

ORDINANCE NO. 10235  
(New Series)

AN ORDINANCE AMENDING CHAPTER IX, ARTICLE 2 OF THE SAN DIEGO MUNICIPAL CODE BY ADOPTING THE NATIONAL ELECTRICAL CODE, 1968 EDITION, BY RENUMBERING, REPEALING AND AMENDING SECTIONS OF AND ADDING SECTIONS TO THE ELECTRICAL CODE.

WHEREAS, a committee composed of representatives of the electrical industry in the San Diego area have studied the 1968 Edition of the National Electrical Code, as promulgated by the National Fire Protection Association, and have recommended adoption thereof with suggested amendments; and

WHEREAS, such amendments reflect the construction industry's practices and experiences in the metropolitan area; and

WHEREAS, the Board of Appeals and Advisors recommended adoption of the 1968 Edition of the National Electrical Code with these amendments; and

WHEREAS, the 1968 Edition of the National Electrical Code, with amendments, has been adopted by the cities of Chula Vista, National City, La Mesa, and El Cajon; and

WHEREAS, the U. S. Department of Housing and Urban Development requires cities desiring to obtain approval of their "Workable Program" to have complete and up-to-date codes covering electrical work; and

WHEREAS, this requirement would be satisfied by the adoption of the 1968 Edition of the National Electrical Code and recommended amendments; and

WHEREAS, The City of San Diego is desirous of promoting uniformity between neighboring cities in the metropolitan area to better regulate the electrical industry in general and promote consistency where practical and for the public's benefit; NOW, THEREFORE,

BE IT ORDAINED, by the Council of The City of San Diego,  
as follows:

Section 1. That Chapter IX, Article 2, Divisions 1 and 6  
of the San Diego Municipal Code be, and the same are hereby  
amended by renumbering the following sections as indicated  
below:

<u>OLD SECTION NO.</u>	<u>TITLE</u>	<u>NEW SECTION NO.</u>
92.0101.10	DEFINITIONS	92.0700
92.0101.13	MEANS OF IDENTIFICATION OF GROUNDED CONDUCTORS	92.0701
92.0101.14	BRANCH CIRCUITS - EXCEPTIONS	92.0702
92.0101.15	FEEDERS - COMMON NEUTRAL FEEDER	92.0703
92.0101.16	CALCULATION OF FEEDER LOADS	92.0704
92.0101.17	INSTALLATION OF SERVICE-ENTRANCE CONDUCTORS - WIRING METHOD	92.0706
92.0101.18	INSTALLATION OF SERVICE-ENTRANCE CONDUCTORS - NATIONAL ELECTRICAL CODE SECTIONS NOT APPLICABLE	92.0707
92.0101.19	BONDING JUMPERS	92.0709
92.0101.20	GROUNDING ELECTRODES - WATER PIPE	92.0710
92.0101.21	GROUNDING CONDUCTOR CONNECTIONS - ATTACHMENT TO ELECTRODES	92.0711
92.0101.22	OPEN WIRING ON INSULATORS - NATIONAL ELECTRICAL CODE ARTICLE NOT APPLICABLE	92.0714
92.0101.23	RIGID METAL CONDUIT - WET LOCATIONS	92.0717
92.0101.24	RIGID METAL CONDUIT - REAMING	92.0718
92.0101.25	NUMBER OF CONDUCTORS IN CONDUIT	92.0719
92.0101.26	RIGID NONMETALLIC CONDUIT	92.0720
92.0101.27	ELECTRICAL METALLIC TUBING - WET LOCATIONS	92.0721

<u>OLD SECTION NO.</u>	<u>TITLE</u>	<u>NEW SECTION NO.</u>
92.0101.28	SWITCHES - ACCESSIBILITY AND GROUPING	92.0722
92.0101.29	TRANSFORMERS - LOCATION	92.0609
92.0101.30	TRANSFORMERS - DISCONNECTING MEANS	92.0609.10
92.0102	DUTIES OF DIRECTOR OF BUILDING INSPECTION	92.0101.16
92.0103	AUTHORITY OF DIRECTOR OF BUILDING INSPECTION	92.0101.15
92.0105	INTERPRETATION	92.0101.10
92.0106	BOARD OF APPEALS AND ADVISORS	92.0101.14
92.0107	RESPONSIBILITY	92.0101.13
92.0108	PROHIBITIONS	92.0101.18
92.0606	SERVICE DISCONNECTING MEANS	92.0708
92.0609	WIRING METHODS	92.0715
92.0615	DIRECT BURIAL CABLE	92.0716
92.0621	TRAILER PARKS - ADOPTION OF CALIFORNIA ADMINISTRATIVE CODE	92.0101.17

Section 2. That Chapter IX, Article 2, Division 6 of the San Diego Municipal Code be, and the same is hereby amended by repealing Section 92.0623: SWIMMING POOLS - GROUNDING CONDUCTOR.

Section 3. That Chapter IX, Article 2, Divisions 1, 3, 4, 6, and 7 of the San Diego Municipal Code be, and the same are hereby amended by amending Sections 92.0101, 92.0101.14, 92.0301, 92.0303, 92.0309, 92.0401, 92.0608, 92.0612, 92.0613, 92.0622, 92.0708, 92.0715, 92.0720, and 92.0722 as renumbered in Section 1 above to read as follows:

SEC. 92.0101 STANDARDS FOR INSTALLATIONS AND MATERIALS; NATIONAL ELECTRICAL CODE ADOPTED

(a) The National Electrical Code, 1968 Edition, a USA Standard, published by the National Fire Protection Association, three printed copies of which are filed in

the office of the City Clerk as Official Document  
No. 730870 be, and the same is hereby adopted  
as part of the Municipal Code of The City of San Diego,  
except as hereinafter modified, amended, repealed, or  
deleted; and by reference thereto is made a part hereof  
as though fully set out herein.

(b) The requirements of the National Electrical  
Code shall apply to all residential, commercial, and  
industrial installations. All electrical installations  
that are under the jurisdiction of the California Division  
of Industrial Safety shall also comply with requirements  
of Title 24, Part 3, of the California Administrative Code.

SEC. 92.0101.14 BOARD OF APPEALS AND ADVISORS

When a question involving the interpretation of  
the intent and purpose of any provisions of this Article  
or the suitability of alternate materials and types of  
construction is presented to the Director of Building  
Inspection, he may request the Board of Appeals and  
Advisors to investigate such matters under the procedure  
established in Section 91.01 of this Code.

