

ORDINANCE NO. 6832

**AN ORDINANCE GRANTING APPROVAL OF TEXT AMENDMENTS TO
TITLE 15, CHAPTER 150, SECTION 150.060 ET. SEQ.
OF THE LOMBARD VILLAGE CODE IN REGARD TO LOCAL AMENDMENTS TO
ELECTRICAL INSTALLATION RULES AND REGULATIONS**

WHEREAS, the Village of Lombard (the “Village”) has adopted a Code of Ordinances to regulate, among other things, the development of buildings and structures within the Corporate limits of the Village; and

WHEREAS, the Village has adopted regulations set forth within Title 15, Chapter 150, Section 150.060 et. seq. of the Village Code, that establishes rules and regulations for electrical installation; and

WHEREAS, the Village has determined that it is in the best interest of the community to periodically review the existing regulations and offer periodic changes to address issues pertaining to electrical code requirements.

BE IT ORDAINED by the President and Board of Trustees of the Village of Lombard, DuPage County, Illinois, as follows:

SECTION 1: That Title 15, Chapter 150, Section 150.062(E) of the Village Code is hereby amended to read as follows:

(E) Certificate of Insurance. Refer to Contractor Registration and Insurance Requirements §150.143. ~~Any person, firm or corporation desiring to engage in the business of an Electrical Contractor or Communications Contractor shall furnish a \$300,000 single limit liability manufacturers and contractors liability certificate naming the Village of Lombard as Certificate Holder and Additional Insured.~~
(Ord. 6522, passed 9/16/10)

SECTION 2: That Title 15, Chapter 150, Section 150.066(B) of the Village Code is hereby amended to read as amended and as follows:

(B) The following articles, or portions thereof, of the National Electric Code (2008 Edition) shall be deleted for the purpose of this Chapter:

Section Article 230.40, Ex.3
Delete Exception No. 3

Section Article 230.41, Ex.(4)
Aluminum wire not allowed

Article 320
Armored Cable: Type AC

Article 322
Flat Cable Assemblies: Type FC

Article 324
Flat Conductor Cable: Type FCC

Article 328
Medium Voltage Cable: Type MV

Article 334
Nonmetallic Sheathed Cable: Type NM, NMC, & NMS

Article 338
Service Entrance Cable: Type SE & USE

Article 362
Electrical Nonmetallic Tubing: Type ENT

Article 378
Nonmetallic Wireways

Article 382
Nonmetallic Extensions

Article 388
Surface Nonmetallic Raceways

Article 394
Concealed Knob & Tube

Article 396
Messenger Supported Wiring

Article 398
Open Wiring on Insulators

Table 310.15 (B) (6)
120/240 Volt, 3 wire, Single-Phase Dwelling Services and Feeders
Delete entire table

(C) Special Expressed Written Permission. Construction allowed by the following Articles of the National Electrical Code (2008 Edition) shall be permitted with the Special Expressed Written Permission (SEWP) of the Chief Electrical Inspector of the Building Division, and only in those instances where the conditions and standards that may be applicable to such construction are safe and existent, as determined by the Chief Electrical Inspector.

Article 330
Metal Clad Cable: Type MC

Article 340
Type UF

Article 352
Type RNC (See also Subsection (D))

Article 388
Surface Nonmetallic Raceways

Article 392
Cable Trays (See also Subsection (D))

(D) The following Articles ~~of~~ or Sections the National Electric Code (2008 Edition) are amended as follows:

~~Article Section 110.14~~ Electrical Connections. (Add the following:)

- (A) Terminals. The use of stab type screwless pressure terminals of the conductor push-in type is prohibited.
- (B) Splices. The use of device terminals for splicing is strictly prohibited.

~~Article Section 110.26~~ Spaces About Electric Equipment. (Add the following:)

(A) Dead Front Assemblies – When in the judgment of the Chief Electrical Inspector or his/her designee, the conditions of the installation or the equipment being installed or modified require additional clearances at front, sides or rear of electrical equipment, such additional clearances shall be provided.

~~Article Section 210.6~~ Branch Circuit Voltage Limitations. (Add the following:)

(C) 277 volts to ground. Luminaires shall be mounted not less than 8' above the finished floor, measured at their lowest point.

Wall switching shall not exceed 150 volts to ground. All switching mechanisms shall be in listed enclosures. Wiring in concealed spaces shall be in conduit (in listed enclosures). All wall switching shall be installed only in one of the following methods:

Low voltage relay switches, panel board switches, SWD rated circuit breakers or approved 277 volt switching mechanisms shall be installed in listed enclosures. All wiring shall be in conduit unless Class 2, accessible and approved by the Electrical Inspector.

~~Article Section 210.19~~ Conductors – Minimum Ampacity and Size. (Add the following:)

(1) General. All branch circuits shall be wired with copper conductors only.

Article 210

III. Required Outlets

Section 210.52 (G) (3) Where an installation includes a sump pump or pumps and an ejector pump or pumps, each pump shall be provided an Individual Branch Circuit (dedicated circuit) compliant with Section 210.21(B)(1), (2) and (3). That is, a receptacle with a rating of not less than the branch circuit rating (usually 20 amperes) and compliant with Section 210.8, (GFCI protected) and with Section 406.11, TR (Tamper Resistant).

~~Article Section 230.1~~ Scope. (Add the following:)

Whenever a service is revised or replaced, all current pertinent provisions of this Chapter shall apply.

In residential occupancies, the laundry circuit required by Article 210.11 (C)(2) of the National Electrical Code (2008 Edition) shall be provided.

All service and feeder conductors shall be copper. It is intended that all electrical conductors be copper.

