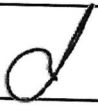



jme

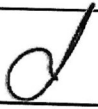
CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 101.1 Title			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 101.1 Title. These regulations shall be known as the Mechanical Code of the local jurisdiction herein after referred to as "this code."			
Reason: (attach additional pages if necessary) Historical Administrative Amendment.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

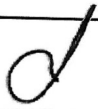
CODE AMENDMENT SUBMITTAL
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<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 103.1 General Section 104.8 Liability			
Check One and Complete (attach additional pages if necessary)			
<input type="checkbox"/> Revise as follows: <input checked="" type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
^{104.8} Section 103.4 The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.			
Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or			
Reason: (attach additional pages if necessary)			
Historical Administrative Amendment. Resolves liability of code official.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			


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<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> Other _____	
Revision Section 106.4.8 Posting of a permit			
Check One and Complete (attach additional pages if necessary)			
<input type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input checked="" type="checkbox"/> Delete			
Section 106.4.8 is hereby deleted in its entirety.			
Reason: (attach additional pages if necessary) Historical Amendment.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

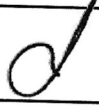
CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code	<input type="checkbox"/> 2021 International Building Code		
<input type="checkbox"/> 2018 International Residential Code	<input type="checkbox"/> 2021 International Residential Code		
<input type="checkbox"/> 2018 International Mechanical Code	<input checked="" type="checkbox"/> 2021 International Mechanical Code		
<input type="checkbox"/> 2018 International Fuel Gas Code	<input type="checkbox"/> 2021 International Fuel Gas Code		
<input type="checkbox"/> 2018 International Energy Conservation Code	<input type="checkbox"/> 2021 International Energy Conservation Code		
<input type="checkbox"/> 2018 Existing Building Code	<input type="checkbox"/> 2021 Existing Building Code		
<input type="checkbox"/> Other _____			
Revision Section 106.5.2 Fee Schedule			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
106.5.2 Fee schedule. The fees for mechanical work shall be as indicated in the schedule as established by the local jurisdiction.			
Reason: (attach additional pages if necessary) Historical Amendment. Allows fee schedule to be set by jurisdiction.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

Name James Schmidt		Jurisdiction/Company/Organization North Dakota State Electrical Board	
Signature 		Address 1929 N. Washington St. Ste. A-1	
City Bismarck		State ND	ZIP Code 58507-7335
Telephone Number (701) 328-9522		Email jameschmidt@nd.gov	
Code to be Revised		<input checked="" type="checkbox"/> 2021 International Building Code <input checked="" type="checkbox"/> 2021 International Residential Code <input checked="" type="checkbox"/> 2021 International Mechanical Code <input checked="" type="checkbox"/> 2021 International Fuel Gas Code <input checked="" type="checkbox"/> 2021 International Energy Conservation Code <input checked="" type="checkbox"/> 2021 Existing Building Code <input type="checkbox"/> Other _____	
Revision Sections 201.3			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
<p>201.3 Where terms are not defined in this code such terms shall have meaning ascribed to them as in other code publications of the International Code Council. <u>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 Code, 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.</u></p>			
<p>Reason: (attach additional pages if necessary) Existing amendment clarifies references to applicable electrical codes and wiring standards which are adopted by the North Dakota State Electrical Board and to applicable plumbing standards which are adopted by the North Dakota State Plumbing Board.</p>			
<p>SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496</p>			


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 305.4 Interval of support			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 305.4 Interval of support. Piping shall be supported at distances not exceeding the spacing specified in Table 305.4, or in accordance with ANSI/MSS SP-58. In addition to the requirements of Table 305.4, piping and tubing shall be supported within 2 feet (610 mm) of every bend or angle.			
Reason: (attach additional pages if necessary) Historical Amendment. Adds the requirement for support within 2 feet of a bend or angle.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)


Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> Other _____	
Revision Section 307.2.2 Drain pipe materials and sizes			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Components of the condensate disposal system shall be ABS, cast iron, copper, and copper alloy, CPVC, cross-linked polyethylene, galvanized steel, PE-RT, polyethylene, polypropylene, PVC, or polypropylene PVDF pipe or tubing. 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 pipe size 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.			
Reason: (attach additional pages if necessary) Historical Amendment. Adds the ND plumbing code and removes IPC.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)


