

language stricken through and by inserting the language underscored, as follows:

2-120-060 Powers and duties.

It shall be the duty of the said electrical commission to: (1) formulate and recommend safe and practical standards and specifications for the installation, alteration and use of electrical equipment designed to meet the necessities and conditions that prevail in the City of Chicago, te (2) recommend reasonable rules ~~aftd-fegulations~~ governing the issuance of electrical permits by the electrical inspection section ~~of the bureau of field inspections city~~, and te (3) recommend reasonable fees to be paid for electrical inspections made by the electrical inspection section ~~of the bureau of field inspectionb city~~. The standards and specifications, and rules[^] ~~and-regulations~~ governing the issuance of such recommended permits and fees ~~se reoommended~~, shall become effective upon the passage by the city council of an ordinance adopting the same by the city council. All such fees shall be paid to the city comptroller. The commission may also hold hearings contesting the suspension, revocation or reinstatement of a license, certificate or registration issued pursuant to ~~Chapter 13-12~~ Chapters 4-290 and 4-292 of this Code in the same manner as the procedure utilized by boards of examiners under Section

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2-116-280 of this Code for license suspension or revocation and under Section 2-116-290 of this Code for license reinstatement.

SECTION 3. Section 13-12-370 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by Inserting the language underscored, as follows:

13-12-370 Permits - Issuance conditions.

The building commissioner shall issue permits for the installation and alteration of electrical equipment in all cases where an application for such permit has been made in accordance with the rules ~~and-regulations~~ applicable thereto. Provided, however, that no permit shall be issued for installing or altering by contract, electrical equipment, unless: (1) the person applying for such permit is registered as an electrical contractor as required by ~~Section 13-12-230~~ Chapter 4-290 of this Code: and (2) the permit fee set forth in Section 13-32-310 is paid before such permit is issued.

SECTION 4. Section 13-12-430 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by Inserting the language underscored, as follows:

13-12-430 Suspension of permit privileges.

The commissioner of buildings may suspend the ability of any person licensed, registered or certified, or required to be licensed, registered or certified[^] under this ~~Chapter~~ Chapters 4-290 or 4-292 of this Code to submit new applications or complete pending applications for a building permit or other permit issued by the department of buildings for cause as set forth in Section 13-8-130 of this Code.

SECTION 5. Section 13-12-480 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-12-480 Revocation of permit or certificate of inspection; and suspension, revocation or reinstatement of a certificate of registration.

Any person violating any of Sections 13-12-420 through 13-12-470, inclusive, shall be subject to the penalties provided for in Section 13-12-040, and in addition thereto, the permit, certificate of inspection, or any printed form issued to a registered electrical contractor shall be revoked by the building commissioner. Notice of revocation shall be in writing to the person violating any of those sections. A certificate of registration issued pursuant to Sections 13-12-280 through 13-12-530 Chapters 4-290 or 4-292 of this Code may be suspended or revoked by the commissioner as provided in Section 13-8-140 of this Code.

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SECTION 6. Section 13-12-490 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-12-490 When issued.

Where[^] due to the nature of the business, it is necessary for the business to make frequent alterations and changes to their electrical equipment, a monthly permit may be obtained each and every month of the year to cover all of the electrical work installed, altered or repaired during the previous month by persons who have a valid maintenance supervising electrician license and are appointed as per Section 13-12-280 Chapter 4-292 of this article Code.

SECTION 7. Section 13-12-510 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-12-510 Appointment of supervising electrician.

Before any monthly permit shall be issued to any person, he such person shall appoint or employ a licensed supervising electrician in conformity with the provisions of Article IV Chapter 4-292 of this chapter Code.

SECTION 8. Section 13-12-520 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-12-520 Certification of supervising electrician.

When the person employed or appointed to perform the work or supervise the installation, alteration, maintenance and repair of electrical wires and apparatus installed or altered under the authority of monthly permits shall have complied with Article IV Chapter 4-292 of this Code, the building commissioner shall certify him such person as a supervising electrician by placing his such supervising electrician's name on the affidavit form filed by the person desiring to secure permits to perform electrical work. Such supervising electrician shall comply with Sections 13-12-320 and 13-12-330 Chapter 4-292 of this Code.

SECTION 9. Section 13-12-600 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-12-600 Appointment of supervising electrician.

