

GENERAL ASSEMBLY OF NORTH CAROLINA  
SESSION 2009

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HOUSE BILL 1409  
PROPOSED COMMITTEE SUBSTITUTE H1409-PCS30363-RO-31

Short Title: Building Code Exclusion/Certain Wiring.

(Public)

Sponsors:

Referred to:

April 13, 2009

A BILL TO BE ENTITLED

AN ACT TO EXEMPT CERTAIN SIMPLE WIRING ACTIVITIES AND APPLIANCE REPLACEMENT IN RESIDENCES FROM BUILDING PERMITTING REQUIREMENTS WHEN THE APPLIANCE IS OF THE SAME ELECTRICAL RATING AND REQUIRES NO CHANGE TO EXISTING ELECTRICAL CIRCUITS AND THE WORK IS PERFORMED BY A LICENSED ELECTRICIAN.

The General Assembly of North Carolina enacts:

**SECTION 1.** G.S. 143-138(b) reads as rewritten:

"(b) Contents of the Code. – The North Carolina State Building Code, as adopted by the Building Code Council, may include reasonable and suitable classifications of buildings and structures, both as to use and occupancy; general building restrictions as to location, height, and floor areas; rules for the lighting and ventilation of buildings and structures; requirements concerning means of egress from buildings and structures; requirements concerning means of ingress in buildings and structures; rules governing construction and precautions to be taken during construction; rules as to permissible materials, loads, and stresses; rules governing chimneys, heating appliances, elevators, and other facilities connected with the buildings and structures; rules governing plumbing, heating, air conditioning for the purpose of comfort cooling by the lowering of temperature, and electrical systems; and such other reasonable rules pertaining to the construction of buildings and structures and the installation of particular facilities therein as may be found reasonably necessary for the protection of the occupants of the building or structure, its neighbors, and members of the public at large.

In addition, the Code may regulate activities and conditions in buildings, structures, and premises that pose dangers of fire, explosion, or related hazards. Such fire prevention code provisions shall be considered the minimum standards necessary to preserve and protect public health and safety, subject to approval by the Council of more stringent provisions proposed by a municipality or county as provided in G.S. 143-138(e). These provisions may include regulations requiring the installation of either battery-operated or electrical smoke detectors in every dwelling unit used as rental property, regardless of the date of construction of the rental property. For dwelling units used as rental property constructed prior to 1975, smoke detectors shall have an Underwriters' Laboratories, Inc., listing or other equivalent national testing laboratory approval, and shall be installed in accordance with either the standard of the National Fire Protection Association or the minimum protection designated in the manufacturer's instructions, which the property owner shall retain or provide as proof of compliance.



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1 The Code may contain provisions requiring the installation of either battery-operated or  
2 electrical carbon monoxide detectors in every dwelling unit having a fossil-fuel burning heater  
3 or appliance, fireplace, or an attached garage. Carbon monoxide detectors shall be those listed  
4 by a nationally recognized testing laboratory that is OSHA-approved to test and certify to  
5 American National Standards Institute/Underwriters Laboratories Standards ANSI/UL2034 or  
6 ANSI/UL2075 and shall be installed in accordance with either the standard of the National Fire  
7 Protection Association or the minimum protection designated in the manufacturer's  
8 instructions, which the property owner shall retain or provide as proof of compliance. A carbon  
9 monoxide detector may be combined with smoke detectors if the combined detector does both  
10 of the following: (i) complies with ANSI/UL2034 or ANSI/UL2075 for carbon monoxide  
11 alarms and ANSI/UL217 for smoke detectors; and (ii) emits an alarm in a manner that clearly  
12 differentiates between detecting the presence of carbon monoxide and the presence of smoke.

13 The Code may contain provisions regulating every type of building or structure, wherever it  
14 might be situated in the State.

