CITY OF THE COLONY, TEXAS
2017 NATIONAL ELECTRICAL CODE LOCAL AMENDMENTS

Sec. 6-3. National Electrical Code Adopted.

(a) *Adoption.* The *National Electrical Code* with Appendices A through I, 2017 edition, is hereby adopted and designated as the Electrical Code for the City of The Colony, Texas. A copy of the 2017 edition of the *National Electrical Code* is on file in the office of the City Secretary.

(b) *Local Amendments.* The following provisions are local amendments to the 2017 *National Electrical Code*. Each provision is a substitute for the identically numbered provision contained in the 2017 *National Electrical Code* or is a provision added to the 2017 *National Electrical Code*.

Article 100; add the following to definitions:
Engineering Supervision. Supervision by a Qualified State of Texas Licensed Professional Engineer engaged primarily in the design or maintenance of electrical installations.

Article 505.7 (A) changed to read as follows:
505.7 Special Precaution.
Article 505 requires equipment construction and installation that ensures safe performance under conditions of proper use and maintenance.
Informational Note No. 1: It is important that inspection authorities and users exercise more than ordinary care with regard to the installation and maintenance of electrical equipment in hazardous (classified) locations.
Informational Note No. 2: Low ambient conditions require special consideration. Electrical equipment depending on the protection techniques described by 505.8(A) may not be suitable for use at temperatures lower than -20°C (-4°F) unless they are identified for use at lower temperatures. However, at low ambient temperatures, flammable concentrations of vapors may not exist in a location classified Class I, Zones 0, 1, or 2 at normal ambient temperature.
Implementation of Zone Classification System. Classification of areas, engineering and design, selection of equipment and wiring methods, installation, and inspection shall be performed by a qualified Registered Professional Engineer in the State of Texas.

Article 600.6(A) (1) At Point of Entry to a Sign; Exception 1 changed to read as follows:
Exception No.1: A disconnect shall not be required for branch circuits(s) or feeder conductor(s) passing through the sign where enclosed in a Chapter 3 listed raceway or metal-jacketed cable identified for the location. The conductor(s) shall not serve the sign body or sign enclosure where passing through.

Article 600.6(A) (1) At Point of Entry to a Sign; create a new Exception No. 2 to add the following language:
Exception No. 2: A disconnect shall not be required at the point of entry to a sign body, sign enclosure, or pole for branch circuit conductor(s). The conductors shall be enclosed in a Chapter 3 listed raceway or metal-jacketed cable identified for the location. The conductor(s) shall be

routed to a device box which contains the disconnect. A field-applied permanent warning label that is visible during servicing shall be applied to the raceway at or near the point of entry into the sign enclosure or sign body. The warning label shall comply with 110.21(B) and state the following: “Danger. This raceway contains energized conductors.” The marking shall include the location of the disconnecting means for the energized conductor(s). The disconnecting means shall be capable of being locked in the open position in accordance with 110.25.

Article 600.6(A) (1) At Point of Entry to a Sign; move the original Exception 2 to create a new Exception No. 3 and add the following language:
Exception No. 3: A disconnect shall not be required at the point of entry to a sign enclosure or sign body for branch circuit(s) or feeder conductor(s) that supply an internal panelboard(s) in a sign enclosure or sign body. The conductors shall be enclosed in a Chapter 3 listed raceway or metal-jacketed cable identified for the location. A field-applied permanent warning label that is visible during servicing shall be applied to the raceway at or near the point of entry into the sign enclosure or sign body. The warning label shall comply with 110.21(B) and state the following: “Danger. This raceway contains energized conductors.” The marking shall include the location of the disconnecting means for the energized conductor(s). The disconnecting means shall be capable of being locked in the open position in accordance with 110.25.
Informational Note: The location of the disconnect is intended to allow service or maintenance personnel complete and local control of the disconnecting means.

Article 680.25(A) remove the amendment that added the following language and exception:
680.25 Feeders.
These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

(A) Wiring Methods.

(1) Feeders. Feeders shall be installed in rigid metal conduit, intermediate metal conduit. The following wiring methods shall be permitted if not subject to physical damage:

(1) Liquidtight flexible nonmetallic conduit
(2) Rigid polyvinyl chloride conduit
(3) Reinforced thermosetting resin conduit
(4) Electrical metallic tubing where installed on or in a building
(5) Electrical nonmetallic tubing where installed within a building
(6) Type MC Cable where installed within a building and if not subject to corrosive environment