treating the entire pool volume of water in no more than thirty minutes.

17. Suction cleaners either of the portable type or as part of the permanent piping system are required.

18. A rate-of-flow indicator capable of measuring at least one and one-half times the design flow rate must be installed on the filter effluent line leading to the pool. The indicator must be calibrated to read in gallons per minute and capable of measuring both water for filtration and backwash where applicable.

19. A hair and lint catcher of acceptable design must be provided on all recirculation systems except where the filter is located prior to the pump suction.

20. Pool heaters must be installed on a bypass line on the discharge side of the filtration system. A heater capacity of from seven to ten BTU per hour per gallon of water is recommended.

Swimming may not be permitted when the water temperature falls below sixty-five degrees Fahrenheit or when the water temperature exceeds ninety degrees Fahrenheit.

Water temperatures of whirlpools or health pools may not exceed one hundred five degrees Fahrenheit.

21. Filtration.

a. Pressure sand filter systems must be provided with the following:

(1) Gauges on each battery on the inlet and outlet pipe to determine loss of head in the filter medium.

(2) Air release with a manual control on the highest point of each filter.

(3) A readily removable head or manhole with sufficient working space to facilitate inspection and repair.

(4) A sight glass installed on the waste discharge line so the operator may watch the progress of filter washing.

(5) Freeboard of eighteen inches between the surface of the filter material and the overflow troughs.

(6) Filter piping arrangement should be as simple as possible to accomplish filtration, backwashing, and filter to waste.

b. High rate sand filters must be sized to operate at filtration rates no greater than fifteen gallons per minute per square foot of surface area.

c. The following special requirements must be satisfied in diatomaceous earth filtration:

(1) Slurry feeding equipment to provide for continuous application at an accurate and uniform rate of filter aid material into a filter influent line. This equipment shall have a capacity to feed not less than 0.1 pounds of diatomaceous earth per square foot of filter area over a twenty-four hour period. The slurry feeder is required when exceeding 1.5 gallons per minute per square feet of filter area.

(2) Pressure gauges installed on both the influent and effluent side of each filter for pressure diatomite filter system. A vacuum diatomite system must have a pressure and vacuum gauge for each filter.

(3) The filter piping must be installed with a re-circulating pre-coat line to permit recirculation of the water from the effluent side of the filter back to the influent side until a satisfactory clear filter effluent is produced prior to admitting the water into the pool.

d. Cartridge filtration shall not exceed .187 gallons per minute per square foot. An extra set of cartridges must be available.

e. All filters shall comply in all respects with the standards of the National Sanitation Foundation covering filters.

22. The system shall include a feeder and monitor for the introduction of approved chemicals to control the pH of the water. Solution pots are not approved. Positive feed chemical machines are required.

23. Every pool must be provided with approved testing equipment for determination of disinfection residuals and hydrogen ion (pH) concentration. The disinfectant residual tester must have a minimum range between zero and five milligrams per liter. The hydrogen ion tester must have a pH range of from 6.8 to 8.4.

24. Equipment must be provided to adequately disinfect the pool at all times. The most common means of pool disinfection is through the application of chlorine; but other elements in the halogen group, bromine or iodine, may be used in swimming pools. All public and semi-public pools must be equipped with automatic monitoring and chemical feeding equipment. The use of compressed chlorine gas shall be prohibited for new construction and after substantial alteration to existing disinfection system of aquatic facilities. Compressed chlorine gas, when used, must be supplied by means of a cylinder mounted vacuum operated gas chlorinator of the fail safe type in all public and semipublic pools.

25. The housing for the gas chlorinator and all appurtenances must meet the following specifications:

a. Be a separate reasonably gas-tight, corrosion-resistant mechanically vented enclosure or room. The room shall be at ground level and permit easy access to all equipment. The door of the room shall open to the outside and shall not open to the swimming pool or equipment room area.

b. The exhaust fan must be capable of one or more air exchanges per minute. The fan must be located at floor level or equipped with an intake extending to within six inches floor level exhausting to an outside atmosphere in an unrestricted area. Fresh air intake louvers near the top of the enclosure are required.

c. A clear glass window must be installed in the door or wall of the chlorinator room to permit the chlorinator to be viewed without entering the room.

d. Electrical switches for the control of artificial lighting and ventilation must be activated by the operation of the door. The electrical switch must be provided with a manual override in a secure area.

e. Two gas masks approved by the National Institute for Occupational Safety and Health (NIOSH) for use with chlorine atmospheres shall be provided and used when performing maintenance on compressed gas chlorine tanks. Gas masks shall be in working condition, maintained in good repair and accessible at all times. A minimum of two operators shall be involved in the changing of the chlorine gas storage tanks. One of the operators shall be stationed outside of the chemical room where the other operator inside can be seen at all times.

f. Scales must be provided for weighing chlorine cylinders. Automatic switching tank and/or metered valves may be used.

g. Chlorine cylinders shall be securely anchored at all times.

h. A chlorine institute-approved safety kit is recommended.

26. A complete system of artificial lighting must be provided for all pools, bathhouses and dressing rooms which are to be used at night.

Area lighting shall provide at least 0.6 watt per square foot of pool and deck area.

The entire electrical installation must meet the requirements of the state electrical code.

27. There must be an absolute separation of the space used by spectators and that used by bathers. There should be no means by which the bather can enter the space reserved for the spectators or vice versa. The spectator area must have a separate entrance. Galleries for spectators shall not overhang any portion of the pool surface. Floor of the gallery should be tightly constructed to prevent dirt from getting into the pool.

28. Bathhouse: if provided:

a. The bathhouse must be located to provide entrance to the pool area near the shallow end of the pool only.

b. A dressing room area of not less than 3.5 square feet per person must be provided.

c. Floors must be of smooth, non-slip, impervious construction and sloped to drains at one-quarter inch per foot. Adequate floor drains must be installed in all areas subject to water accumulation.

d. Dressing room booths and furnishings must be of simple design and must be constructed of impervious and smooth materials that will permit hose cleaning. Partitions in booths shall terminate six inches above the floor.

e. Connections of three-quarter inch hose bibs must be provided for area cleanup.

f. Natural and/or artificial ventilation must be provided.

g. A minimum lighting level of ten foot candles at a point three feet from the floor must be available during both day and night.

h. A clothing storage area must be provided.

29. All piping and plumbing must be installed in compliance with the requirements of the North Dakota State Plumbing Code.

30. Warm water must be provided at all shower heads. The water heater and thermostatic mixing valve must be inaccessible to the bathers and be capable of supplying two gpm of ninety degrees Fahrenheit water to each shower head.

One shower head must be provided for each forty swimmers expected at maximum pool load.

Shower rooms must be located adjacent to the dressing rooms and shall not be used as hallways between the dressing rooms and pool.

31. Soap dispensers must be provided for each lavatory and between each pair of shower heads.

32. Piping carrying wastewater from swimming or wading pools including pool drainage, backwash from filters, water from overflow systems or floor drains which serve walks around pools, must be installed as an indirect waste utilizing any existing circulation pump, if necessary, when indirect waste line is below the sewer grade.

33. A wading pool must have a maximum depth at the deepest point not greater than eighteen inches. It may be constructed adjacent to the swimming pool, but it may not be part of the swimming pool and must be separated therefrom by a fence or partition sufficiently high to prevent waders from entering the swimming pool area.

The supply to the wading pool must be filtered and chlorinated water from the pool recirculation system. The outlets from the wading pool shall be piped independently to the filter. Due to the high degree of pollution a wading pool shall have a maximum turnover cycle of two hours.

34. A training pool must have a minimum depth of 18 inches and a maximum depth of 3 feet. It may be constructed adjacent to a swimming pool and must be separated therefrom by a fence or partition of sufficient height to prevent waders from entering the swimming pool area.

The supply to the training pool must be filtered and chlorinated water from the pool recirculation system. The outlets from the training pool must be piped to the filtration system independently of the pool. The maximum turnover rate cycle is four hours.

35. Each public swimming pool must be supervised by a person qualified in the fields of lifeguard training, CPR, first aid, equipment operation and pool sanitation. Individuals are considered qualified in lifeguard training CPR and first aid if they hold an appropriate Red Cross, YMCA or equivalent certificate.