No permit for the installation, alteration, repair, and maintenance of electrical wires and apparatus shall be issued to any person under the provisions of Part G of this article Article II dealing with maintenance permits, until such person shall have has appointed or employed a licensed supervising electrician as provided for in Article IV Chapter 4-292 of this Code.

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SECTION 10. Section 13-12-610 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-12-610 Certification of supervising electrician.

When the person employed or appointed to supervise the installation, alteration, repair, and maintenance of electrical wires and apparatus installed, altered, or maintained under the authority of permits issued in conformity with ~~this part~~ Part G of this article Article II dealing with maintenance permits, ~~shall have~~ has complied with ~~Article IV~~ Chapter 4-292 of this Code, the building commissioner shall certify him such person as a supervising electrician by placing his such supervising electrician's name on the affidavit form filed by the person desiring to secure permits to perform electrical work. Such supervising electrician shall comply with ~~Sections 13-12-320 and 13-12-330~~ Chapter 4-292 of this ~~chapter~~ Code.

It shall be the responsibility of such supervising ~~electricians~~ electrician to apply for an electrical permit each ~~and every~~ calendar month to cover all electrical installations, alterations, maintenance and repair work done on the premises under ~~We~~ such supervising electrician's jurisdiction during that month. ~~Where~~ If such permits are not obtained on a regular basis, the building department shall consider that the registrant is inactive and his such registrant's name shall be removed from the registration file.

SECTION 11. Section 14E-2-210 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-2-210 Branch Circuits

(Omitted text is unaffected by this ordinance) 6. Revise subsection 210.19(A) to read, with no changes to subsections (A)(2) to (A)(4): "Branch Circuits Not More Than 600 Volts.

Informational Note No. 1: See 310.15 for ampacity ratings of conductors-Informational Note No. 2: See Part II of Article 430 for minimum rating of motor branch-circuit conductors. Informational Note No. 3: See 310.15(A)(3) for temperature limitation of conductors-Informational Note No. 4: See 215.2(A)(1) for voltage drop requirements on feeder conductors.

(1) General. Branch-circuit conductors shall have an ampacity not less than the maximum load to be served. Conductors shall be sized to carry not less than the larger of 210.19(A)(1)(a) or (b).

(a) Where a branch circuit supplies continuous loads or any combination of continuous and noncontinuous loads, the minimum branch-circuit conductor size shall have an allowable ampacity not less than the noncontinuous load plus 125 percent of the

continuous load.

(b) The minimum branch-circuit conductor size shall have an allowable ampacity not less than the maximum load to be served after the application of any adjustment or correction factors.

Exception: If the assembly, including the overcurrent devices protecting the branch circuit(s), is listed for operation at 100 percent of its rating, the allowable ampacity of the branch-circuit conductors shall be permitted to be not less than the sum of the continuous load plus the noncontinuous load.

Conductors for branch circuits, as defined in Article 100, shall be sized to prevent a voltage drop not to exceed 3 percent at the farthest outlet of power, heating, and lighting loads, or combinations of such loads, and so that the maximum total voltage drop on both feeders and branch circuits to the farthest outlet does not exceed 5 percent."

7. Revise subsection 210.19(B) to read:

"Branch Circuits Over 600 Volts. The ampacity of conductors shall be in accordance with 310.15 and 310.60 as applicable. Branch-circuit conductors over 600 volts shall be sized in accordance with 210.19 (B)(1).

(1) General. The ampacity of branch-circuit conductors shall not be less than 125 percent of the designed potential load of utilization equipment that will be operated simultaneously."

8. Revise section 210.50 by deleting the informational note. 79. Insert new subsections 210.70(A)(2)(5) and (A)(2)(6) to read:

(Omitted text is unaffected by this ordinance)

SECTION 12. Section 14E-2-215 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-2-215 Feeders

The provisions of Article 215 of NFPA 70 are adopted by reference with the following modifications:

1. Revise subsection 215.2(A)(1)(b) to read:

"(b) The minimum feeder conductor size shall have an allowable ampacity not less than the maximum load to be served after the application of any adjustment or correction factors. "" * "" ; "" ;

Informational Note No. 1: See Examples 01 through D11 in Informative Annex D. Informational Note No. 2:

See 210.19(A) for voltage drop requirements for branch circuits.

