

## **TITLE 675 FIRE PREVENTION AND BUILDING SAFETY COMMISSION**

### **Final Rule**

LSA Document #XX-XXX

### **DIGEST**

Adds 675 IAC 17-1.9, which adopts by reference and amends the 2023 National Electrical Code as the Indiana Electrical Code, 2026 Edition . Repeals 675 IAC 17-1.8. Effective 30 days after filing with the Publisher.

### **675 IAC 17-1.8, 675 IAC 17-1.9**

SECTION 1. 675 IAC 17-1.9 IS ADDED TO READ AS FOLLOWS:

#### **Rule 1.9. Indiana Electrical Code, 2026 Edition**

##### **675 IAC 17-1.9-1 Adoption by reference**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 1. That certain document, being titled as National Electrical Code, 2023 Edition, first printing, published by the National Fire Protection Association, One Batterymarch Park, Quincy, Massachusetts 02169-7471, is hereby incorporated by reference and made a part of the rule, except those portions as are amended and adopted in sections 3 through 56 of this rule.**

##### **675 IAC 17-1.9-2 Title; availability**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 2. (a) This rule shall be known as the Indiana Electrical Code, 2026 Edition, and shall be published, except for incorporated documents, by the department of homeland security, legal and code services, for general distribution and use under the title. Whenever the term “this code” is used within this rule, including incorporated documents, it shall mean the 2026 Indiana Electrical Code.**

**(b) This rule, with the incorporated National Electrical Code, 2023 Edition, is available for review and reference at the Department of Homeland Security, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204.**

##### **675 IAC 17-1.9-3 Section 90.2; use and application**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 3. Section 90.2 is amended to read as follows: (a) Section (C) Installations Covered is amended as follows:**

**(1) Insert after “cables” and before “for” the following: within or on Class 1 or Class 2 structures, including industrialized building systems, and other premises wiring covered by rules of the Commission in this title.**

**(2) Insert after (6) and before (D) Installations Not Covered, the following: (7) Class 1 and Class 2 structures covered by the Indiana Residential Code shall be made to comply with the provisions of this code in its entirety, or the electrical provisions of the Indiana Residential Code in its entirety (675 IAC 14).**

**(b) Section (D) Installations Not covered is amended as follows:**

**(1) Delete (5) in its entirety and insert to read as follows: (5) Installations, including associated lighting under the exclusive control of electric utilities for the purpose of communication, or metering; or for the generation, control, transformation, transmission, energy storage, and distribution of electric energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors on private property by established rights such as easements.**

**(2) Insert, after (5), (6) to read as follows: (6) Installations of electrical wiring, equipment, and devices, factory installed in manufactured homes under the authority of the U.S. Department of Housing and Urban Development (HUD).**

**675 IAC 17-1.9-4 Section 90.4; enforcement**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 4. Section 90.4 is deleted in its entirety and inserted to read as follows: Enforcement of this code, variance application and procedures, and the consideration of alternative methods or materials are covered by provisions of the Indiana Code and 675 IAC 12.**

**675 IAC 17-1.9-5 Section 90.8; wiring planning**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 5. Section 90.8 is deleted in its entirety and without substitution.**

**675 IAC 17-1.9-6 Article 100; definitions**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 10-19-2](#); [IC 22-12](#); [IC 22-13-2-7](#); [IC 22-13-2-11](#); [IC 22-14](#); [IC 22-15-2-7](#); [IC 36-7-2-9](#); [IC 36-8-17-8](#)

**Sec. 6. Amend Article 100 Definitions as follows:**

**(1) Delete the text in the definition of APPROVED and insert to read as follows: APPROVED. Acceptance by the AUTHORITY HAVING JURISDICTION by one of the following methods:**

- (1) investigation or tests conducted by recognized authorities; or**
- (2) investigation or tests conducted by technical or scientific organizations; or**
- (3) accepted principles.**

**The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.**

**(2) Delete the text in the definition of AUTHORITY HAVING JURISDICTION and insert to read as follows: Authority Having Jurisdiction means the Indiana Department of Homeland Security, the local building official as authorized under [IC 36-7-2](#), or the local fire department as authorized under [IC 36-8-17](#).**

