North Dakota State Building Code



Effective August 1, 2002

Department of Commerce
Division of Community Services
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ALTERNATIVE FORMATS FOR PERSONS WITH DISABILITIES

ARE AVAILABLE UPON REQUEST

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INTRODUCTION

The purpose of this document is to identify the building and related codes and state amendments to those codes that together make up the North Dakota State Building Code. Also included are a brief history of the state building code; information on how to obtain copies of the four codes that make up the state building code; the state law (N.D.C.C. 54-21.3) that provides for the state building code; the American with Disabilities Act Accessibility Guidelines (ADAAG) Conformance Statement; and a sample ordinance for local adoption of the state building code.

HISTORY OF THE NORTH DAKOTA STATE BUILDING CODE

In 1979, the 46th North Dakota Legislative Assembly created the North Dakota State Building Code. At the same time, the Legislature amended N.D.C.C. Sections 11-33-01, 40-47-01, and 58-03-11 relating to the authority of cities, townships, and counties to zone to reflect compliance with the state building code. The Legislature directed that the state building code would consist of the Uniform Building Code published by the International Conference of Building Officials. In 1985, the 49th Legislative Assembly added the Uniform Mechanical Code, also published by the International Conference of Building Officials.

Until 1991, the Legislature maintained the authority to update the state building code, but this process did not permit the state to update the state building code in a timely manner as new editions of the Uniform Building Code and Uniform Mechanical Code were published. In 1991, the Legislature provided for the state building code to be updated as new editions of these two codes were published. This procedure, however, was later declared unconstitutional. As a result, in 1993 the Legislative Assembly shifted the responsibility for updating the state building code to the Office of Management and Budget, which then designated the Office of Intergovernmental Assistance (now the Division of Community Services) to adopt rules to implement and periodically update and to amend the code. The Legislative Assembly also directed in 1993, that effective August 1, 1994, any city, township, or county that elects to administer and enforce a building code shall adopt and enforce the state building code. However, the Legislative Assembly also provided for the ability to amend the state building code to conform to local needs. The first Administrative Rule (Article 4-08-01) for the state building code became effective December 1, 1994.

In 2001, the 57th Legislative Assembly amended N.D.C.C. 54-21.3-03, deleting the reference to the Uniform Building Code and Uniform Mechanical Code because they were no longer being published. In their place, the Legislative Assembly designated the International Building Code, International Residential Code, International Mechanical Code, and International Fuel Gas Code as the codes that would make up the state building code. The first version of these codes to be adopted is the 2000 edition, as reflected in this document. The Legislative Assembly also created a Building Code Advisory Committee to help write administrative rules and to develop recommendations on proposed code amendments. A new Administrative Rule (Article 108, Chapter 108-01) to implement, amend, and periodically update the state building code became effective July 22, 2002.

CURRENT NORTH DAKOTA STATE BUILDING CODE

Effective August 1, 2002, the North Dakota State Building Code consists of the 2000 International Building Code (IBC), International Residential Code (IRC), International Mechanical Code (IMC), and International Fuel Gas Code (IFGC) published by the International Code Council (ICC). **NO APPENDICES ARE ADOPTED**.

To obtain copies of these codes, contact:

International Conference of Building Officials 5360 Workman Mill Road Whittier, California 90601-2298 1-800-284-4406

NOTE: Due to an impending reorganization of the existing three Model Code Groups, the above organization, address, and telephone number may change.

We encourage each city, township, and county that has elected or elects to enforce building codes to contact the International Conference of Building Officials (or new entity) to become a member. This will entitle the jurisdiction to certain free publications, member rates for books and materials, and free technical assistance.

REQUIREMENT TO ADOPT THE NORTH DAKOTA STATE BUILDING CODE

Effective August 1, 1994, N.D.C.C. 54-21.3-03 requires the governing body of a city township, or county that elects to administer and enforce a building code to adopt and enforce the state building code. However, the state building code may be amended by cities, townships, and counties to conform to local needs.

NORTH DAKOTA CENTURY CODE CHAPTER 54-21.3-03 STATE BUILDING CODE

54-21.3-01. Purposes of Chapter.

The purposes of this chapter are to:

- 1. Provide the citizens of this state with nationally recognized standards and requirements for construction and construction materials.
- 2. Eliminate restrictive, obsolete, conflicting, and unnecessary construction regulations that tend to increase construction costs unnecessarily or restrict the use of new materials, products, or methods of construction or provide preferential treatment to types or classes of materials or products or methods of construction.
- 3. Ensure adequate construction of buildings throughout the state and to adequately protect the health, safety, and welfare of the people of this state.

54-21.3-02. Definitions.

As used in this chapter, unless the context requires otherwise:

- 1. "Agricultural purposes" includes purposes related to agriculture, farming, ranching, dairying, pasturage, horticulture, floriculture, viticulture, and animal and poultry husbandry.
- 2. "Building" means a combination of any materials fixed to form a structure and the related facilities for the use or occupancy by persons, or property. The word "building" shall be construed as though followed by the words "or part or parts thereof".
- 3. "City" means any city organized under the laws of this state.
- 4. "Construction" means the construction, erection, reconstruction, alteration, conversion, or repair of buildings.
- 5. "Jurisdictional area" means the area within which a city or township has zoning jurisdiction.
- 6. "State building code" means the state building code provided for in this chapter.

54-21.3-03. State Building Code.

- 1. The department of commerce, in cooperation with the state building code advisory committee, shall adopt rules to implement, amend, and periodically update the state building code, which must consist of the international building, residential, mechanical, and fuel gas codes.
- 2. The state building code advisory committee consists of:
 - a. Two representatives appointed by the North Dakota building officials association, one of whom must be from a jurisdiction of fewer than ten thousand people.
 - b. One representative appointed by the North Dakota chapter of the American institute of architects.
 - c. One representative appointed by the North Dakota society of professional engineers.
 - d. One representative appointed by the North Dakota association of builders.
 - e. One representative appointed by the North Dakota association of mechanical contractors.
 - f. One representative appointed by the associated general contractors.
 - g. A fire marshal appointed by the state fire marshal.
 - h. One individual appointed by the state electrical board.
- 3. The state building code advisory committee shall meet with the commissioner of the department of commerce or a designee of the commissioner at least once each calendar year to address proposed amendments to the state building code. The commissioner of the department of commerce may not adopt an amendment to the state building code unless the amendment is approved by a majority vote of:
 - a. One representative appointed by the North Dakota chapter of the American institute of architects;
 - b. One representative appointed by the North Dakota society of professional engineers;
 - c. One representative appointed by the North Dakota association of builders;
 - d. One representative appointed by the North Dakota association of mechanical contractors:
 - e. One representative appointed by the associated general contractors; and
 - f. Representatives of eligible jurisdictions as established by administrative rule.