36. Indoor pools:

a. Humidity. A relative humidity of forty to sixty percent must be maintained.

b. Ventilation. Ventilation must be provided to remove excess moisture and help control humidity, within the pool and dressing room areas, without subjecting bathers to drafts.

c. Lighting. Artificial illumination must be designed to maintain a minimum of fifteen and preferably one hundred footcandles of illumination at deck level.

d. Heating. The dressing rooms must be provided with heating facilities that are capable of maintaining a constant temperature level of between 70 and 75 degrees Fahrenheit.

e. Pool rooms must be equipped with heating facilities that are capable of maintaining a constant temperature level of 75 to 82 degrees Fahrenheit.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5642, 11-13-07; Ord. 5707, 02-24-09; Ord. 5963, 05-13-13; Ord. 6356, 1-8-19)

4-06-07. Operation Licenses. A person may not operate or maintain a public or semi-public swimming pool unless a license has been obtained to operate such pool. The permit must be obtained by April 1st of each year from the director of public health, and is valid until March 31st of the following year unless revoked for cause. A person operating a semi-public or public pool must be licensed as a "Certified Pool Operator" by the National Swimming Pool Foundation. If a certified operator is no longer employed by the pool owner, the new operator, if not already certified, must seek certification at the earliest opportunity not to exceed six months.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5642, 11-13-0, Ord. 5707, 02-24-09; Ord. 6156, 10-13-15; Ord. 6240, 12-13-16)

4-06-08. License Fee. The fee for a license to conduct, operate and maintain a public or semipublic swimming pool is as determined from time to time by the city commission, shall be kept on file with the office of the city administrator and must be paid before the issuance of any license.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5642, 11-13-07; Ord. 6240 12-13-16)

4-06-09. Operational Practices. The following are minimum operational practices required at all public and semipublic swimming pools:

1. Operate recirculation system continually 24 hours per day during the normal seasonal operation to insure clarity of pool water.

2. Maintain pH values between 7.4 to 7.6, except that other values may be acceptable provided they are approved by the city.

3. Maintain a free chlorine residual of between 2.0 to 4.0 mg/liter for swimming pools and 3.0 to 5.0 mg/liter for whirlpools. Swimming pools using bromine as a disinfectant shall operate at levels between 4.0 to 6.0 mg/liter. Combined chlorine levels must be no more than 0.5 mg/liter for all pools. Achieve break point chlorination (combined chlorine X 10) as soon as possible when combined chlorine levels are greater than 0.5 mg/liter.

4. In the event that a pool is contaminated with fecal matter, vomit or blood, the operator shall do the following:

If the pool is contaminated with a formed (solid, non-liquid) stool or vomit:

- a. Immediately close the pool and evacuate swimmers;
- b. Remove the fecal matter or vomit with a net or scoop and dispose in a sanitary manner;
- c. Maintain the free chlorine residual of 2.0 mg/liter or higher and ensure the pH is 7.5 or less and the pool temperature is 77 degrees Fahrenheit or higher for at least 25 minutes;
- d. Reopen the pool once disinfectant levels and pH are within the normal operating range;
- e. Document the incident in the daily records.

If the pool is contaminated with a loose stool (diarrheal discharge):

- a. Immediately close the pool and evacuate swimmers;
- b. Remove as much fecal material as possible using a net or scoop and dispose in a sanitary manner;
- c. Raise the free chlorine residual to 20 mg/liter and confirm by using chlorine test strips or making test kit sample dilutions. Maintain a pH of 7.5 or less and a pool temperature of 77 degrees Fahrenheit or higher. Maintain the pH and chlorine level for at least 12.75 hours;
- d. Backwash the filter after the full disinfection time. Discharge the effluent directly to waste;
- e. Reopen the pool once disinfectant levels and pH are within the normal operating range.
- f. Document the incident in the daily records.

If the pool is contaminated with blood:

- a. Check the free chlorine or bromine residual at the time of the incident. If below the required minimum residual level, the operator shall immediately close the pool until free chlorine or bromine residual is verified at or above the required minimum.
- b. Document the incident in the daily records.

Brominated pools contaminated with fecal matter or vomit shall have chlorine added to the pool in the amount that will increase the free chlorine residual to the level specified for the specific type of contamination for the specified time. The bromine residual and pH shall be within the normal operating range before reopening the pool.

Small capacity pools and whirlpools may be optionally drained, disinfected and refilled. Chlorine levels must be within normal range before re-opening the pool.

5. Infants and bathers requiring diapers, must use approved "Swim Diapers."

6. Bathers having any communicable infection, must not be permitted to use the pool.

7. Post pool rules in an easily viewed location.

8. Maintain the pool and related facilities in a clean manner at all times.

9. Keep the pool surface free of film and floating dirt and the pool bottom free of sediment.

10. Scrub the bathhouse floors daily with a liberal application of 0.25 - 1.0% chlorine solution.

11. Require all patrons to take a cleansing shower using warm water before entering the pool.

12. Keep a daily record of operation of the recirculation system, chemical additions, pH and chlorine residuals, and bathing load. Monitoring record of the operation shall be performed during bather activity. Chlorine and pH testing must be performed and recorded at least three times daily; upon opening and at intervals not less than two hours apart. Due to the limited usage of condominium pools, testing must be conducted at least once daily and written daily record keeping indicating pH and chlorine residuals must be maintained. Fecal, vomit and blood contamination incidents shall be documented in the daily record. The information recorded at the time of the incident shall include:

a. Person conducting response;

b. Date and time of incident;

c. Specific area contaminated by incident;

d. Bather load at the time of incident;

e. Incident specifics, including type and form of body fluid observed (for example, loose or formed stool, vomit or blood);

- f. The date and time the pool was closed;
- g. Whether the pool uses chlorine stabilizer;
- h. Free chlorine residual, pH and pool temperature at the time of incident;
- i. Remediation procedures used after the incident;
- j. The date and time the pool was reopened;
- k. Free chlorine residual, pH and pool temperature at the time of reopening;
- l. Total contact time of disinfectant.

13. Collect monthly samples of the pool water and submit to a laboratory certified by the North Dakota Department of Health for bacterial analysis. All samples collected will be analyzed by a laboratory certified by the North Dakota Department of Health. Fees for analysis of samples will be determined by the laboratory conducting the testing and charged to the owner. All billing and collections for sample analysis will be the responsibility of the laboratory. Pools that fail bacterial testing shall be super chlorinated and shall have a new sample submitted to a certified laboratory, within eight (8) days of the date of the failed sample. For the purpose of public safety, Bismarck-Burleigh Public Health can require additional pool sampling if deemed necessary. Failure to perform the testing as required may constitute closure of the pool.

14. No more than three consecutive water samples from the same body of water submitted may exceed the current acceptable bacteriological standards for swimming pools as established by the North Dakota State Department of Health. The failure of three consecutive water samples to meet this standard may result in closure of the pool.

15. All swimming pools must be super chlorinated to between ten to fifteen mg/liter for at least six hours prior to seasonal startup and at any time during seasonal operation when needed for algae control, disinfection or chemical balance.

16. The swimming pool water must be of such chemical and physical qualities that when a standard test disc is placed in the deepest portion of the pool it is readily visible. Failure to meet this requirement constitutes grounds for immediate closing.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 5642, 11-13-07; Ord. 5963, 05-13-13; Ord. 6240, 12-13-16; Ord. 6356, 1-8-19)

4-06-10. Residential Pools. Residential swimming pools are subject to the following:

1. Private swimming pools in residential areas may be located only in the rear yards and no part of the pool may be less than four feet from any property line. Equipment enclosures and any other above grade pool-related structures shall comply with the requirements for accessory structures in the zoning district in which the pool is located.

2. No cross-connection is allowed between any private swimming pool and the city water supply.

3. Private pools may not be located, designed, operated or maintained as to interfere unduly with the enjoyment of the property rights of the adjacent property owners.

4. An admission fee may not be charged for the use of any private swimming pool located within the city.

5. Lights used to illuminate any private swimming pool must be so arranged and shaded as to reflect light away from the adjacent premises.

Outdoor Residential Swimming Pool

Unless excepted by this section, all outdoor swimming pools shall be provided with a barrier that shall be installed, inspected and approved prior to plastering or filling with water. The barrier shall comply with the following:

1. The top of the barrier shall be at least 72 inches above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance at the bottom of the barrier may be increased to 4 inches when a grade is a solid surface such as concrete deck, or when the barrier is mounted on the top of the aboveground pool structure. When barriers have horizontal members spaced less than 45 inches apart, the horizontal members shall be placed on the pool side of the barrier. Any decorative design work on the side away from the swimming pools, such as protrusions, indentations or cutouts, which render the barrier easily climbable, is prohibited.

EXCEPTIONS:

a. Spas and hot tubs with a lockable safety cover that complies with ASTM F 1346.

b. Swimming pools with a powered safety cover that complies with ASTM F 1346.