**Informational Note: The AHJ in the NEC is equivalent to CODE OFFICIAL under 675 IAC 13 and 675 IAC 22.**

**(3) Add the definition of BATTERY, UTILITY SCALE to read as follows: See Indiana Code [22-14-8-3](#).**

**(4) In the definition of DWELLING UNIT, insert after “sleeping” and before “cooking”, the following: eating.**

**(5) Delete the text in the definition of LABELED and insert to read as follows: Equipment, materials or products to which has been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of the above-labeled items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose.**

**(6) Delete the text in the definition of LISTED and insert to read as follows: Equipment, materials, products or services that is concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards or has been tested and found suitable for a specified purpose.**

**(7) Delete the text in the definition of POOL and insert to read as follows: Pool. Manufactured or field-constructed equipment designed to contain water on a permanent or semipermanent basis and used by persons for swimming, wading, immersion, or therapeutic purposes, but not including bodies of water incorporated as part of an industrial process or lakes, lagoons, surf parks, or other natural and man-made bodies of water that may incorporate swimming and swimming area.**

Add an informational note to the definition of POOL to read as follows:  
**Informational Note:** Natural and man-made bodies of water, which includes lakes, lagoons, surf parks, or other similar bodies of water, are addressed in Article 682.

(8) Delete the text of SPECIAL PERMISSION and insert to read as follows: A variance granted pursuant to [IC 22-13-2](#).

675 IAC 17-1.9-7 Section 110.15; high-leg marking

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 7. Section 110.15 is amended by adding an informational note that reads as follows: **Informational Note:** Some electric utilities require specific colors or marking inside metering equipment and at the service termination.

675 IAC 17-1.9-8 Section 110.26(A)(1)(b); depth of working space

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 8. Section 110.26(A)(1)(b) is amended by deleting “By special permission” and inserting to read as follows: When approved

675 IAC 17-1.9-9 Section 210.8 (A); dwelling units

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 9. In Section 210.8 (A):

(1) Amend line (6) Kitchens to read as follows: (6) Kitchens – where receptacles are installed within 1.8m (6 ft) of the top inside edge of the bowl of a sink, water faucet, or water source.

(2) Amend line (11) Laundry areas to read as follows: (11) Laundry areas – where receptacles are installed within 1.8m (6 ft) of the top inside edge of the bowl of a sink, water faucet, or water source.

675 IAC 17-1.9-10 Section 210.8 (A)(5); dwelling units

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 10. In Section 210.8 (A)(5) delete line (5) basements and insert to read as follows: (5) Unfinished basements

675 IAC 17-1.9-11 Section 210.8(F); outdoor outlets

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 11. In Section 210.8 (F) delete the last line of Exception No. 2 in its entirety without substitution.**

**675 IAC 17-1.9-12 Section 210.11 (C); dwelling units**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 12. In Section 210.11 (C):**

**(1) In sub-paragraph (3), in the last line of the Exception, delete “(A)(2)” and insert “(B)(2)”.**

**(2) In sub-paragraph (4), in the last line of Exception No. 2, delete “(A)(1) and (A)(2)” and insert “(B)(1) and (B)(2)”.**

**675 IAC 17-1.9-13 Section 210.12(E); branch circuit wiring extensions, modifications, or replacements**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 13. Delete Section 210.12 (E) in its entirety without substitution.**

**675 IAC 17-1.9-14 Section 210.52(G)(1); garages**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 14. Delete the text in the Exception and insert to read as follows: Garage spaces not attached to an individual dwelling unit of a multifamily dwelling through a dedicated intersecting door shall not require a receptacle outlet in each vehicle bay.**

**675 IAC 17-1.9-15 Section 210.52 (I); foyers**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 15. Delete the text of 210.52 (I) and insert to read as follows: Foyers that are not part of a hallway in accordance with 210.52 (H) and that have an area that is greater than 9.3m<sup>2</sup> (100 ft<sup>2</sup>) shall have a receptacle(s) located in each wall space that is 1.2 m (4 ft) or more in width. The 1.2 m (4 ft) measurement shall be measured in a straight line. Doorways, door-side windows that extend to the floor, and similar openings shall not be considered as wall space.**

**675 IAC 17-1.9-16 Section 215.18 (A) Surge-protection device**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 16. Section 215.18 (A) is amended as follows:**