- 4. For the purposes of manufactured homes, the state building code consists of the manufactured homes construction and safety standards under 24 CFR 3280 adopted pursuant to the Manufactured Housing Construction and Safety Standards Act [42 U.S.C. 5401 et seq.].
- 5. The governing body of a city, township, or county that elects to administer and enforce a building code shall adopt and enforce the state building code. However, the state building code may be amended by cities, townships, and counties to conform to local needs.

54-21.3-04. Exemptions.

- 1. The following statewide codes are exempt from this chapter:
 - a. The Standards for Electrical Wiring and Equipment, as contained in North Dakota Administrative Code article 24-02.
 - b. The State Plumbing Code, as contained in North Dakota Administrative Code article 62-03.
 - c. The State Fire Code, as contained in the rules of the state fire marshal as provided in section 18-01-04.
- 2. The following buildings are exempt from this chapter:
 - a. Buildings which are neither heated nor cooled.
 - b. Buildings used whose peak design rate of energy usage is less than one watt per square foot [929.0304 square centimeters] or three and four-tenths British thermal units an hour per square foot [929.0304 square centimeters] of floor area.
 - c. Restored or reconstructed buildings deliberately preserved beyond their normal term of use because of historical associations, architectural interests, or public policy, or buildings otherwise qualified as a pioneer building, historical site, state monument, or other similar designation pursuant to state or local law.
- 3. Any building used for agricultural purposes, unless a place of human habitation or for use by the public, is exempt from this chapter.

54-21.3-04.1. Accessibility Standards.

Notwithstanding section 54-21.3-04, every building or facility subject to the federal Americans with Disabilities Act of 1990 [Pub. L. 101-336;104 Stat. 327] must conform to the accessibility standards of the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities as contained in the appendix to title 28, Code of Federal Regulations, part 36 [28 CFR 36]. State and political subdivision entities may not claim the exceptions to the requirement that elevators be installed in certain buildings as those exceptions are stated

in exception 1 to section 4.1.3(5) and in section 4.1.6(1)(k)(i) in the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities found in the appendix to 28 CFR 36. A structural change to an existing state or political subdivision building or facility is not required if another method is effective in achieving compliance with regulations adopted under Public Law 101-336. For public accommodations, an alternative to a structural change in existing buildings or facilities is permitted only after it has been documented, in accordance with regulations adopted under Public Law 101-336, that a particular structural change is not readily achievable. A state agency or the governing body of a political subdivision shall require from any person preparing plans and specifications for a building or facility subject to the Americans with Disabilities Act of 1990 [Pub. L. 101-336; 104 Stat. 327], a statement that the plans and specifications are, in the professional judgment of that person, in conformance with the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities found in the appendix to 28 CFR 36, subject to the exception stated in this section. A statement of conformance must be submitted to the Department of Commerce Division of Community Services for recording.

54-21.3-04.2. Notice of Federal Accessibility Guidelines Required.

A building permit issued under section 11-33-18, subsection 6 of section 40-05-02, or other similar grant of authority must contain the following statement:

Federal law may require this construction project to conform with the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities.

54-21.3-05. Enforcement of Code by City, Township, or County - Relinquishment.

A city or township may administer and enforce the state building code only within its jurisdictional area. A county may administer and enforce the state building code within those areas of the county in which the state building code is not administered by a city or township. Cities and townships may relinquish their authority to administer and enforce the state building code to the county in which they are located in the manner provided by section 11-33-20. The governing body of a city, township, or county electing to administer and enforce the state building code may designate an enforcement agency. Cities, townships, and counties may provide by agreement for joint administration and enforcement and may contract for private enforcement of the state building code.

54-21.3-06. Continuing Education - Responsibility.

Repealed by S.L. 1983, ch. 511, § 8.

54-21.3-07. Modular Residential and Commercial Structures - Third-party Inspections - Rules.

The manufacturer of a modular residential or commercial structure that is built in a factory may contract with a third party for the inspection of the structure for compliance with all applicable building, electrical, fire, and plumbing codes and standards during the manufactur-

ing process in the factory. A third party that conducts inspections and certifies compliance with all applicable codes and standards must be approved as a certified third-party inspector by the Division of Community Services. The Department of Commerce shall adopt rules for the certification of inspectors and for the procedures to be followed in conducting inspections of modular residential and commercial structures. If a manufacturer of modular residential or commercial structures contracts with a certified third-party inspector to monitor compliance with all applicable building, electrical, fire, and plumbing codes and standards for a modular residential or commercial structure, no further inspection by state or local building, electrical, fire, or plumbing inspectors may be required for that structure during the manufacturing process in the factory.

SCOPE OF THE STATE BUILDING CODE

Administrative Rule Article 108, Chapter 108-01, provides for the following scope for the state building code:

- 1. It supplements all laws defined within the North Dakota Century Code relating to construction, alterations, improvements, and siting of buildings unless specifically exempted.
- 2. It applies to all cities, townships, and counties that elect to adopt and enforce building codes within their jurisdictional boundaries.
- 3. It applies to all state and local government buildings.
- 4. It applies to all public and private schools.

HOW TO USE THE NORTH DAKOTA STATE BUILDING CODE

FIRST: You must purchase the 2000 edition of the IBC, IRC, IMC, and IFGC. See page 5 for ordering these codes.

SECOND: Wherever the International Plumbing Code and International Electrical Code are referenced, you must substitute the reference with the North Dakota State Plumbing Code (2000 Uniform Plumbing Code published by the International Association of Plumbing and Mechanical Contractors with state amendments) and the Wiring Standards of North Dakota (2002 National Electrical Code published by the National Fire Protection Association with state amendments).

THIRD: When using the IBC, IRC, IMC, and IFGC you must identify if a particular section or chapter is amended by the state. State agencies, local governments, and schools must use the state building code and may only use less restrictive code provisions contained in the state amendments. Local jurisdictions may not impose more restrictive code provisions on state buildings unless they are included in the state amendments.