2. Openings in the barrier shall not allow passage of a 1 3/4 inch diameter sphere.

EXCEPTIONS:

a. When vertical spacing between such openings is 45 inches or more, the opening size may be increase such that the passage of a 4 inch diameter sphere is allowed.

b. For fencing composed of vertical and horizontal members, the spacing between vertical members may be increase up to 4 inches when the distance between the tops of the horizontal members is 45 inches or more.

3. Chain link fences used as a barrier shall not be less than 11 gauge.

4. Access gates shall comply with the requirements of Items 1 through 3. Pedestrian access gates shall be self-closing and have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate, (1) the release mechanism shall be located on the pool side of the barrier at least 3 inches below the top of the gate, and (2) the gate and barrier shall have no opening greater than 1/2 inch within 18 inches of the release mechanism. Pedestrian gates shall swing away from the pool. Any gates other than pedestrian access gates shall be equipped with lockable hardware or padlocks and shall remain locked at all times when not in use.

5. Where a wall of a residential dwelling unit serves as a part of the barrier and contains door openings between the dwelling unit and outdoor swimming pool, which provide direct access to the pool, a separation fence meeting the requirements of Items 1, 2, 3 and 4 of this section shall be provided.

EXCEPTION: When approved by the building official, one of the following may be used:

a. Self-closing and self-latching devices installed on all doors with direct access to the pool with a release mechanism located a minimum of 54 inches above the floor.

b. An alarm installed on all doors with direct access to the pool. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door and its screen, if present, are opened, and be capable of providing a sound pressure level of not less that 85 dBa when measured indoors at 10 feet. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as a touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last no longer than 15 seconds. The deactivation switch shall be located at least 54 inches above the threshold of the door.

c. Other means of protection may be acceptable so long as the degree of protection is afforded is not less than that afforded by any of the devices described above.

6. Where an aboveground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, then (1) the ladder or steps shall be capable of being secured, locked or removed to prevent access or (2) the ladder or steps shall be

surrounded by a barrier which meets the requirements of Items 1 through 5. When the ladder or steps are secured, locked or removed, any opening created shall be protected by a barrier complying with Items 1 through 5.

Covered hot tubs with secured lids and swimming pools with water depths of 24 inches or less are exempt from this section.

Indoor Residential Swimming Pools

For an indoor swimming pool, protection shall comply with the requirements of Item 5 for Outdoor Residential Swimming Pools.

(Ord. 4865, 08-26-97; Ord. 5316, 05-25-04; Ord. 6244, 1-24-17)

CHAPTER 4-07

FIRE PREVENTION CODE

4-07-01. Adoption of the City of Bismarck Fire Prevention Code. There is hereby adopted by the City of Bismarck and incorporated by reference herein the City of Bismarck Fire Prevention Code, which shall consist of the following codes, except those portions hereinafter deleted, modified or amended:

International Fire Code (IFC), same edition as the adopted International Building Code;

Bismarck Building Code

(Ord. 4302, 11-07-89; Ord. 4688, 05-23-95; Ord. 4911, 05-26-98; Ord. 5316, 05-25-04; Ord. 5497, 04-25-06)

4-07-02. Subsequent Editions. Subsequent editions or revisions of the codes adopted by Section 4-07-01 shall be the same edition as the International Building Code, as referenced by the Bismarck Building Code, and is considered adopted and in full force and effect within the city upon the adoption of the Bismarck Building Code by the City of Bismarck and the filing of one copy of the Fire Prevention Code in the office of the City Administrator.

(Ord. 4302, 11-07-89; Ord. 4688, 05-23-95; Ord. 5316, 05-25-04; Ord. 5497, 04-25-06)

4-07-03. Conflicts. In the event of any conflict between the provisions of the Code adopted by this chapter and applicable provisions of state law or city ordinances, rules or regulations, the provisions of the city ordinances, rules, or regulations shall prevail and be controlling.

(Ord. 5316, 05-25-04; Ord. 5497, 04-25-06)

4-07-04. Definitions.

1. Whenever the word "municipality" or the word "city" is used in any code adopted pursuant to this title, it means the City of Bismarck, North Dakota.

2. Whenever the words "corporate counsel" or "city attorney" is used in any code adopted pursuant to this title, it means the city attorney of the City of Bismarck, North Dakota.

3. Whenever the term "International Building Code" is used in the International Fire Code, it shall mean the "Bismarck Building Code."

4. Whenever the term "International Plumbing Code" is used in the International Fire Code, it shall mean the "North Dakota State Plumbing Code."

5. Whenever the term "ICC Electrical Code" is used in the International Fire Code, it shall mean the "Wiring Standards of North Dakota."
(Ord. 5497, 04-25-06)

4-07-05. Permit Fees. The fee for any permit or license required by the International Fire Code and authorized by the fire chief, shall be as approved by the Board of City Commissioners. The fee for permits not specifically approved and listed, is the sum of twenty-five dollars.
(Ord. 5497, 04-25-06; Ord. 5707, 02-24-09)

4-07-06. Amendments. The International Fire Code adopted by the provisions of this article is hereby amended as follows:

Section 101.1 Title. These regulations shall be known as the City of Bismarck Fire Prevention Code, hereafter referred to as "this code."

Section 102.3 Change of use or occupancy. Amend to read: A change of occupancy shall not be made unless the use or occupancy is made to comply with the requirements of this code and the International Existing Building Code.

Exception: Where approved by the Building Official, a change of occupancy shall be permitted without complying with the requirements of this code and the International Existing Building Code, provided that the new or proposed use or occupancy is less hazardous, based on life and fire risk, than the existing use or occupancy.

Section 103. Department of Fire Prevention. Deleted.

Section 104.6 Official Records. Amend to read: The fire department shall keep official records as required by Sections 104.6.1 through 104.6.4. Such records shall be retained in the official records for the period required for retention of public records.

Section 105.1.1 Permits Required is amended to read as follows:

A property owner or owner's authorized agent who intends to conduct an operation or business, or install or modify systems and equipment that are regulated by this code, or to cause any such work to be performed, shall first make application to the fire code official and may be required to obtain a permit.

Section 105.2 Application. Amend to read: Where a permit is required by Sections 105.5 or 105.6, the application shall be made to the fire code official in such form and detail as prescribed by the fire code official.

Applications for permits shall be accompanied by such plans as prescribed by the fire code official.

105.5 Required Operational Permits. The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.5.2 through 105.5.52. Operations requiring Permits include:

- a. 105.5.16 Explosives
- b. 105.5.34 Open burning
- c. 105.5.42 Pyrotechnic special effects material

Section 105.6 Required construction permits. Amend to read: The fire code official is authorized to issue construction permits for the work as set forth in Sections 105.6.1 through 105.6.24. Construction work requiring permits include:

- d. 105.6.1 Automatic fire-extinguisher systems
- e. 105.6.3 Cryogenic fluids
- f. 105.6.6 Fire alarm and detections systems and related equipment
- g. 105.6.7 Fire pumps and related equipment
- h. 105.6.8 Flammable and combustible liquids – Tank Permit
- i. 105.6.10 Gas detection systems
- j. 105.6.11 Gates and barricaded across fire apparatus access roads
- k. 105.6.15 LP-gas-Tank Permit
- l. 105.6.22 Spraying or dipping
- m. 105.6.23 Standpipe systems

108.3 Concealed work. Amend to Read: It shall be the duty of the permit applicant, owner, occupant, or duly authorized agent to cause the work to remain visible and able to be accessed for inspection purposes. Where any installation subject to inspection prior to use is covered or concealed without having first been inspected, the fire code official shall have the authority to require that such work be made visible and bale to be accessed for inspection. Neither the fire code official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

Section 111 Means of Appeals: Deleted.

Section 112.4 Violation penalties. Amend to read: A person who violates a provision of this code or who fails to comply with any of the requirements thereof or who erects, installs, alters, repairs or does work in violation of the approved construction documents or directives of the fire code official, or of a permit or certificate used under the provisions of this code, shall be guilty of an infraction. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 113.4 Failure to comply. Amend to read: Any person who continues any work after having been served with a stop work order, except work as that person is directed to perform to remove a violation of unsafe condition, shall be guilty of an infraction.

Section 202 General Definitions

Commercial Motor Vehicles. Amend to read: A motor vehicle used to transport passengers or property, or motorized equipment where the motor vehicle(s) or equipment:

1. Has a gross vehicle weight rating of 10,000 pounds or more; or
2. Have combined weights greater than 26,000 lbs.; or
3. Is designed to transport 16 or more passengers, including the driver.