- (1) Delete item 1, ‘Dwelling units’ in its entirety without substitution.**
- (2) Delete item 2, ‘Dormitory units’ and insert to read as follows: (1) Dormitory units.**
- (3) Delete item 3, ‘Guest rooms and guest suites of hotels and motels’ and insert to read as follows: (2) Guest room and guest suites of hotels and motels.**
- (4) Delete item 4, ‘Area of nursing homes and limited-care facilities used exclusively as patient sleeping rooms’ and insert to read as follows: (3) Area of nursing homes and limited-care facilities used exclusively as patient sleeping rooms.**

**675 IAC 17-1.9-17 Section 215.18 (D); replacement**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 17. Delete Section 215.18 (D) in its entirety without substitution.**

**675 IAC 17-1.9-18 Section 225.30(C); special occupancies**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 18. Section 225.30 (C) is amended by deleting “By special permission” and inserting to read as follows: Where approved**

**675 IAC 17-1.9-19 Section 225.41; emergency disconnects**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 19. Delete Section 225.41 in its entirety without substitution.**

**675 IAC 17-1.9-20 Section 225.42 (D); replacement**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 20. Delete Section 225.42 (D) in its entirety without substitution.**

**675 IAC 17-1.9-21 Section 230.2; number of services**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 21. Amend Section 230.2 as follows:**

(1) Section (B) is amended by deleting “By special permission” and inserting to read as follows: When approved

(2) Section (C)(3) is amended by deleting “By special permission” and inserting to read as follows: When approved

**675 IAC 17-1.9-22 Section 230.67 (D); replacement**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 22 Delete Section 230.67 (D) in its entirety without substitution.**

**675 IAC 17-1.9-23 Section 230.85; emergency disconnects**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 23. Delete Section 230.85 in its entirety without substitution.**

**675 IAC 17-1.9-24 Section 240.85; applications**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 24. Section 240.85 is amended by adding a new sentence to the end of the second paragraph that reads as follows: A circuit breaker marked 120/240 volts shall not be permitted to be used on a delta-connected 240-volt three-phase circuit.**

**675 IAC 17-1.9-25 Section 250.24; grounded conductor brought to service equipment**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 25. In sub-paragraph (D), in the last line, delete “250.24(C)(1)” without substitution.**

**675 IAC 17-1.9-26 Section 250.52(A)(5)(2); rod and pipe electrodes**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 26. Delete the text in Section 250.52 (A)(5)(2) and insert to read as follows: Rod-type grounding electrodes of stainless steel and copper or zinc-coated steel shall be at least 15.87 mm (5/8 in.) in diameter, unless listed and not less than 12.7 mm (1/2 in.) in diameter.**

**675 IAC 17-1.9-27 Section 250.90; bonding-general**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 27. Amend Section 250.90 by adding an Exception to read as follows:**

**Exception:** Small conductive surfaces not likely to become energized, such as short pieces of metallic piping to faucets, drain fittings, towel bars, mirror frames, and similar nonelectrical equipment, shall not be required to be bonded.

**675 IAC 17-1.9-28 Section 250.104(A)(1); general**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 28. Amend Section 250.104(A)(1) as follows:**

**(1) Insert an Exception to read as follows: Exception:** Small conductive surfaces not likely to become energized, such as short pieces of metallic piping to faucets, metallic fittings on nonmetallic piping, etc. shall not be required to be bonded.

**(2) Insert an Informational Note below the Exception to read as follows:**

**Informational Note:** Isolated sections of metal water piping (such as might be used for a plumbing fixture connection) that are connected to an overall nonmetallic water piping system are not subject to the requirements of 250.104(A). The isolated sections are not a metal water piping system.

**675 IAC 17-1.9-29; Section 250.110 equipment fastened in place (fixed) or connected by permanent wiring methods**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 29. Amend Section 250.110 by deleting “If exempted by special permission” in Exception No. 1 and inserting to read as follows: Where approved.**

**675 IAC 17-1.9-30 Section 250.114; equipment connected by cord and plug**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 30. Amend Section 250.114 by deleting “exempted by special permission” in Exception No. 2 to (2) and inserting to read as follows: where approved**

**675 IAC 17-1.9-31 Section 250.122(D)(2); instantaneous-trip circuit breaker and motor short-circuit protector**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)