15 Provided further, that building rules do not apply to (i) farm buildings that are located  
16 outside the building-rules jurisdiction of any municipality, or (ii) farm buildings that are located  
17 inside the building-rules jurisdiction of any municipality if the farm buildings are greenhouses.  
18 A "greenhouse" is a structure that has a glass or plastic roof, has one or more glass or plastic  
19 walls, has an area over ninety-five percent (95%) of which is used to grow or cultivate plants, is  
20 built in accordance with the National Greenhouse Manufacturers Association Structural Design  
21 manual, and is not used for retail sales. Additional provisions addressing distinct life safety  
22 hazards shall be approved by the local building-rules jurisdiction.

23 Provided further, that no building permit shall be required under the Code or any local  
24 variance thereof approved under subsection (e) for any construction, installation, repair,  
25 replacement, or alteration costing five thousand dollars (\$5,000) or less in any single family  
26 residence or farm building unless the work involves: the addition, repair, or replacement of load  
27 bearing structures; the addition (excluding replacement of same size and capacity) or change in  
28 the design of plumbing; the addition, replacement or change in the design of heating, air  
29 conditioning, or electrical wiring, devices, fixtures (excluding repair or replacement of same  
30 capacity), appliances (excluding replacements with the same electrical rating), or equipment  
31 (excluding replacements with like wiring and electrical rating), the use of materials not  
32 permitted by the North Carolina Uniform Residential Building Code; or the addition (excluding  
33 replacement of like grade of fire resistance) of roofing. The exclusions from building permit  
34 requirements set forth in this paragraph for electrical wiring, devices, fixtures, appliances, and  
35 equipment shall apply only to work performed on a one- or two-family dwelling by a person  
36 licensed under G.S. 87-43.

37 Provided further, that no building permit shall be required under such Code from any State  
38 agency for the construction of any building or structure, the total cost of which is less than  
39 twenty thousand dollars (\$20,000), except public or institutional buildings.

40 For the information of users thereof, the Code shall include as appendices [the following:]

- 41 (1) Any rules governing boilers adopted by the Board of Boiler and Pressure  
42 Vessels Rules,
- 43 (2) Any rules relating to the safe operation of elevators adopted by the  
44 Commissioner of Labor, and
- 45 (3) Any rules relating to sanitation adopted by the Commission for Public  
46 Health which the Building Code Council believes pertinent.

47 In addition, the Code may include references to such other rules of special types, such as  
48 those of the Medical Care Commission and the Department of Public Instruction as may be  
49 useful to persons using the Code. No rule issued by any agency other than the Building Code  
50 Council shall be construed as a part of the Code, nor supersede that Code, it being intended that  
51 they be presented with the Code for information only.

1 Nothing in this Article shall extend to or be construed as being applicable to the regulation  
2 of the design, construction, location, installation, or operation of (1) equipment for storing,  
3 handling, transporting, and utilizing liquefied petroleum gases for fuel purposes or anhydrous  
4 ammonia or other liquid fertilizers, except for liquefied petroleum gas from the outlet of the  
5 first stage pressure regulator to and including each liquefied petroleum gas utilization device  
6 within a building or structure covered by the Code, or (2) equipment or facilities, other than  
7 buildings, of a public utility, as defined in G.S. 62-3, or an electric or telephone membership  
8 corporation, including without limitation poles, towers, and other structures supporting electric  
9 or communication lines.

10 Nothing in this Article shall extend to or be construed as being applicable to the regulation  
11 of the design, construction, location, installation, or operation of industrial machinery.  
12 However, if during the building code inspection process, an electrical inspector has any  
13 concerns about the electrical safety of a piece of industrial machinery, the electrical inspector  
14 may refer that concern to the Occupational Safety and Health Division in the North Carolina  
15 Department of Labor but shall not withhold the certificate of occupancy nor mandate  
16 third-party testing of the industrial machinery based solely on this concern. For the purposes of  
17 this paragraph, "industrial machinery" means equipment and machinery used in a system of  
18 operations for the explicit purpose of producing a product. The term does not include  
19 equipment that is permanently attached to or a component part of a building and related to  
20 general building services such as ventilation, heating and cooling, plumbing, fire suppression or  
21 prevention, and general electrical transmission.