Fireworks, 1.4G is deleted in its entirety and replaced with the following:

Small fireworks devices containing restricted amounts of pyrotechnic composition designed primarily to produce visible or audible effects by combustion or deflagration that complies with the construction, chemical composition and labeling regulations of the DOTn for Fireworks, UN0336, and the U.S. Consumer Product Safety Commission as set forth in CPSC 16 CFR Parts 1500 and 1507, or otherwise listed and defined in NDCC 23-15-01.

Those items defined or otherwise listed in NDCC 23-15-01.

Occupancy classifications Group E, day care facilities.

Educational group E.

Occupancy classifications Educational Group E, day care facilities is amended to read as follows: This group includes buildings and structures or portions thereof occupied by more than twelve children older than 2 ½ years of age who receive educational, supervision or personal care services for less than 24 hours per day.

Five or fewer children. Amend to read: Twelve or fewer children. A facility having twelve or fewer children receiving such day care shall be classified as part of the primary occupancy.

Occupancy classifications Educational Group E, Five or fewer children in a dwelling unit. Amend to read: A facility such as the above within a dwelling unit and having twelve or fewer children receiving such care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code.

Institutional Group I-4, day care facilities. Amend to read: Institutional Group I-4 occupancy shall include buildings and structures occupied by more than twelve persons of any age who receive custodial care for fewer than 24 hours per day by persons other than parents or guardians, relatives by blood, marriage or adoption, and in a place

other than the home of the person cared for. This group shall include, but not be limited to, the following:

Adult day care.
Child day care.

Classification as Group E. Amend to read: A child day care facility that provides care for more than twelve but not more than 100 children 2 ½ years of age, where the rooms in which children are cared for are located on a level of exit discharge serving such rooms and each of these child care rooms has an exit door directly to the exterior, shall be classified as Group E.

Five or fewer occupants receiving care in a dwelling unit. Amend to read: A facility such as the above within a dwelling unit and having twelve or fewer persons receiving custodial care shall be classified as a group R-3 occupancy or shall comply with the International Residential Code.

Five or fewer occupants receiving care. Amend to read: A facility having twelve or fewer persons receiving custodial care shall be classified as part of the primary occupancy.

Section 307.1.1 Prohibited open burning. Amend to read: Open burning requires a permit and shall be prohibited when atmospheric conditions or local circumstances make such fires hazardous. All open burning, including bonfires, is banned when the fire index is at the high, very high or extreme level and any time during a red flag warning.

Section 307.3 Extinguishment authority. Amend to read: When any fire creates or adds to a hazardous situation, is offensive or objectionable due to smoke emissions, or a required permit for open burning has not been obtained, the fire code official is authorized to order the extinguishment of the fire.

307.4.2 Recreational Fires. Amend to read: Recreational fires shall not be conducted within 25 feet (7620 mm) of a structure or combustible material. Conditions that could cause a fire to spread within 25 feet (7620 mm) of a structure shall be eliminated prior to ignition. Recreational Fires shall be prohibited when atmospheric conditions or local circumstances make such fires hazardous. Recreational fires are banned when the fire index is at the very high or extreme level and any time during a red flag warning.

307.4.3 Portable Outdoor Fireplaces. Amend to read: Portable outdoor fireplaces shall be used in accordance with the manufacturer's instructions and shall not be operated within 15 feet (3048 mm) of a structure or combustible material.

Exception: Portable outdoor fireplaces used at one-and two-family dwellings are exempt from distance requirement from structures and combustible materials.

Use of portable outdoor fireplaces shall be prohibited at all occupancy types, to include one-and two-family dwellings, when atmospheric conditions or local circumstances make sure fires hazardous. Use of portable outdoor fireplaces are banned when the fire index is at the very high or extreme level and any time during a red flag warning.

Section 308.1.4, Open-flame cooking devices. Amend to read: Charcoal burners and other open-flame cooking devices shall not be operated on combustible balconies or decks or within 10 feet (3048 mm) of combustible construction.

Exceptions:

1. One- and two-family dwellings.
2. Where buildings, balconies and decks are protected by an automatic sprinkler system.
3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 47.8 pounds [nominal 20 pounds (9 kg) LP-gas capacity]. Devices using deep oil containers, (i.e. turkey fryers), are not included in this exception.

Section 308.1.6.3 Sky Lanterns. delete in its entirety to be consistent with fireworks definition and restrictions.

Section 308.3 Group A Occupancy. Add:

- 1.4 Open-flame devices for food warming.

Section 503.2.3 Surface. Amend to read: Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus, shall be surfaced so as to provide all weather driving capabilities, and shall meet the specifications of the City Engineering Department.

Section 510.5 Installation requirements. Delete

Section 901.6 Add: Exception 1: Non-required systems may continue to exist and be taken out of service with approval of the fire code official.

Section 903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with Group R fire area.

Exception: One and Two-family dwellings constructed in accordance with the IRC.

Section 903.3.1 Standards. Amend to read: Sprinkler systems shall be designed with a 5 psi safety margin and installed in accordance with

Sections 903.3.1.1, 903.3.1.2 or 903.3.1.3 and other chapters of this code, as applicable.

Section 903.3.1.2.1 Balconies and decks. Amend to read: Sprinkler protection shall be provided for exterior balconies, decks and ground floor patios of dwelling units and sleeping units where the building is of Type V construction, provided there is a roof, overhang six (6) inches greater, or deck above. Sidewall sprinklers that are used to protect such areas shall be permitted to be located such that their deflectors are within 1 inch (25 mm) to 6 inches (152 mm) below the structural members and a maximum distance of 14 inches (356 mm) below the deck of the exterior balconies and decks that are constructed of open wood joist construction.

Section 905.1 General. Add: Class II and III standpipe systems are prohibited. Where required within this section, all standpipe systems shall meet the requirements of a Class I standpipe.

Add Section 905.1.1 Standpipe Hose. The installation of fire hose on standpipes may be omitted when approved by the fire code official. Approved standpipe hose valves and connections shall be provided where required.

Section 907.2.3 Group E Add: Where approved by the fire code official, a building's emergency communication system interfaced with the fire alarm system in accordance with NFPA 72 is acceptable.

Section 907.2.11.1 Group R-1. Exceptions. Add: In dwelling units where the ceiling height of a room open to the hallway serving the sleeping rooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallway and in the adjacent room.

Section 907.2.11.2 Group R-2, R-3, R-4 and I-1. Exceptions. Add: In dwelling units where the ceiling height of a room open to the hallway serving the sleeping rooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallway and in the adjacent room.

Section 907.8.3 Smoke Detector Sensitivity: Delete:

1009.8.1 System requirements. Amend to read: Two-way communication systems shall provide communication between each required location and the fire command center or a central control point location approved by the fire department. Where the central control point is not constantly attended, a two-way communication system shall have a timed automatic telephone dial-out capability to a monitoring location. The two-way communication system shall include both audible and visible signals.

Section 1011.1 General. Exceptions. Add: Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public.

Section 1011.2 Width and capacity. Add: Exception. Stairways used to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public.

Section 1011.5.2 Riser height and tread depth. Amend item 3 and add item 6 to read:

3. In Group R-3 occupancies; within dwelling units in Group R-2 occupancies; and in Group R-3 occupancy or accessory to individual dwelling units in Group R-2 occupancies; the maximum riser height shall be 8 inches; the minimum tread depth shall be 9 inches; the minimum winder tread depth at the walk-line shall be 10 inches; and the minimum winder tread depth shall be 6 inches. A nosing projection not less than $\frac{3}{4}$ inch but not more than $1\frac{1}{4}$ inches shall be provided on stairways with solid risers where the tread depth is less than 11 inches.
6. Amend as follows: Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public are permitted to have a maximum 8-inch riser height and minimum 9-inch tread depth.

Section 1011.11 Handrails. Exceptions, Add:

5. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public shall have a handrail on at least one side.
6. Vehicle service pit stairways are exempt from the rules for stairway railings and guards if they would prevent a vehicle from moving into place over the pit.

Section 1015.2 Where required. Amend to read: Guards shall be located along open-sided walking surfaces, including mezzanines, equipment platforms, stairs, ramps, and landings that are located more than 30 inches above the floor or grade below if within 36 inches horizontally to the edge of the open side of the vertical measurement to the floor or grade below is greater than 48 inches. Guards shall be adequate in strength and attachment in accordance with section 1607.8.

Section 5307.3 change 100 pounds to 500.

Section 5307.4 change 100 pounds to 500.

Section 5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling, and use of fireworks are prohibited. Amended as follows:

Delete Exceptions 2 and 4.