Conductors for feeders, as defined in Article 100, shall be sized to prevent a voltage drop not to exceed 3 percent at the farthest outlet of power, heating, and lighting loads, or combinations of such loads, and so that the maximum total voltage drop on both feeders and branch circuits to the farthest outlet does not exceed 5 percent."

2_ Revise subsection 215.5 to read:

{Omitted text is unaffected by this ordinance) 23. Revise

subsection 215.12(C)(1) to read:

(Omitted text is unaffected by this ordinance)

SECTION 13. Section 14E-2-240 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-2-240 Overcurrent Protection

The provisions of Article 240 of NFPA 70 are adopted by reference with the following modifications:

1. Insert the following language at the end of section 240.85 and before informational note:

~~"Circuit breakers and their enclosures shall be of such design that it will be impossible to substitute two or more circuit breakers in a space previously occupied by a lesser number of circuit breakers. Tandem circuit breakers shall not be permitted to be used as overcurrent devices."~~

Revise section 240.2 by deleting the definition of "Supervised Industrial Installation."

2. Revise subsection 240.24(B) to read:

"Occupancy. Each occupant shall have ready access to all overcurrent devices protecting the conductors supplying that occupancy, unless otherwise permitted in 240.24(B)(1) and (B)(2). In a building with multiple occupancies, overcurrent devices may be located at a central location within the building, provided that each occupancy has access to the overcurrent devices for that occupancy, and the overcurrent device for each occupancy is clearly marked with a permanent label identifying the occupancy served."

3. **Insert new subsection 240.24(G) to read:**

"Not Located Outdoors. Branch circuit overcurrent devices, other than supplementary overcurrent protective devices, shall not be located outdoors or where exposed to the weather unless granted special permission."

4. Insert the following language at the end of section 240.85 and before the informational note:

"Circuit breakers and their enclosures shall be of such design that it will be impossible to

substitute two or more circuit breakers in a space previously occupied by a lesser number of circuit breakers. Tandem circuit breakers shall not be permitted to be used as overcurrent devices."

5. Revise Part VIII to read:

"PartVIU. Reserved."

SECTION 14. Section 14E-2-250 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-2-250 Grounding and Bonding

(Omitted text is unaffected by this ordinance)

3. Revise subsection 250.64(B) to read, with no revisions to (B)(1) through B(4):

"Securing and Protection Against Physical Damage. Where exposed, 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 installed in rigid metal conduit (RMC), intermediate metal conduit (IMC), or electrical metallic tubing (EMT) in accordance with Table 250.66. Raceways for grounding electrode conductors shall not contain other conductors.

Grounding electrode conductors and grounding electrode bonding jumpers in contact with the earth shall not be required to comply with 300.5, but shall be buried or otherwise protected if subject to physical damage. "

(Omitted text is unaffected by this ordinance) 7. Revise

table 250.66 to read:

Size of Largest Service-Entrance Conductor or Equivalent for Parallel Conductor(s)		Size of Grounding Electrode Conductor and Conduit or Tubing			
Copper	Aluminum	Copper	Conduit or Tubing	Aluminum	Conduit or Tubing

(Omitted text is unaffected by this ordinance)

