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A Century of Progress with Pride

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Local Amendments for 2005 National Electric Code

SERVICE

230-2(b) Minimum-Size: All service conductors shall not be smaller than number three (#3) copper THW copper conductors and installed in a minimum of 1 1/4 inch rigid heavy-wall galvanized steel conduit. No aluminum conductors permitted.

230-2 (f) No residential occupancy or property shall have more than one (1) service installed. There shall be no exception made to this ruling without approval from the Building Director.

230-43 This article shall be amended to read: Wiring Methods for 600 volts, nominal, or less. Service entrance conductors shall be installed in accordance with the applicable requirements of this Code covering the type of wiring method used and limited to the following methods: (1) rigid metal conduit; (2) intermediate metal conduit; (2) bus ways.

NOTE: Load calculations shall be submitted and approved for five or more unit buildings and shall provide for expansion.

NOTE: Buildings with three to five units shall have a minimum of one 200-amp riser.

NOTE: A minimum space of 2 1/2 inches is required between all branch circuit panels. The cutting or modifying of panel covers is not permitted.

NOTE: All services require grounding to the street side of water meter and a grounding rod.

NOTE: Outside disconnects must be submitted and approved prior to installation.

WIRING METHODS

Article 331- Electrical Nonmetallic Tubing. This article shall be deleted in its entirety.

Article 333- Armored Cable (Greenfield): This may only be used as an extension to an existing system of a residence where it is impossible to use conduit. This method will not be used in a basement, except for a short piece to connect to a junction box.

Article 354 & 356- Nonmetallic ungrounded conduit with conductors type NUCC. This article shall be deleted in its entirety.

Article 362- ENT Electrical nonmetallic tubing. This article shall be deleted in its entirety.

Article 382- Nonmetallic extensions. This article shall be deleted in its entirety.

Article 362- Surface nonmetallic raceways. This article shall be deleted in its entirety.

MANUFACTURED WIRING SYSTEMS

Manufactured wiring systems may be permitted for use in commercial or industrial applications only per Article 604 with the following exceptions:

- (a) An insulated ground conductor shall be installed in each flexible conduit (raceway) and shall be green or green with yellow stripe in color.
- (b) Said flexible conduit shall be continuous from junction box to device (light fixture) only, and shall be without tape, splice, connection to another raceway, etc. Fixtures shall not be used as a plug connection.
- (c) All flexible conduit-wiring systems shall not have excessive loops or unnecessary lengths that create a non-workmanship installation. Flexible conduit shall be supported by an approved metal device at a maximum of four (4) foot apart and shall not be installed in such a way as to lay on, or be supported by, ceiling tile and or the ceiling support system.

OFFICE FURNISHINGS

605-2 The flexible conduit that is installed from the wall- or floor-mounted junction box containing the conductors to the electrified partition system shall be 1/2 inch liquid-tight with green ground conductor and not exceed six (6) feet in length.

605-2(a) All branch circuit conductors that are installed in typical office furniture systems shall be a minimum of number twelve (#12) gauge AWG, stranded, THHN.

605-2(c) There shall be no more than ten (10) power consuming devices connected to any branch circuit.

605-3 All branch circuit conductors shall not be less than number twelve (#12) gauge AWG copper, and the circuit breaker shall not exceed twenty (20) amps.

605-3(a) A green or green with yellow stripe in color ground conductor shall be installed from the electrical panel board to the office furniture system ground.

605-4 All equipment and materials shall be listed by a recognized electrical testing laboratory. This revision shall replace Articles 605 through 605-8(b) of the National Electrical Code.