SEC. 92.0301 PERMITS REQUIRED

(a) No electric wiring, devices, appliances or  
equipment shall be installed within or on any building,  
structure or premises nor shall any alteration or addition  
be made in any such existing wiring, devices, appliances  
or equipment without first securing a permit therefor  
from the Inspection Department, except as stated in  
Section 92.0302.

(b) Permits shall be obtained before or at the time  
work is started, except in cases where emergency or urgent  
necessity can be shown to exist provided a permit is obtained

within twenty-four (24) hours, exclusive of Saturdays, Sundays, and holidays.

(c) A separate permit must be obtained for construction pole or where a temporary meter is required for construction purposes.

(d) A separate permit shall be required for each building or structure which stands alone, except garages which are accessory to dwellings and both are located on the same premises.

(e) Permits for privately-owned conduits or other materials in public places and in and across streets and alleys may be issued only after approval has been granted for the installation, by the City Council. All work shall be done in accordance with law and special regulations applicable thereto.

(f) Except as provided in Sections 92.0303 and 92.0304, permits shall be issued only to contractors licensed by the State of California to engage in the business or act in the capacity of a contractor relating to electrical installations.

#### SEC. 92.0303 SPECIAL OWNER'S PERMIT

The Director of Building Inspection may issue to a property owner or his duly assigned agent a permit authorizing said individual to install, alter, change, or repair electrical wiring in, or about his own property.

The permittee shall be subject to all rules and regulations applicable to electrical wiring in the City of San Diego.

#### SEC. 92.0309 APPLICATION FOR PERMIT

(a) Application for a permit, describing the work to be done, shall be made in writing to the Director of

Building Inspection. The application shall be accompanied by such plans, specifications, and schedules as may be necessary to determine whether the installation as described will be in conformity with the requirements of this article. If it shall be found that the installation as described will in general conform with the requirements of this article, and if the applicant has complied with all provisions of this article, a permit for such installation shall be issued; provided, however, that the issuance of the permit shall not be taken as permission to violate any of the requirements of this article.

(b) Electrical plans shall be submitted for the following types of installations:

1. All commercial and industrial installations.
2. Apartment buildings containing three (3) or more units and having electric heating cables.
3. Apartment buildings containing four (4) or more units but having no electric heating cables.

Submitted plans shall show a single line diagram of service, feeders, conduit, and wire sizes. Electrical calculations shall accompany all submitted plans.

#### SEC. 92.0401 FEE SCHEDULE

(a) The fees prescribed in this article must be paid to The City of San Diego for each electrical installation for which a permit is required by this Section and must be paid before any such permit is issued, except as hereinafter provided.

(b) Whenever it shall be necessary to make an extra inspection trip because the applicant for any permit gives an incorrect address or wrong location in obtaining a permit required by this article, a fee of Two Dollars (\$2.00)

shall be paid for correcting the address or location given in such permit.

(c) The fee for an electric wiring inspection requested by an owner of his premises, shall be Seven Dollars (\$7.00) per hour or a minimum of Five Dollars (\$5.00) for any fraction of an hour.

(d) For each inspection trip made necessary by reason of deficient or defective work, a fee of Three Dollars (\$3.00) shall be paid by the permittee.

(e) There shall be a fee of Two Dollars (\$2.00) for each permit issued (not refundable) in addition to the following fees:

1. For each lighting, small appliance, or general purpose 2-wire branch circuit, not including lighting fixtures or motors rated larger than 1/5 H.P. connected thereto. (Not more than 15 utilization outlets permitted per lighting or general purpose branch circuit.) For the purpose of this Section a multi-wire branch circuit contains as many 2-wire branch circuits as there are ungrounded conductors.

(a) 0-20 amps, fee per circuit

1 - 10 circuits each. . . . .	\$1.50
11 - 30 circuits each. . . . .	1.25
31 - 50 circuits each. . . . .	1.00
51 - 70 circuits each. . . . .	.75
71 - 90 circuits each. . . . .	.50
91 - 100 circuits each . . . . .	.25
Over 100 circuits each . . . . .	.20

(b) 30 amps branch circuit each. . . . . 2.50

(c) 40 amps branch circuit each. . . . . 3.00

(d) 50 amps branch circuit each. . . . . 3.50

2. Lighting fixtures including porcelain lamp holders each. . . . . .10

3. Festoon lighting, temporary lighting for carnivals, fairs, etc., Christmas tree lots and similar locations. . . . . . 5.00

4. Motors, generators, transformers, etc., including circuit wiring and controls thereto.

(a) For each H.P., KW, or KV-A or fraction thereof per unit not over five (5). . . . . .50

For each additional H.P., KW, KV-A or fraction thereof. . . . . .20

(b) Maximum fee to be paid for any one piece of equipment shall not exceed Twenty-Five Dollars (\$25.00). For the purpose of this Section, equipment such as transformers, capacitors, rectifiers, etc., which are electrically interconnected and operate as one unit shall be considered to be a single unit.

5. Heating, laundry, and cooking equipment, etc., including circuit wiring and controls thereto.

(a) For each KW or KV-A or fraction thereof per unit not over five (5). . . . . .25

Per unit over 5 KW, KV-A or fraction thereof . . . . . .15

(b) Maximum fee to be paid for any one piece of equipment shall not exceed Twenty-Five Dollars (\$25.00).



6. Inspection of equipment, materials exempt from testing laboratory approval (Mun. Code Section 92.1104) at applicant's request. . . . . 10.00

7. The fees for gas tube lighting, neon and/or incandescent lamp signs, shall be as follows:

(a) Neon signs:

For not to exceed one (1) sign including two (2) transformers and/or sign flashers. . . . . 3.00  
 For each additional transformer and/or sign flasher therefor. . . . . .50  
 For each additional sign on same building. . . . . 1.50

(b) Permit fees for gaseous tube outline lighting, decorative lighting and/or formed for advertising purposes shall be based on the following:

First two (2) transformers and/or flashers therefor . . . . . 3.00  
 For each additional transformer and/or flasher. . . . . .50  
 For each sign requiring inspection before erection . . . . . 5.00

(c) Incandescent lamp signs:

For each incandescent lamp sign including sign flashers . . . . . 2.00  
 1 to 10 lamp holders for each sign. . . . . .25  
 11 to 25 lamp holders for each sign . . . . . .50

