



# IDAHO ASSOCIATION OF BUILDING OFFICIALS

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**Significant changes to New Temporary Rules signed in by the Governor EFFECTIVE IMMEDIATELY. The State of Idaho will be observing a SOFT IMPLEMENTATION until July 1, 2024.**

## Title 54 Chapter 10 – RULES OF ELECTRICAL SAFETY (ELECTRICAL CODE RULES)

This rule implements the following statutes passed by the Idaho Legislature:

Professions, Vocations, and Businesses –

- Title 54, Chapter 10, Idaho Code – Electrical Contractors and Journeymen:
- 54-1006, Idaho Code – Idaho Electrical Board

### **100. LICENSURE AND REGISTRATION.**

#### **ADDED**

.05 - Continuing Education. Or independent study was an added option to obtain 8 hours of the required 24 hours of continuing education.

### **200. PRACTICE STANDARDS.**

#### **ADDED**

.03 - Supervision: Residential electrician was added throughout the document as an added licensure category that now exists.

### **600. IDAHO ELECTRICAL CODE**

#### **UPDATE**

**600.01 – Documents.** 2023 Idaho Electrical Code, the 2023 National Electrical Code as amended.

- 110.3(A)&(B): Product listing exceptions for submersible well pumps.
- 210.8(A): Delete reference to 250-volt receptacles requiring GFCI protection.
- (and d.) 210.8(A)(7) & (8): Delete article requiring GFCI protection for receptacles near sinks in food preparation areas. Replace article with 6 feet from the outside edge of a sink.
- 210.8(A)(11): Delete laundry area GFCI protection requirement.
- (and g.) 210.8(B)&(B)(7): Delete GFCI protection requirement for laundry areas, sink areas, and buffet serving areas in other than dwelling units. GFCI protection will include 6 feet from the outside edge of sinks in other than dwelling units.
- (and s.) 210.8(D)(1): Automotive vacuum machines only require GFCI protection when receptacle is installed within 6 feet of a conductive vacuum machine.
- 210.8(D): Delete GFCI protection for items listed as 4, 5, 7, 8, 9, 10, 11, and 12.



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- j. 210.8(F): Delete items in list as 1 and 2, requiring only boathouses to have GFCI protection in outdoor locations.
- k. 210.12(B): AFCI protection requirements shall apply in full except in one- and two-family dwelling units. AFCI protection shall only apply in bedrooms.
- l. 210.52(E)(3): Delete and replace with: Balconies, decks, and porches having 20 square feet or more that are accessible from the dwelling unit shall have one receptacle within the perimeter of the balcony, deck, or porch. Receptacle must be installed not more than 6 and a half feet above the floor.
- m. 230.67: **Surge Protection**. Delete article.
- n. 230.85: **Services**. Deleted article requiring emergency disconnects on single and two-family dwellings.
- o. 314.27(C): Delete article that requires vertical surface outlet 50-pound rated boxes.
- p. 334.10(3): Specifies NM-B (aka trade name Romex) cabling is allowed and considered concealed in attics and crawl spaces that are not designed to be occupied space.
- q. 334.15(C): Allows crawl space wiring to be secured and run at angles with joist if the height is 4.5 feet or less. Cables within 7 feet of the access must comply with 320.23.
- r. **Pole Lighting**. Poles used for lighting roadways (not Parking areas) that are 40 feet or less in height and have no more than 4 luminaires at 300 volts or less are not considered structures. Therefore, a disconnecting means can be mounted to the pole or located elsewhere. If the pole is in excess of 40 feet, higher than 300 volts to ground, or not for roadway lighting, it will be considered a structure and will be required to meet the requirements of a structure.
- t. 422.5(A): Delete GFCI protection for tire inflating machines, vending machines, and dishwashers.
- u. 480.7(B): **Battery Emergency Disconnect**. Delete requirement for emergency disconnects on single and two-family dwellings stationary standby batteries.
- v. 675.8(B): **Electrically driven Irrigation Machines**. Disconnecting means must be provided at the point of service from the utility no matter where the disconnecting means for the machine is located.
- w. 682.10: **Natural and Artificially Made Bodies of Water**. Submersible well pumps are exempt from listing requirements that specify the pump to be for the intended location. These are typically the well pumps that serve lake front properties that receive water from the lake in place of a typical well.
- x. 682.11: **Natural and Artificially Made Bodies of Water**. Location of Electrical Distribution Equipment. Added exception for service equipment that is located on or at a dwelling unit that is not susceptible to flooding.
- y. 682.13: **Natural and Artificially Made Bodies of Water**. Added exceptions:
  - i. HDPE conduit
  - ii. HDPE covering of splices with heat shrink (.25 inches thick)
  - iii. Pipe, conduit, PVC well casing, or other unlisted tubing may be used as a chase and not a raceway to provide physical protection of conductors.



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- aa. 682.14: **Natural and Artificially Made Bodies of Water.** Added exception to allow a ballast as an acceptable method of anchoring the submersible well pump in swimming and marine areas.
- bb. 682.14(A): **Natural and Artificially Made Bodies of Water.** Add exception for the installation of submersible well pump motor controller circuits and push buttons to act as the required disconnecting means. The circuit must be labeled as “Emergency Pump Stop” as the minimum.
- cc. 682.15: **Natural and Artificially Made Bodies of Water.** Added exceptions to article for submersible pumps and their motor leads that are 60A maximum, 250V maximum, to have GFCI or GFPE protection (30MA maximum trip level). The code states 150V to ground and 60A maximum. This raises the limit to 250V. Exception #2 states the repair or replacement of submersible pumps rated over 60A, and any voltage must be evaluated by a qualified designer or experienced licensed electrical contractor.
  
- z. 690.12: **Rapid Shutdown.** Add exceptions.
  - i. Detached structures that are built to only house the PV roof mounted system shall not be required to have rapid shutdown of the equipment. The code text was put in place to provide additional safety for firefighters and these changes could affect this depending on the application.
  - ii. PV system circuits installed in or on buildings without utility power shall not be required to comply with 690.12 if the building is more than 1000 feet from a utility power line and is located more than 100 feet from any other building or structure on adjacent properties. A lockable disconnect is required on the outside of the building in a readily accessible location. Labeling requirements are also listed in the text and shall meet 110.21(B).
  
- aa. 690.12(A): **Rapid Shutdown.** Added language to the exception that states “or inside nearest point of entrance” shall be considered controlled conductors for the purpose of this section. This will allow for the PV system circuits originating within or from arrays to enter the building and terminate inside the building.

### 700.01 UPDATE

- a. 706.5: **Energy Storage Systems.** Energy storage systems shall be listed. Added language allows for lead-acid batteries to not be required to be listed.
- b. 706.15(B): **Energy Storage Systems.** Off grid systems. Added exception that a disconnecting means or a remote control for an off-grid system for single and two-family dwellings are only required to be located in a readily accessible location and not specifically within the energy storage system or within 10 feet of the energy storage system.

*This memo is intended solely for informational purposes only. While efforts have been made to highlight significant changes, no guarantee is made regarding completeness. Please contact your local Building Official or Electrical Inspector for further information.*