CHAPTER 1 OF EACH INTERNATIONAL CODE AND FEE SCHEDULE

Chapter 1 of each of the four International Codes that make up the state building code is entitled Administration. The provisions in the Chapter provide for the administration and enforcement of each code by the enforcing jurisdiction. Since administration and enforcement of the state building code is the responsibility of each city, township, and county that elects to administer and enforce a building code, the state building code does not contain any amendments to Chapter 1. It is up to each jurisdiction to determine how it wants to administer and enforce the state building code.

One area no longer included in the International Codes is the suggested permit fee schedule. For your reference, included below is the suggested fee schedule from the 1997 Uniform Building Code:

Table 1-A Building Permit Fees						
Total Valuation	Fee					
\$1.00 to \$500	\$23.50					
\$501to \$2,000.00	\$23.50 for the first \$500.00 plus \$3.05 for each additional \$100.00, or fraction thereof, to and including \$2,000.00.					
\$2,001to \$25,000.00	\$69.25 for the first \$2,000.00 plus \$14.00 for each additional \$1,000.00, or fraction thereof, to and including \$25,000.00.					
\$25,001to \$50,000.00	\$391.25 for the first \$25,000.00 plus \$10.10 for each additional \$1,000.00, or fraction thereof, to and including \$50,000.00.					
\$50,001to \$100,000.00	\$643.75 for the first \$50,000.00 plus \$7.00 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00.					
\$100,001to \$500,000.00	\$993.75 for the first \$100,000.00 plus \$5.60 for each additional \$1,000.00, or fraction thereof, to and including \$500,000.00.					
\$500,001to \$1,000,000.00	\$3,233.75 for the first \$500,000.00 plus \$4.75 for each additional \$1,000.00, or fraction thereof, to and including \$1,000,000.00.					
\$1,000,001.00 and up	\$5,608.75 for the first \$100,000.00 plus \$3.65 for each additional \$1,000.00, or fraction thereof.					
Other Inspections and Fees:						
Inspections outside of normal bus (minimum charge – two hours)	siness hours					
2. Reinspection fees assessed under provisions of Section 305.8						
3. Inspections for which no fee is sp (minimum charge – one-half hou	pecifically indicated					
Additional plan review required l (minimum charge – one-half hou	by changes, additions or revisions to plans \$Actual Costs ² r)					
5. For use of outside consultants for	plan checking and inspections, or both					

¹Or the total hourly cost to the jurisdiction, whichever is the greatest. This cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.

²Actual costs include administrative and overhead costs.

IDENTIFICATION OF AMENDMENTS

This section presents the adopted state amendments to the 2000 edition of the International Building Code, International Residential Code, International Mechanical Code, and International Fuel Gas Code. These amendments were approved through the voting procedures in Article 108-01 of the North Dakota Administrative Code on July 22, 2002. The amendments to each code are presented separately, with each Chapter and section containing an amendment highlighted in bold letters and numbers. To determine the type of amendment, following each section or Chapter is a designation to delete, change, add, or additional comments. The following describes what each designation means:

- Delete the specific provisions(s) to be deleted is identified and, as applicable, other instructions are provided.
- Add either an entire provision is added or part of a provision is added. Where part of a provision is added, it is underlined.
- Change the specific change is either described or is underlined. For Tables, either the change is described, or a new Table is presented with the changes underlined.

2000 INTERNATIONAL BUILDING CODE AMENDMENTS

NOTE: Wherever the International Plumbing Code and International Electrical Code are referenced, substitute the reference with the North Dakota State Plumbing Code and Wiring Standards of North Dakota.

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

305.2 Day Care.

Change to read:

The use of a building or structure, or portion thereof, for educational, supervision or personal care services for more than <u>twelve</u> children older than 2 years of age, shall be classified as a Group E occupancy.

308.5 Group I-4, Day Care Facilities.

Change to read:

This group shall include buildings and structures occupied by persons of any age who receive custodial care for less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage, adoption, and in a place other than the home of the person cared for. A facility such as the above with <u>twelve</u> or fewer persons shall be classified as a Group R-3.

308.5.1 Adult Care Facility.

Change to read:

A facility that provides accommodations for less than 24 hours for more than <u>twelve</u> unrelated adults and provides supervision and personal care services.

308.5.2 Child Care Facility.

Change to read:

A facility that provides supervision and personal care on less than a 24 hour basis for more than <u>twelve</u> children 2 years of age or less shall be classified as a Group I-4.

Exception:

310.1 Residential Group R.

Change R-3 to read:

Residential occupancies where the occupants are primarily permanent in nature and not classified as R-1, R-2 or I and where buildings do not contain more than two dwellings units, or adult and child care facilities that provide accommodations for <u>twelve</u> or fewer persons of any age for less than 24 hours.

CHAPTER 7

FIRE-RESISTANCE AND RATED CONSTRUCTION

710.3 Fire Resistance Rating.

Change the existing **Exception** to **Exception** 1 and add the following **Exception**:

Exception 2: The roof/ceiling assembly of a Group R-2 apartment otherwise required to be one hour fire rated construction may be protected at its ceiling with a single layer of 5/8" fire code sheet rock provided the building is protected with an automatic sprinkler system complying with section 903.2.8. For the purpose of use of this exception only, use of Exceptions 1 and 2 of Section 26 of NFPA 13R will not be allowed.

CHAPTER 9

FIRE PROTECTION SYSTEMS

907.2.10.1.1 Group R-1.

Add new provision as follows:

4. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room.

907.2.10.1.2 Groups R-2, R-3, R-4, and I-1.

Add new provision as follows:

4. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room.

MEANS OF EGRESS

1003.3.3.3 Stair Treads and Risers.

Change 5 as follows:

5. In occupancies in Group R-3, as applicable in Section 101.2, within dwelling units in occupancies in Group R-2, as applicable in Section 101.2, and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, the maximum riser height shall be 8 inches and the minimum tread depth shall be 9 inches. A nosing not less then 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread depth is less than 11 inches (279 mm).

SECTION 1007 - MISCELLANEOUS MEANS OF EGRESS REQUIREMENTS

Add new provision as follows:

1007.6 Electrical Equipment Room.

Where any rooms having electric panels rated 1200 amps or more and 1.8 m (6 ft) wide has an exit access door(s), the door(s) shall open in the direction of egress and be equipped with a panic device, pressure plates or other devices that are normally latched but open under simple pressure as required in 1003.3.1.9.