26 to 50 lamp holders for each sign . .	1.00
51 to 100 lamp holders for each sign. .	2.00
101 to 200 lamp holders for each sign .	3.00
Over 200 lamp holders for each sign . .	5.00

8. Fees for busways, trolley ducts and similar equipment shall be based on the following schedule:

Each 20-foot section or major fraction thereof for busway or trolley duct operating at a maximum of 120-240 volts single phase. . . . . .25

Each 20-foot section or major fraction thereof for busway or trolley duct operating at a maximum of 240 volts 3 phase . . . . . .50

Each 20-foot section or major fraction thereof for busways or trolley duct operating at a maximum of 600 volts 3 phase . . . . . . 1.50

9. Fees for service installation.

(a) For each service installation not exceeding 600 volts, including one (1) electric meter, the fee shall be as follows:

(1) Size of entrance conductors (copper or equivalent aluminum)	
Not larger than No. 1 AWG. . . . .	1.00
Not larger than No. 4/0 AWG. . . . .	1.75
Not larger than 500 MCM AWG. . . . .	2.75
Not larger than 1000 MCM AWG . . . . .	4.00
Larger than 1000 MCM AWG . . . . .	5.00
For each service meter exceeding one (1). . . . .	.25

(b) For each set of service entrance conductors operating at more than 600 volts . . . . . 5.00

(c) Each construction pole wiring assembly . . . . . 3.00

(d) Each temporary service other than construction . . . . . 3.00

10. Fee for each feeder installed, replaced, relocated or reinstalled in any commercial and/or industrial premises, shall be as follows:

(a) Size of feeder conductor (copper or equivalent aluminum):

Not larger than No. 1 AWG . . . . .	.50
Not larger than No. 4/0 AWG . . . . .	1.75
Not larger than 500 MCM AWG . . . . .	2.50
Larger than 500 MCM AWG . . . . .	4.50

(b) For the purpose of this Section, the meaning of the term "Feeder" shall be to mean any single set of electrical conductors exceeding ten (10) feet in length and used to serve more than one set of fuses or circuit breakers.

11. Fee for installing, replacing, relocating, or reinstalling a switchboard or for addition to an existing switchboard, shall be as follows:

(a) 0 - 600 volts:

First switchboard section . . . . .	4.50
Each additional switchboard section . . . . .	2.50

(b) Over 600 volts:

First switchboard section . . . . . 10.00  
Each additional switchboard  
section . . . . . 5.00

(c) For the purpose of this  
Section, a switchboard section shall  
mean any portion of a complete switch-  
board which is assembled or connected  
together with an adjacent portion at  
the place of installation.

12. Fees for underfloor duct or cellular  
metal floor raceway shall be as follows:

Each one thousand (1000) square  
feet of gross floor area or major  
fraction thereof. . . . . .25

13. Outlets added to existing  
circuits, each . . . . . .15

14. For inspection of electrical  
installation or equipment for which no  
fee is herein prescribed:

Time per hour. . . . . 7.00  
Minimum fee. . . . . 3.50

15. In no case shall the additional  
fee prescribed herein be less than . . . . . 1.50

SEC. 92.0608 CIRCUIT CARDS

A complete schedule of circuits, showing the number  
and arrangement of outlets on each circuit, shall be  
posted at the service equipment location prior to request  
for rough wiring inspection. Circuit cards furnished by  
the Inspection Department shall be used for this purpose.  
In lieu of a circuit card, an approved wiring plan may be  
used.

SEC. 92.0612 TEMPORARY WIRING FOR CONSTRUCTION PURPOSES

Temporary wiring used on construction sites, where persons are employed under the provisions of the State of California Workmen's Compensation Insurance, shall be installed in conformance with the California Administrative Code, Title 24, Part 3 (Basic Electrical Regulations).

SEC. 92.0613 USE OF NONMETALLIC CONDUIT

(a) Where ducts or conduits cross under public property they shall be installed to a depth determined by the City Engineer.

(b) Galvanized heavy wall metal elbows shall be used to turn up conduit above the ground level. Approved fittings shall be used when connecting metal conduits to nonferrous conduits.

(c) All nonmetallic conduit joints which are factory-made or machine-made in the field, need not be coated with a water proofing compound before sleeve couplings are made. All coupled joints shall be tightly fitted.

(d) Direct earth burial types of nonmetallic conduits or ducts shall be installed in earth reasonably free of stones or other debris which may cause damage to said conduits or ducts, unless suitable means are provided to protect them against damage.

(e) Nonmetallic underground conduit runs, when not encased in concrete and having a radius less than thirty-six (36) inches, shall turn through heavy wall steel elbows. Such steel elbows shall be painted with an asphaltic base preparation or equivalent protective coating against corrosion.

SEC. 92.0622 WIRING IN EXISTING OR RELOCATED BUILDINGS OR STRUCTURES

(a) The provisions contained in Section 92.0101 of this Code shall apply to all existing or relocated buildings

or structures in addition to the requirements of this Section.

(b) All buildings or structures moved into the City from other outside areas shall have their wiring conform to the provisions of this article, unless deemed otherwise by the Director of Building Inspection.

(c) All relocated buildings or structures shall have service equipment conform to the provisions of Section 92.0708, if service equipment is relocated.

(d) Additions to or alterations in old wiring shall be made in compliance with the provisions of this article.

(e) Outlets added to existing branch circuits, including existing outlets, shall be rated at not less than one and one-half (1-1/2) amperes each. Circuits to which outlets have been added shall not contain outlets whose number will exceed 80 percent of the branch circuit rating.

(f) Each room in a relocated dwelling shall be provided with not less than two (2) convenience outlets equally spaced. Receptacles which are a part of a fixture or switch outlet shall not count.

#### SEC. 92.0708 SERVICE DISCONNECTING MEANS

Division J, Article 230 of the National Electrical Code is hereby amended by repealing Sections 70(b) and 70(g). In Division K, repeal Exception No. 4 of Section 90.

A service switch shall be provided for each set of service entrance conductors. It shall be located at the nearest readily accessible point to the entrance of the service entrance conductors.

Exception. Service entrance conductors of less than 300 volts may supply more than one individual service switch provided:

(a) All service switches shall be grouped at the nearest readily accessible point of entrance and shall be accessible at all times to all consumers.

(b) Not more than one service switch of this group is for the same class of service for the same consumer.

(c) Where the number of service switches at the same location exceeds six (6), the entire current shall be taken through one main, fusible switch or circuit breaker.

