Welcome Iowa Electricians!

What Does Iowa Require?

18-Hours of Continuing Education Required

- The Iowa electrician must complete no less than 18 Continuing Education Units (CEUs) in each three-year license cycle.
- No less than 6 of those 18 CEUs must focus on the most recent lowa electrical code.
- JADE Learning's two-hour VILT sessions satisfy ALL of Iowa's requirements for electrical continuing education.
- 9 VILT sessions provides you all 18 hours.



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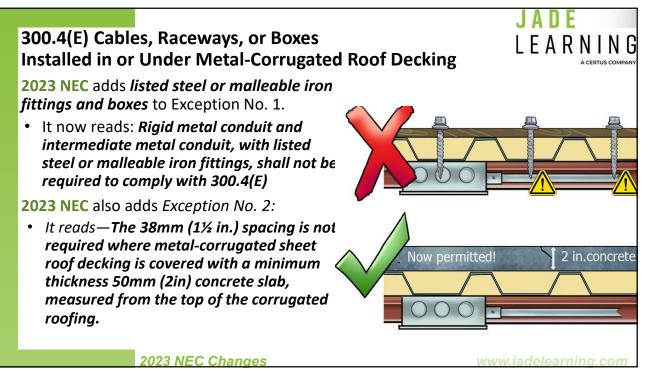
202	23 NEC Changes
Important C	Changes from the 2023 NEC
6:0	0 PM Eastern Time 5 PM in Iowa
5:45 PM – 6:00 PM Eastern	Registration / Check In
6:00 PM – 7:00 PM Eastern	NEC Chapter 3 with poll questions
7:00 PM – 7:10 PM Eastern	Break
7:10 PM – 8:00 PM Eastern	NEC Chapter 3 continued with poll questions

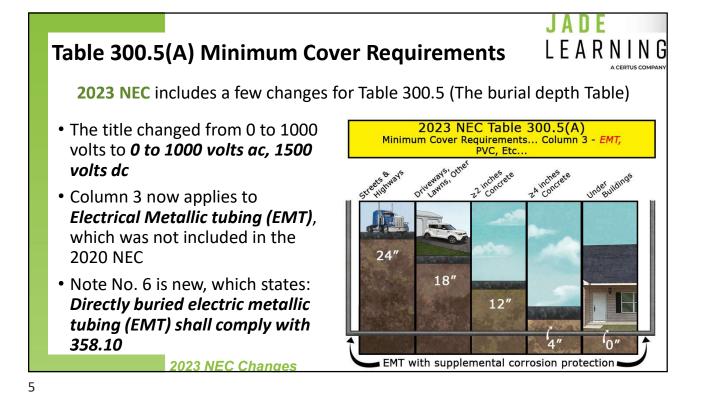
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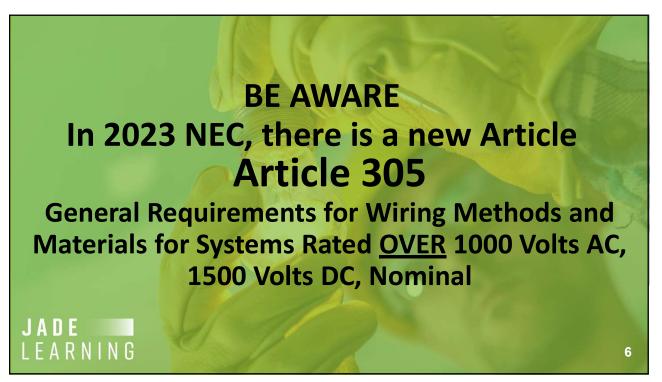
Article 300 General Requirements for Wiring Methods and Materials

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3







Article 310 Conductors for General Wiring

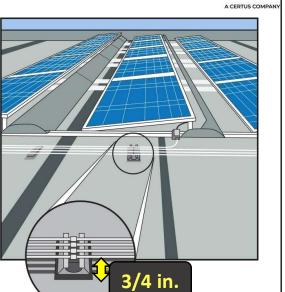
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310.15(B)(2) Rooftop