Up to 1700	Up to 2400	4/0	1 in.	300	1 1/2 in.
Up to 2000	Up to 2800	250	1 1/4 in.	350	1 3/4 in.
Up to 2400	Up to 3200	300	1 3/4 in.	400	2 in.
Up to 2800	Up to 4000	350	2 in.	500	2 1/2 in.
Up to 3200	Up to 4800	400	2 1/2 in.	600	3 in.
Up to 3600	Up to 6000	500	3 in.	700	3 1/2 in.
Up to 4000	Up to 7200	600	3 1/2 in.		
Up to 4800	Up to 8400	750	4 in.		
Up to 5600	Up to 9600	900	4 1/2 in.		
Up to 6600	Up to 11000	1100	5 in.		
Up to 7500	Up to 12500	1350	5 1/2 in.		
Up to 8500	Up to 14000	1600	6 in.		
Up to 9500	Up to 15500	1900	6 1/2 in.		
Up to 10500	Up to 17000	2250	7 in.		
Up to 12000	Up to 19000	2700	8 in.		
Up to 14000	Up to 21000	3300	9 in.		
Up to 16000	Up to 23000	4000	10 in.		
Up to 18000	Up to 25000	4800	11 in.		
Up to 20000	Up to 27000	5700	12 in.		
Up to 22000	Up to 29000	6700	14 in.		
Up to 24000	Up to 31000	7800	16 in.		
Up to 26000	Up to 33000	9000	18 in.		
Up to 28000	Up to 35000	10300	20 in.		
Up to 30000	Up to 37000	11700	24 in.		
Up to 32000	Up to 39000	13200	28 in.		
Up to 34000	Up to 41000	14800	32 in.		
Up to 36000	Up to 43000	16500	36 in.		
Up to 38000	Up to 45000	18300	42 in.		
Up to 40000	Up to 47000	20200	48 in.		
Up to 42000	Up to 49000	22200	54 in.		
Up to 44000	Up to 51000	24300	60 in.		
Up to 46000	Up to 53000	26500	66 in.		
Up to 48000	Up to 55000	28800	72 in.		
Up to 50000	Up to 57000	31200	78 in.		
Up to 52000	Up to 59000	33700	84 in.		
Up to 54000	Up to 61000	36300	90 in.		
Up to 56000	Up to 63000	39000	96 in.		
Up to 58000	Up to 65000	41800	102 in.		
Up to 60000	Up to 67000	44700	108 in.		
Up to 62000	Up to 69000	47700	114 in.		
Up to 64000	Up to 71000	50800	120 in.		
Up to 66000	Up to 73000	54000	126 in.		
Up to 68000	Up to 75000	57300	132 in.		
Up to 70000	Up to 77000	60700	138 in.		
Up to 72000	Up to 79000	64200	144 in.		
Up to 74000	Up to 81000	67800	150 in.		
Up to 76000	Up to 83000	71500	156 in.		
Up to 78000	Up to 85000	75300	162 in.		
Up to 80000	Up to 87000	79200	168 in.		
Up to 82000	Up to 89000	83200	174 in.		
Up to 84000	Up to 91000	87300	180 in.		
Up to 86000	Up to 93000	91500	186 in.		
Up to 88000	Up to 95000	95800	192 in.		
Up to 90000	Up to 97000	100200	198 in.		
Up to 92000	Up to 99000	104700	204 in.		
Up to 94000	Up to 101000	109300	210 in.		
Up to 96000	Up to 103000	114000	216 in.		
Up to 98000	Up to 105000	118800	222 in.		
Up to 100000	Up to 107000	123700	228 in.		
Up to 102000	Up to 109000	128700	234 in.		
Up to 104000	Up to 111000	133800	240 in.		
Up to 106000	Up to 113000	139000	246 in.		
Up to 108000	Up to 115000	144300	252 in.		
Up to 110000	Up to 117000	149700	258 in.		
Up to 112000	Up to 119000	155200	264 in.		
Up to 114000	Up to 121000	160800	270 in.		
Up to 116000	Up to 123000	166500	276 in.		
Up to 118000	Up to 125000	172300	282 in.		
Up to 120000	Up to 127000	178200	288 in.		
Up to 122000	Up to 129000	184200	294 in.		
Up to 124000	Up to 131000	190300	300 in.		
Up to 126000	Up to 133000	196500	306 in.		
Up to 128000	Up to 135000	202800	312 in.		
Up to 130000	Up to 137000	209200	318 in.		
Up to 132000	Up to 139000	215700	324 in.		
Up to 134000	Up to 141000	222300	330 in.		
Up to 136000	Up to 143000	229000	336 in.		
Up to 138000	Up to 145000	235800	342 in.		
Up to 140000	Up to 147000	242700	348 in.		
Up to 142000	Up to 149000	249700	354 in.		
Up to 144000	Up to 151000	256800	360 in.		
Up to 146000	Up to 153000	264000	366 in.		
Up to 148000	Up to 155000	271300	372 in.		
Up to 150000	Up to 157000	278700	378 in.		
Up to 152000	Up to 159000	286200	384 in.		
Up to 154000	Up to 161000	293800	390 in.		
Up to 156000	Up to 163000	301500	396 in.		
