

ORDINANCE NUMBER O- 16397 (NEW SERIES)

ADOPTED ON APR 08 1985

AN ORDINANCE AMENDING CHAPTER IX, ARTICLE 2, OF THE SAN DIEGO MUNICIPAL CODE BY AMENDING SECTIONS 92.0100, 92.0101, 92.0201, 92.0202, 92.0502, 92.0503, 92.0506, 92.0508, 92.0510, 92.0512, 92.0627 AND 92.0628; AND BY REPEALING SECTIONS 92.0108, 92.0505, 92.0511, 92.0601, 92.0602, 92.0603 AND 92.0625; RELATING TO THE ELECTRICAL CODE.

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

Section 1. That Chapter IX, Article 2, of the San Diego Municipal Code be and the same is hereby amended by amending Sections 92.0100, 92.0101, 92.0201, 92.0202, 92.0502, 92.0503, 92.0506, 92.0508, 92.0510, 92.0512, 92.0627 and 92.0628, to read as follows:

SEC. 92.0100 SCOPE

The requirements of this Article shall apply to all privately owned electrical installations with the following exceptions:

- A. - No change.
- B. Installations listed in Article 90-2(b) of the 1984 National Electrical Code.

- C. - No change.

SEC. 92.0101 STANDARDS FOR INSTALLATIONS

The National Electrical Code, 1984 Edition, published by the National Fire Protection Association,

one printed copy of which is filed in the office of the City Clerk as Document No. 769083, 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same is hereby adopted as part of the Municipal Code of the City of San Diego, except as hereinafter modified, amended, repealed, or deleted; and by reference thereto is made a part hereof as though fully set out herein.

SEC. 92.0201 PERMITS REQUIRED

A. and B. - No Change.

C. A separate permit shall be required for each building or structure which stands alone, except garages which are accessory to single-family residences and are located on the same premises.

D. 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 Engineer. All work shall be done in accordance with law and special regulations applicable thereto.

SEC. 92.0202 PERMITS - EXCEPTIONS

A., B., C. and D. - No change.

E. No permit shall be required for the installation of remote-control switching devices on privately-owned appliances when such devices are installed by the San Diego Gas and Electric Company or their authorized agents as part of the "Peak-Shift" energy conservation program provided that the specifications for such installations are approved in

writing by the City of San Diego Building Inspection
Department.

SEC. 92.0502 MATERIALS

A., B. and C. - No change.

SEC. 92.0503 POWER DISTRIBUTION PANELS

Each store and each dwelling unit shall be supplied power from its own distribution panel. Such panels shall not supply other portions of the building. A dwelling unit is a single unit providing complete, independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking and sanitation.

SEC. 92.0506 LABELING

A. - No change.

B. Meter bases shall be labeled by address to identify the occupancy served.

C. and D. - No change.

SEC. 92.0508 TRANSFORMERS

A. Locations:

1. Transformers shall not be installed in ducts, plenums or other air-handling spaces.

2. - No change.

3. Transformers installed for the operation of doorbells, chimes, annunciators and similar devices, when placed in an attic or beneath a building or structure, shall be located within two feet (2') of the opening leading into the attic or beneath a building or structure.

SEC. 92.0510 USE OF NONMETALLIC CABLES

A. Nonmetallic cables are approved only for dwelling and residential accessory occupancies not exceeding three floors in height. Dwelling occupancies include hotels, motels, apartment houses, convents, monasteries, lodging houses and one and two family houses. Residential accessory occupancies will neither exceed a total of 1,000 square feet nor exceed 700 square feet of concentrated use assembly areas such as auditoriums, chapels, meeting rooms, exercise rooms and dance floors. In mixed occupancies (commercial/dwelling) where there is a required firewall separation, the appropriate wiring method may be used on each side of the firewall. Where there is no required firewall, the most restrictive wiring method shall be used throughout the entire building.

B. This limitation does not apply to nonmetallic cables installed in accordance with Articles 725, 760 and 800.

SEC. 92.0512 ALUMINUM CONDUCTORS AND CONDUIT

A. An approved type of inhibitor shall be used on all non-plated stranded aluminum conductor terminations.

B. Aluminum conductors installed underground shall be installed in an approved raceway.

C. Aluminum grounding conductors where used outdoors or where penetrating the exterior wall shall be factory insulated.

D. Aluminum conduit, boxes or fittings shall not be used embedded in earth, concrete, plaster, or within 18 inches of the earth unless the exterior finish of the aluminum conduit, boxes or fittings is approved for the purposes.