In a multiple occupancy building, each occupant shall have access to his disconnecting means. A multiple occupancy building shall have service equipment for the same class of service grouped in a common, accessible place, except when more than one service is permitted in accordance with Section 230-2. The total number of service switches for each class of service shall not exceed six (6) for each set of service drop or underground conductors.

#### SEC. 92.0715 WIRING METHODS

(a) Nonmetallic wiring methods may be used only in residential-type dwellings when such buildings do not exceed two (2) stories in height. Nonmetallic wiring methods are not permitted within Fire Zone No. 1

(b) Article 334 of the National Electrical Code is hereby amended as follows:

Type AC cable is not permitted for use in general wiring except that it may be fished through inaccessible areas when necessary to install wiring without causing disturbance to the finish of any portion of a building or structure.

SEC. 92.0720 RIGID NONMETALLIC CONDUIT

Section 2, Article 347, of the National Electrical Code is hereby amended by adding a new subparagraph (g) to read as follows:

(g) Ducts placed under a concrete floor located within the walls of a building shall be not less than six (6) inches beneath the bottom of the floor slab. When deemed necessary, the Director of Building Inspection may allow or require other means of protection against physical damage to nonmetallic raceways.

SEC. 92.0722 SWITCHES - ACCESSIBILITY AND GROUPING

Section 8, Article 380, of the National Electrical Code is hereby amended as follows:

(a) Switches and circuit breakers, so far as practicable, shall be readily accessible and shall be grouped. They shall be installed so that the top of a fuse or the center of the grip of the operating handle of the switch, circuit breaker, or other control device, when in its highest position, will not be more than six and one-half (6-1/2) feet above the floor or working platform.

(b) Snap switches used to control lighting branch circuits operating in excess of 150 volts to ground shall not be grouped in a common enclosure unless a permanent metal barrier is installed between every two switches.



(c) All switch outlet plates shall be permanently engraved with the branch circuit voltage if such voltage exceeds 150 volts to ground.

Section 4. That Chapter IX, Article 2, Division 6 of the San Diego Municipal Code be, and the same is hereby amended by adding Section 92.0624 to read as follows:

SEC. 92.0624 LOW VOLTAGE LIGHTING SYSTEMS

(a) Low voltage lighting systems, other than portable types, which are served from a supply source in excess of twenty-five (25) volts and/or fifty (50) volts-amps shall comply with all regulations applicable to general wiring methods.

(b) Underground conductors installed for low voltage lighting systems, other than portable types, shall be buried at a depth not less than ten (10) inches and shall be Type UF or equivalent.

(c) Transformers for use with low voltage lighting systems and which do not have current limiting characteristics shall be provided with suitable overcurrent protection and such protection may be in the primary or secondary side.

Section 5. That Chapter IX, Article 2 of the San Diego Municipal Code be, and the same is hereby amended by amending the title of Division 7, and by adding Sections 92.0705, 92.0713, 92.0723, 92.0724 and 92.0725 to read as follows:

DIVISION 7

MODIFICATIONS TO NATIONAL ELECTRICAL CODE

SEC. 92.0705 CLEARANCE OF SERVICE DROPS

Section 24(a), Article 230, of the National Electrical Code is hereby amended by adding the following:

Exception No. 3. In no case shall a service head be placed more than eighteen (18) inches back of the

exterior wall facing the utilities serving line unless deemed impractical by the serving agency.

SEC. 92.0713 CONTINUOUS RIGID CABLE SUPPORTS -  
NATIONAL ELECTRICAL CODE

Article 318, of the National Electrical Code shall not be applicable to the San Diego Municipal Code.

SEC. 92.0723 MOBILE HOMES - NATIONAL ELECTRICAL CODE  
ARTICLE NOT APPLICABLE

Article 550 of the National Electrical Code shall not be applicable to the San Diego Municipal Code.

SEC. 92.0724 HIGH VOLTAGE - WIRING METHOD

Section 3, Article 710, of the National Electrical Code is hereby amended to read as follows:

(a) Aboveground Conductors. They shall be installed in rigid metal conduit, in other approved raceways if encased in not less than three (3) inches of concrete, or as open runs of metal armored cable approved for the voltage and purpose.

In locations accessible to qualified persons only, open runs of nonmetallic sheathed cable, bare conductors, and bare bus bars may also be used.

(b) Underground Conductors. Conductors shall be installed in rigid metal conduit or in other approved raceway encased in not less than three (3) inches of concrete envelope. All such conductors shall be buried at not less than thirty (30) inches below finish grade and this depth shall apply to top of concrete envelope.

All high voltage conduits or ducts shall be maintained at a depth not less than six (6) inches below other utilities when such utilities are buried twenty-four (24) inches or less below the finish grade.

SEC. 92.0725 RADIO AND TELEVISION EQUIPMENT -  
NATIONAL ELECTRICAL CODE ARTICLE  
NOT APPLICABLE

Article 810 of the National Electrical Code shall not be applicable to the San Diego Municipal Code.

Section 6. This ordinance shall take effect and be in force on the thirtieth day from and after its passage.

APPROVED: JOHN W. WITT, City Attorney

By



Don S. Peterson, Deputy

DSP:sl  
1/22/70

10235

FEB 12 1970

Passed and adopted by the Council of The City of San Diego on .....  
by the following vote:

RECEIVED  
CITY CLERK'S OFFICE  
1970 JAN 26 AM 8:56  
SAN DIEGO, CALIF. 91

Councilmen	Yeas	Nays	Excused	Absent
Helen Cobb	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sam T. Loftin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Henry L. Landt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leon L. Williams	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floyd L. Morrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bob Martinet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Allen Hitch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mike Schaefer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mayor Frank Curran	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

AUTHENTICATED BY:

FRANK CURRAN  
Mayor of The City of San Diego, California.

(Seal)

JOHN LOCKWOOD  
City Clerk of The City of San Diego, California.

By *Elfa P. Hamel*, Deputy.

I HEREBY CERTIFY that the foregoing ordinance was not finally passed until six calendar days had elapsed between the day of its introduction and the day of its final passage, to wit, on  
JAN 29 1970, and on FEB 12 1970

~~I FURTHER CERTIFY that said ordinance was read in full prior to its final passage.~~

I FURTHER CERTIFY that the reading of said ordinance in full was dispensed with by a vote of not less than a majority of the members elected to the Council, and that there was available for the consideration of each member of the Council and the public prior to the day of its passage a written or printed copy of said ordinance.

JOHN LOCKWOOD  
City Clerk of The City of San Diego, California.

