

SEC. 103-162 - NATIONAL ELECTRICAL CODE ADOPTED

A booklet entitled 'National Electrical Code 2017 Edition' as amended and as hereafter may be amended, at least one (1) copy of which is on file in the office of the Building Official of the City of College Station, Texas, is hereby adopted and designated as the Electrical Code of College Station, Texas.

AMENDMENTS TO THE NATIONAL ELECTRICAL CODE

1. **Section 210.23 (A) 15- and 20- Ampere Branch Circuits.** Shall be amended to delete the reference to 15 ampere branch circuits. It shall also be amended to include the following sentence after said section:

"However, a circuit of twenty (20) amperes shall not serve more than ten openings."
2. **Table 210.24 Summary of Branch-Circuit Requirements** shall be amended by placing an asterisk next to all 14 AWG conductors indicated in the table and by adding this footnote at the bottom of the table:

" * special note: Except for fixture wires in UL or other listed fixtures, no conductor of a size smaller than 12 AWG solid copper is allowed in branch circuit wiring."
3. **Section 210.52 (B) Small Appliances** shall be amended by adding the following subsection:

"(4) **Separate Circuit Required.** A separate circuit is required for each refrigerator, deep freeze, dishwasher, disposal, trash compactor or any other load exceeding six (6) amperes."
4. **Section 210.52 (C) Countertops** shall be amended to include after the words '...with 210.52 (C) (1) through (C) (5). the following sentence:

"However, a separate circuit is required for microwave ovens or any other counter top appliance with a load exceeding six (6) amperes."
5. **Section 210.52 (F) Laundry Areas.** Shall be amended to include after the words '... for the installation of laundry equipment.' the following sentence:

"However, a separate circuit is required for a washing machine or any other laundry appliance with a load exceeding six (6) amperes."
6. **Section 210.52 Dwelling Unit Receptacle Outlets.** Shall be amended by adding the following subsection:

"(J) **Other Locations.** A separate circuit is required for each well pump or other outdoor loads exceeding six (6) amperes."
7. **Article 230 Services.** Shall be amended by adding the following section:

"230.11 **Meter Mounting Heights.** Individual meters shall be mounted at a height not greater than 5'-6" or less than 4'-6" above finished grade, measured to the center line of the meter base. Meter packs shall be mounted with its horizontal centerline not greater than 4'-6" or less than 4'-0" above finished grade."

"Exception: Meters and meter packs may be mounted at a different height by special permission of the Building Official or his designee when special conditions make the installation at the above heights impractical. "
8. **Section 230.70 General** shall be amended by adding the following subsection:

“(D) **Service Disconnecting Means for Commercial Buildings and Structures.** For commercial buildings and structures, the service disconnecting means shall be installed on the outside of the building or structure. A power operated disconnect switch (shunt trip) is permitted for service disconnects rated 1000 amps or more. All shunt trip disconnecting means shall be of the maintained contact type in an approved, lockable enclosure. All service disconnects shall be clearly marked in a permanent manner.

Exception: A power operated disconnect switch (shunt trip) may be allowed on service disconnects rated less than 1000 amps, if the applicant requests an exception from the Electrical Division and Building Official and satisfies the official that one of the following criteria has been met.

- (a) A power operated disconnect switch (shunt trip) may be used for a service disconnect rated less than 1000 amps when the building or structure is served by a single transformer and the transformer is not anticipated to be used for multiple services; or
- (b) A power operated disconnect switch (shunt trip) may be used for a service disconnect rated less than 1000 amps on an existing building or structure when space is not available to mount an external disconnect.

9. **Article 230 Services.** Shall be amended by adding the following section:

“230.70 (E) **Outside Disconnect Locking Device.** Factory installed key operated lock shall have an alternate locking mechanism approved by the local jurisdiction.”

10. **Section 230.71 (A) General** shall be amended to include the following sentence after said section:

“Any multi-tenant building larger than 5,000 square feet shall have a service disconnect.”

11. **Section 250.52 (A) (5) Rod and Pipe Electrodes** shall be amended by deleting the section in its entirety and replacing with the following:

“**Rod and Pipe Electrodes.** Rod and pipe electrodes shall not be less than eight (8) feet in length, not less than 5/8” in diameter and shall be copper coated.”

12. **Section 310.106 (B) Conductor Material** shall be amended by adding the following Exception:

“**Exception:** Aluminum and copper-clad aluminum is not allowed in branch circuits.”

13. **Section 320.12 Uses Not Permitted** shall be amended by deleting the section in its entirety and replacing with the following:

“**Uses Not Permitted.** Type AC cable shall not be permitted in commercial buildings as a wiring method.”

14. **Section 334.12 (A) Types NM, NMC, and NMS.** Shall be amended to include the following subsection:

“(11) In educational occupancies as defined by the City’s “adopted building code.”