SEC. 92.0627 CONDUCTORS FOR GENERAL WIRING

The following sections of Article 310 are deleted or amended to read as follows:

Notes to Tables 310-16 through 310-19.

3. - No change.

TABLE 310-16 ALLOWABLE AMPACITIES OF INSULATED CONDUCTORS - No change.

SEC. 92.0628 PERMITTED USES OF WIRING METHODS

The following sections, relating to permitted uses of nonmetallic wiring methods, are amended to require compliance with the general rule for nonmetallic wiring methods, Municipal Code Section 92.0510.

Section 320-3

Section 324-3

Section 336-3

Section 338-3

Section 339-3

Section 2. That Chapter IX, Article 2, of the San Diego Municipal Code be and the same is hereby amended by repealing the following sections:

SEC. 92.0108 EFFECTIVE DATE

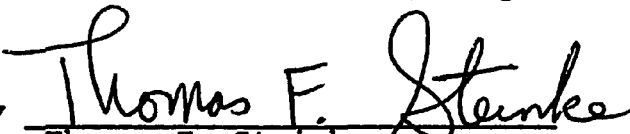
SEC. 92.0505 TEMPORARY WIRING

- SEC. 92.0511 UNDERGROUND STEEL CONDUIT
- SEC. 92.0601 DEFINITIONS
- SEC. 92.0602 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS
- SEC. 92.0603 BRANCH CIRCUITS
- SEC. 92.0625 GROUNDING

Section 3. All building permit applications filed with The City of San Diego prior to the effective date of this ordinance shall be exempt from the provisions thereof, and where no building permit is required, all electrical permits issued prior to ninety days from the effective date of this ordinance will be exempt from the provisions thereof.

Section 4. 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 
Thomas F. Steinke
Deputy City Attorney

TFS:ta:552
1/10/85
REV. 1 - 3/11/85
Or.Dept:Bldg.Insp./PS&S
O-85-111
Form=o.none

NEW LANGUAGE: UNDERLINED
OLD LANGUAGE: STRUCK OUT

SEC. 92.0100 SCOPE

The requirements of this Article shall apply to all privately owned electrical installations with the following exceptions:

A. - No change. ✓

B. Installations listed in Article 90-2(b) of the ~~1901~~1984 National Electrical Code.

C. - No change.

SEC. 92.0101 STANDARDS FOR INSTALLATIONS

~~A.~~ The National Electrical Code, ~~1901~~ 1984 Edition, published by the National Fire Protection Association, one printed copy of which is filed in the office of the City Clerk as Document No. ~~760335~~, 769083, 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.~~ All ~~electrical~~ installations that are under the jurisdiction of the California Division of Industrial Safety shall also comply with the requirements of Title 8, Chapter 4, Subchapter 5, Groups One and Two (Electrical Safety Orders). These orders may apply to occupancies other than places of employment.

SEC. 92.0201 PERMITS REQUIRED

A. and B. - No Change.

~~C.~~ A separate permit must be obtained for a construction pole or a temporary meter.

~~B.~~ C. A separate permit shall be required for each building or structure which stands alone, except garages which are accessory to single-family residences and are located on the same premises.

~~B.~~ D. 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 Engineer. All work shall be done in accordance with law and special regulations applicable thereto.

SEC. 92.0202 PERMITS - EXCEPTIONS

A., B., C. and D. - No change.

E. No permit shall be required for the installation of remote-control switching devices on privately-owned appliances when such devices are installed by the San Diego Gas and Electric Company or their authorized agents as part of the "Peak-Shift" energy conservation program provided that the specifications for such installations are approved in writing by the City of San Diego Building Inspection Department.

SEC. 92.0502 MATERIALS

A., B. and C. - No change.

~~B.~~ A lighting fixture of the electrical discharge type shall have a power factor of 0.90 or better and shall be so marked when its rating exceeds 20 watts.

~~B.~~ Unless the device is marked to indicate otherwise, the wiring space and current-carrying capacity are based on the use

of Type R7 or other 60°C wire, in circuits rated 100 ampere or less, and the use of Type RH7 or other 75°C wire for higher ampere rated circuits.

SEC. 92.0503 POWER DISTRIBUTION PANELS

Each store and each dwelling unit shall be supplied power from ~~their~~ its own distribution panel. Such panels shall not supply other portions of the building. A dwelling unit is a single unit providing complete, independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking and sanitation.