1009.1 General.

Delete **Exception** 1 and renumber other exceptions accordingly.

CHAPTER 11 ACCESSIBILITY

1101.2 Design.

Add as follows:

Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and ICC/ANSI A 117.1, or the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

1104.4 Multilevel Buildings and Facilities.

Add the following **Exception**:

3. In other than offices of healthcare providers, transportation facilities and airports, multitenant Group M retail and wholesale occupancies, elevators are not required in facilities that are less than three stories or that have less than 3,000 square feet per story.

1107.5.4 Accessible Dwelling Units.

Delete reference to Type A dwelling units in main paragraph and **Exceptions** 1 and 5 as follows:

In occupancies in Groups R-2 and R-3 as applicable in Section 101.2 where there are four or more dwelling units in a single structure, every dwelling unit shall be a Type B dwelling unit. Type B dwelling units shall comply with ICC/ANSI A117.1. Dwelling units required to be Type B dwelling units are permitted to be designed and constructed as Type A dwelling units.

Exceptions:

- 1. Where no elevator service is provided in a building, Type B dwelling units need not be provided on floors other than the ground floor.
- 5. The required number of Type B dwelling units shall not apply to a site where the lowest floor or the lowest structural building members is required to be at or above the base flood elevation resulting in:
 - 5.1. A difference...
 - 5.2. A slope...

CHAPTER 12 INTERIOR ENVIRONMENT

SECTION 1206 – SOUND TRANSMISSION

Delete entire **SECTION**

CHAPTER 13 ENERGY EFFICIENCY

EXTERIOR WALLS

1406.3 Balconies and Similar Projections.

Add the following **Exception**:

4. Private balconies and similar appendages serving individual dwelling units on buildings of type V construction.

CHAPTER 15

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

1507.2.6 Fasteners.

Add as follows:

Fasteners for asphalt shingles shall be galvanized, stainless steel, aluminum, or copper roofing nails, minimum 12 gage [0.105 inch (2.67 mm)] shank with a minimum 0.375 inch diameter (9.5 mm) head, of length to penetrate through the roofing materials and a minimum of 0.75 inch (19.1 mm) into the roof sheathing or other fasteners as approved by the building official and shingle manufacturer. Fasteners shall comply with ASTM 1667.

SECTION 1510 - REROOFING

Delete entire **SECTION** from Chapter 15 and reassign as **APPENDIX K**.

CHAPTER 16 STRUCTURAL DESIGN

1608.1 General.

Add as follows:

Design snow loads shall be determined in accordance with Section 7 of ASCE 7, but the design roof load shall not be less than that determined by Section 1607 nor less than 30 psf (0.96 kN/m²).

CHAPTER 29 PLUMBING FIXTURES

Table 2902.1 – Minimum Number of Plumbing Facilities

Change and add as follows:

	TABLE 2902.1 MINIMUM NUMBER OF PLUMBING FACILITIES (a)							
WATER CLOSETS (h) OCCUPANCY			LAVATORIES _(i)_	BATHTUBS/ SHOWERS	DRINKING FOUNTAINS	OTHERS		
		MALE FEMALE						
Ni	ghtclubs	1 per 40 1 per 40		1 per 75			1 service sink	
A	Restaurants (j)	1 per 60	1 per 60	<u>1 per 120</u>			1 service sink	
S S E	Theaters, halls, museums, etc.	1 per 125	1 per 65	1 per 200		1 per 500	1 service sink	
M B	Coliseums, arenas (less than 3,000 seats)	1 per 75	1 per 40	1 per 150		1 per 1000	1 service sink	
L Y	Coliseums, arenas (3,000 seats or greater)	1 per 120	1 per 60	Male 1 per 200 Female 1 per 150		1 per 1000	1 service sink	
	Churches (b)	1 per 150	1 per 75	1 per 200		1 per 1000	1 service sink	
	Stadiums (less than 3,000 seats) pools, etc.	1 per 100	1 per 50	1 per 150		1 per 1000	1 service sink	
	Stadiums (3,000 seats or greater)	1 per 150	1 per 75	Male 1 per 200 Female 1 per 150		1 per 1000	1 service sink	
Me	ercantile	1 per 300		1 per 600		1 per 1000	1 service sink	
Bu	siness	1 per 40		1 per 80		1 per 100	1 service sink	
Ed	ucational	1 per 50		1 per 50		1 per 100	1 service sink	
Fa	ctory and Industrial	1 per	: 100	1 per 100		1 per 400	1 service sink	
	Passenger terminals and transportation facilities		: 500	1 per 750		1 per 1000	1 service sink	
I N	Residential care	1 per 10		1 per 10	1 per 8	1 per 100	1 service sink	
I	Hospitals, ambulatory nursing home patients (c)	1 per ro	oom (d)	1 per room (d)	1 per 15	1 per 100	1 service sink	
T U T I O	Day nurseries, sanitariums, non- ambulatory nursing home patients, etc. (c)	1 per 15		1 per 15	1 per 15 (e)	1 per 100	1 service sink	
N A L	Employees, other than residential care (c)	1 per 25		1 per 35		1 per 100		

	MI	NIMUM N		F PLUMBING 1902.1 (Continu		S(a)	
	OCCUPANCY WATER CLOSETS (h) MALE FEMALE		LAVATORIES _(i)_	BATHTUBS/ SHOWERS	DRINKING FOUNTAINS (g)	OTHERS	
	sitors, other than idential care	1 per 75		1 per 100		1 per 500	
Pri	sons (c)	1 per	1 per cell		1 per 15	1 per 100	1 service sink
	ylums, reformatories, . (c)	1 per 15		1 per 15	1 per 15	1 per 100	1 service sink
Но	tels, Motels	1 per guestroom	1 per guestroom	1 per guestroom		1 service sink	
R E	Lodges	1 per 10	1 per 10	1 per 8	1 per 100	1 service sink	
S I D E N T I A L	Multiple Family	1 per dwelling unit	1 per dwelling unit	1 per dwelling unit		1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per 20 dwelling units	
	Dormitories	1 per 10	1 per 10	1 per 8	1 per 100	1 service sink	
	One-and Two -Family Dwellings	1 per dwelling unit	1 per dwelling unit	1 per dwelling unit		1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per dwelling unit <u>(f)</u>	
	Storage	1 per 100	1 per 100		1 per 1000	1 service sink	

- a. The fixtures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated. The number of occupants shall be determined by this code.
 - 1. Types of occupancies not shown on this table shall be considered individually by the Administrative Authority.
 - 2. The occupant load shall be composed of 50 percent of each sex.
- b. Fixtures located in adjacent buildings under the ownership or control of the church shall be made available during periods the church is occupied.
- c. Toilet facilities for employees shall be separate from facilities for inmates or patients.

