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Wichita-Sedgwick County Metropolitan Area Building and Construction Department

Attention Contractors:

There are several important changes that we all need to be aware of with the adoption of the 2014 National Electrical Code (NEC) along with the Wichita-Sedgwick County Unified Building & Trade Code (UBTC).

There are over 1,700 changes, most of which are minor, in the 2014 NEC. I have listed below the changes that will affect the most people.

110.21 Field applied Hazard Markings and labels. This is just one of several sections that require labels on the electrical equipment. The labels shall be permanently affixed to the equipment and shall not be hand written. The labels shall be of sufficient durability to withstand the environment involved.

110.26 Personnel Doors. The requirement for when personnel doors are required for electrical equipment rooms has been lowered from 1200 amps to 800amps.

210.8(A)(9) Bathtubs or Shower Stalls. All 125-volt receptacles within 6 feet of the outside edge of a bathtub or shower stall shall be GFCI protected whether or not the bathtub or shower stall is installed in a bathroom.

210.8(A)(10) Laundry Areas. All 125-volt receptacles installed in a laundry room shall be GFCI protected.

210.8(D) Kitchen Dishwasher Branch Circuit. GFCI protection shall be installed on dishwashers installed in dwellings.

210.52(G)(1) Garages. All attached garages and detach garages with electric power shall have the receptacles on a dedicated 125-volt GFCI protected circuit. This branch circuit shall not feed outlets outside of the garage. There shall be one receptacle outlet installed in each car space.

406.4(D) AFCI and GFCI Receptacles. All AFCI and GFCI receptacles must be installed in readily accessible locations, even replacement AFCI and GFCI receptacles.

406.9(B)(1) All weatherproof receptacle covers shall be the in-use type (bubble type) and be identified "extra duty".

406.12 Tamper-Resistant Receptacles. There are now four exceptions for locations in which tamper-resistant receptacles do not need installed. 1. Located more than 5 ½ feet above the floor. 2. Receptacles that are part of a luminaire or appliance. 3. Receptacle for an appliance in a dedicated space that cannot be easily moved. 4. Non-grounding receptacles used as replacements as permitted in 406.4(D)(2)(a).

422.23 Tire Inflation and Vacuum Machines shall be GFCI protected.

451.10(A) Transformer Bonding. A separate grounding terminal bar must be installed, but not over vented portions of the enclosure.

517.18(B) Number of receptacles in general care patient bed locations has increased from four to eight.

517.19(B) Number of receptacles in critical care patient bed locations has increased from six to fourteen.

517.19(C) Number of receptacles in operating rooms has increased from six to thirty-six.

517.30(E) & 517.41(E) Receptacles installed on the emergency generator shall have an illuminated face or indicator light when energized.

590.4(J) Construction power limitations. Cables or cords used for branch circuits or feeders shall not be laying on the floor or ground. Extension cords excluded.

600.6(A)(1) Disconnect Required on Sign. The disconnecting means shall be located at the point the feeder or branch circuit supplying the sign enters the sign enclosure or supporting pole.

680.21(C) GFCI Protection for Single Phase Pool Pump Motors. All single-phase pool pump motors shall be GFCI protected.

Sec. 4.A.080 of the UBTC be amended the requirements to allow an electrical inspector for residential to not be a journeyman or master electrician, but to be residential combination inspector certified.

Sec. 4.1.020 of the UBTC be amended to match the State requirements to require a minimum of 930 classroom hours for schooling.

Sec. 4.1.110 of the UBTC be amended to specify when an electrical permit is required.

Sec. 4.2.010 of the UBTC be amended to adopt the 2014 National Electrical Code (NEC) with local amendments.

Sec. 4.2.055 of the UBTC be created so feeder and branch circuit disconnects are given the same allowances and conforming to the same requirements for service disconnects, which is 15 feet of cable allowed inside the building before the disconnect.

Sec. 4.2.070 be amended to allow for aluminum grounding conductors to be smaller than phase conductor installed in a cable assembly.

Sec. 4.2.175 of the UBTC be amended to add branch circuit extension and dormitory bedrooms for Arc Fault Circuit Interrupter (AFCI) protection, AFCI protection for single family dwellings or other dwellings is not changing.

Sec. 4.2.205 of the UBTC be created to allow for the use of Underground Residential Distribution (URD) cable for one- and two-family dwellings, with restrictions.

Sec. 4.2.240 of the UBTC is created for a January 2016 start date to allow sign companies time to meet the listing requirements of the Article 600 of the NEC.

This is not a complete list of all the changes, but highlights that will affect our industry.