**Sec. 31. Amend Section 250.122 (D)(2) by deleting “430.52 (C)(1), Exception No. 1” and inserting “430.52 (C)(1)(a)”.**

**675 IAC 17-1.9-32 Section 300.3; conductors**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 32. Add Section 300.3 (D) titled “Separation from Corrugated Stainless Steel Tubing” and insert text to read as follows: All wiring methods shall be isolated from corrugated stainless steel tubing by a space separation of not less than 2 inches except where the bonding connections is made.**

**675 IAC 17-1.9-33 Section 314.16 (B)(2); clamp fill**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 33. Amend Section 314.16 (B)(2) by deleting the last line of the paragraph and inserting to read as follows: No allowance shall be required for a cable connector with its clamping mechanism outside the box or for clamps that are an integral part of a nonmetallic box that do not protrude more than 1/8 inch into the box.**

**675 IAC 17-1.9-34 Section 372.20; size of conductors**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 34. Amend Section 372.20 by deleting “by special permission” and inserting to read as follows: Where approved.**

**675 IAC 17-1.9-35 Section 374.20; size of conductors**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 35. Amend Section 374.20 by deleting “by special permission” and inserting to read as follows: where approved.**

**675 IAC 17-1.9-36 Section 394.10(1); uses permitted**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 36. Amend Section 394.10 as follows:**

**(1) Delete “(1) For extensions of existing installations” in its entirety without substitution.**

(2) Amend “(2)” by deleting “(2)” and inserting “(1)”

(3) Add an Informational Note to read as follows: **Informational Note: Knob-and-tube wiring can be dangerous because of the installation of insulation around the conductors. Concealed knob-and-tube wiring is designed for use in hollow spaces of walls, ceilings, and attics and utilizes the free air in such spaces for heat dissipation.**

675 IAC 17-1.9-37 Section 395.30(C)(3); insulators

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 37. Amend Section 395.30 (C)(3) by deleting “490.24(a)” and inserting “495.24”.

675 IAC 17-1.9-38 Section 422.5 (A); general

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 38. Amend Section 422.5 (A) as follows:

(1) Insert “ No. 1” after the Informational Note.

(2) Insert a second Informational Note to read as follows: **Informational Note No. 2: Class A GFCI receptacles with integral, audible alarms located in readily accessible areas can alert the occupant of a fault condition and prevent damage from appliance inoperability.**

675 IAC 17-1.9-39 Section 430.22 (E); other than continuous duty

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 39. Amend Section 430.22 (E) by deleting “the authority having jurisdiction grants special permission for” and inserting to read as follows: **special permission is granted for.**

675 IAC 17-1.9-40 Section 430.111 (B)(3); oil switch

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 40. Amend Section 430.111 (B)(3) by deleting “by special permission” and inserting to read as follows: **when approved.**

675 IAC 17-1.9-41 Section 500.8 (E); threading

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 41. Amend Section 500.8 (E) by inserting a sentence at the end of the paragraph to read as follows: Non-tapered “all thread” conduit shall not be used in any location where at least five threads fully engaged are required.”

675 IAC 17-1.9-42 Section 501.15 (D); cable seals, class I, division 1

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 42. Amend Section 501.15 (D) by deleting “501.15 (D)(2) through (D)(3)” and inserting “501.15 (D)(1) through (D)(3).”

675 IAC 17-1.9-43 Section 505.9 (E); threading

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 43. Amend 505.9 (E) by inserting a sentence at the end of the paragraph to read as follows: Non-tapered “all thread” conduit shall not be used in any location where at least five threads fully engaged are required.”

675 IAC 17-1.9-44 Section 513.7 (F); mobile stanchions

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 44. Amend Section 513.7 (F) by deleting “FT” in the second warning label and inserting “METERS”.

675 IAC 17-1.9-45 Section 513.10 (B); aircraft battery charging and equipment

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 45. Amend Section 513.10 (B) by deleting the third warning label in its entirety without substitution.

675 IAC 17-1.9-46 Section 517.71 (C); over 1,000-volt supply

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 46. Amend Section 517.71 (C) by deleting “490” and inserting “495.”