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Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 401.2 Ventilation Required			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 401.2 Ventilation required. Every occupied space shall be ventilated by natural means in accordance with Section 402 or by mechanical means in accordance with Section 403.			
Reason: (attach additional pages if necessary)			
Historical Amendment. Removes "Dwelling units complying with the air leakage requirements of the International Energy Conservation Code or ASHRAE 90.1 shall be ventilated by mechanical means in accordance with Section 403. Ambulatory care facilities and Group I-2 occupancies shall be ventilated by mechanical means in accordance with Section 407."			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES


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Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> Other _____	
Revision Section 403.1 Ventilation system			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 403.1 Ventilation system. 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.			
Reason: (attach additional pages if necessary)			
Historical Amendment. Removes requirements for Group R-2, R-3 and R-4 occupancies.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

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Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 504.9.2 Duct Installation			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
504.9.2 Duct installation. 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.			
Reason: (attach additional pages if necessary)			
Historical Amendment. Removes "or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct."			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

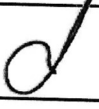
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Code to be Revised		
<input type="checkbox"/> 2018 International Building Code	<input type="checkbox"/> 2021 International Building Code	
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<input type="checkbox"/> 2018 International Mechanical Code	<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code	<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code	<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code	<input type="checkbox"/> 2021 Existing Building Code	
<input type="checkbox"/> Other _____		
Revision Section 508.2 Compensating hoods		
Check One and Complete (attach additional pages if necessary)		
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete		
Section 508.2 Compensating hoods. 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.		
Reason: (attach additional pages if necessary)		
Historical Amendment. Adds the restriction on short circuit compensating hoods.		
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496		


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Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
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<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 508.2.1 Compensating Hood Make-up Air.			
Check One and Complete (attach additional pages if necessary)			
<input type="checkbox"/> Revise as follows: <input checked="" type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 508.2.1 Compensating hoods shall extract at least 40% of the required exhaust air flow from the kitchen area.			
Reason: (attach additional pages if necessary) Historical Amendment. Adds section 508.2.1.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

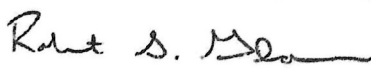
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Telephone Number (701) 476-4147	Email SOuradnik@FargoND.gov	
Code to be Revised		
<input type="checkbox"/> 2018 International Building Code	<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code	<input type="checkbox"/> 2021 International Residential Code	
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<input type="checkbox"/> 2018 International Fuel Gas Code	<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code	<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code	<input type="checkbox"/> 2021 Existing Building Code	
<input type="checkbox"/> Other _____		
Revision Section 908.5 Water supply.		
Check One and Complete (attach additional pages if necessary)		
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete		
Section 908.5 Water supply. Cooling towers, evaporative coolers and fluid coolers shall be provided with an approved water supply, sized for peak demand. The quality of water shall be provided in accordance with the equipment manufacturer's recommendations. The piping system and protection of the potable water supply system shall be installed as required by the North Dakota State Plumbing Code.		
Reason: (attach additional pages if necessary)		
Historical Amendment. Replaces IPC with ND plumbing code.		
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496		

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ND DIVISION OF COMMUNITY SERVICES
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Code to be Revised			
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<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 1008.2 Discharge			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 1008.2 Discharge. Blow-off valves shall discharge to a safe place of disposal. Where discharging to the drainage system, the installation shall conform to the North Dakota State Plumbing Code.			
Reason: (attach additional pages if necessary) Historical Amendment. Replaces IPC with ND plumbing code.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