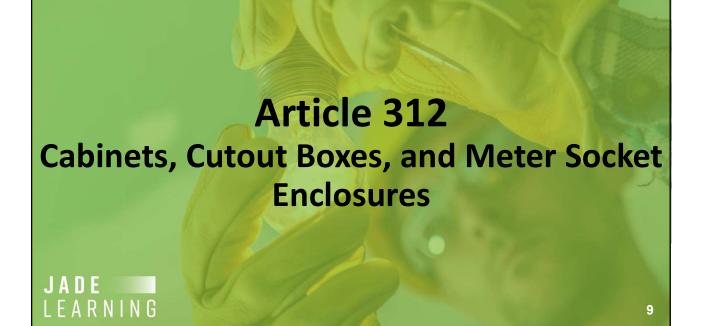
- Section 310.15(B)(2) is included in *Part III, Installation,* of Article 310.
- Ambient Temperature Correction Factors for Rooftops have CHANGED in 2023 NEC.
- In 2020 NEC, for raceways or cables exposed to direct sunlight, the required distance from the roof surface to the bottom of the raceway or cable was 7/8 in.
- In 2023 NEC, the required distance from the surface of the roof to the bottom of the raceway has changed to 3/4 in!

2023 NEC Changes



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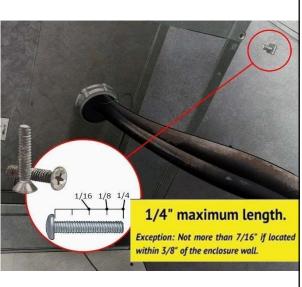
LEARNING



312.10 Screws or Other Fasteners

The 2023 NEC now gives the following three new requirements for screws or fasteners installed in the field (through boxes and enclosures and such) where they enter the wiring space.

- 1. Screws shall be machine type with blunt ends.
- 2. Other fasteners shall have blunt ends.
- 3. Screws or other fasteners shall extend into the enclosure no more than 6mm (1/4 in) unless the end is protected with an approved means. [or not more than 7/16 in if located within 3/8 in. of another enclosure wall (in the corner of a box).



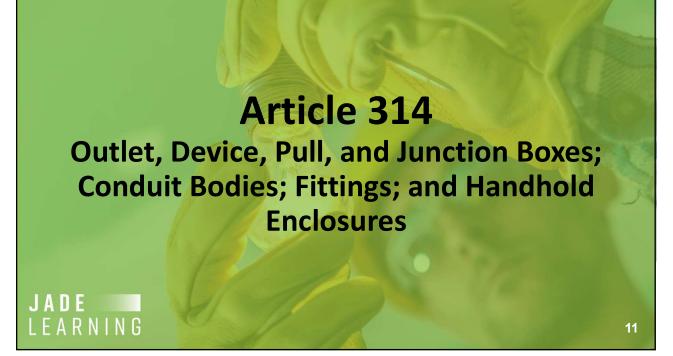
2023 NEC Changes

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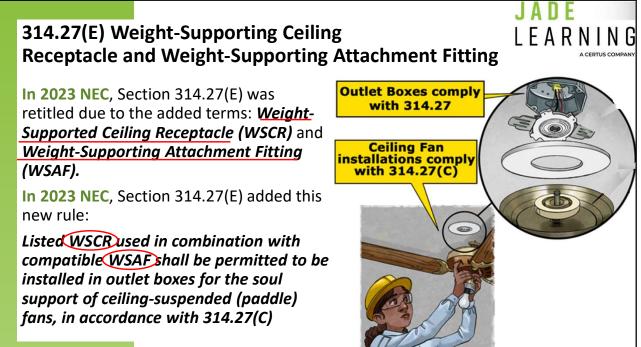
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2023 NEC Changes

314.29(B) Underground

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Regarding identifying buried electrical boxes, the *Exception* to Section 314.29(B) has changed!

