




PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS
NORTH DAKOTA STATE ELECTRICAL BOARD
SFN 61917 (12-2020)

- Type or print legibly.
- Use a separate copy for each proposal.
- Limit each proposal to a SINGLE section.
- All proposals must be received by the North Dakota State Electrical Board by **2/28/2022 at 5:00 p.m.**
- The North Dakota State Electrical Board will hold a public administrative hearing on the accepted proposed changes. Time and place to be announced at a later date.

Date 2/28/22		Legislative Year 2023	
Name (First, Last) North Dakota State Electrical Board		Address P.O. Box 7335	
City Bismarck		State North Dakota	ZIP Code 58507
Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1		Section/Paragraph	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p style="text-align: center;">Adopt NFPA 70 2020 <u>2023</u> edition National Electrical Code [<u>1st version, printed in 2022</u>] and NFPA 101 2018 <u>2021</u> edition Life Safety Code, except if articles are specifically amended.</p>			
Statement of Problem and Substantiation for Proposal <p style="text-align: center;">To keep current on national electrical codes.</p>			
Signature 		Date 2/28/22	

Submit completed proposal to:


North Dakota State Electrical Board
PO Box 7335
Bismarck, ND 58507

Phone: 701-328-9522
Fax: 701-328-9524
Email address: electric@nd.gov
Website: www.ndseb.com



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Home Phone Number N/A	Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable		
Administrative Rule to Change 24.1-02-01-01	Section/Paragraph (4)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text		
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p>4. "Service" means the conductors and equipment for delivering electric energy from the serving <u>utility</u> source to the wiring system of the premises served.</p>		
Statement of Problem and Substantiation for Proposal <p>Clarifies definition.</p>		
Signature 	Date 2/28/22	

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Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-03-01-01		Section/Paragraph (5)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input checked="" type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted 5. Effective November 1, 2020, annual renewals must be submitted electronically through the board's website. The license and registration or annual renewal fees are as follows:			
Statement of Problem and Substantiation for Proposal Statement not necessary as it is understood.			
Signature 		Date 2/28/22	

Submit completed proposal to:

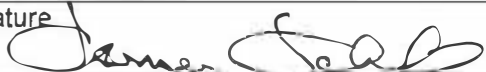
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Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-05-01-01		Section/Paragraph (2)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted			
<p>2. Before work commences on any electrical installation when a new <u>entrance service</u> is installed, an existing <u>entrance service</u> is altered or repaired, a building is moved, when a mobile home <u>service/feeder</u> is installed, or when the cost of the repair work or additional installation exceeds five hundred dollars, the master, class B, or power limited electrician supervising such installation shall submit an electrical wiring certificate and distribute as follows:</p>			
Statement of Problem and Substantiation for Proposal			
Clarification of intent and wording.			
Signature 		Date 2/28/22	

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#5



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Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-05-01-01		Section/Paragraph (2)(b)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input checked="" type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p>b. Within fifteen days of completion, use, or occupancy, whichever is first, the final paperwork must be submitted to the office of the board, along with the proper fee. The wiring certificate must be completed with the location and a proper description of work completed.</p>			
Statement of Problem and Substantiation for Proposal <p>Not necessary as board is defined.</p>			
Signature 		Date 2/28/22	

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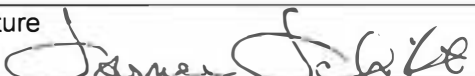
#6



PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS

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Administrative Rule to Change 24.1-05-01-01		Section/Paragraph (4)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input checked="" type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p>4. E-certs are available upon request and submission of an application from any master, class B or power limited electrician holding a proper current license from the board. Electrical (paper) wiring certificates are available until August 31, 2020, or the effective date of the 2020 Laws, Rules & Wiring Standards. The master, class B, or power limited electrician is responsible for all certificates issued to and by that person. A charge of twenty-five dollars to cover board costs must be assessed on each lost electrical paper wiring certificate issued to any master, class B, or power limited electrician, unless returned to the board.</p>			
Statement of Problem and Substantiation for Proposal <p>Filing certificates electronically is only option.</p>			
Signature 		Date 2/28/22	