Up to 158000	Up to 165000	309300	402 in.		
Up to 160000	Up to 167000	317200	408 in.		
Up to 162000	Up to 169000	325200	414 in.		
Up to 164000	Up to 171000	333300	420 in.		
Up to 166000	Up to 173000	341500	426 in.		
Up to 168000	Up to 175000	349800	432 in.		
Up to 170000	Up to 177000	358200	438 in.		
Up to 172000	Up to 179000	366700	444 in.		
Up to 174000	Up to 181000	375300	450 in.		
Up to 176000	Up to 183000	384000	456 in.		
Up to 178000	Up to 185000	392800	462 in.		
Up to 180000	Up to 187000	401700	468 in.		
Up to 182000	Up to 189000	410700	474 in.		
Up to 184000	Up to 191000	419800	480 in.		
Up to 186000	Up to 193000	429000	486 in.		
Up to 188000	Up to 195000	438300	492 in.		
Up to 190000	Up to 197000	447700	498 in.		
Up to 192000	Up to 199000	457200	504 in.		
Up to 194000	Up to 201000	466800	510 in.		
Up to 196000	Up to 203000	476500	516 in.		
Up to 198000	Up to 205000	486300	522 in.		
Up to 200000	Up to 207000	496200	528 in.		
Up to 202000	Up to 209000	506200	534 in.		
Up to 204000	Up to 211000	516300	540 in.		
Up to 206000	Up to 213000	526500	546 in.		
Up to 208000	Up to 215000	536800	552 in.		
Up to 210000	Up to 217000	547200	558 in.		
Up to 212000	Up to 219000	557700	564 in.		
Up to 214000	Up to 221000	568300	570 in.		
Up to 216000	Up to 223000	579000	576 in.		
Up to 218000	Up to 225000	589800	582 in.		
Up to 220000	Up to 227000	600700	588 in.		
Up to 222000	Up to 229000	611700	594 in.		
Up to 224000	Up to 231000	622800	600 in.		
Up to 226000	Up to 233000	634000	606 in.		
Up to 228000	Up to 235000	645300	612 in.		
Up to 230000	Up to 237000	656700	618 in.		
Up to 232000	Up to 239000	668200	624 in.		
Up to 234000	Up to 241000	679800	630 in.		
Up to 236000	Up to 243000	691500	636 in.		
Up to 238000	Up to 245000	703300	642 in.		
Up to 240000	Up to 247000	715200	648 in.		
Up to 242000	Up to 249000	727200	654 in.		
Up to 244000	Up to 251000	739300	660 in.		
Up to 246000	Up to 253000	751500	666 in.		
Up to 248000	Up to 255000	763800	672 in.		
Up to 250000	Up to 257000	776200	678 in.		
Up to 252000	Up to 259000	788700	684 in.		
Up to 254000	Up to 261000	801300	690 in.		
Up to 256000	Up to 263000	814000	696 in.		
Up to 258000	Up to 265000	826800	702 in.		
Up to 260000	Up to 267000	839700	708 in.		
Up to 262000	Up to 269000	852700	714 in.		
Up to 264000	Up to 271000	865800	720 in.		
Up to 266000	Up to 273000	879000	726 in.		
Up to 268000	Up to 275000	892300	732 in.		
Up to 270000	Up to 277000	905700	738 in.		
Up to 272000	Up to 279000	919200	744 in.		
Up to 274000	Up to 281000	932800	750 in.		
Up to 276000	Up to 283000	946500	756 in.		
Up to 278000	Up to 285000	960300	762 in.		
Up to 280000	Up to 287000	974200	768 in.		
Up to 282000	Up to 289000	988200	774 in.		
Up to 284000	Up to 291000	1002300	780 in.		
Up to 286000	Up to 293000	1016500	786 in.		
Up to 288000	Up to 295000	1030800	792 in.		
Up to 290000	Up to 297000	1045200	798 in.		
Up to 292000	Up to 299000	1059700	804 in.		
Up to 294000	Up to 301000	1074300	810 in.		
Up to 296000	Up to 303000	1089000	816 in.		
Up to 298000	Up to 305000	1103800	822 in.		
Up to 300000	Up to 307000	1118700	828 in.		
Up to 302000	Up to 309000	1133700	834 in.		
Up to 304000	Up to 311000	1148800	840 in.		
Up to 306000	Up to 313000	1164000	846 in.		
Up to 308000	Up to 315000	1179300	852 in.		
Up to 310000	Up to 317000	1194700	858 in.		
Up to 312000	Up to 319000	1210200	864 in.		
Up to 314000	Up to 321000	1225800	870 in.		
Up to 316000	Up to 323000	1241500	876 in.		
Up to 318000	Up to 325000	1257300	882 in.		
Up to 320000	Up to 3270				