SEC. 92.0506 LABELING

A. - No change.

B. Meter bases shall be labeled by address to identify the occupancy served.

C. and D. - No change.

SEC. 92.0508 TRANSFORMERS

A. Locations:

1. Closets and rooms housing dry type and askarel-insulated transformers used for power and lighting shall be ventilated as prescribed for transformer vaults. Transformers shall not be installed in ducts, plenums or other air-handling spaces.

2. - No change.

3. Transformers installed for the operation of doorbells, chimes, annunciators and similar devices, when placed in an attic or beneath a building or structure, shall be located within two feet (2') of the opening leading into the attic or beneath a building or structure.

SEC. 92.0510 USE OF NONMETALLIC WIRING METHODS CABLES

A. Nonmetallic wiring methods cables are approved only for dwelling and residential accessory occupancies not exceeding three floors in height. Dwelling occupancies include hotels, motels, apartment houses, convents, monasteries, lodging houses and one and two family houses. Residential accessory occupancies will neither exceed a total of 1,000 square feet nor exceed 700 square feet of concentrated use assembly areas such as auditoriums, chapels, meeting rooms, exercise rooms and dance floors. In mixed occupancies (commercial/dwelling) where there is a required firewall separation, the appropriate wiring method may be used on each side of the firewall. Where there is no required firewall, the most restrictive wiring method shall be used throughout the entire building.

B. Approved nonmetallic conduit may be used in dwelling and residential accessory occupancies. In other occupancies ~~(commercial)~~, approved nonmetallic conduit may be used when embedded in concrete or extending no more than 48 inches inside the building before terminating in an approved metallic wiring method. This limitation does not apply to nonmetallic cables installed in accordance with Articles 725, 760 and 800.

C. By special permission nonmetallic conduit may be approved in locations subject to corrosive influences.

D. By special permission nonmetallic surface extensions may be approved. The amount of plastic and the type of use shall be considered in determining approval.

B- This section does not apply to wiring, devices, appliances or equipment operating at a voltage not exceeding 25 volts between conductors and not capable of supplying more than 50 watts of energy.

SEC. 92.0512 ALUMINUM CONDUCTORS AND CONDUIT

A- Non-plated aluminum conductors installed on 15 and 20 ampere branch circuits shall not be attached directly to snap-switches, receptacles, or fixtures.

B- A. An approved type of inhibitor shall be used on all non-plated stranded aluminum conductor terminations.

C- B. Aluminum conductors installed underground shall be installed in an approved raceway.

D- C. Aluminum grounding conductors where used outdoors or where penetrating the exterior wall shall be factory insulated.

E- D. Aluminum conduit, boxes or fittings shall not be used embedded in earth, concrete, plaster, or within 18 inches of the earth unless the exterior finish of the aluminum conduit, boxes or fittings is approved for the purposes.

SEC. 92.0627 CONDUCTORS FOR GENERAL WIRING

The following sections of Article 310 are deleted or amended to read as follows:

Notes to Tables 310-16 through 310-19.

3. - No change.

9- Overcurrent Protection- Where the standard ratings and settings of overcurrent devices do not correspond with the ratings and settings allowed for conductors, the next higher standard rating and setting shall be allowed provided that the

rating or setting of the overcurrent device does not exceed the allowable ampacity of the conductor by more than 20 amperes.

TABLE 310-16 ALLOWABLE AMPACITIES OF INSULATED CONDUCTORS -
No change.

SEC. 98.0628 PERMITTED USES OF WIRING METHODS

The following sections, relating to permitted uses of nonmetallic wiring methods, are amended to require compliance with the general rule for nonmetallic wiring methods, Municipal Code Section 92.0510.

Section 320-3

Section 324-3

Section 336-3

Section 338-3

Section 339-3

Section 342-3

Section 347-2

The following sections of Article 336 are deleted or amended to read as follows:

Section 336-6(b) Protection from Physical Damage. The cable shall be protected from physical damage where necessary by conduit, pipe, guard strips, or other means. Where conduit or pipe is used for physical protection, it shall be limited to a maximum length of 6 feet. Where passing through a floor the cable shall be enclosed in rigid metal conduit, intermediate metal conduit, or metal pipe extending at least 6 inches above the floor.

The following sections of Article 333 are deleted or amended to read as follows:

Section 333-6 Use of Type AC Cable:

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 structure.

COMMITTEE COPY

51

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

Councilmen	Yeas	Nays	Not Present	Ineligible
Bill Mitchell	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bill Cleator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gloria McColl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
William Jones	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ed Struiksma	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mike Gotch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dick Murphy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uvaldo Martinez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mayor Roger Hedgecock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

AUTHENTICATED BY:

ROGER HEDGECOCK

Mayor of The City of San Diego, California.