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Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-01-10		Section/Paragraph (7)	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted 7. <u>Copper clad aluminum conductors in sizes smaller than no. 6 shall be used only for class II and class III circuits.</u>			
Statement of Problem and Substantiation for Proposal Where conductors smaller than #6 are used, copper clad aluminum conductors which are a dual metal conductor composed of an inner aluminum core and outer copper cladding, is not as conductive as copper.			
Signature 		Date 2/28/22	

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Administrative Rule to Change 24.1-06-01-10		Section/Paragraph (8)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted 24.1-06-03-01(6) moved to: 24.1-06-01-10(8) <u>8. In any room of an existing building where the sheetrock or wall covering has been removed from all walls, the electrical wiring requirements shall comply with the provisions of 2017 edition, National Electrical Code through December 31, 2020, and 2017 edition, National Electrical Code thereafter. the 2023 edition, National Electrical Code.</u>			
Statement of Problem and Substantiation for Proposal This paragraph was moved from 24.1-06-03-01(6).			
Signature 		Date 2/28/22	

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Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-01-10		Section/Paragraph (9)	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p><u>9. Where the occupancy of an existing building or part of an existing building is changed, the electrical wiring and equipment of the building or portion thereof that contains the proposed occupancy shall comply with the 2023 edition, National Electrical Code.</u></p>			
Statement of Problem and Substantiation for Proposal <p>To be consistent with International Existing Building Code (IEBC) Section 1007.</p>			
Signature 		Date 2/28/22	

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#10



PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS

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Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-01-10		Section/Paragraph (10)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted 7. 10. All new construction shall follow the energy efficient related requirements for design and construction of buildings in accordance with the locally adopted codes or the state building code.			
Statement of Problem and Substantiation for Proposal Moved and renumbered from paragraph 7 to paragraph 10.			
Signature 		Date 2/28/22	

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#11



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Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-01-40		Section/Paragraph (3)	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p>3. An approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages <u>in the following locations:</u></p> <p><u>(a) Outside each sleeping area in the immediate vicinity of the bedrooms.</u></p> <p><u>(b) On every habitable level.</u></p> <p><u>(c) In each bedroom within which a fuel-fired appliance is located within the bedroom or its attached bathroom.</u></p> <p><u>Where more than one carbon monoxide alarm is required to be installed within an individual dwelling unit, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual dwelling unit.</u></p>			
Statement of Problem and Substantiation for Proposal <p>To ensure continuity with the North Dakota State Building Code, IRC 315.3 and NFPA 101 Life Safety Code</p>			
Signature 		Date 2/28/22	

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#12




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City Bismarck	State North Dakota	ZIP Code 58507
Home Phone Number N/A	Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable		
Administrative Rule to Change 24.1-06-01-40	Section/Paragraph (4)	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text		
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <u>4. Rooms and areas within dwelling units, basements and attached garages in which an energy storage system is installed shall be protected by smoke alarms. The smoke alarm shall receive power from the premise wiring and be interconnected to any existing smoke alarm system. A heat detector listed and interconnected shall be installed where a smoke alarm cannot based on their listing.</u>		
Statement of Problem and Substantiation for Proposal To be consistent with International Residential Code (IRC) Section R328.7.		
Signature 	Date 2/28/22	

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Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-01-40		Section/Paragraph	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p>A table in the appendix is offered as a condensed guide is included in the appendix, and for convenience. For further information consult the locally adopted codes or the State Building Code and state fire codes.</p>			
Statement of Problem and Substantiation for Proposal <p>Fire alarm table does not exist – only a condensed guide.</p>			
Signature 		Date 2/28/22	

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Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-02-10		Section/Paragraph (10)	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted			
10. Exception: 2017 <u>2023</u> edition, National Electrical Code through December 31, 2020 , and 2020 edition, National Electrical Code thereafter , article 210.12(A)(B): AFCI protection is not required for the following: <ol style="list-style-type: none"> a. Refrigeration appliances if a single receptacle on a dedicated circuit is installed; b. Furnaces used for main heating source. 			
Statement of Problem and Substantiation for Proposal			
Corrected article section of the NEC.			
Signature 		Date 2/28/22	