In 2020 NEC, the *Exception* allowed for boxes in the ground to be covered over if their location was effectively identified and accessible.

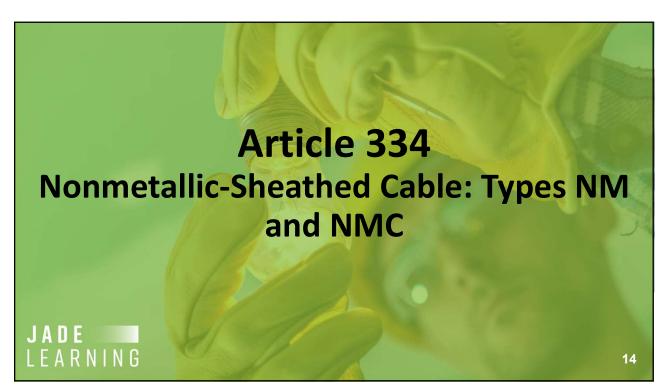
In 2023 NEC the *Exception* allows boxes in the ground to be covered over if their location is effectively described and accessible. That location description must be available to those authorized to access, maintain, or inspect the wiring.

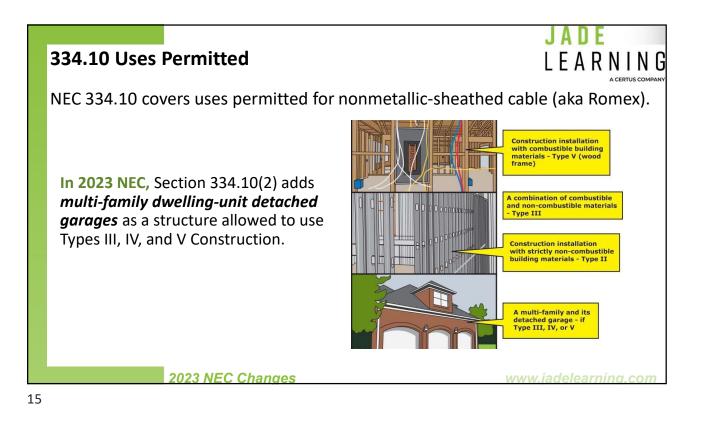
• The description can be in the form of a map and/or written description.

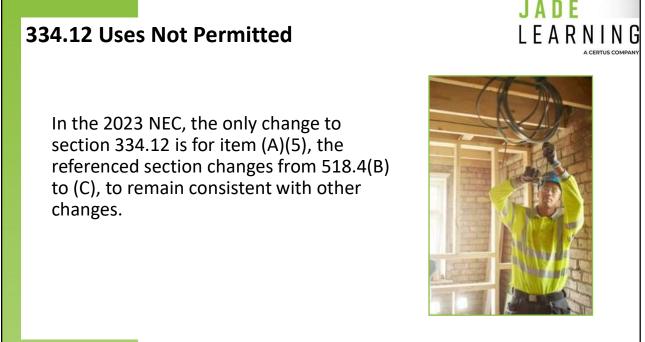
2023 NEC Changes

• This does not mean the method for covering the box has changed, it still allows for only gravel, light aggregate, or noncohesive granulated soil.









2023 NEC Changes

J A D E LEARNING 334.40(B) Boxes and Fittings NEC 334 addresses nonmetallic-sheathed cable (aka Romex). The 2023 NEC revises requirements for where Romex interconnectors can be Interconnector used. Concealed No longer does the installation need to be a part of repair wiring for the installer to use an interconnector to join two NM cables in a concealed space • They are now approved for use within a wall, floor, or ceiling In 2023 NEC, the only requirement for the use of an interconnector is that the interconnector is *listed for use without a* box. OK!

2023 NEC Changes