~~Article Section 230.42~~ Size and Rating. (Add the following:)

(A) General. Service conductors shall be all copper. 100 ampere services requires AWG 3 copper conductors, 200 ampere service requires AWG 3/0 copper conductors.

~~Article Section 230.43~~ Wiring Methods for 600 Volts, Nominal, or Less. (Delete the following methods:)

(1) Open Wiring on insulators; (2) TYPE IGS Cable; (5) Electrical metallic tubing; (6) Electrical Nonmetallic Tubing; (7) Service-entrance cables; (13) Type MC cable; (14) Mineral-insulated, metal-sheathed cable; (15) Flexible metal conduit and LFMC, Liquidtight flexible metal conduit; (16) Liquid tight flexible nonmetallic conduit.

~~Article Section 230.70~~ General.

(A) Location. (1) Readily Accessible Location. (Amend to read as follows:) The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure, or inside nearest the point of entrance of the service conductors, in any case within five (5) feet of conduit and conductor entrance to the building.

Article Section 230.71 Maximum Number of Disconnects. (Replace NEC text with the following:)

(A) General. The service disconnecting means for each service permitted by Section 230.2, or for each set of service-entrance conductors permitted by Section 230.40, Exception Nos. 1, 4 or 5, shall consist of one main switch or circuit breaker. There shall be no more than six (6) main disconnects grouped in any one location. For the purpose of this section, disconnecting means installed as part of listed equipment and used solely for the following shall not be considered a service disconnecting means:

- (1) Power monitoring equipment
- (2) Surge-protective device(s)
- (3) Control circuit of the ground-fault protection system
- (4) Power-operable service disconnecting means

~~Article Section 250.64~~ Grounding Electrode Conductor Installation. (Delete (A) and (B) and replace with the following:)

(A) Only Copper grounding and bonding conductors are allowed.

(B) Securing and Protection from Physical Damage. A grounding electrode conductor or its enclosure shall be securely fastened to the surface on which it is carried. All grounding electrode conductors shall be in an approved raceway. The following raceways shall be approved: rigid metal conduit, intermediate metal conduit, rigid nonmetallic conduit (Schedule 80) for exterior use; electrical metallic tubing or cable armor for interior use. (C), (D), (E), & (F), (Retain NEC text.)

Article 340 (Add the following:)

UF & BC Cable: Type UF

Approved for use only in exterior underground installations without Special Expressed Written Permission (SEWP); all other uses require SEWP. Article 340 otherwise applies entirely.

Article 348 (Add the following:)

Flexible Metal Conduit: Type FMC

Not approved for use as a general wiring method. Article 348 otherwise applies entirely.

Article 350 (Add the following:)

Liquidtight Flexible Metal Conduit: Type LFMC

Not approved for use as a general wiring method. Article 350 otherwise applies entirely.

Article 352 (Add the following:)

Rigid Nonmetallic conduit: Type RNC

Not approved for use as a general wiring method. Approved for use only in exterior underground installations without Special Expressed Written Permission (SEWP); all other uses require SEWP. Article 352 otherwise applies entirely.

Article 356 (Add the following:)

Liquidtight Flexible Nonmetallic conduit: Type LFNC

Not approved as a general wiring method. Approved for use only in exterior installations and as listed and marked as suitable for the purpose. Article 356 otherwise applies entirely.

Article 366 (Add the following:)

Auxiliary gutters: Metal only are allowed. Article 366 otherwise applies entirely.

Article 392 (Add the following:)

Cable Trays

Section 392.3 Uses Permitted. (Amend first sentence to read:)

Cable trays shall be permitted to be used as a support system for (Delete: Service conductors, feeders, branch circuits) communications circuits, and signaling circuits unless conductors are installed in conduit. Article 392 otherwise applies entirely.

Article Section 410.2 Definitions.

Closet Storage Space: (Add the following:)

In residential occupancies, all clothes closets over six (6) square feet shall have an approved (listed for use) luminaire installed.

Article Section 545.4 Manufactured Building – Wiring methods.

(Replace (A) and (B) with the following):

Only wiring methods and materials previously approved by this Chapter shall be authorized for use in manufactured buildings, except that those constructions which require Special Expressed Written Permission for use may be considered on a case by case basis.

Article Section 600.21 Ballasts, Transformers and Electronic Power Supplies.

(A) Accessibility. (Add the following:)

A code approved enclosure designed for that purpose including a self-contained disconnecting means or a disconnecting means installed within (3) three feet and in sight is required.

Article Section 605.3 (Add after code text:)

The separation of telecommunications, data, video and other Class 1, Class 2 or Class 3 wiring systems from electric light, power and other wiring formats as listed in Article 800; 800.133 (A) (1) (C) and elsewhere throughout National Electrical Code (2008 Edition) shall be maintained.

Optional components or alternate methods may be required.

(Ord. 3267, passed 6/21/90; Ord. 5481, passed 5/6/04; Ord. 6522, passed 9/16/10)

SECTION 3: That this ordinance shall be in full force and effect from and after its passage, approval and publication as provided by law.

Passed on first reading this 2nd day of May, 2013.

First reading waived by action of the Board of Trustees this ____ day of _____, 2013.


Passed on second reading this 16th day of May, 2013, pursuant to a roll call vote as follows:

Ayes: Trustee Whittington, Fugiel, Foltyniewicz, Breen, Fitzpatrick, and Ware

Nays: None

Absent: None

Approved this 16th day of May, 2013.



Keith Giagnorio, Village President

ATTEST:



Sharon Kuderna, Village Clerk

Published by me in pamphlet form this 17th day of May, 2013.



Sharon Kuderna, Village Clerk