BROWARD COUNTY
BOARD OF RULES AND APPEALS

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— Established 1971—

December 12, 2023

RE: Florida Building Code - 8th Edition (2023)

The following amendments to the Florida Building Code were passed by the Broward County Board of Rules and Appeals in its regular session on October 12th, 2023.

The amendments are effective on December 31st, 2023.

FBC 8th Edition (2023) – Building

- Section 454.1.4.1 Electrical
- Section 454.2.16.1 Maximum voltage
- Section 454.2.16 Electrical
- Section 454.2.16.1 Maximum Voltage

Attached, you will find each section with the amended text detailed and the required question and answer form as required to propose a local amendment to the Florida Building Code.

Sincerely,

Ruth Boselli
Administrative Specialist

2023 Florida Building Code, Building, 8th Edition

- ~~Stricken through text~~ are deletions from the Florida Building Code, Building, 8th Edition.
- Underscored text are additions to Florida Building Code, Building, 8th Edition.

Section 454.1.4 Electrical Systems

Section 454.1.4.1 Electrical

Electrical equipment wiring and installation, including the bonding and grounding of pool components, shall comply with Chapter 27 of the Florida Building Code, Building. Outlets supplying pool pump motors connected to single-phase 120-volt through 240-volt branch circuits, whether by receptacle or by direct connection, and outlets supplying other electrical equipment ~~and underwater luminaires operating at voltages greater than the low voltage contact limit~~, connected to single-phase, 120-volt through 240-volt branch circuits, rated 15 or 20 amperes, whether by receptacle or by direct connection, shall be provided with ground-fault circuit interrupter protection for personnel.

Section 454.1.4.1.1 Maximum Voltage

The maximum voltage for each luminaire in any private swimming or bathing pool shall not exceed the Low Voltage Contact Limit, which is defined as a voltage not exceeding the following values:

(1) 15 volts (RMS) for sinusoidal alternating current.
(2) 21.2 volts peak for nonsinusoidal alternating current.
(3) 30 volts continuous, direct current.
(4) 12.4 volts peak for direct current that is interrupted at a rate of 10 to 200 Hertz. The maximum incandescent lamp size shall be 300 watts.

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Section 454.2.16 Electrical

Electrical equipment wiring and installation, including the bonding and grounding of pool components, shall comply with Chapter 27 of the Florida Building Code, Building. Outlets supplying pool pump motors connected to single-phase 120-volt through 240-volt branch circuits, whether by receptacle or by direct connection, and outlets supplying other electrical equipment ~~and underwater luminaires operating at voltages greater than the low voltage contact limit~~, connected to single-phase, 120-volt through 240-volt branch circuits, rated 15 or 20 amperes, whether by receptacle or by direct connection, shall be provided with ground-fault circuit interrupter protection for personnel.

Section 454.2.16.1 Maximum Voltage

The maximum voltage for each luminaire in any private swimming or bathing pool shall not exceed the Low Voltage Contact Limit, which is defined as a voltage not exceeding the following values:

(1) 15 volts (RMS) for sinusoidal alternating current.
(2) 21.2 volts peak for nonsinusoidal alternating current.
(3) 30 volts continuous, direct current.
(4) 12.4 volts peak for direct current that is interrupted at a rate of 10 to 200 Hertz. The maximum incandescent lamp size shall be 300 watts.