Section 5601.2.4., Financial Responsibility. The permittee shall furnish a bond or insurance in an amount deemed adequate by the board of city commissioners, but not less than two hundred and fifty thousand dollars (\$250,000.00) per individual or one million dollars (\$1,000,000.00) per occurrence, conditioned for the payment of all potential damages which may be caused either to a person or persons or to property by reason of the permitted display, and arising from any act of the permittee, its agents, employees or subcontractors.

Section 5704.2.9.6.1 Locations where above-ground tanks are prohibited. Amend to read: Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited in all zoning districts within the corporate boundaries of the City of Bismarck, with the exception of Industrial, Agricultural, and Public (MA, MB, A, P) districts.

Section 5704.2.12.2 is deleted in its entirety and replaced with the following:

Documentation of tightness testing shall be provided to the fire department. Piping shall be tested in accordance with Section 5703.6.3.

Section 5706.2.4.4, Locations where above-ground tanks are prohibited. Amend to read: Storage of Class I and II liquids in permanent above-ground tanks outside of buildings is prohibited in all zoning districts within the corporate boundaries of the City of Bismarck, with the exception of Industrial, Agricultural, and Public (MA, MB, A, P) districts.

Section 5806.2 Limitations. Amend to read: Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited except for Industrial, Agricultural, and Public Districts (MA, MB, A, P).

Section 6103.2.1.6 Use with self-contained torch assemblies. Amend to read: Portable LP-gas are allowed to be used to supply approved self-contained torch assemblies or similar appliances. Such containers shall not exceed a water capacity of 12 pounds.

Section 6104.2, Maximum capacity within established limits. Amend the first paragraph to read: Within residentially-zoned districts of the corporate boundaries of the City of Bismarck, storage of liquefied petroleum gas used to supply a structure or for any other use shall not exceed a maximum water capacity of 29 gallons (109 L).

In all other districts, except for Industrial, Agricultural, and Public districts (MA, MB, A, P), the maximum capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7570 L).

Appendix B. Fire-Flow Requirements for Buildings adopt in its entirety.

Appendix C. Fire Hydrant Locations and Distribution adopt in its entirety.

Appendix D. Fire Apparatus Access Roads adopt in its entirety.
(Ord. 4145, 4-28-87; Ord. 4302, 11-07-89; Ord. 4379, 6-18-91; Ord. 4688, 05-23-95;
Ord. 4744, 01-09-96; Ord. 4911, 05-26-98; Ord. 5316, 05-25-04; Ord. 5497, 04-25-06;
Ord. 5654, 02-26-08; Ord. 5707, 02-24-09; Ord. 5803, 02-22-11; Ord. 6035, 04-08-14;
Ord. 6245, 1-24-17; Ord. 6403, 02-17-20; Ord. 6544, 03-27-23)

CHAPTER 4-08
MOBILE HOMES AND RECREATIONAL VEHICLES

4-08-01. Purpose of Chapter. The city finds that properly planned and operated mobile home communities:

1. Promote the safety and health of the residents of such communities and of other adjacent properties.
2. Encourage economical and orderly development of such communities.

It is therefore declared to be the policy of the city to eliminate and prevent health and safety hazards and to promote the economical and orderly development and utilization of land by providing for the planning and operation of mobile home communities and by providing for standards and regulations necessary to provide the amenities essential for decent living.
(Ord. 5316, 05-25-04)

4-08-02. Definitions. In this chapter, unless the context or subject matter otherwise requires:

1. "Mobile home" means a structure, transportable in one or more sections, which is eight body feet or more in width and thirty-two body feet or more in length, and which is built on a permanent chassis, and designed to be connected to the required utilities and used as a residence.
2. "Mobile home lot" means a designated parcel of land in a mobile home community designated for the accommodation of one mobile home and its accessory equipment, for exclusive use of the occupants of the mobile home.
3. "Mobile home stand" means that area of a mobile home site which has been reserved for the placement of a mobile home.
4. "Mobile home community" means a mobile home community or plot of ground under single ownership or management which has been planned and improved for the placement of at least twenty mobile homes which is used for the accommodation of occupied mobile homes.
5. "Recreational vehicle" means a vehicular unit primarily designed as temporary living quarters for recreational, camping, or travel use, which either has its own motive power or is mounted on or drawn by another vehicle. The basic entities are travel trailer, camping trailer, truck camper and motor home.

6. "Recreational vehicle park" means a plot of ground under single ownership or management which has been planned and improved for occupancy by at least twenty or more recreational vehicles of the general public as temporary living quarters for recreational or vacation purposes.

7. "Recreational vehicle space" means a plot of ground within a recreational vehicle park intended for the accommodation of a recreational vehicle, tent, or other individual camping unit on a temporary basis.

8. "Carport" means a roofed structure, attached or detached, for protection of a vehicle or vehicles, which, if attached to the mobile home is open on at least two sides and, if detached, is open on two or more sides except for necessary roof supports.

(Ord. 5316, 05-25-04)

4-08-03. Parking of Mobile Homes or Recreational Vehicles.

1. It is unlawful for any person to park a mobile home or recreational vehicle on any street, alley, highway, or public place or on any tract of land owned by any person, occupied or unoccupied, within the city except as provided in this section.

2. Emergency or temporary stopping or parking is permitted on any street, alley or highway for no longer than 48 hours, subject to any other or further traffic or parking limits imposed on such streets, alleys, or highways.

3. Mobile homes or recreational vehicles may be used for temporary construction offices and sales rooms when a special use permit is first secured as required by zoning ordinances.

4. Recreational vehicles may be parked upon private premises, if vacant and not used for human habitation. A recreational vehicle may not be occupied or used for human habitation unless located in a licensed recreational vehicle park, or except for special events at designated locations approved by the building official.

5. Mobile homes may be allowed on parcels of land that are properly zoned and platted for such use as allowed in the city's zoning ordinances.

(Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-08-04. Mobile Home Park License.

1. It is unlawful for any person to maintain or operate a mobile home community without a valid license issued annually by the building official in the name of such person. All applications for licenses must be made to the building official and a license issued upon compliance by the applicant with provisions of this chapter.

2. Every person holding a license shall give notice in writing to the building official within 24 hours after having sold, transferred, given away or otherwise disposed of interest in or control of any mobile home community. The

notice shall include the name and address of the person succeeding to the ownership or control.

(Ord. 5316, 05-25-04; Ord. 5707, 02-24-09; Ord. 5984, 07-09-13)

4-08-05. Application for License and Renewal; Fees. Application for a license for a mobile home community must be filed with the building official. The application shall contain the following:

1. Name and address of the applicant and the annual fee.
2. The location and legal description of the mobile home community showing all the mobile home stands, structures, roads and other service facilities.
3. The annual fee for mobile home parks is \$3.00 each space.

Applications for renewal of licenses must be made on forms issued by the building official and must be accompanied by the required fee and contain any change in the information submitted since the original license was issued or the latest renewal granted.

(Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-08-06. Term of License. Every license issued under the provisions of this chapter is valid for the period of July 1st of each year through June 30th of the following year. Licenses must be posted in the office or on the premises of the mobile home community at all times. Any license issued after July 1st of any year shall be valid only until the following June 30th.

(Ord. 5316, 05-25-04)

4-08-07. Park Standards. Each mobile home park or community shall comply with the following:

1. A mobile home community may not provide spaces for less than twenty mobile homes.
2. The limits of each mobile home lot must be marked or clearly defined on the ground. The lot limits must be the same as shown on accepted plans.
3. The mobile home stand must be improved to provide adequate support for placement. The stand may not heave, shift or settle unevenly under the weight of the mobile home due to inadequate drainage. The stand must be graded to provide drainage away from the stand. Permanent foundations shall comply with the requirements of the city building code.
4. All mobile homes must have tie-downs as required in the National Fire Protection Association Standard 501-A-1977, except that homes constructed prior to June, 1976, can be exempted from this requirement if it is shown to the satisfaction of the building official that the prescribed tie-downs will cause structural damage to the mobile home.

5. Mobile homes and attachments must be separated from each other and from other principal buildings or structures on adjacent lots in the community by at least fifteen feet.

6. All streets within a mobile home community must be hard-surfaced and shall comply with the city zoning ordinances. All streets shall be maintained in good condition.