(Seal)

By *Elfa P. Hamel*, Deputy.

I HEREBY CERTIFY that the foregoing ordinance was passed on the day of its introduction, to wit, on .....  
said ordinance being of the kind and character authorized for passage on its introduction by Section 16 of the Charter.

I FURTHER CERTIFY that the final reading of said ordinance was in full.

I FURTHER CERTIFY that the reading of said ordinance in full was dispensed with by a vote of not less than a majority of the members elected to the Council, and that there was available for the consideration of each member of the Council and the public prior to the day of its passage a written or printed copy of said ordinance.

JOHN LOCKWOOD  
City Clerk of The City of San Diego, California.

(Seal)

By ....., Deputy.

Office of the City Clerk, San Diego, California	
Ordinance Number <b>10235</b>	Adopted FEB 12 1970

91

ATTORNEY (5)

\* City of San Diego  
202 "C" Street  
Community Concourse  
City Administration Building  
San Diego, California 92101

**CERTIFICATE OF PUBLICATION**

No.

IN THE MATTER OF

AN ORDINANCE AMENDING CHAPTER IX, ARTICLE 2  
OF THE SAN DIEGO MUNICIPAL CODE BY ADOPTING  
THE NATIONAL ELECTRICAL CODE, 1968 EDITION,  
BY RENUMBERING, REPEALING AND AMENDING SECTIONS  
OF AND ADDING SECTIONS TO THE ELECTRICAL CODE

RECEIVED  
CITY CLERK'S OFFICE  
1970 FEB 24 PM 3:36  
SAN DIEGO, CALIF.

I, Aline Grandier Hornaday hereby certify  
that The Daily Transcript is a daily newspaper of general  
circulation within the provisions of the Government Code of  
the State of California, printed and published in the City of  
San Diego, County of San Diego, State of California; that  
I am ~~the principal clerk of~~ the printer of said newspaper;  
that the

ORDINANCE NO. 10235 (NEW SERIES)

to a true and correct copy of which this certificate is annexed  
was published in said newspaper on

February 20, 1970

I certify under penalty of perjury that the foregoing is  
true and correct, at San Diego, California,  
on

February 20, 1970

  
(Signature)

84" \$ 336.00

**ORDINANCE NO. 10235  
(NEW SERIES)**

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WHEREAS, a committee composed of representatives of the electrical industry in the San Diego area have studied the 1968 Edition of the National Electrical Code, as promulgated by the National Fire Protection Association, and have recommended adoption thereof with suggested amendments; and

WHEREAS, such amendments reflect the construction industry's practices and experiences in the metropolitan area; and

WHEREAS, the Board of Appeals and Advisors recommended adoption of the 1968 Edition of the National Electrical Code with these amendments; and

WHEREAS, the 1968 Edition of the National Electrical Code, with amendments, has been adopted by the cities of Chula Vista, National City, La Mesa, and El Cajon; and

WHEREAS, the U. S. Department of Housing and Urban Development requires cities desiring to obtain approval of their "Workable Program" to have complete and up-to-date codes covering electrical work; and

WHEREAS, this requirement would be satisfied by the adoption of the 1968 Edition of the National Electrical Code and recommended amendments; and

WHEREAS, The City of San Diego is desirous of promoting uniformity between neighboring cities in the metropolitan area to better regulate the electrical industry in general and promote consistency where practical and for the public's benefit; NOW, THEREFORE,

BE IT ORDAINED, by the Council of The City of San Diego, as follows:

Section 1. That Chapter IX, Article 2, Divisions 1 and 6 of the San Diego Municipal Code be, and the same are hereby amended by renumbering the following sections as indicated below:

OLD SECTION NO.	TITLE	NEW SECTION NO.
92.0101.10	DEFINITIONS	92.0700
92.0101.13	MEANS OF IDENTIFICATION OF GROUNDED CONDUCTORS	92.0701
92.0101.14	BRANCH CIRCUITS - EXCEPTIONS	92.0702
92.0101.15	FEEDERS - COMMON NEUTRAL FEEDER	92.0703
92.0101.16	CALCULATION OF FEEDER LOADS	92.0704
92.0101.17	INSTALLATION OF SERVICE-ENTRANCE CONDUCTORS - WIRING METHOD	92.0706
92.0101.18	INSTALLATION OF SERVICE-ENTRANCE CONDUCTORS - NATIONAL ELECTRICAL CODE SECTIONS NOT APPLICABLE	92.0707
92.0101.19	BONDING JUMPERS	92.0709
92.0101.20	GROUNDING ELECTRODES - WATER PIPE	92.0710
92.0101.21	GROUNDING CONDUCTOR CONNECTIONS - ATTACHMENT TO ELECTRODES	92.0711
92.0101.22	OPEN WIRING ON INSULATORS - NATIONAL ELECTRICAL CODE ARTICLE NOT APPLICABLE	92.0714
92.0101.23	RIGID METAL CONDUIT - WET LOCATIONS	92.0717
92.0101.24	RIGID METAL CONDUIT - REAMING	92.0718
92.0101.25	NUMBER OF CONDUCTORS IN CONDUIT	92.0719
92.0101.26	RIGID NONMETALLIC CONDUIT	92.0720
92.0101.27	ELECTRICAL METALLIC TUBING - WET LOCATIONS	92.0721
92.0101.28	SWITCHES - ACCESSIBILITY AND GROUPING	92.0722
92.0101.29	TRANSFORMERS - LOCATION	92.0609
92.0101.30	TRANSFORMERS - DISCONNECTING MEANS	92.0609.10
92.0102	DUTIES OF DIRECTOR OF BUILDING INSPECTION	92.0101.16
92.0103	AUTHORITY OF DIRECTOR OF BUILDING INSPECTION	92.0101.15
92.0105	INTERPRETATION	92.0101.10
92.0106	BOARD OF APPEALS AND ADVISORS	92.0101.14
92.0107	RESPONSIBILITY	92.0101.13
92.0108	PROHIBITIONS	92.0101.18
92.0606	SERVICE DISCONNECTING MEANS	92.0708
92.0609	WIRING METHODS	92.0715
92.0615	DIRECT BURIAL CABLE	92.0716
92.0621	TRAILER PARKS - ADOPTION OF CALIFORNIA ADMINISTRATIVE CODE	92.0101.17

Section 2. That Chapter IX, Article 2, Division 6 of the San Diego Municipal Code be, and the same is hereby amended by repealing Section 92.0623: SWIMMING POOLS - GROUNDING CONDUCTOR.