675 IAC 17-1.9-47 Section 550.18 (B)(3); total load for determining power supply

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 47. Amend Section 550.18 (B), sub-paragraph (3), by deleting “Table 550.18 (B)” and inserting “550.18 (B)(2).”**

**675 IAC 17-1.9-48 Section 600.1; scope**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 48. Amend Section 600.1 by adding, after “voltage” in the first sentence, the following: for electric signs and outline lighting as defined in Article 100 of this code that are within or connected to Class 1 or Class 2 buildings or structures.**

**675 IAC 17-1.9-49 Section 600.3; listing**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 49. Amend Section 600.3 by deleting “by special permission” without substitution.**

**675 IAC 17-1.9-50 Section 680.26 (A); performance**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 50. Amend Section 680.26 (A) as follows:**

**(1) Add an informational note at the end of sub-paragraph (A) to read as follows: Informational Note No. 1: Some causes of voltage gradients originate outside the premises wiring system and are not within the scope of the *NEC*. Measures identified in Rule 097D2 of ANSI C2, *National Electrical Safety Code* can also serve to address voltage gradients originating on the utility side of the service point.**

**(2) Add a second informational note below Informational Note No. 1 to read as follows: Informational Note No. 2: By its nature, equipotential bonding of swimming pools and perimeter surfaces involves contact between various metallic materials and the earth. This can, in some cases, expose various specific metals to a corrosive environment, depending on factors such as the type and chemical content of the soil and the specific metal. Corrosive environments are also addressed in 680.14.**

**675 IAC 17-1.9-51 Section 680.26 (B)(2); conductive pool shells**

**Authority:** [IC 22-13-2-2](#); [IC 22-13-2-13](#)

**Affected:** [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 51. Amend Section 680.26 (B)(2) as follows:**

**(1) Delete the text in the first paragraph and insert to read as follows: The perimeter surface to be bonded shall be considered to extend for 900 mm (3 ft) horizontally beyond the inside walls of the pool while also at a height between 900 mm (3 ft) above and 600 mm**

(2 ft) below the maximum water level. The perimeter surface shall include unpaved surfaces, concrete, and other types of paving. Perimeter surfaces separated from the pool by a permanent wall or building 1.5 m (5 ft) in height or more shall require equipotential bonding only on the pool side of the permanent wall or building. Bonding to perimeter surfaces shall be provide as specified in 680.26(B)(2)(a), (B)(2)(b), (B)(2)(c), and (B)(2)(d). For conductive pool shells where bonding to perimeter surfaces is required, it shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four points uniformly spaced around the perimeter of the pool, or if the bonded perimeter surface does not surround the entire pool, it shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four uniformly spaced points along the bonded perimeter surface. For nonconductive pool shells where bonding to the perimeter surfaces is required, bonding at four points shall not be required, and the perimeter bonding shall be attached to the 8 AWG copper equipotential bonding conductor and, if present, to any conductive support structure for the pool.

(2) Add an informational note after the first paragraph and before sub-paragraph (a) that reads as follows: Because the perimeter surface can incorporate various types of materials at various locations and elevations above and below maximum water level, the perimeter surface required to be bonded might not surround the entire pool. The 8 AWG copper equipotential bonding conductor can encircle the entire pool to facilitate connection of bonded parts.

(3) Delete the title and text in sub-paragraph (a) and insert to read as follows: *Conductive Paved Portions of Perimeter Surfaces.* Conductive paved portions of perimeter surfaces, including masonry pavers, if used, shall be bonded with unencapsulated structural reinforcing steel in accordance with 680.26 (B)(1)(a), or with unencapsulated steel structural welded wire reinforcement (welded wire mesh, welded wire fabric), bonded together by steel tie wires or the equivalent. Steel welded wire reinforcement shall be fully embedded within the pavement unless the pavement will not allow for embedding. If the reinforcing steel is absent, or is encapsulated in a nonconductive compound, or embedding is not possible, unencapsulated welded wire steel reinforcement or a copper conductor grid shall be provided and shall be secured directly under the paving, and not more than 150 mm (6 in.) below unfinished grade.

Unencapsulated steel welded wire reinforcement that is not fully embedded in concrete, and copper grid regardless of location, where used for equipotential bonding, shall be listed for corrosion resistance and mechanical performance. This listing requirement shall become effective January 1, 2025. The copper grid or unencapsulated steel welded wire reinforcement shall also meet the following:

(1) Copper grid is constructed if 8 AWG solid bare copper and arranged in accordance with 680.26 (B)(1)(b)(3).

(2) Steel welded wire reinforcement is minimum ASTM 6x6-W2.0 x W2.0 or minimum No. 3 rebar constructed in a 300 mm (12 in.) grid.