7. The connection of water, fuel, sanitary sewer and electrical service must be under the supervision of the mobile home community owner or operator or a qualified representative of the utility company supplying fuel or electrical service. A mobile home may not be occupied before an inspection is conducted by the building official of the following items to insure ordinance compliance:

- a. Water and sanitary sewer connections;
- b. The electrical service conductors;
- c. The placement of the home to insure sideyard and setback requirements;
- d. A gas line test conducted by the owner or seller of the mobile home unit and certified by the building official;
- e. Heating appliances for transportation damages;
- f. Blocking to approved standards;
- g. The home is secured by approved tie-downs to the stand.

8. Each new or altered mobile home lot must be provided with service equipment rated at not less than 100 amperes. Provisions may be made for connecting a mobile home power supply assembly by a permanent wiring method which may have 50-ampere receptacles conforming to the National Electrical Code. Each existing mobile home lot must be provided with an electrical service of adequate size to serve the mobile home load.

9. Fuel supply.

a. Gas equipment and installation within a mobile home community must be designed and constructed in accordance with the provisions of the Standard 54-1974 of the National Fire Protection Association. Each lot must be provided with an accessible, listed gas shutoff valve. The valve may not be located under the mobile home. The connector between the gas supply line and the mobile home must be an approved listed flexible mobile home connector of sufficient capacity to supply gas to the connected load.

b. Fuel oil equipment and supply must be designed and installed in accordance with provisions of Standard 31-1974 of the National Fire Protection Association.

10. A mobile home community must be provided with an adequate supply of potable water complying with the state health department standards for drinking and domestic use.

11. Each mobile home lot must be provided with sanitary sewer and water connections. Such plumbing facilities shall conform to the city's plumbing code.

12. Any buildings housing toilet rooms and/or laundry facilities must be a permanent structure. The interior surfaces must be moisture resistant and readily cleanable. Such structures shall meet the requirements of the city building code.

13. Accessory buildings.

a. Accessory buildings and carports must be of standard construction and shall meet the requirements of the city building code. An attached entryway may not obstruct any required exitway from the mobile home. No more than one entryway is allowed for each mobile home. The entryway is limited to a maximum of 120 square feet in size. A porch or deck that is open on at least two sides except for roof supports and guardrails need not be included in the allowable square footage of the attached entryway.

b. Individual storm shelters are permitted provided they meet the requirements of the city building code and the consent of the community manager has been obtained. Such shelters may not be included in lot coverage requirements of the zoning ordinances or be counted as an accessory building to the mobile home lot.

c. A detached garage may be allowed providing the following requirements are met:

1) Garages must be located at least seven and one-half feet from the dividing line between mobile home lots. They shall be at least 15 feet from the mobile home or any attachment thereto on a neighboring lot.

2) A minimum of six feet must be maintained between a garage and a mobile home or attachment thereto on the same lot.

3) A 20-foot setback must be maintained between the front of the garage and any public or private street.

4) The above setback and sideyard clearances apply unless a greater clearance is required by the zoning ordinances if the mobile home, attachment, or accessory buildings is located adjacent to a public right-of-way. These clearances must be to the walls of the structure involved; a roof overhang may extend a maximum of two feet into the setback or sideyard.

d. Accessory buildings on a mobile home lot are limited to one attached entryway not to exceed 120 square feet, one detached storage or utility building not to exceed 120 square feet, and one detached garage as specified in this section.

e. Carports may not project beyond the front or rear edge of the mobile home. Carports must be set back a minimum of 20 feet from the walkway, a minimum of seven and one-half feet from the lot line, and must be located at least 15 feet from any other mobile home and its attachments.

f. Accessory structures must be attached to proper foundations. Exceptions to foundations may be granted by the building official provided the methods used shall render them rodentproof and resistant to wind damage.

g. Accessory buildings may not be constructed without building permits.

h. Accessory storage or utility structures shall comply with setback and sideyard requirements of the zoning ordinances.

14. Swimming and bathing facilities shall meet the requirements of Title 4 of this code.

(Ord. 5316, 05-25-04; Ord. 5707, 02-24-09; Ord. 5984, 07-09-13)

4-08-08. Certification Label. Each mobile home shall be affixed with a permanent label certifying that the mobile home complies with the requirements of the U.S. Department of Housing and Urban Development and is constructed in conformance with the federal mobile home construction and safety standards.

(Ord. 5316, 05-25-04)

CHAPTER 4-09 RECREATIONAL VEHICLE PARKS

4-09-01. License Required. A person may not maintain or operate a recreational vehicle park without first securing a license to do so.

(Ord. 5316, 05-25-04)

4-09-02. Application; Fees.

1. Application for a license for a recreational vehicle park must be filed with the building official. The application shall contain the following:

a. Name and address of the applicant and required fee;

b. The location and legal description of the recreational vehicle park showing all of the recreational vehicle stands, structures and other service facilities.

c. The annual fee for recreational vehicle parks is \$3.00 per space.

2. Applications for renewal of licenses must be made on forms provided and shall be accompanied by the required fee and shall contain any change in information submitted since the original license was issued or the latest renewal granted.

(Ord. 5316, 05-25-04; Ord. 5707, 02-24-09)

4-09-03. Duration of License. Every license issued under the provisions of this chapter is valid for a period from July 1st of each year through June 30th of the following year. Such license must be posted in the office or on the premises of the park at all times. Any license issued after July 1st of any year is valid only until the following June 30th.

(Ord. 5316, 05-25-04)

4-09-04. Park Standards. Each recreational vehicle park shall comply with the following:

1. It is the duty of the licensee to keep a register of all occupants of the park. The register shall contain the following information:

a. Name and address of each occupant;

b. License number and state issuing the license and owner of each recreational vehicle and automobile if such recreational vehicle is towed;

c. The dates of arrival and departure of each recreational vehicle.

The park shall keep the register available for inspection at all times by law enforcement officers, public health officials and other officials whose duties necessitate acquisition of information contained in the register. The register records must be maintained for a period of three years following the date of registration.

2. The owner or person in charge of any dog, cat or other pet may not permit it to run at large or commit any nuisance within the limits of the recreational vehicle park.

3. Each recreational vehicle park licensed under the provisions of this chapter shall comply with all applicable provisions of the city zoning ordinances.

4. A park may not provide spaces for less than twenty recreational vehicles.

5. The minimum unit area for each recreational vehicle site is at least 1,500 square feet in area. Each space must be marked or clearly defined on the ground.

Each recreational vehicle stand must be designed and constructed to allow for safe and efficient placement and removal of recreational vehicles. The stand must be constructed to minimize the development of ruts or low spots by

the vehicle tires. The site must be graded to provide drainage but shall not exceed three inches per ten feet across the width of the stand.

6. The minimum widths of interior roads and driveways serving individual parking sites is twenty feet. All roads and driveways must be surfaced with an all-weather surface. All roads must be well-drained and shall have a minimum internal radius of sixty feet. Turnarounds must be provided for all dead-end roads with a minimum internal radius of sixty feet.

7. Water supply and sanitary sewer provisions must meet requirements of the state plumbing code.

8. Each lot intended for use by recreational vehicles must be provided with an electrical system as required by the city electrical code.

9. An adequate supply of covered garbage containers must be provided in each park and located not more than 200 feet from any space. If cans are provided, they must be maintained in a sanitary condition and stored on racks as required.

10. The city building code applies to all buildings constructed within a park.

11. Swimming and bathing facilities must meet the requirements of Title 4 of this code.

12. Designated outdoor fire locations, if provided, must be in safe and convenient areas where they will not constitute fire hazards to vegetation, undergrowth, trees and recreational vehicles.

13. Primitive camping cabins placed upon and anchored to concrete slabs may occupy five percent of the spaces provided. Such cabins shall not exceed 220 square feet in area and shall provide for no facilities other than sleeping.

(Ord. 4975, 05-25-99; Ord. 5316, 05-25-04)

CHAPTER 4-10 MECHANICAL CONTRACTOR LICENSING

4-10-01. License Required. Any person that undertakes or performs heating, ventilation or air conditioning (HVAC) work, any mechanical installation, alteration or repair with or for another is required to obtain a mechanical permit from the City of Bismarck. The term "mechanical contractor" does not include subcontractors working for and under the supervision of a mechanical contractor licensed by the City of Bismarck or a home owner performing work on the homeowner's own residence or a building or structure accessory thereto which is intended for the owner's own use.

1. No person shall engage in the heating, ventilation or air conditioning (HVAC) trade (except as provided in section 4-10-02 (Installers) unless:

- a. That person holds a current master HVAC installers license;
- b. That person holds a current journeyman HVAC installer license and work is done under the direct supervision of a holder of a current master HVAC installer license; or
- c. Work is done as an apprentice under the direct supervision and control of the holder of a current master HVAC installer license or the holder of a current journeyman HVAC installer license.