Section 3. That Chapter IX, Article 2, Divisions 1, 3, 4, 6, and 7 of the San Diego Municipal Code be, and the same are hereby amended by amending Sections 92.0101, 92.0101.14, 92.0301, 92.0303, 92.0309, 92.0401, 92.0608, 92.0612, 92.0613, 92.0622, 92.0708, 92.0715, 92.0720, and 92.0722 as renumbered in Section 1 above to read as follows:

SEC. 92.0101 STANDARDS FOR INSTALLATIONS AND MATERIALS; NATIONAL ELECTRICAL CODE ADOPTED

(a) The National Electrical Code, 1968 Edition, a USA Standard, published by the National Fire Protection Association, three printed copies of which are filed in the office of the City Clerk as Official Document No. 730870 be, and the same is hereby adopted as part of the Municipal Code of The City of San Diego, except as hereinafter modified, amended, repealed, or deleted; and by reference thereto is made a part hereof as though fully set out herein.

(b) The requirements of the National Electrical Code shall apply to all residential, commercial, and industrial installations. All electrical installations that are under the jurisdiction of the California Division of Industrial Safety shall also comply with requirements of Title 24, Part 3, of the California Administrative Code.

SEC. 92.0101.14 BOARD OF APPEALS AND ADVISORS

When a question involving the interpretation of the intent and purpose of any provisions of this Article or the suitability of alternate materials and types of construction is presented to the Director of Building Inspection, he may request the Board of Appeals and Advisors to investigate such matters under the procedure established in Section 91.01 of this Code.

SEC. 92.0301 PERMITS REQUIRED

(a) No electric wiring, devices, appliances or equipment shall be installed within or on any building, structure or premises nor shall any alteration or addition be made in any such existing wiring, devices, appliances or equipment without first securing a permit therefor from the Inspection Department, except as stated in Section 92.0302.

(b) Permits shall be obtained before or at the time work is started, except in cases where emergency or urgent necessity can be shown to exist provided a permit is obtained within twenty-four (24) hours, exclusive of Saturdays, Sundays, and holidays.

(c) A separate permit must be obtained for construction jobs or where a temporary meter is required for construction purposes.

(d) A separate permit shall be required for each building or structure which stands alone, except garages which are accessory to dwellings and both are located on the same premises.

(e) Permits for privately-owned conduits or other materials in public places and in and across streets and alleys may be issued only after approval has been granted for the installation, by the City Council. All work shall be done in accordance with law and special regulations applicable thereto.

(f) Except as provided in Sections 92.0303 and 92.0304, permits shall be issued only to contractors licensed by the State of California to engage in the business or act in the capacity of a contractor relating to electrical installations.

SEC. 92.0303 SPECIAL OWNER'S PERMIT

The Director of Building Inspection may issue to a property owner or his duly assigned agent a permit authorizing said individual to install, alter, change, or repair electrical wiring in, or about his own property.

The permittee shall be subject to all rules and regulations applicable to electrical wiring in the City of San Diego.

SEC. 92.0309 APPLICATION FOR PERMIT

(a) Application for a permit, describing the work to be done, shall be made in writing to the Director of Building Inspection. The application shall be accompanied by such plans, specifications, and schedules as may be necessary to determine whether the installation as described will be in conformity with the requirements of this article. If it shall be found that the installation as described will in general conform with the requirements of this article, and if the applicant has complied with all provisions of this article, a permit for such installation shall be issued; provided, however, that the issuance of the permit shall not be taken as permission to violate any of the requirements of this article.

(b) Electrical plans shall be submitted for the following types of installations:

1. All commercial and industrial installations.
2. Apartment buildings containing three (3) or more units and having electric heating cables.
3. Apartment buildings containing four (4) or more units but having no electric heating cables.

Submitted plans shall show a single line diagram of service, feeders, conduit, and wire sizes. Electrical calculations shall accompany all submitted plans.

SEC. 92.0401 FEE SCHEDULE

(a) The fees prescribed in this article must be paid to The City of San Diego for each electrical installation for which a permit is required by this Section and must be paid before any such permit is issued, except as hereinafter provided.

(b) Whenever it shall be necessary to make an extra inspection trip because the applicant for any permit gives an incorrect address or wrong location in obtaining a permit required by this article, a fee of Two Dollars (\$2.00) shall be paid for correcting the address or location given in such permit.

(c) The fee for an electric wiring inspection requested by an owner of his premises, shall be Seven Dollars (\$7.00) per hour or a minimum of Five Dollars (\$5.00) for any fraction of an hour.

(d) For each inspection trip made necessary by reason of deficient or defective work, a fee of Three Dollars (\$3.00) shall be paid by the permittee.

(e) There shall be a fee of Two Dollars (\$2.00) for each permit issued (not refundable) in addition to the following fees:

1. For each lighting, small appliance, or general purpose 2-wire branch circuit, not including lighting fixtures or motors rated larger than 1/5 H.P. connected thereto. (Not more than 15 utilization outlets permitted per lighting or general purpose branch circuit.) For the purpose of this Section a multi-wire branch circuit contains as many 2-wire branch circuits as there are ungrounded conductors.
  - (a) 0-20 amps, fee per circuit
    - 1- 10 circuits each ..... \$1.50
    - 11- 30 circuits each ..... 1.25
    - 31- 50 circuits each ..... 1.00
    - 51- 70 circuits each ..... .75
    - 71- 90 circuits each ..... .50
    - 91- 100 circuits each ..... .25
    - Over 100 circuits each ..... .20
  - (b) 30 amps branch circuit each ..... 2.50
  - (c) 40 amps branch circuit each ..... 3.00
  - (d) 50 amps branch circuit each ..... 3.50

2. Lighting fixtures including porcelain lamp holders each ..... 10

3. Festoon lighting, temporary lighting for carnivals, fairs, etc., Christmas tree lots and similar locations ..... 5.00

4. Motors, generators, transformers, etc., including circuit wiring and controls thereto.

(a) For each H.P., KW, or KV-A or fraction thereof per unit not over five (5) ..... 50

For each additional H.P., KW, KV-A or fraction thereof ..... 20

(b) Maximum fee to be paid for any one piece of equipment shall not exceed Twenty-Five Dollars (\$25.00).

For the purpose of this Section, equipment such as transformers, capacitors, rectifiers, etc., which are electrically interconnected and operate as one unit shall be considered to be a single unit.