- d. A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient rooms shall be permitted where such room is provided with direct access from each patient room and with provisions for privacy.
- e. For day nurseries, a maximum of one bathtub shall be required.
- f. For attached one-and two-family dwellings, one automatic clothes washer connection shall be required per 20 dwelling units.
- g. There shall be a minimum of one (1) drinking fountain per occupied floor in schools, theaters, auditoriums, dormitories, and businesses.
 - 1. Where food is consumed indoors, water stations may be substituted for drinking fountains. Where bottled water coolers are provided, drinking fountains shall not be required.
 - 2. Drinking fountains shall not be required in occupancies with less than 30 persons.
 - 3. Drinking fountains shall not be installed in toilet rooms.
- h. The provision of urinals may offset water closets otherwise required but the number of water closets required may not be reduced in this manner by more than fifty (50) percent.
 - 1. Walls and floors within two (2) feet (610 mm) of the sides and front of urinals must be finished with a smooth, hard, nonabsorbent finish of a material approved by the Administrative Authority.
- i. Where circular or similar hand washing appliances are provided, twenty-four (24) lineal inches (610 mm) of wash sink or eighteen (18) inches (457 mm) of a circular basin, when provided with water outlets for such space, shall be considered equivalent to one (1) lavatory.
- j. For the purpose of this table, a restaurant is defined as a business that sells food to be consumed on premises. The number of occupants for a drive in restaurant shall be considered as equal to the number of parking stalls.
 - 1. A hand sink is required to be available to employees in a restaurant or other food preparation occupancy.

CHAPTER 31 SPECIAL CONSTRUCTION

SECTION 3109 – SWIMMING POOL ENCLOSURES

Delete entire **SECTION** and reassign as **APPENDIX L.**

2000 INTERNATIONAL RESIDENTIAL CODE AMENDMENTS

NOTE: Wherever the International Plumbing Code and International Electrical Code are referenced, substitute the reference with the North Dakota State Plumbing Code and Wiring Standards of North Dakota.

CHAPTER 3 BUILDING PLANNING

R303.4.1 Light Activation.

Add and change as follows:

The control for activation of the required interior stairway lighting shall be accessible at the top and bottom of each stair <u>having more than five risers</u> without traversing any step of the stair. The illumination of exterior stairs shall be controlled from inside the dwelling unit.

Exception: Lights that are continuously illuminated or automatically <u>controlled</u>.

R307.1 Space Required.

Add as follows:

Fixtures shall be spaced as per Figure R307.2, with the exception of the clearance in front of water closets, which must be 24 inches.

R310.1 Emergency Escape Required.

Add the following **Exception**:

Exception: Below grade emergency escape and rescue windows may have a maximum sill height of 48 inches.

R310.2.1 Ladders and Steps.

Add as follows:

Window wells with a vertical depth greater than 44 inches (1118 mm) below the adjacent ground level shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position, or install a minimum 30" X 16" platform in the window well that will reduce the vertical depth of the window well to no more than 42" below the top of the window well and that will not impede the operation of the window. Ladders or steps

required by this section shall not be required to comply with Sections R314 and R315. Ladders of rungs shall have an inside width of at least 12 inches (305 mm), shall project at least 3 inches (76 mm) from the wall and shall be spaced not more than 18 inches (457 mm) on center vertically for the full height of the window well.

R312.1.2 Landings at Doors.

Delete the first **Exception** and substitute as follows:

Exception: Where a stairway of two or fewer risers is located on the exterior side of a door, other than the required exit door, a landing is not required for the exterior side of the door.

R314.2 Treads and Risers.

Change as follows:

The maximum riser height shall be <u>8</u> inches (196 mm) and the minimum tread depth shall be <u>9</u> inches (254 mm). The riser shall be measured vertically between leading edges of the adjacent treads and at a right angle to the treads leading edge. The walking surface of treads and landings of a stairway shall be sloped no steeper than one unit vertical in 48 units horizontal (2percent slope). The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

R315.1 Handrails.

Delete and substitute as follows:

Handrails shall be provided on at least one side of stairways consisting of more than three risers. Handrails shall have a minimum height of 34 inches (864 mm) and a maximum height of 38 inches (965 mm) measured vertically from the nosing of the treads. All required handrails shall be continuous the full length of the stairs from a point directly above the to riser to a point directly above the lowest riser of the stairway. The ends of the handrails shall be returned into the wall or shall terminate in newel posts or safety terminals. A minimum clear space of 1.5 inches (38 mm) shall be provided between the wall and the handrail.

R317.1 Single and Multiple Station Smoke Alarms.

Add to 3 as follows:

3. On each additional story of the dwelling, including basements and cellars but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the

lower level is less than one full story below the upper level. <u>In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room.</u>

CHAPTER 4 FOUNDATION

R403.1 General.

Add as follows:

All exterior walls <u>and interior bearing walls</u> shall be supported on continuous solid or fully grouted masonry or concrete footings, wood foundations, or other approved structural systems which 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.

R403.3 Frost Protected Shallow Foundations.

Delete **Exceptions** 1 and 2 and substitute as follows:

Exception: Foundations protected from frost in accordance with Figure 403.3(1) and Table R403.3 shall not be used for unheated spaces such as porches, utility rooms, garages and carports, and shall not be attached to basements or crawl spaces that are not maintained at a minimum monthly mean temperature of 64° F (18° C).

R405.2.3 Drainage Systems.

Change as follows:

In other than Group I soils, a sump shall be provided to drain the porous layer and footings. The sump shall be at least 18 inches in diameter or 16 inches square, extend at least 20 inches below the bottom of the basement floor and shall be capable of positive gravity or mechanical drainage to remove any accumulated water. The drainage system shall discharge into an approved sewer system or to daylight.

FLOORS

R502.3. Allowable Joist Spans.

Add new provision as follows:

R502.3.3 Floor Cantilevers.

Floor cantilever spans shall not exceed the nominal depth of the wood floor joist. Floor cantilevers constructed in accordance with Table R502.3.3 shall be permitted when supporting a light frame bearing wall and roof only. The ratio of backspan to cantilever shall be at least 3 to 1.