2. An application for a license under this section shall be made to the Bismarck Building Inspection Division and shall be accompanied by the payment of the appropriate fee provided for in Section 4-10-10. If the Building Official determines that the applicant meets the qualification requirements of Section 4-10-02 for the license requested, the applicant shall be allowed to take the license examination. The license examination shall be a test of theoretical and practical knowledge relating to the HVAC trade which has been approved as to form and content by the Building Official. The examination shall be revised from time to time as deemed necessary to preserve its fairness and relevance. The Building Official shall also generally supervise, administer and grade the examination and shall establish the passing score which an applicant must meet or exceed in order to be qualified to hold a license.

a. If an applicant fails to achieve a passing score on the licensing examination, the applicant may retest when the examination is next offered. An applicant who fails the examination for the second time may not retake the examination for six (6) months after the last failed examination.

b. If the applicant passes the licensing examination and pays the appropriate fee required under Section 4-10-10, the Building Official shall issue a license in the form of a license card and certificate of completion.

c. A license, once issued, may be renewed annually without further application and without further examination upon the timely payment of the appropriate renewal fee unless revoked or suspended as provided in this Chapter.

d. If a person holding a license under this Section allows it to lapse or if it is suspended, such person must reapply for a license, be re-examined, and pay the appropriate application fee in the same manner as a first time application.

e. At the Building Official's discretion, a temporary work permit may be issued to a person who has applied for a license and paid the appropriate application fee. A temporary work permit shall expire upon the date of the license examination.

f. Certain forms of work within the HVAC trade may be performed under the following conditions:

1. The Building Official has specified the type of work in question as being exempt from the general licensing requirements under this section;
2. The work is performed by an employee or proprietor of an enterprise which sells or services HUD certified manufactured homes, or homes;
3. The person performing the work has passed an examination approved by the Building Official; or such person has performed such type of work for at least three (3) years and has been approved by the Building Official for the exception established by this section; and
4. The person has paid an administrative fee per Section 4-10-10 for the initial one-year exemption, and for each year of exemption thereafter.

4-10-02. License Qualifications.

1. In order to be qualified to take the examination for a master HVAC installer license, the applicant:
 - a. Must have, at the time of taking the examination, at least two (2) years (3,400 work hours) of experience as a licensed journeyman HVAC installer licensed by the City or some other governmental jurisdiction; or
 - b. Must be licensed as a master HVAC installer by a reciprocal jurisdiction or licensing agency.
2. In order to take the examination for a journeyman's HVAC installer license, the applicant:
 - a. Must have, at the time of taking the examination, at least four (4) years (7,600 work hours) of experience as an apprentice HVAC installer; or
 - b. Must be licensed as a journeyman HVAC installer by a reciprocal jurisdiction or licensing agency
3. For purposes of calculating hours of work service as an apprentice HVAC installer, an applicant who has graduated from an accredited trade school, and who has taken at least one thousand twenty (1,020) hours of instruction in HVAC or pipe fitting at such school, is entitled to receive work hour credit for course hours of instruction by multiplying the course hours by a factor, which factor is dependent upon the grade achieved by the applicant for the course. If the grade was a "D" the factor is 1; if a "C" the factor is 1.5; if a "B" the factor is 1.75, and if an "A" the factor is 2.
4. For the purpose of this section, an apprentice HVAC installer is a person who is working as a HVAC installer under the supervision of a licensed

master HVAC installer, or a licensed journeyman HVAC installer. For the purpose of this section, it is immaterial whether a licensed HVAC installer is licensed by the City or by another reciprocal jurisdiction.

4-10-03. Single Business Limitation. A master HVAC installer may not exercise privileges as a licensed master for more than one (1) shop or business at a time.

4-10-04. Continuing Education. Each license holder is required to have a total of four (4) hours of continuing education per year. The time and location of such training shall be specified by the Building Official.

4-10-05. Expiration and Renewal. All HVAC installer's licenses shall expire on December 31st of each year. Licenses may be renewed from year to year upon receipt of the required renewal fee per Section 4-10-10. License fees shall be subject to a late charge if paid after January 31st.

4-10-06. Suspension or Revocation of License.

1. The HVAC installer's license may be revoked or suspended by the Building Official should the licensee be found to have violated the provisions of this Chapter or of a mechanical code as adopted by the City. Suspension shall be for a period of one year in the first instance, two years in the second instance, and in the third instance a license shall be permanently revoked.

2. At any time an HVAC installer's license is suspended or revoked by the Building Official, notice of the proposed action and notification of a right to a hearing before the Board of City Commissioners shall be served on the licensee. Any person served with notice shall have the right to a hearing before the board of city commissioners upon written request filed with the City Administration within five days of receipt of a notice of suspension or revocation. Upon receiving the notice of appeal the Board shall set a date for a hearing within twenty days of receipt of the notice of appeal. Notice of the time and place for the hearing must be served upon the licensee by certified mail or in person not less than five days prior to the hearing.

4-10-07 Time of Examination. Regular examinations of applicants shall be conducted in June and December of each year, at such time and place that the Building Official may designate and may also be held at other times in the discretion of the Building Official.

4-10-08 Passing Grade. A passing grade shall be determined by the Building Official prior to examination. Any applicant who fails to receive a passing grade shall be eligible to take a subsequent examination subject to Section 4-10-01(2)(a).

4-10-09 Apprentice to Journeyman Ratio. The apprentice to journeyman ratio shall be five (5) to one (1) with a minimum of one (1) journeyman HVAC installer at each project under the direct supervision of a master HVAC installer.

4-10-10 Fees. The fees imposed under this Section are as follows:

1. Class A master HVAC installer certification:
Application fee of thirty five (\$35.00) dollars

Annual fee of one hundred twenty five (\$125.00) dollars

2. Class B Journeyman HVAC installer certification
Application fee of thirty five (\$35.00) dollars
Annual fee of seventy five (\$75.00) dollars
3. Class C Apprentice HVAC installer certification
Application fee of fifteen (\$15.00) dollars
Annual fee of thirty five (\$35.00) dollars
4. Administrative fee (\$125.00) dollars
Year of exemption fee (\$125.00) dollars
Late fee shall be %20 of the application or annual fee.

CHAPTER 4-11 RENTAL HOUSING STANDARDS

4-11-01. Rental Housing Standards – Purpose. The purpose of these Rental Housing Standards is to provide minimum habitability criteria to safeguard health, property and public wellbeing of the owners, occupants and users of rental housing.

4-11-02. Rental Housing Standards – Applicability.

1. Except as provided in subsection (2) of this section, the standards provided in this chapter shall apply to all rental housing located within the City of Bismarck and City of Bismarck extraterritorial jurisdiction.

2. The following living arrangements are excluded from the application of the minimum standards required by this chapter:

- a. Occupancy in transient lodging;
- b. Occupancy in hospitals and other medical facilities;
- c. Occupancy in residential care facilities licensed by the State;
- d. Occupancy in institutions providing educational, counseling, religious or similar service, but not including residence in off-campus, non-dormitory housing;

4-11-03. Rental Housing – Definitions. For purposes of this chapter, the following words and phrases mean as follows:

Agent: A person authorized to act on behalf of another person.

Building Official: The building official or the building official's designee.

Dwelling Unit: A building or portion of a building that is used as a home, residence or sleeping place by one or more persons who maintain a household. For purposes of these Rental Housing Standards, where portions of a residential building are occupied under separate rental agreements, but occupants share eating, cooking, and/or sanitation facilities, each portion under a separate rental agreement shall be considered a dwelling unit.

Environmental Health Administrator: The Environmental Health Administrator or the Environmental Health Administrator's designee.

Habitable Space: Any room used for sleeping, living, cooking or dining purposes, but excluding closets, pantries, bath or toilet rooms, hallways, laundries, storage spaces, utility rooms and similar spaces.

Infestation: The presence, within contiguous to, a structure or premises of insects, rats, or other pests commonly known to be a health nuisance.

Occupant: The individual living or sleeping in a building, or having possession of a space within a building.

Owner: Any person, agent, operator, firm or corporation having a legal or equitable interest in the property; or recorded in the official records of the state, county, or municipality as holding title to the property, including the guardian of the estate of any such person, and executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Premises: A lot, parcel of land, easement, or public way; including structures thereon.

Rental Agreement: All written or oral agreements concerning the use and occupancy of a dwelling unit and premises. "Rental agreement" includes a lease.

Rental Housing: A legal dwelling unit which is the subject of a rental agreement.