22 In addition, the Code may contain rules concerning minimum efficiency requirements for  
23 replacement water heaters, which shall consider reasonable availability from manufacturers to  
24 meet installation space requirements and may contain rules concerning energy efficiency that  
25 require all hot water plumbing pipes that are larger than one-fourth of an inch to be insulated.

26 No State, county, or local building code or regulation shall prohibit the use of special  
27 locking mechanisms for seclusion rooms in the public schools approved under  
28 G.S. 115C-391.1(e)(1)e., provided that the special locking mechanism shall be constructed so  
29 that it will engage only when a key, knob, handle, button, or other similar device is being held  
30 in position by a person, and provided further that, if the mechanism is electrically or  
31 electronically controlled, it automatically disengages when the building's fire alarm is activated.  
32 Upon release of the locking mechanism by a supervising adult, the door must be able to be  
33 opened readily."

34 **SECTION 2.** G.S. 153A-357(a) reads as rewritten:

35 "(a) No person may commence or proceed with any of the following without first  
36 securing from the inspection department with jurisdiction over the site of the work each permit  
37 required by the State Building Code and any other State or local law or local ordinance or  
38 regulation applicable to the work:

- 39 (1) The construction, reconstruction, alteration, repair, movement to another  
40 site, removal, or demolition of any ~~building;~~building.
- 41 (2) The installation, extension, or general repair of any plumbing ~~system;~~system.
- 42 (3) The installation, extension, alteration, or general repair of any heating or  
43 cooling equipment ~~system;~~ or system.
- 44 (4) The installation, extension, alteration, or general repair of any electrical  
45 wiring, devices, appliances, or equipment except that in any one- or  
46 two-family dwelling unit a permit shall not be required for repair or  
47 replacement of electrical fixtures or devices or for the connection of an  
48 existing branch circuit to an electrical appliance that is being replaced,  
49 provided that all of the following requirements are met:
  - 50 a. With respect to appliances, the replacement appliance is placed in the  
51 same location and is of the same electrical rating as the original.

- 1           b.     With respect to electrical fixtures and devices, the replacement is  
2                 with a fixture or device having the same voltage and amperage.  
3           c.     The work is performed by a person licensed under G.S. 87-43.  
4           d.     The original installation met the version of the State Building Code  
5                 in effect at the time of installation.

6 ~~without first securing from the inspection department with jurisdiction over the site of the work~~  
7 ~~each permit required by the State Building Code and any other State or local law or local~~  
8 ~~ordinance or regulation applicable to the work.~~ A permit shall be in writing and shall contain a  
9 provision that the work done shall comply with the State Building Code and all other applicable  
10 State and local laws and local ordinances and regulations. Nothing in this section shall require a  
11 county to review and approve residential building plans submitted to the county pursuant to  
12 Section R-110 of Volume VII of the North Carolina State Building Code; provided that the  
13 county may review and approve such residential building plans as it deems necessary. No  
14 permit may be issued unless the plans and specifications are identified by the name and address  
15 of the author thereof; and if the General Statutes of North Carolina require that plans for certain  
16 types of work be prepared only by a registered architect or registered engineer, no permit may  
17 be issued unless the plans and specifications bear the North Carolina seal of a registered  
18 architect or of a registered engineer. If a provision of the General Statutes of North Carolina or  
19 of any ordinance requires that work be done by a licensed specialty contractor of any kind, no  
20 permit for the work may be issued unless the work is to be performed by such a duly licensed  
21 contractor. No permit issued under Articles 9 or 9C of G.S. Chapter 143 shall be required for  
22 any construction, installation, repair, replacement, or alteration costing five thousand dollars  
23 (\$5,000) or less in any single-family residence or farm building unless the work involves: the  
24 addition, repair or replacement of load bearing structures; the addition (excluding replacement  
25 of same size and capacity) or change in the design of plumbing; the addition, replacement or  
26 change in the design of heating, air conditioning, or electrical wiring, devices, appliances, or  
27 equipment; the use of materials not permitted by the North Carolina Uniform Residential  
28 Building Code; or the addition (excluding replacement of like grade of fire resistance) of  
29 roofing. Violation of this section constitutes a Class 1 misdemeanor."