5. Heating, laundry, and cooking equipment, etc., including circuit wiring and controls thereto.

(a) For each KW or KV-A or fraction thereof per unit not over five (5) ..... 25

(b) Maximum fee to be paid for any one piece of equipment shall not exceed Twenty-Five Dollars (\$25.00).

6. Inspection of equipment, materials exempt from testing laboratory approval (Mun. Code Section 92.1104) at applicant's request ..... 10.00

7. The fees for gas tube lighting, neon and/or incandescent lamp signs, shall be as follows:

(a) Neon signs:

For not to exceed one (1) sign including two (2) transformers and/or sign flashers ..... 3.00

For each additional transformer and/or sign flasher therefor ..... 50

For each additional sign on same building ..... 1.50

(b) Permit fees for gaseous tube outline lighting, decorative lighting and/or formed for advertising purposes shall be based on the following:

First two (2) transformers and/or flashers therefor ..... 3.00

For each additional transformer and/or flasher ..... 50

For each sign requiring inspection before erection ..... 5.00

(c) Incandescent lamp signs:

For each incandescent lamp sign including sign flashers ..... 2.00

1 to 10 lamp holders for each sign ..... 25

11 to 25 lamp holders for each sign ..... 50

26 to 50 lamp holders for each sign ..... 1.00

51 to 100 lamp holders for each sign ..... 2.00

101 to 200 lamp holders for each sign ..... 3.00

Over 200 lamp holders for each sign ..... 5.00

8. Fees for busways, trolley ducts and similar equipment shall be based on the following schedule:

Each 20-foot section or major fraction thereof for busway or trolley duct operating at a maximum of 120-240 volts single phase ..... 25

Each 20-foot section or major fraction thereof for busway or trolley duct operating at a maximum of 240 volts 3 phase ..... 50

Each 20-foot section or major fraction thereof for busways or trolley duct operating at a maximum of 600 volts 3 phase ..... 1.50

9. Fees for service installation.

(a) For each service installation not exceeding 600 volts, including one (1) electric meter, the fee shall be as follows:

(1) Size of entrance conductors (copper or equivalent aluminum)

Not larger than No. 1 AWG ..... 1.00

Not larger than No. 4/0 AWG ..... 1.75

Not larger than 500 MCM AWG ..... 2.75

Not larger than 1000 MCM AWG ..... 4.00

Larger than 1000 MCM AWG ..... 5.00

For each service meter exceeding one (1) ..... 25

(b) For each set of service entrance conductors operating at more than 600 volts ..... 5.00

(c) Each construction pole wiring assembly ..... 3.00

(d) Each temporary service other than construction ..... 3.00

10. Fee for each feeder installed, replaced, relocated or reinstalled in any commercial and/or industrial premises, shall be as follows:

(a) Size of feeder conductor (copper or equivalent aluminum):

Not larger than No. 1 AWG ..... 50

Not larger than No. 4/0 AWG ..... 1.75

Not larger than 500 MCM AWG ..... 2.50

Larger than 500 MCM AWG ..... 4.50

(b) For the purpose of this Section, the meaning of the term "Feeder" shall be to mean any single set of electrical conductors exceeding ten (10) feet in length and used to serve more than one set of fuses or circuit breakers.

11. Fee for installing, replacing, relocating, or reinstalling a switchboard or for addition to an existing switchboard, shall be as follows:

(a) 0-600 volts:	
First switchboard section	4.50
Each additional switchboard section	2.50
(b) Over 600 volts:	
First switchboard section	10.00
Each additional switchboard section	5.00

(c) For the purpose of this Section, a switchboard section shall mean any portion of a complete switchboard which is assembled or connected together with an adjacent portion at the place of installation.

12. Fees for underfloor duct or cellular metal floor raceway shall be as follows:

Each one thousand (1000) square feet of gross floor area or major fraction thereof	.25
13. Outlets added to existing circuits, each	.15

14. For inspection of electrical installation or equipment for which no fee is herein prescribed:

Time per hour	7.00
Minimum fee	3.50

15. In no case shall the additional fee prescribed herein be less than

**SEC. 92.0608 CIRCUIT CARDS**

A complete schedule of circuits, showing the number and arrangement of outlets on each circuit, shall be posted at the service equipment location prior to request for rough wiring inspection. Circuit cards furnished by the Inspection Department shall be used for this purpose. In lieu of a circuit card, an approved wiring plan may be used.

**SEC. 92.0612 TEMPORARY WIRING FOR CONSTRUCTION PURPOSES**

Temporary wiring used on construction sites, where persons are employed under the provisions of the State of California Workmen's Compensation Insurance, shall be installed in conformance with the California Administrative Code, Title 24, Part 3 (Basic Electrical Regulations).

**SEC. 92.0613 USE OF NONMETALLIC CONDUIT**

(a) Where ducts or conduits cross under public property they shall be installed to a depth determined by the City Engineer.

(b) Galvanized heavy wall metal elbows shall be used to turn up conduit above the ground level. Approved fittings shall be used when connecting metal conduits to nonferrous conduits.

(c) All nonmetallic conduit joints which are factory-made or machine-made in the field, need not be coated with a water proofing compound before sleeve couplings are made. All coupled joints shall be tightly fitted.

(d) Direct earth burial types of nonmetallic conduits or ducts shall be installed in earth reasonably free of stones or other debris which may cause damage to said conduits or ducts, unless suitable means are provided to protect them against damage.

(e) Nonmetallic underground conduit runs, when not encased in concrete and having a radius less than thirty-six (36) inches, shall turn through heavy wall steel elbows. Such steel elbows shall be painted with an asphaltic base preparation or equivalent protective coating against corrosion.

**SEC. 92.0622 WIRING IN EXISTING OR RELOCATED BUILDINGS OR STRUCTURES**

(a) The provisions contained in Section 92.0101 of this Code shall apply to all existing or relocated buildings or structures in addition to the requirements of this Section.

(b) All buildings or structures moved into the City from other outside areas shall have their wiring conform to the provisions of this article, unless deemed otherwise by the Director of Building Inspection.

(c) All relocated buildings or structures shall have service equipment conform to the provisions of Section 92.0708, if service equipment is relocated.

(d) Additions to or alterations in old wiring shall be made in compliance with the provisions of this article.

(e) Outlets added to existing branch circuits, including existing outlets, shall be rated at not less than one and one-half (1½) amperes each. Circuits to which outlets have been added shall not contain outlets whose number will exceed 80 percent of the branch circuit rating.