Name Robert Glass		Jurisdiction/Company/Organization Daikin Comfort Technologies	
Signature 		Address 12680 Lock 15 Road	
City Tuscaloosa		State Alabama	ZIP Code 35406
Telephone Number (205) 759-9638		Email Robert.Glass@daikincomfort.com	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code	<input type="checkbox"/> 2021 International Building Code		
<input type="checkbox"/> 2018 International Residential Code	<input type="checkbox"/> 2021 International Residential Code		
<input type="checkbox"/> 2018 International Mechanical Code	<input checked="" type="checkbox"/> 2021 International Mechanical Code		
<input type="checkbox"/> 2018 International Fuel Gas Code	<input type="checkbox"/> 2021 International Fuel Gas Code		
<input type="checkbox"/> 2018 International Energy Conservation Code	<input type="checkbox"/> 2021 International Energy Conservation Code		
<input type="checkbox"/> 2018 Existing Building Code	<input type="checkbox"/> 2021 Existing Building Code		
	<input type="checkbox"/> Other _____		
Revision Table 1103.1 Footnote c as noted on attached.			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
See attached.			
Reason: (attach additional pages if necessary) The change to Table 1103.1 footnote c is to note that A2L is a classification in ASHRAE 34 by itself. It is no longer identified as a subclass of 2. ASHRAE 34 changed the classification of 2Ls in 2019 edition to a full group resulting in A2L and B2L classification of refrigerants. This is a simplified version from what has been done in the 2024 IMC but retains the same information. This update to Table 1103.1 has been approved by ICC for the 2024 IMC (Group A Item M74-21).			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

1-2
K. L. ...
2024

**Proposed Amendments to North Dakota Mechanical Code
(Based on 2021 IMC)**

**TABLE 1103.1
REFRIGERANT CLASSIFICATION, AMOUNT AND OEL**


Footnote:

c. The ASHRAE Standard 34 flammability classification for this refrigerant is 2L, ~~which is a subclass of Class 2.~~

Substantiation:

The change to Table 1103.1 footnote c is to note that A2L is a classification in ASHRAE 34 by itself. It is no longer identified as a subclass of 2. ASHRAE 34 changed the classification of 2Ls in 2018 to a full group resulting in A2L and B2L classification of refrigerants. This is a simplified version from what has been done in the 2024 IMC but retains the same information. This update to Table 1103.1 has been approved by ICC for the 2024 IMC (Group A Item M74-21).

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
<input type="checkbox"/> Other _____			
Revision Section 1104.2 Machinery rooms			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input checked="" type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 1104.2 Machinery rooms is hereby amended to add the following new third 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			
Reason: (attach additional pages if necessary)			
Historical Amendment. Adds exception 3.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

Name Robert Glass		Jurisdiction/Company/Organization Daikin Comfort Technologies	
Signature <i>Robert S. Glass</i>		Address 12680 Lock 15 Road	
City Tuscaloosa		State Alabama	ZIP Code 35406
Telephone Number (205) 759-9638		Email Robert.Glass@daikincomfort.com	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 1104.3.1 to add sentence about using Group A1 or A2L refrigerants for high probability systems for human comfort.			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
See attached.			
Reason: (attach additional pages if necessary) The proposed change to section 1104.3.1 is necessary to fully recognize the use of A2L refrigerants in high probability (direct) air conditioning systems for human comfort. This update has been approved by ICC for the 2024 IMC (Group A Item M75-21).			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

**Proposed Amendments to North Dakota Mechanical Code
(Based on 2021 IMC)**

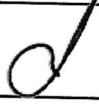
1104.3.1 Air conditioning for human comfort.

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.

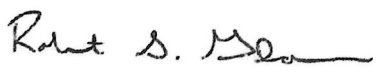
Substantiation:

The proposed change to section 1104.3.1 is necessary to fully recognize the use of A2L refrigerants in high probability (direct) air conditioning systems for human comfort. This update has been approved by ICC for the 2024 IMC (Group A Item M75-21).

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

Name City of Fargo		Jurisdiction/Company/Organization Fargo	
Signature 		Address 225 4th St N	
City Fargo ND		State ND	ZIP Code 58102
Telephone Number (701) 476-4147		Email SOuradnik@FargoND.gov	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Section 1208.1 General			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
Section 1208.1 General. New hydronic piping shall be isolated and tested hydrostatically at not less than 100 psi (689 kPa). The duration of the test shall be not less than 15 minutes.			
Reason: (attach additional pages if necessary)			
Historical Amendment. Removes "one and one-half times the maximum system design pressure, but not less than".			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