"For control and signal circuits." Z Delete subsections 336.10. items

(6) a«d through (10). 23. Revise section 336.12 to read:

(Omitted text is unaffected by this ordinance)

SECTION 16. Section 14E-3-338 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-3-338 Service-Entrance Cable: Type SE and USE

The provisions of Article 338 of NFPA 70 are adopted by reference with the following modifications:

1. Revise section 338.10 to read:

"Uses Permitted. For existing buildings of non-transient residential occupancy containing not more than three dwelling units:

(A) Service-Entrance Conductors. Service-entrance cable shall be permitted to be used as service-entrance conductors for existing buildings of non-transient residential occupancy containing not more than three dwelling units.

(Omitted text is unaffected by this ordinance)

SECTION 17. Section 14E-3-352 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-3-352 Rigid Polyvinyl Chloride Conduit: Type PVC

The provisions of Article 352 of NFPA 70 are adopted by reference ~~without~~ with the following modificationT:

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II Revise section 352.10 to read:

"Uses Permitted. The use of PVC conduit shall be permitted in accordance with 352.10(A) through (F).

Informational Note: Extreme cold may cause some nonmetallic conduits to become brittle and, therefore-more susceptible to damage from physical contact.

A) Corrosive Influences. PVC conduit shall be permitted in locations subject to severe corrosive influences as covered in 300.6 and where subject to chemicals for which the materials are specifically approved.

B) Cinders. PVC conduit shall be permitted In cinder fill.

C) Wet Locations. PVC conduit shall be pennltted in portions of dairies, laundries, canneries, or other wet locations, and in locations where walls are frequently washed, the entire conduit system, including boxes and fittings used therewith, shall be installed and equipped so as to prevent water from entering the conduit. All supports, bolts, straps screws, and so forth, shall be of corrosion-resistant materials or be protected against corrosion by approved corrosion-resistant materials.

D) Underground Installations. For underground installations, PVC conduit shall be permitted for direct burial and underground encased in concrete. See 300.5 and 300.50.

E) Support of Conduit Bodies. PVC conduit shall be permitted to support nonmetallic conduit bodies not larger than the largest trade size of an entering raceway. These conduit bodies shall not support luminaires or other equipment and shall not contain devices other than splicing devices as permitted by 110.14(B) and 314.16(C)(2).

F) Insulation Temperature Limitations. Conductors or cables rated at a temperature higher than the listed temperature rating of PVC conduit shall be permitted to be installed in PVC conduit, provided the conductors or cables are not operated at a temperature higher than the listed temperature rating of the PVC conduit."

SECTION 18. Section 14E-3-355 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-3-355 Reinforced Thermosetting Resin Conduit: Type RTRC

The provisions of Article 355 of NFPA 70 are adopted by reference ~~without~~ with the following modification:

1. Revise section 355.10 to read:

"Uses Permitted. The use of RTRC shall be permitted in accordance with 355.10(A) through (F).

(A) Corrosive Influences. RTRC shall be permitted in locations subject to severe corrosive influences as covered in 300.6 and where subject to chemicals for which the materials are specifically approved.

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B) Cinders. RTRC shall be permitted in cinder fill.

C) Wet Locations. RTRC shall be permitted in portions of dairies, laundries, canneries, or other wet locations, and in locations where walls are frequently washed, the entire conduit system, including boxes and fittings used therewith, shall be installed and equipped so as to prevent water from entering the conduit. All supports, bolts, straps screws, and so forth, shall be of corrosion-resistant materials or be protected against corrosion by approved corrosion-resistant materials.

D) Underground Installations. For underground installations, see 300.5 and 300.50.

E) Support of Conduit Bodies. RTRC shall be permitted to support nonmetallic conduit bodies not larger than the largest trade size of an entering raceway. These conduit bodies shall not support luminaires or other equipment and shall not contain devices other than splicing devices as permitted by 110.14(B) and 314.16(C)(2).

F) Insulation Temperature Limitations. Conductors or cables rated at a temperature higher than the listed temperature rating of RTRC conduit shall be permitted to be installed in PVC conduit, provided the conductors or cables are not operated at a temperature higher than the listed temperature rating of the RTRC conduit."