		SUP BEARI	PORTI	VER SP ING LIC ALL AN	BLE R5 ANS FO GHT-FI ND ROO D psf, R	OR FLO RAME OF ONL	EXTER Y abc.	RIOR .defg.				
				(Upli	Maxi ft Force		ntilever span Su		Lbs.)			
					G	round S	now Lo	ad				
Member & Spacing		s 20 psf			30 psf			50 psf			70 psf	
	Roof Width		Roof Width Roof Width Ro				Roof Width					
	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.
2 x 8 @ 12"	20"	15"		18"								
	(177)	(227)		(209)								
2 x 10 @ 16"	29"	21"	16"	26"	18"		20"					
	(228)	(297)	(364)	(271)	(354)		(375)					
2 x 10 @ 12"	36"	26"	20"	34"	22"	16"	26"			19"		
	(266)	(219)	(270)	(198)	(263)	(324)	(277)			(356)		
2 x 10 @ 16"		32"	25"	36"	29"	21"	29"	20"		23"		
		(287)	(356)	(263)	(345)	(428)	(367)	(484)		(471)		
2 x 12 @ 12"		42"	31"		37"	27"	36"	27"	17"	31"	19"	
		(209)	(263)		(253)	(317)	(271)	(358)	(447)	(348)	(462)	
2 x 12 @ 8"		48"	45"		48"	38"		40"	26"	36"	29"	18"
		(136)	(169)		(164)	(206)		(233)	(294)	(230)	(304)	(379)

For S1: 1 in. = 25.4 mm, 1 psf = 0.0479 kN/m^2

Notes:

- a. Tabulated values are for clear-span roof supported solely by exterior bearing walls.
- b. Spans are based on No. 2 Grade lumber of douglas fir-larch, hem-fir, southern pine, and spruce-pine-fir for repetitive (3 or more) members.
- c. Ratio of backspan to cantilever span shall be at least 3:1.
- d. Connections capable of resisting the indicated uplift force shall be provided at the backspan support.
- e. Uplift force is for a backspan to cantilever span ratio of 3:1. Tabulated uplift values are permitted to be reduced by multiplying by a factor equal to 3 divided by the actual backspan ratio provided (3/backspan ratio).
- f. See Section R301.2.2.7.1 for additional limitations on cantilevered floor joists for detached one-and two-family dwellings in Seismic Design Categories D1 and D2 and townhouses in Seismic Categories C, D1 and D2.
- g. A full-depth rim joist shall be provided at the cantilevered end of the joists. Solid blocking shall be provided at the cantilever support.
- h. Linear interpolation shall be permitted for building widths and ground snow loads other than shown.

R506.2.3 Vapor Retarder.

Add the following **Exception**:

4. Attached garages.

CHAPTER 7 WALL COVERING

R703.6.2 Plaster.

Add as follows:

Plastering with portland cement plaster shall be not less than three coats when applied over metal lath or wire and shall not be less than two coats when applied over masonry, concrete or gypsum backing. If the plaster surface is completely covered by veneer or other facing material or is completely concealed, plaster application need be only two coats, provided the total thickness is as set forth in Table R702.1(1). On wood frame construction with an on grade floor slab system, exterior plaster shall be applied in such a manner as to cover, but not extend below, lath, paper and screed. The proportion of aggregate to cementitious materials shall be as set forth in Table R702.1(3). Approved decorative coatings applied to concrete or masonry surface shall be installed in accordance with the manufacturer's installation instructions.

CHAPTER 8 ROOF CEILING CONSTRUCTION

R808.1 Combustible Insulation.

Change new provisions as follows:

Combustible insulation shall be separated a minimum of 3 inches (76 mm) from recessed lighting fixtures, fan motors and other heat producing devices.

Exception: When heat producing devices are listed for lesser clearances, combustible insulation complying with the listing requirements shall be separated in accordance with the conditions stipulated in the listing. Recessed lighting fixtures installed in the building thermal envelope shall meet the requirements of the <u>National Electrical Code</u>.

ROOF ASSEMBLIES

R905.2.5 Fasteners.

Add as follows:

Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum or copper roofing nails, minimum 12 gage [0.105 inch (2.67 mm)] shank with a minimum 3/8inch (9.5 mm) diameter head, ASTM F 1667, of a length to penetrate through the roofing materials and a minimum of 3/4 inch (19.1 mm) into the roof sheathing or other fasteners as approved by the building official and shingle manufacturer. Where the roof sheathing is less than 3/4 inch (19.1 mm) thick, the fasteners shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

SECTION R907 – Reroofing

Delete entire **SECTION** and reassign as **Appendix M** (reflects order of Appendices in the Fourth Printing edition)

Figure 907.3 Hail Risk Map

Delete map

CHAPTER 11

ENERGY EFFICIENCY

Delete the entire **CHAPTER**

CHAPTER 13

GENERAL MECHANICAL SYSTEMS REQUIREMENTS

M1305.1 Appliance Access for Inspection, Service, Repairs, and Replacement.

Add as follows:

Appliances shall be accessible for inspection, service, repair and replacement without removing permanent construction. Thirty inches (762 mm) of working space shall be provided in front of the control side to service an appliance. Room heaters shall be permitted to be installed with at least and 18inch (457 mm) working space. A platform shall not be required for room heaters. Means shall be provided to gain access to hot tub, massage bathtub, and other equipment requiring maintenance or repair without damaging the building structure or building finish.

EXHAUST SYSTEMS

M1501.3 Length Limitation.

Add as follows:

The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet (7620 mm) from the dryer location including two 90 degree elbows to the wall or roof termination. The maximum length of the duct shall be reduced 2.5 feet (769 MM) for each additional 45 degree (0.79 rad) bend and 5 feet (1524 mm) for each additional 90 degree (1.6 rad) bend.

CHAPTER 17 COMBUSTION AIR

M1703.4 Attic Combustion Air.

Delete entire section

CHAPTER 18 CHIMNEYS AND VENTS

M1801.1 Venting Required.

Change as follows by deleting part of first sentence:

Fuel burning appliances shall be vented to the outside in accordance with their listing and label and manufacturer's installation instructions. Venting systems shall consist of approved chimneys and vents, or venting assemblies that are integral parts of labeled appliances. Gas fired appliances shall be vented in accordance with Chapter 24.

CHAPTER 21 HYDRONIC PIPING

M2101.3 Protection of Potable Water.