Transient Lodging: A room or suite of rooms which is occupied not as a principal residence by persons for periods of less than 30 consecutive days.

4-11-04. Rental Housing – Dangerous Buildings. Conditions which constitute a dangerous building and procedures for abating them are provided in Chapter 4-03 of this code.

4-11-05. Rental Housing Standards.

1. Structural Integrity. Roofs, floors, walls, foundations and all other structural components shall be maintained free from deterioration, and shall be capable of safely supporting the imposed dead and live loads.

2. Light

a. Every habitable space shall have not less than one window of approved size facing directly to the outdoors.

Exception: Where natural light for rooms or spaces without exterior glazing areas is adequately provided through an adjoining room.

b. All other spaces shall be provided with natural or artificial light sufficient to permit the maintenance of sanitary conditions, and the safe occupancy of the space and utilization of the appliances, equipment and fixtures.

3. Ventilation.

a. Every habitable space shall have not less than one operable window.

Exception: Where rooms and spaces without openings to the outdoors are adequately ventilated through an adjoining room.

b. Every bathroom and toilet room shall comply with the ventilation requirements for habitable spaces, except that a window shall not be required in such spaces equipped with a mechanical ventilation system. Air exhausted by a mechanical ventilation system from a bathroom or toilet room shall discharge to the outdoors and shall not be recirculated.

c. Clothes dryer exhaust systems shall be independent of all other systems and shall be exhausted outside the structure in accordance with the manufacturer's instructions.

4. Plumbing.

a. Each dwelling unit shall have a bathtub or shower, lavatory, and toilet.

b. Dwelling units provided with cooking appliances, must be provided with a kitchen sink.

c. Every sink, lavatory, bathtub or shower, toilet, or other plumbing fixture shall be properly connected to a public water system or to an approved private water system. All kitchen sinks, lavatories, laundry facilities, bathtubs and showers shall be supplied with hot or tempered and cold running water.

d. Plumbing systems shall be properly installed and maintained in a safe and sanitary condition.

e. Repairs must be permanent rather than temporary and shall be through generally accepted plumbing methods.

f. The water supply system shall be installed and maintained to provide a supply of water to plumbing fixtures, devices, and appurtenances in sufficient volume and pressure adequate to enable the fixtures to function properly.

g. Water heating facilities must be provided and shall be properly installed, maintained, and capable of providing an adequate amount of water to be drawn at every sink, bathtub, shower, and laundry facility at a minimum temperature of 110 degrees Fahrenheit.

5. Mechanical.

a. Dwelling units shall be provided with permanently installed heat source able to provide a room temperature of 68 degrees Fahrenheit in all habitable rooms, bathrooms and toilet rooms. Portable space heaters and cooking appliances shall not be used to achieve compliance with this section. The required room temperature shall be measured three (3) feet above the floor near the center of the room.

b. Mechanical appliances, fire-places, solid fuel-burning appliances and water heating appliances shall be properly installed and maintained in safe working condition, and shall be capable of performing the intended function.

6. Electrical.

a. Every dwelling unit must be provided with an electrical system. Electrical equipment, wiring, and appliances shall be installed and maintained in a safe working condition free from hazards.

b. Every habitable space in a dwelling unit shall contain not less than two separate and remote receptacle outlets. Every laundry room shall contain not less than one approved receptacle provided with ground fault circuit interrupter protection. Every bathroom shall contain not less than one approved receptacle.

c. Flexible cords shall not be used for permanent wiring, or for running through doors, windows, cabinets, or concealed within walls, floors, or ceilings.

d. Every public hall, interior stairway, toilet room, kitchen, bathroom, laundry room, and mechanical room, shall be provided with not less than one luminaire.

7. Weatherproofing.

a. Roof, exterior walls, windows and doors shall be maintained to prevent water intrusion into the building envelope which may cause damage to the structure or its contents or may adversely affect the health of an occupant. The presence of significant visible mold may be a symptom of faulty weatherproofing, however, the presence of mold, by itself, is not a violation of this chapter.

b. Repairs must be permanent rather than temporary and shall be through generally accepted construction methods. If significant visible mold results from faulty weatherproofing, repairs must include removing the mold, which may include mold on or in interior walls, sheetrock, insulation, floors, carpets or carpet backing.

8. Security. Doors and windows leading into a dwelling unit must be equipped with locks and shall be maintained in a condition so as to restrict access into the dwelling unit.

9. Means of Egress.

- a. A safe, continuous and unobstructed path of travel must be provided from any point in a building to the public way.
- b. Required emergency escape and rescue openings shall be maintained in an operable condition and unobstructed.

10. Fire Protection.

- a. Every dwelling unit shall be equipped with an approved and properly functioning and placed smoke alarm and smoke detector.
- b. The required fire-resistance rating of fire-resistance-rated assemblies must be maintained.

11. Pest Elimination.

a. Structures shall be kept free from insect and rodent infestation. Structures in which insects or rodents are found shall be promptly exterminated by approved processes that will not be injurious to human health. After pest elimination, proper precautions shall be taken to prevent infestation.

b. The owner of any structure shall be responsible for pest elimination prior to renting or leasing a dwelling unit.

c. The occupant of a single-family dwelling unit shall be responsible for maintaining the property free of infestation.

d. The owner of a structure containing two or more dwelling units or multiple occupancy shall be responsible for pest elimination in the public or shared areas of the structure and exterior property. If infestation is caused by failure of an occupant to prevent such infestation in the area occupied, the occupant and owner shall be responsible for pest elimination.

e. The occupant of any structure shall be responsible for the continued rodent and pest-free condition of the structure.

12. Modifications.

a. Whenever there are practical difficulties involved in carrying out the provisions of this ordinance, the Building Official or the Environmental Health Administrator may grant modifications for individual cases upon application of the owner or owner's authorized agent, provided the Building Official or Environmental Health Administrator shall find first that special individual reasons makes the strict letter of this ordinance impractical, the modification is in compliance with the intent and purpose of the ordinance and that such modification does not lessen health, life and fire safety requirements.

1. Authority. The building official or Environmental Health Administrator may enforce the requirements and provisions of this chapter using the procedures, including those for appeal, contained in Chapter 4-01 of this Title.

2. Complaint.

a. A complaint brought under this chapter must be in writing and may be filed in person, by mail or electronically.

b. A person who files a complaint must be a party to the current rental agreement covering the property in question or an agent of the party.

c. A complaint must include the following:

1. Name of person filing the complaint and, if different, the name of the affected tenant. Complaints may not be submitted anonymously;

2. The name of the owner or the owner's agent;

3. The address of the dwelling unit with the alleged violation;

4. A complete description of the alleged violation; and

5. A copy of the written notice of the alleged code violation that has been sent by the tenant to the owner or the owner's agent and a copy of any lease or rental agreement between the owner and the renter.

d. Complaints shall be processed by the building official or Environmental Health Administrator. Before initiating an investigation under subsection (3) of this section, the building official or Environmental Health Administrator shall:

1. Confirm that the complainant has standing to file a complaint;

2. Confirm that the subject of the complaint could be a violation of this code;

3. Confirm that the owner or the owner's agent has had ten days since mailing of the written notice by the tenant to respond to the complaint; and

4. Provide notice to the owner or the owner's agent of the complaint per written procedures.

3. Investigations.

a. The building official or Environmental Health Administrator shall initiate investigations only after completion of the process in subsection (2) of this section.

b. The building official or Environmental Health Administrator shall conduct an investigation to confirm the validity of the complaint.

c. If the building official or Environmental Health Administrator determines that the complaint is not valid, the case shall be closed and all parties notified.

d. If the building official or Environmental Health Administrator determines that the complaint is valid, the building official or Environmental Health Administrator shall work with the owner to correct the problems in violation of this section or issue a notice and order pursuant to subsection Chapter 4-01.

4. Inspection and Right of Entry. When it may be necessary to inspect to enforce the provisions of this chapter, the building official or Environmental Health Administrator may enter the building or premises at reasonable times to inspect or to perform the duties imposed therein, provided that if such building or premises be occupied that credentials be presented to the occupant and entry requested. If such building or premises are unoccupied, the building official shall first make a reasonable effort to locate the owner, the owner's agent, or other person having charge or control of the building or premises and request entry. If entry is refused by the owner, the building official shall have recourse to every remedy provided by law to secure entry, including issuance of administrative search warrants. If entry is refused by the tenant, the complaint may be dismissed and the case closed. The city shall provide notice to the owner or owner's agent not less than 72 hours prior to a scheduled inspection of the premises in order to afford the owner the opportunity to be present during the inspection.

(Ord. 6402, 11-26-19)