(3) Copper grid and steel welded wire reinforcement follow the contour of the perimeter surface extending not less than 900 mm (3 ft) horizontally beyond the inside walls of the pool.

(4) Only listed splicing devices or exothermic welding are used.

**Informational Note No. 1:** Performance of the equipotential bonding system at the perimeter surface is improved as the distance between the bonding means and finished grade is minimized, either by embedding within, or by direct contact with the underside of, the finished pavement.

**Informational Note No. 2:** See ASTM A615/A615M, *Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement*; A1064/A1064M *Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete*; A1022/A1022M *Standard Specification for Deformed and Plain Stainless Steel Wire and Welded Wire for Concrete Reinforcement*; A1060A/A1060M *Standard Specification for Zinc-Coated (Galvanized) Steel Welded Wire Reinforcement, Plain and Deformed, for Concrete*; and ACI Standard ACI 318, *Building Code Requirements for Structural Concrete*, for examples of standards currently used in the listing of reinforcing steel bars and steel welded wire reinforcement.

(4) Delete the title and text of sub-paragraph (b) and insert to read as follows: *Unpaved Portions of Perimeter Surfaces*. Unpaved portions of perimeter surfaces shall be bonded with any of the following methods:

(1) Copper conductor(s) shall meet the following:

(a) At least one minimum 8 AWG bare solid copper conductor, including the 8 AWG copper equipotential bonding conductors if available.

(b) The conductors follow the contour of the perimeter surface.

(c) Only listed splicing devices or exothermic welding are used.

(d) The conductor(s) is 450 mm to 600 mm (18 in. to 24 in.) from the inside walls of the pool.

(e) The conductor(s) is under the unpaved portion of the perimeter surface 100 mm to 150 mm (4 in. to 6 in.) below finished grade.

(f) Be installed only in perimeter surfaces not intended to have direct access to swimmers in the pool.

(2) Copper grid or unencapsulated steel welded wire reinforcement used for equipotential bonding of unpaved portions of perimeter surfaces shall meeting the following:

(a) Be installed in accordance with 680.26 (B)(2)(a).

(b) Be located within unpaved surface(s) between 100 mm to 150 mm \*4 in. to 6 in.) below finished grade.

(5) Delete the title and text of sub-paragraph (c) and insert to read as follows: *Nonconductive Perimeter Surfaces*. Equipotential bonding shall not be required for nonconductive portions of perimeter surfaces that are separated from earth or raised on nonconducting supports, and it shall not be required for any perimeter surface that is

electrically separated from the pool structure and raised on nonconductive supports above an equipotentially bonded surface.

**Informational Note:** Nonconductive materials include, but are not limited to, wood, plastic, wood-plastic composites, fiberglass, and fiberglass composites.

(6) Add sub-paragraph (d) to read as follows: *Interconnection of Bonded Portions of Perimeter Surfaces.* All surfaces where equipotential bonding is required shall be interconnected using listed splicing devices or exothermic welding. Where copper wire is used for this purpose, it shall be solid copper, not smaller than 8 AWG. The conductor shall be permitted to encircle the pool to facilitate bonding connections to portions of the perimeter covered in 680.26 (B)(2)(a) and (B)(2)(b) that are not contiguous.

675 IAC 17-1.9-52 Section 695.4 (B)(3); disconnecting means

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 52. Amend Section 695.4 (B)(3), sub-paragraph (e)(3), by deleting “(f)” and inserting “(4)”.

675 IAC 17-1.9-53 Section 701.12 (I); battery-equipped emergency luminaires, used for legally required standby systems

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 53. Amend Section 701.12 (I) by deleting “701.12 (H)” and inserting “700.12 (H)”.

675 IAC 17-1.9-54 Section 702.4 (A)(2); automatic load connection

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 54. Amend Section 702.4 (A)(2) by deleting “(B)(2)(b)” and inserting to read as follows: (A)(2)(b).

675 IAC 17-1.9-55 Section 706.1 (C); scope

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

Sec. 55. Amend Section 706.1 as follows:

(1) Before “Scope” insert as follows: (A)

(2) After subsection (9) insert a new paragraph to read as follows: (B) Regulation of Utility Battery Energy Storage Systems. See Indiana Code 22-14-8.