Change as follows:

The potable water system shall be protected from backflow in accordance with the <u>North Dakota State Plumbing Code</u>.

FUEL GAS

G2406.2 (303.3) Prohibited Locations.

Delete **Exceptions** 3 and 4.

G2407.11.1 (304.11.1) Two Opening Method.

Change first paragraph as follows:

Two permanent openings, one commencing within 12 inches (305 mm) of the top, and one commencing within 12 inches (305 mm) of the bottom, of the enclosure shall be provided. The openings shall communicate directly, or by ducts, with the outdoors or <u>crawl</u> spaces that freely communicate with the outdoors.

Where directly communicating ...

Where communicating ...

G2407.11.2 (304.11.2) One Opening Method.

Change as follows:

One permanent opening, commencing within 12 inches (305 mm) of the top of the enclosure, shall be provided. The equipment shall have clearances of at least 1 inch (25.4 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 shall communicate through a vertical or horizontal duct to the outdoors or <u>crawl</u> spaces that freely communicate with the outdoors [see Figure G2407.11(4)], and shall have a minimum free area of 1 square inch per 3,000 Btu per hr (7cm per kW) of the total input rating of all equipment located in the enclosure, and not less than the sum of the areas of all vent connectors in the confined space.

Figure G2407.11(1)

Delete entire **Figure**

Figure G2407.11(2)

Delete entire **Figure**

Figure G 2407.11(4)

Delete reference to alternate opening location in the **Figure**

G2407.15 (304.15) Combustion Air Ducts.

Delete **Exception** 5 and renumber accordingly.

G2418.2 (408.2) Drips.

Change as follows by deleting second sentence:

Where wet gas exists, a drip shall be provided at any point in the line of pipe where condensate could collect.

G2424.8 (501.8) Equipment Not Required to Be Vented.

Delete item 7

G 2437.5.1 (613.6.1) Maximum Length.

Change main paragraph as follows:

The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet (7620 mm) from the dryer location <u>including two 90 degree elbows</u> to the outlet terminal. The maximum length shall be reduced 2 feet (762 mm) for each <u>additional</u> 45 degree (0.79 rad) bend and 5 feet (1524 mm) for each 90 <u>additional</u> degree (1.6 rad) bend.

Exception: Where ...

G2440.6 (617.6) Screen.

Change as follows:

Required outdoor air inlets shall be covered with a screen having 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 1/4 inch (6.4 mm) and not larger than 1/2 inch.

SECTION G2443 (620) – UNVENTED ROOM HEATERS

Delete entire **SECTION**

CHAPTER 25 PLUMBING ADMINISTRATION

CHAPTER 26 GENERAL PLUMBING REQUIREMENTS

Delete entire **CHAPTER**

CHAPTER 27
PLUMBING FIXTURES

Delete entire **CHAPTER**

CHAPTER 28
WATER HEATERS

Delete entire **CHAPTER**

CHAPTER 29
WATER SUPPLY AND DISTRIBUTION

Delete entire **CHAPTER**

CHAPTER 30 SANITARY DRAINAGE

Delete entire **CHAPTER**

CHAPTER 31 VENTS

TRAPS

Delete entire **CHAPTER**

CHAPTER 33

GENERAL REQUIREMENTS

Delete entire **CHAPTER**

CHAPTER 34

ELECTRICAL DEFINITIONS

Delete entire **CHAPTER**

CHAPTER 35

SERVICES

Delete entire **CHAPTER**

CHAPTER 36

BRANCH CIRCUIT AND FEEDER REQUIREMENTS

Delete entire **CHAPTER**

CHAPTER 37

WIRING METHODS

CHAPTER 38 POWER AND LIGHTING DISTRIBUTION

Delete entire **CHAPTER**

CHAPTER 39 DEVICES AND LIGHTING FIXTURES

Delete entire **CHAPTER**

CHAPTER 40

APPLIANCE INSTALLATION

Delete entire **CHAPTER**

CHAPTER 41 SWIMMING POOLS

Delete entire **CHAPTER**

CHAPTER 42

CLASS 2 REMOTE CONTROL SIGNALING AND POWER LIMITED CIRCUITS

2000 INTERNATIONAL MECHANICAL CODE AMENDMENTS

NOTE: Wherever the International Plumbing Code and International Electrical Code are referenced, substitute the reference with the North Dakota State Plumbing Code and Wiring Standards of North Dakota.

CHAPTER 4

VENTILATION

Table 401.6 – Opening Sizes in Louvers, Grilles and Screens Protecting Outdoor Exhaust and Air Intake Openings

Change > 1 inch to > $\frac{1}{2}$ inch in third row, second column

404.2 Minimum Ventilation.

Add the following **Exception**:

Exception: A system capable of providing .75 cfm per square foot of floor area may be installed provided the ventilation system is operated on a timer in such a manner as to provide 15 minutes operation in each hour, 24 hours per day. Exhaust openings may not terminate within 3 feet of any other exterior opening.

CHAPTER 5 EXHAUST SYSTEMS

504.6.1 Maximum Length.

Add as follows:

The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet 97620 mm) from the dryer location <u>including two 90 degree elbows</u> to the outlet terminal. The maximum length of the duct shall be reduced 2.5 feet (762 mm) for each <u>additional</u> 45 degree (0.79 rad) bend and 5 feet (1524 mm) for each additional 90 degree (1.6 rad) bend.

508.2 Compensating Hoods.

Add new provision as follows:

508.2.1 Compensating Hood Makeup Air.

Compensating hoods shall extract at least 40 percent of the required exhaust air flow from the kitchen area.

COMBUSTION AIR

701.4 Crawl Space and Attic Space.

Change as follows by deleting reference to "attic space":

701.4 Crawl Space.

For the purposes of this chapter, an opening to a naturally ventilated crawl space shall be considered equivalent to an opening to the outdoors.

701.4.2 Attic Space.

Delete the entire section

701.5 Prohibited Sources.

Add as follows:

Openings and ducts shall not connect appliance enclosures with a space in which the operation of fan will adversely affect the flow of combustion air. Combustion air shall not be obtained from a hazardous location, except where fuel fired appliances are located with the hazardous location and are installed in accordance with this code. Combustion air shall not be taken from a refrigeration machinery room or an attic.