(f) Each room in a relocated dwelling shall be provided with not less than two (2) convenience outlets equally spaced. Receptacles which are a part of a fixture or switch outlet shall not count.

**SEC. 92.0708 SERVICE DISCONNECTING MEANS**

Division J, Article 230 of the National Electrical Code is hereby amended by repealing Sections 70(b) and 70(g). In Division K, repeal Exception No. 4 of Section 90.

A service switch shall be provided for each set of service entrance conductors. It shall be located at the nearest readily accessible point to the entrance of the service entrance conductors.

Exception. Service entrance conductors of less than 300 volts may supply more than one individual service switch provided:

(a) All service switches shall be grouped at the nearest readily accessible point of entrance and shall be accessible at all times to all consumers.

(b) Not more than one service switch of this group is for the same class of service for the same consumer.

(c) Where the number of service switches at the same location exceeds six (6), the entire current shall be taken through one main, fusible switch or circuit breaker.

In a multiple occupancy building, each occupant shall have access to his disconnecting means. A multiple occupancy building shall have service equipment for the same class of service grouped in a common, accessible place, except when more than one service is permitted in accordance with Section 230-2. The total number of service switches for each class of service shall not exceed six (6) for each set of service drop or underground conductors.

**SEC. 92.0715 WIRING METHODS**

(a) Nonmetallic wiring methods may be used only in residential-type dwellings when such buildings do not exceed two (2) stories in height. Nonmetallic wiring methods are not permitted within Fire Zone No. 1.

(b) Article 334 of the National Electrical Code is hereby amended as follows:

Type AC cable is not permitted for use in general wiring except that it may be fished through inaccessible areas when necessary to install wiring without causing disturbance to the finish of any portion of a building or structure.

**SEC. 92.0720 RIGID NONMETALLIC CONDUIT**

Section 2, Article 347 of the National Electrical Code is hereby amended by adding a new subparagraph (g) to read as follows:

(g) Ducts placed under a concrete floor located within the walls of a building shall be not less than six (6) inches beneath the bottom of the floor slab. When deemed necessary, the Director of Building Inspection may allow or require other means of protection against physical damage to nonmetallic raceways.

**SEC. 92.0722 SWITCHES — ACCESSIBILITY AND GROUPING**

Section 8, Article 390, of the National Electrical Code is hereby amended as follows:

(a) Switches and circuit breakers, so far as practicable, shall be readily accessible and shall be grouped. They shall be installed so that the top of a fuse or the center of the grip of the operating handle of the switch, circuit breaker, or other control device, when in its highest position, will not be more than six and one-half (6½) feet above the floor or working platform.

(b) Snap switches used to control lighting branch circuits operating in excess of 150 volts to ground shall not be grouped in a common enclosure unless a permanent metal barrier is installed between every two switches.

(c) All switch outlet plates shall be permanently engraved with the branch circuit voltage if such voltage exceeds 150 volts to ground.

Section 4, That Chapter IX, Article 2, Division 6 of the San Diego Municipal Code be, and the same is hereby amended by adding Section 92.0624 to read as follows:

**SEC. 92.0624 LOW VOLTAGE LIGHTING SYSTEMS**

(a) Low voltage lighting systems, other than portable types, which are served from a supply source in excess of twenty-five (25) volts and/or fifty (50) volts-amps shall comply with all regulations applicable to general wiring methods.

(b) Underground conductors installed for low voltage lighting systems, other than portable types, shall be buried at a depth not less than ten (10) inches and shall be Type UF or equivalent.

(c) Transformers for use with low voltage lighting systems and which do not have current limiting characteristics shall be provided with suitable overcurrent protection and such protection may be in the primary or secondary side.

Section 5, That Chapter IX, Article 2 of the San Diego Municipal Code be, and the same is hereby amended by amending the title of Division 7, and by adding Sections 92.0705, 92.0713, 92.0723, 92.0724 and 92.0725 to read as follows:

**DIVISION 7**

**MODIFICATIONS TO NATIONAL ELECTRICAL CODE**

**SEC. 92.0705 CLEARANCE OF SERVICE DROPS**

Section 24(a), Article 230, of the National Electrical Code is hereby amended by adding the following:

Exception No. 3. In no case shall a service head be placed more than eighteen (18) inches back of the exterior wall facing the utilities serving line unless deemed impractical by the serving agency.

**SEC. 92.0713 CONTINUOUS RIGID CABLE SUPPORTS — NATIONAL ELECTRICAL CODE**

Article 318, of the National Electrical Code shall not be applicable to the San Diego Municipal Code.

**SEC. 92.0723 MOBILE HOMES — NATIONAL ELECTRICAL CODE ARTICLE NOT APPLICABLE**

Article 550 of the National Electrical Code shall not be applicable to the San Diego Municipal Code.

**SEC. 92.0724 HIGH VOLTAGE — WIRING METHOD**

Section 3, Article 710, of the National Electrical Code is hereby amended to read as follows:

(a) Aboveground Conductors. They shall be installed in rigid metal conduit, in other approved raceways if encased in not less than three (3) inches of concrete, or as open runs of metal armored cable approved for the voltage and purpose.

In locations accessible to qualified persons only, open runs of nonmetallic sheathed cable, bare conductors, and bare bus bars may also be used.

(b) Underground Conductors. Conductors shall be installed in rigid metal conduit or in other approved raceway encased in not less than three (3) inches of concrete envelope. All such conductors shall be buried at not less than thirty (30) inches below finish grade and this depth shall apply to top of concrete envelope. All high voltage conductors or ducts shall be maintained at a depth not less than six (6) inches below other utilities when such utilities are buried twenty-four (24) inches or less below the finish grade.

**SEC. 92.0725 RADIO AND TELEVISION EQUIPMENT — NATIONAL ELECTRICAL CODE ARTICLE NOT APPLICABLE**

Article 810 of the National Electrical Code shall not be applicable to the San Diego Municipal Code.

Section 6. This ordinance shall take effect and be in force on the thirtieth day from and after its passage.

Introduced on January 29, 1970.

Passed and adopted by the Council of The City of San Diego on February 12, 1970.

AUTHENTICATED BY:

FRANK CURRAN,  
Mayor of The City of San Diego, California.  
JOHN LOCKWOOD,  
City Clerk of The City of San Diego, California.  
By ELFA F. HAMEL, Deputy.

(SEAL)  
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