Name Robert Glass		Jurisdiction/Company/Organization Daikin Comfort Technologies	
Signature 		Address 12680 Lock 15 Road	
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Telephone Number (205) 759-9638		Email Robert.Glass@daikincomfort.com	
Code to be Revised			
<input type="checkbox"/> 2018 International Building Code		<input type="checkbox"/> 2021 International Building Code	
<input type="checkbox"/> 2018 International Residential Code		<input type="checkbox"/> 2021 International Residential Code	
<input type="checkbox"/> 2018 International Mechanical Code		<input checked="" type="checkbox"/> 2021 International Mechanical Code	
<input type="checkbox"/> 2018 International Fuel Gas Code		<input type="checkbox"/> 2021 International Fuel Gas Code	
<input type="checkbox"/> 2018 International Energy Conservation Code		<input type="checkbox"/> 2021 International Energy Conservation Code	
<input type="checkbox"/> 2018 Existing Building Code		<input type="checkbox"/> 2021 Existing Building Code	
		<input type="checkbox"/> Other _____	
Revision Chapter 15 Referenced Standards including (1) adding CSA C22.2 No. 60335-2-40:19 as this was not included in the 2021 IMC, but should have been, (2) updating the UL 60335-2-40-2017 to the 2019 edition and updating the sections referenced list.			
Check One and Complete (attach additional pages if necessary)			
<input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete			
See attached.			
Reason: (attach additional pages if necessary) See attached.			
SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496			

**Proposed Amendments to North Dakota Mechanical Code
(Based on 2021 IMC)**

Chapter 15 REFERENCED STANDARDS

CSA

CSA Group
8501 East Pleasant Valley Road
Cleveland, OH 44131-5516

Standard reference number	Title
<u>CSA C22.2 No. 60335-2-40:19</u>	<u>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</u>

UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard reference number	Title
<u>60335-2-40-172019</u>	<u>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</u>

Substantiation: Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Nationally Recognized Testing Laboratories (or NRTLs), use the latest version of the UL 60335-2-40 safety standard for certification testing. This update to the UL/CSA 60335-2-40-2019 has been approved by ICC for the 2024 IMC (Group A Item M72-21).

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems. The current lists of refrigerants in the Mechanical Code that comply with the Low GWP requirements of the AIM Act fall into the classification of Group A2L, B2L, A2, and A3. For high probability systems,

manufacturers will be switching to Group A2L refrigerants from the current A1. Therefore, the Mechanical Code needs to be updated to address the use of Group A2L refrigerants in high probability (direct) systems. ASHRAE 15-2019 addresses all of the safety issues regarding the use of Group A2L refrigerants.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40, which is the 2019 edition.

UL 1995 Transition to UL 60335-2-40



JULY 31

2019

Existing products impacted by, but do not yet comply with the new Electric Heat Back-up Protection requirements or the Ultraviolet Light (UV) requirements noted in UL 1995, 5th edition must be evaluated for compliance

DECEMBER

2018

UL 60335-2-40 3rd edition is out for ballot. This edition contains A2L refrigerant specific requirements. The scope now aligns with UL 1995

SEPTEMBER 15

2017

- UL 60335-2-40, 2nd edition published
- Includes requirements for air-conditioners rated up to 15kV, partial units, and revised electric heat requirements.
 - Includes requirements for the use of A2 and A3 (flammable) refrigerants.

NOVEMBER 30

2012

UL 60335-2-40, 1st edition published

- Covers products rated less than 600 Volts.
- Does not include requirements for the use of A2 and A3 (flammable) refrigerants.

Currently, manufacturers may have UL 1995 Certified products evaluated to UL 60335-2-40. UL 1995 will remain a valid certification standard through January 1, 2024, when it will be effectively obsolete. At that time, UL 1995 will no longer be used to certify new products.

JANUARY 1
2024

All products shall comply with UL 60335-2-40 3rd edition by January 1, 2024. Today, products may be listed to either UL 1995 or UL 60335-2-40. However, with minimum equipment efficiency changes scheduled for 2023 and 2024, coupled with Low GWP refrigerant requirements expected in several states, all equipment within the scope of UL 1995 shall be retested to the requirements in the 3rd edition UL 60335-2-40

FEBRUARY 6
2019

60335-2-40 ballot closes

JULY 15

2015

UL 1995, 5th edition published
The 5th Edition covers all products..

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