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Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <u>11. Exception: 2023 edition, National Electrical Code, article 210.8(A): GFCI protection shall not be required for refrigeration appliances in dwelling units if a single receptacle on an individual branch circuit is installed.</u>			
Statement of Problem and Substantiation for Proposal Concern over GFCI nuisance tripping resulting in spoiled stored food.			
Signature 		Date 2/28/22	

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- The North Dakota State Electrical Board will hold a public administrative hearing on the accepted proposed changes. Time and place to be announced at a later date.

Date 2/28/22	Legislative Year 2023	
Name (First, Last) North Dakota State Electrical Board	Address P.O. Box 7335	
City Bismarck	State North Dakota	ZIP Code 58507
Home Phone Number N/A	Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable		
Administrative Rule to Change 24.1-06-02-10	Section/Paragraph (12)	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text		
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p><u>12. Exception: 2023 edition, National Electrical Code, article 210.52(C)(2), Island and Peninsular Countertops and Work Surfaces: Receptacle outlets shall be permitted to be located not more than twelve inches below the countertop or work surface. Receptacles installed below a countertop or work surface shall not be located where the countertop or work surface extends more than six inches beyond its support base.</u></p>		
Statement of Problem and Substantiation for Proposal <p>Mounting receptacles in the countertop will be the only way to have a code compliant install. This will no longer allow a receptacle outlet below the countertop on islands, peninsulas, and work surfaces. This would be a nuisance for homeowners who wish to have an island receptacle installed.</p>		
Signature 	Date 2/28/22	

Submit completed proposal to:

North Dakota State Electrical Board
PO Box 7335
Bismarck, ND 58507

Phone: 701-328-9522
Fax: 701-328-9524
Email address: electric@nd.gov
Website: www.ndseb.com

#17



PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS
NORTH DAKOTA STATE ELECTRICAL BOARD
SFN 61917 (12-2020)

- Type or print legibly.
- Use a separate copy for each proposal.
- Limit each proposal to a SINGLE section.
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Date 2/28/22		Legislative Year 2023	
Name (First, Last) North Dakota State Electrical Board		Address P.O. Box 7335	
City Bismarck		State North Dakota	ZIP Code 58507
Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-02-15		Section/Paragraph	
Proposal Recommends - Check One <input checked="" type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted <p style="text-align: center;">CHAPTER 24.1-06-02 WIRING AND PROTECTION</p> Section 24.1-06-02-10 (NEC 210) Branch Circuits 24.1-06-02-15 (NEC 215) Feeders 24.1-06-02-30 (NEC 230) Services 24.1-06-02-40 (NEC 240) Overcurrent Protection 24.1-06-02-50 (NEC 250) Grounding and Bonding <u>24.1-06-02-15. (NEC 215) Feeders.</u> <u>Surge protection for feeders is not required in the following occupancies:</u> 1. <u>Dwelling units.</u> 2. <u>Dormitory units.</u> 3. <u>Guest rooms and guest suites of hotels and motels.</u> 4. <u>Areas of nursing homes and limited care facilities used exclusively as patient care sleeping rooms.</u>			
Statement of Problem and Substantiation for Proposal Surge protection devices should be an optional component to protect personal electronic equipment from surges. This requirement may also have a substantial fiscal impact for multi-family dwelling units, motels, hotels, nursing homes as they would be required for each feeder.			
Signature 		Date 2/28/22	


#18



PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS

NORTH DAKOTA STATE ELECTRICAL BOARD
SFN 61917 (12-2020)

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City Bismarck	State North Dakota	ZIP Code 58507
Home Phone Number N/A	Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable		
Administrative Rule to Change 24.1-06-02-30	Section/Paragraph (2)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text		
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted		
2. Outside switch location. The equipment may not be mounted lower than two feet (.6096 meter) above grade level unless listed for such purpose. If installed outside, the service or services must be installed on the structure or within ten feet of the structure.		
Statement of Problem and Substantiation for Proposal		
This new wordage in the 2023 NEC clarifies the location making the current language not needed.		
Signature 	Date 2/28/22	