30           **SECTION 3.** G.S. 160A-417(a) reads as rewritten:

31           "(a) No person shall commence or proceed ~~with~~ with any of the following without first  
32 securing from the inspection department with jurisdiction over the site of the work any and all  
33 permits required by the State Building Code and any other State or local laws applicable to the  
34 work:

- 35           (1) The construction, reconstruction, alteration, repair, movement to another  
36 site, removal, or demolition of any building or ~~structure, structure.~~  
37           (2) The installation, extension, or general repair of any plumbing ~~system,~~  
38 system.  
39           (3) The installation, extension, alteration, or general repair of any heating or  
40 cooling equipment ~~system, or system.~~  
41           (4) The installation, extension, alteration, or general repair of any electrical  
42 wiring, devices, appliances, or equipment, except that in any one- or  
43 two-family dwelling unit, a permit shall not be required for repair or  
44 replacement of electrical fixtures or devices or for the connection of an  
45 existing branch circuit to an electrical appliance that is being replaced,  
46 provided that all of the following requirements are met:  
47           a.     With respect to appliances, the replacement appliance is placed in the  
48                 same location and is of the same electrical rating as the original.  
49           b.     With respect to electrical fixtures and devices, the replacement is  
50                 with a fixture or device having the same voltage and amperage.  
51           c.     The work is performed by a person licensed under G.S. 87-43.

1                   d.     The original installation met the version of the State Building Code  
2                         in effect at the time of installation.  
3 ~~without first securing from the inspection department with jurisdiction over the site of the work~~  
4 ~~any and all permits required by the State Building Code and any other State or local laws~~  
5 ~~applicable to the work.~~ A permit shall be in writing and shall contain a provision that the work  
6 done shall comply with the State Building Code and all other applicable State and local laws.  
7 Nothing in this section shall require a city to review and approve residential building plans  
8 submitted to the city pursuant to Section R-110 of Volume VII of the North Carolina State  
9 Building Code; provided that the city may review and approve such residential building plans  
10 as it deems necessary. No permits shall be issued unless the plans and specifications are  
11 identified by the name and address of the author thereof, and if the General Statutes of North  
12 Carolina require that plans for certain types of work be prepared only by a registered architect  
13 or registered engineer, no permit shall be issued unless the plans and specifications bear the  
14 North Carolina seal of a registered architect or of a registered engineer. When any provision of  
15 the General Statutes of North Carolina or of any ordinance requires that work be done by a  
16 licensed specialty contractor of any kind, no permit for the work shall be issued unless the work  
17 is to be performed by such a duly licensed contractor. No permit issued under Articles 9 or 9C  
18 of Chapter 143 shall be required for any construction, installation, repair, replacement, or  
19 alteration costing five thousand dollars (\$5,000) or less in any single family residence or farm  
20 building unless the work involves: the addition, repair or replacement of load bearing  
21 structures; the addition (excluding replacement of same size and capacity) or change in the  
22 design of plumbing; the addition, replacement or change in the design of heating, air  
23 conditioning, or electrical wiring, devices, appliances, or equipment; the use of materials not  
24 permitted by the North Carolina Uniform Residential Building Code; or the addition (excluding  
25 replacement of like grade of fire resistance) of roofing. Violation of this section shall constitute  
26 a Class 1 misdemeanor."

27                   **SECTION 4.** This act becomes effective October 1, 2009.