CHARLES G. ABDELNOUR

City Clerk of The City of San Diego, California.

(Seal)

By Maxwell G. Portecorvo, Deputy.

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

MAR 25 1985

APR 08 1985

~~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.

CHARLES G. ABDELNOUR

City Clerk of The City of San Diego, California.

(Seal)

By Maxwell G. Portecorvo, Deputy.

Office of the City Clerk, San Diego, California

Ordinance
Number

0-16397

APR 08 1985

Adopted

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

Councilmen	Yeas	Nays	Not Present	Ineligible
Bill Mitchell	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bill Cleator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gloria McColl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
William Jones	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ed Struikama	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mike Gotch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dick Murphy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uvaldo Martinez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mayor Roger Hedgecock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

AUTHENTICATED BY:

ROGER HEDGECOCK

Mayor of The City of San Diego, California.

CHARLES G. ABDELNOUR

City Clerk of The City of San Diego, California.

(Seal)

By Maxwell G. Postlewaite, Deputy.

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

MAR 25 1985

APR 08 1985

~~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.

CHARLES G. ABDELNOUR

City Clerk of The City of San Diego, California.

(Seal)

By Maxwell G. Postlewaite, Deputy.

Office of the City Clerk, San Diego, California

Ordinance
 Number

0-16397

APR 08 1985

Adopted

RECEIVED
CITY CLERK'S OFFICE

TELETYPE

MAR 13 1985

1985 MAR 13 AM 11: 26

SAN DIEGO, CALIF.

MAR 13 1985

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MAR 13 1985

CERTIFICATE OF PUBLICATION

16 RECEIVED
APR 26 PM 3:27
SAN DIEGO, CALIF.

CITY OF SAN DIEGO
202 C Street, 10th Fl.
San Diego, CA 92101

IN THE MATTER OF

NO.

AN ORDINANCE AMENDING CHAPTER IX, ARTICLE 2, OF THE SAN DIEGO MUNICIPAL CODE BY AMENDING SECTIONS 92.0100, 92.0101, 92.0201, 92.0202, 92.0502, 92.0503, 92.0506, 92.0508, 92.0510, 92.0512 92.0627, AND 92.0628; AND BY REPEALING SECTIONS 92.0625; RELATING TO THE ELECTRICAL CODE.

ORDINANCE NUMBER 0-16397 (NEW SERIES)
AN ORDINANCE AMENDING CHAPTER IX, ARTICLE 2, OF THE SAN DIEGO MUNICIPAL CODE BY AMENDING SECTIONS 92.0100, 92.0101, 92.0201, 92.0202, 92.0502, 92.0503, 92.0506, 92.0508, 92.0510, 92.0512, 92.0627, AND 92.0628; AND REPEALING SECTIONS 92.0104, 92.0605, 92.0510, 92.0511, 92.0512, 92.0513, AND 92.0514; RELATING TO THE ELECTRICAL CODE.
This Ordinance adopts the 1984 National Electrical Code, changes thereto, and deletes 7 sections from Chapter IX, Article 2, of the San Diego Municipal Code. These proposed changes will update and amend the existing regulations. No amendments to National Electrical Code Articles are proposed. One amendment to the administrative section is proposed which would formalize the permit exemption for the San Diego Gas and Electric's "Peak Shift" energy conservation program.
A complete copy of the Ordinance is available for inspection in the office of the City Clerk of the City of San Diego, 12th Floor, City Administration Building, 202 C Street, San Diego, CA 92101.
Adopted on MAR 25, 1985
Read and adopted by the Council of The City of San Diego on MAR 25, 1985.
CERTIFICATED BY:
BERN HEDGECOCK
City Clerk of The City of San Diego, California
CHARLES G. ABDELNOUR
Deputy City Clerk of The City of San Diego, California
MAYDEL C. MONTECORVO, Deputy
April 22, 1985

I, Michael L. Ungashick, am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the San Diego Daily Transcript, a newspaper of general circulation, printed and published daily, except Saturdays and Sundays, in the City of San Diego, County of San Diego, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of San Diego, State of California, under the date of January 23, 1909, Decree No. 14894; and the

ORDINANCE NUMBER 0-16397 (NEW SERIES)

is a true and correct copy of which the annexed is a printed copy and was published in said newspaper on the following date(s), to wit:

April 22, 1985

I certify under penalty of perjury that the foregoing is true and correct.

Dated at San Diego, California this 22nd day of Apr., 19 85.

Michael L. Ungashick
(Signature)

2 1/8" x 2 x 9.76 = 41.48

00445