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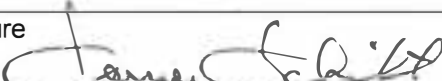
#19



PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS

NORTH DAKOTA STATE ELECTRICAL BOARD
SFN 61917 (12-2020)

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City Bismarck		State North Dakota	ZIP Code 58507
Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-02-30		Section/Paragraph (6)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input type="checkbox"/> Revised Text <input checked="" type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted 6. 230.67 surge protections for dwelling unit services is not required.			
Statement of Problem and Substantiation for Proposal Not applicable as it is a safety issue and should be installed.			
Signature 		Date 2/28/22	

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#20



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SFN 61917 (12-2020)

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City Bismarck		State North Dakota	ZIP Code 58507
Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-02-40		Section/Paragraph (2)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted 2. Switchboards and panelboards may not be located in bathrooms, clothes closets, stairways, or crawl spaces.			
Statement of Problem and Substantiation for Proposal This is to remove redundant language in the 2023 NEC and keep crawl spaces as a prohibited space to install switchboards and panelboards.			
Signature 		Date 2/28/22	

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#21



PROPOSED CHANGES TO THE ADMINISTRATIVE RULES OF THE NORTH DAKOTA WIRING STANDARDS

NORTH DAKOTA STATE ELECTRICAL BOARD
SFN 61917 (12-2020)

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Name (First, Last) North Dakota State Electrical Board		Address P.O. Box 7335	
City Bismarck		State North Dakota	ZIP Code 58507
Home Phone Number N/A		Work Phone Number (701) 328-9522	
Please Indicate Organization Represented – If Applicable			
Administrative Rule to Change 24.1-06-03-01		Section/Paragraph (7)	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text			
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted			
<p><u>7.6.</u> Metal raceways or metal clad cable (type MC) rated for the environment shall be installed in the following occupancies:</p> <p>a. Hospitals;</p> <p>b. Nursing homes;</p> <p>c. Related patient care areas; <u>and</u></p> <p>d. Places of assembly; <u>and</u></p> <p>e. Dormitories designed to house more than sixteen people.</p> <p>Exception 2: Listed two-hour fire-rated cables as permitted in article 695.6, article 700.9D, and article 760, 2017 edition, National Electrical Code through December 31, 2020, and article 695.6, article 700.9D, and article 760, 2020 edition, National Electrical Code thereafter <u>2023 edition, National Electrical Code.</u></p>			
Statement of Problem and Substantiation for Proposal			
Renumbered, updated articles and deleted dormitory requirement.			
Signature 		Date 2/28/22	

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#22



**PROPOSED CHANGES TO THE ADMINISTRATIVE RULES
OF THE NORTH DAKOTA WIRING STANDARDS**
NORTH DAKOTA STATE ELECTRICAL BOARD
SFN61917 (12-2020)

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Please Indicate Organization Represented – If Applicable		
Administrative Rule to Change 24.1-06-04-22	Section/Paragraph	
Proposal Recommends - Check One <input type="checkbox"/> New Text <input checked="" type="checkbox"/> Revised Text <input type="checkbox"/> Deleted Text		
Proposal - Include Proposed New Wording or Identification of Wording to be Deleted		
Section 24.1-06-04-22 (NEC 422) Appliances 24.1-06-04-22. (NEC 422) Appliances. Exception: 2017 edition, National Electrical Code, article 422.16 through December 31, 2020, and 2020 edition, National Electrical Code, article 422.16 thereafter. If manufacturer instructions allow the use of not more than six feet of flexible appliance cord, it shall be permitted on permanently installed one hundred twenty-volt twenty amp or less fuel-fired furnaces in residential dwellings. The receptacle for this appliance shall be GFCI protected, or a single receptacle, with a lockable in-use cover, and the cord shall meet all requirements of NEC 422.16.		
Statement of Problem and Substantiation for Proposal		
Allows the use of cord connections for furnaces.		
Signature 	Date 2/28/22	

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