**675 IAC 17-1.9-56 Informative Annex C; Conduit, tubing, and cable tray fill tables for conductors and fixture wires of the same size**

Authority: [IC 22-13-2-2](#); [IC 22-13-2-13](#)

Affected: [IC 22-12](#); [IC 22-13](#); [IC 22-14](#); [IC 22-15](#); [IC 36-7](#)

**Sec. 56. Amend Informative Annex C by updating the “Conduit, Tubing, and Cable Tray Fill Tables for Conductors and Fixture Wires of the Same Size” table as follows:**

Table	Page
<b>C.1 – electrical Metallic Tubing (EMT)</b>	<b>730 744</b>
<b>C.1(A)* - Electrical Metallic Tubing (EMT)</b>	<b>734 777</b>
<b>C.2 – Electrical Nonmetallic Tubing (ENT)</b>	<b>736 778</b>
<b>C.2(A)* - Electrical Nonmetallic Tubing (ENT)</b>	<b>740 781</b>
<b>C.3 – Flexible Metal Conduit (FMC)</b>	<b>742 782</b>
<b>C.3(A)* - Flexible Metal Conduit (FMC)</b>	<b>746 785</b>
<b>C.4 – Intermediate Metal Conduit (IMC)</b>	<b>748 786</b>
<b>C.4(A)* - Intermediate Metal Conduit (IMC)</b>	<b>752 789</b>
<b>C.5 – Liquidtight Flexible Nonmetallic Conduit (LFNC-A)</b>	<b>754 790</b>
<b>C.5(A)* - Liquidtight Flexible Nonmetallic Conduit (LFNC-A)</b>	<b>758 793</b>
<b>C.6 – Liquidtight Flexible Nonmetallic Conduit (LFNC-B)</b>	<b>760 794</b>
<b>C.6(A)* - Liquidtight Flexible Nonmetallic Conduit (LFNC-B)</b>	<b>764-797</b>
<b>C.7 – Liquidtight Flexible Nonmetallic Conduit (LFNC-C)</b>	<b>766 798</b>
<b>C.7(A) – Liquidtight Flexible Nonmetallic Conduit (LFNC-C)</b>	<b>770 802</b>
<b>C.8 – Liquidtight Flexible Metal Conduit (LFMC)</b>	<b>772 803</b>
<b>C.8(A)* - Liquidtight Flexible Metal Conduit (LFMC)</b>	<b>776 806</b>
<b>C.9 – Rigid Metal Conduit (RMC)</b>	<b>778 807</b>
<b>C.9(A)* - Rigid Metal Conduit (RMC)</b>	<b>782 810</b>
<b>C.10 – Rigid PVC, Conduit Schedule 80</b>	<b>784 811</b>
<b>C.10(A)* - Rigid PVC, Conduit Schedule 80</b>	<b>788 814</b>
<b>C.11 – Rigid PVC Conduit, Schedule 40 and HDPE Conduit</b>	<b>790 815</b>
<b>C.11(A)* - Rigid PVC Conduit, Schedule 40 and HDPE Conduit</b>	<b>794 818</b>
<b>C.12 – Type A, Rigid PVC Conduit</b>	<b>796 819</b>



<b>C.12(A)* - Type A, Rigid PVC Conduit</b>	<b><del>800</del> 822</b>
<b>C.13 – Type EB, PVC Conduit</b>	<b><del>802</del> 823</b>
<b>C.13(A)* - Type EB, PVC Conduit</b>	<b><del>806</del> 826</b>
<b>C.14 – Type MC Cables Permitted in Cable Tray</b>	<b><del>808</del> 827</b>
<b>C.15 – Type MC Cables Permitted in Cable Tray</b>	<b><del>809</del> 828</b>
<b>C.16 – Type TC Cables Permitted in Cable Tray</b>	<b><del>810</del> 829</b>
<b>C.17 – Type TC Cables Permitted in Cable Tray</b>	<b><del>811</del> 830</b>
<b>C.18 – Single Conductor Cables Permitted in Cable Tray</b>	<b><del>812</del> 831</b>
<b>C.19 – Single Conductor Cables Permitted in Cable Tray</b>	<b><del>813</del> 832</b>
<b>C.20 – Single Conductor Cables Permitted in Cable Tray</b>	<b><del>814</del> 833</b>

SECTION 2. 675 IAC 17-1.8 IS REPEALED.