CHAPTER 11 REFRIGERATION

1104.2 Machinery Room.

Add the following **Exception**:

3. If an existing refrigerating system is replaced or if an existing refrigeration plan is increased by not more than 50 percent of its original capacity, but not more than 100 tons per system using a nonflammable 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 a general machinery room separated from occupied spaces, a refrigeration machinery room shall be provided. The space containing the refrigeration machinery shall meet the requirements of Section 1104.3.4, Protection from refrigerant decomposition, and Section 1105.3, Refrigerant detector. If the requirements of 1104.3.4 and 1105.3 cannot be met, a refrigeration machinery room shall be provided.

2000 INTERNATIONAL FUEL GAS CODE AMENDMENTS

NOTE: Wherever the International Plumbing Code and International Electrical Code are referenced, substitute the reference with the North Dakota State Plumbing Code and Wiring Standards of North Dakota.

CHAPTER 3 GENERAL REGULATIONS

303.3 Prohibited Locations.

Delete **Exceptions** 3 and 4 and renumber accordingly

Figure 304.11(1)

Delete reference to "attic"

CHAPTER 4 GAS PIPING INSTALLATION

403.10.1 Pipe Joints.

Add new provision as follows:

403.10.1.1 Welding.

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

403.10.4 Metallic Fittings.

Change 1 as follows:

1. Threaded fittings in sizes 2 ½ inches or larger shall not be used except where approved.

408.2 Drips.

Change as follows by deleting second sentence:

Where wet gas exists, a drip shall be provided at any point in the line of pipe where condensate could collect.

411.1 Connecting Appliances.

Delete 2 and renumber accordingly and add as follows to the new 5

5. Listed and labeled appliance connectors complying with ANSI Z21.69 and listed for use with food service equipment having casters, or that is otherwise subject to movement for cleaning, and other large movable equipment. Connectors shall have listed and labeled quick-disconnect devices and shall have retaining cable attached to structures and equipment.

CHAPTER 5

CHIMNEYS AND VENTS

501.12 Residential and Low Heat Appliances Flu Lining Systems.

Add new provision as follows:

501.12.1 Gas Venting into Masonry Chimneys.

An approved metallic liner shall be installed in masonry chimneys used to vent gas appliances. The liner shall comply with one of the following:

- 1. Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick to 8 inches diameter.
- 2. 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.
- 3. Listed vent systems.

Exception: Metallic liners are not required when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/hr.

CHAPTER 6 SPECIFIC APPLIANCES

613.6.1 Maximum Length.

Add as follows:

The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet from the dryer location <u>including two 90-degree elbows to the wall or roof termination</u>. The maximum length of the duct shall be reduced 2.5 feet for each <u>additional</u> 45-degree bend and 5 feet for each additional 90-degree bend.

617.6 Screen.

Change as follows:

Required outdoor air inlets for residential portions of a building shall be covered with a screen having 1/4inch (6.4 mm) openings. Required outdoor inlets serving a nonresidential portion of a building shall be covered with a screen having openings larger than 1/4 inch (6.4mm) and not larger than 1/2 inch.

620.1 General.

Delete

620.2 Prohibited Use.

Delete

620.3 Input Rating.

Delete

620.4 Prohibited Locations.

Delete

620.5 Room or Space Volume.

Delete

620.6 Oxygen Depletion Safety System.

Delete

620.7 Unvented Log Heaters.

Renumber to 620.1

622.1 Cooking Appliances.

Add as follows:

Cooking appliance that are designed for permanent installation, including ranges, ovens, stoves, broilers, grills, fryers, griddles, hot plates and barbecues, shall be tested in accordance with ANSI Z21.1, ANSI Z21.58, or ANSI Z83.11 and shall be listed, labeled, and shall be installed in accordance with the manufacturer's installation instructions.

AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)

N.D.C.C 54-21.3-04.1 (see page 9) requires that every building or facility subject to the federal Americans with Disabilities Act must conform to the accessibility standards of the Americans with Disabilities Act Accessibility Guidelines ADAAG). The law also requires a state agency or the governing body of a political subdivision to obtain from any person preparing plans and specifications for a building or facility subject to the Americans with Disabilities Act, a statement that the plans and specifications are, in the professional judgment of that person, in conformance with the ADAAG. This form must then be submitted to the Division of Community Services. Page 42 of this document contains the ADAAG Conformance Statement that is required.

ADAAG CONFORMANCE STATEMENT

NORTH DAKOTA DIVISION OF COMMUNITY SERVICES SFN 19701 (03/02)

(This form must be submitted for new construction, alternations and additions to buildings and facilities subject to the

Americans with Disabilities Act)	TIME DIGARY TIMES	A CITE A CONTINUE TO THE CONTINUE TO THE	IDEL DIEG
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Name & Building Address		Owner	
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Type of Construction	New Building □	Sq. Ft	
	Addition \square	Sq. Ft	
Describe Alteration:	Alteration	Sq. Ft	
Describe Alteration:			
Type of Occupancy/Use (Refer	r to Occupancies and D	Divisions defined in the Uniform	m Building Code):
I certify, to the best of my prof	essional judgement, the	at the plans and specifications	for the above referenced
building or facility conforms w		· · · · · · · · · · · · · · · · · · ·	
Buildings and Facilities as ado	pted in North Dakota C	Century Code Section 54-21.3-	04.1.
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Seite	400 East Bro	oadway, Suite 50	
	PO Box 205 Bismarck, N	7 ID 58502-2057	
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SAMPLE MODEL ORDINANCE

The following is a Sample Model Ordinance for the adoption of the State Building Code for those cities, townships, and counties that elect to administer and enforce a building code.

Adoption of Code

The erection, construction, enlargement, alteration, repair, moving, removal, demolition, conversion, occupancy, equipment, uses, height, area and maintenance of buildings or structures in the City/Township/County of shall meet with the provisions of the rules and regulations of the North Dakota State Building Code and any future updates and amendments to that code, copies of which are on file with the City Auditor/Township Board/County Auditor and are hereby made a part of this chapter by reference with the exception of the sections hereinafter set forth affecting local conditions in the City/Township/County, which are amended, for use and application in the City/Township/County, and the City/Township/County hereby adopts said code as so modified.
city/ Township/ County, and the City/ Township/ County hereby adopts said code as so modified.
Amendments
Sec Shall be amended to read as follows:
Sec Shall be deleted
Sec Shall be added to said code to read as follows:
Fees
Fees under the Building Code shall be as follows:
NOTE: A suggested Building Permit Fees schedule can be found on page 14 of this document.