SECTION 19. Section 14E-3-368 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-3-368 Busways

The provisions of Article 368 of NFPA 70 are adopted by reference ~~without~~ with the following modifications[^]

1. Revise section 368.12. by adding a new subsection (F) to read:

"(F) Sprinklers. In rooms or areas where an automatic sprinkler system is installed which, when activated, would cause water to come into contact with the busway.

Exception: Busway that is listed as weatherproof or raintight shall be permitted in locations with sprinkler protection."

2. Revise subsection 368.56. by deleting items 1. 2. 8. 9.10. 12. 14. and 16.

SECTION 20. Section 14E-4-406 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by Inserting the language underscored, as follows:

14E-4-406 Receptacles, Cord Connectors, and Attachment Plugs (Caps)

The provisions of Article 406 of NFPA 70 are adopted by reference ~~without~~ with the following modification^T:

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Revise section 406.3. by deleting subsection (D)(2) and the subsequent exception

SECTION 21. Section 14E-4-410 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-4-410 Luminaires, Lampholders, and Lamps

The provisions of Article 410 of NFPA 70 are adopted by reference ~~without~~ with the following modifications[^]

Revise subsection 410.24(A) to read:

"Independent of the Outlet Box. Electric-discharge and LED luminaires supported independently of the outlet box shall be connected to the branch circuit through metal raceway. Type MC cable, Type AC cable. Type MI cable, or by flexible cord as permitted in 410.62(B) or 410.62(C)."

Z. Revise subsection 410.62(C)(1) to read:

"Cord-Connected Installation. A luminaire or a listed assembly in compliance with either condition (a) or (b) shall be permitted to be cord connected provided the luminaire is located directly below the outlet or busway. the cord is not subject to strain or physical damage, and the cord is visible over its entire length except at terminations.

a) A luminaire shall be permitted to be connected with a cord terminating in a grounding-type attachment plug or busway plug.

b) A luminaire assembly equipped with a strain relief and canopy shall be permitted to use a cord connection between the luminaire assembly and the canopy. The canopy shall be permitted to include a section of raceway not over 150 mm (6 in.) in length and intended to facilitate the connection to an

outlet box mounted above a suspended ceiling."

SECTION 22. Section 14E-5-560 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-5-560 Residential Occupancies

(Omitted text is unaffected by this ordinance)

560.6 Receptacle Outlet Requirements. This section provides requirements for 125-volt, 15- and 20-ampere receptacle outlets. The receptacles required by this section shall be in addition to any receptacle that is:

- 1) Part of a luminaire or appliance, or
- 2) Controlled by a wall switch in accordance with 210.70(A)(1), Exception No. 1, or
- 3) Located within cabinets or cupboards, or

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- (4) Located more than 1.7 m (5V£ ft) above the floor

Permanently installed electric baseboard heaters equipped with factory-installed receptacle outlets or outlets provided as a separate assembly by the manufacturer shall be permitted as the required outlet or outlets for the wall space utilized by such permanently installed heaters. Such receptacle outlets shall not be connected to the heater circuits.

~~Informational note:~~ listed Note No. 1: Listed baseboard heaters include instructions that may not permit their installation below receptacle outlets.

Informational Note No. 2: See 210.8(A) for ground-fault circuit-interrupter (GFCI) protection requirements.

(Omitted text is unaffected by this ordinance)

SECTION 23. Section 14E-7-728 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-7-728 Fire-Resistive Cable Systems

The provisions of Article 728 of NFPA 70 are net adopted by reference without modification.

SECTION 24. Section 18-32-170 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-32-170 Qualified personnel - Requirements.

(Omitted text is unaffected by this ordinance)

(2) No person shall construct, install, alter, repair, test, maintain or otherwise work on the electrical components connecting the any equipment to the any electrical service unless the person holds a valid certificate of registration, issued under ~~Section 13-12-240~~ Chapter 4-290 of this Code, authorizing the person

to engage in the business of electrical contractor.

(Omitted text is unaffected by this ordinance)

SECTION 25. SECTIONS 3, 4, 5, 6, 7, 8, 9, 10 and 24 of this ordinance shall take full force and effect on January 1, 2018. The remainder of this ordinance shall take full force and effect upon its passage and approval.

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