### 11816

ORDINANCE NO. (New Series)

MAR 24 1976

AN ORDINANCE AMENDING CHAPTER IX, ARTICLE 2, DIVISIONS 1 THROUGH 8 AND 11, OF THE SAN DIEGO MUNICIPAL CODE BY REPEALING THE TITLES TO DIVISIONS 7, 8 AND 11 AND REPEALING SECTIONS 92.0101.10, 92.0101.13, 92.0101.14, 92.0101.15, 92.0101.16, 92.0101.18, 92.0304, 92.0305, 92.0306, 92.0307, 92.0309, 92.0407, 92.0608, 92.0609, 92.0610, 92.0611, 92.0613, 92.0614, 92.0617, 92.0620, 92.0622, 92.0707, 92.0715, 92.0723, 92.0725, 92.0726, 92.0727, 92.0728, 92.0729, 92.0730, 92.1101, 92.1102, 92.1103, 92.1104, 92.1105, 92.1106, 92.1107, 92.1108 AND 92.1109; BY AMENDING THE TITLES TO DIVISIONS 2, 3, 4, 5, AND 6 AND AMENDING SECTIONS 92.0100, 92.0101, 92.0301, 92.0302, 92.0401, 92.0501, 92.0502, 92.0503, 92.0504, 92.0505, 92.0506, 92.0601, 92.0602, 92.0603, 92.0604, 92.0605, 92.0606 AND 92.0607; AND BY ADDING SECTIONS 92.0102, 92.0103, 92.0104, 92.0105, 92.0106, 92.0107, 92.0108, 92.0201, 92.0202, 92.0203, 92.0204, 92.0205, 92.0206, 92.0207, 92.0208, 92.0303, 92.0507, 92.0508, 92.0509, 92.0510, 92.0511, 92.0512, 92.0513 AND 92.0514; ALL RELATING TO ELECTRICAL REGULATIONS.

WHEREAS, Sections 17922 and 17958 of the California Health and Safety Code provide that the governing body of every city or county shall adopt ordinances or regulations imposing the same requirements as those contained in the National Electrical Code, 1975 Edition; and

WHEREAS, Sections 17958.5 and 17958.7 of the California Health and Safety Code provide that a city or county may make such changes or modifications in the requirements contained in the National Electrical Code as it determines are reasonably necessary because of local conditions; and

# MICROFILMED

MAY 8 1978

· Profession And Control of the Co

WHEREAS, the amendments to the National Electrical Code, 1975
Edition, contained in this ordinance have been recommended by the
City of San Diego Board of Appeals and Advisors and endorsed by
the National Electrical Contractors' Association, the Construction
Industry Coordinating Council, the San Diego Building Contractors
Association, the San Diego Chapter of the American Institute of
Architects, and the International Brotherhood of Electrical Workers
Local 569 in order to provide for uniformity in San Diego County
and to provide for local conditions and needs; and

WHEREAS, the Council of The City of San Diego expressly finds and declares that each amendment or change to the National Electrical Code, 1975 Edition, contained in this ordinance is needed to provide for local conditions; NOW, THEREFORE,

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 repealing the titles to Divisions 7, 8 and 11 and repealing Sections 92.0101.10, 92.0101.13, 92.0101.14, 92.0101.15, 92.0101.16, 92.0101.18, 92.0304, 92.0305, 92.0306, 92.0307, 92.0309, 92.0407, 92.0608, 92.0609, 92.0610, 92.0611, 92.0613, 92.0614, 92.0617, 92.0620, 92.0622, 92.0707, 92.0715, 92.0723, 92.0725, 92.0726, 92.0727, 92.0728, 92.0729, 92.0730, 92.1101, 92.1102, 92.1103, 92.1104, 92.1105, 92.1106, 92.1107, 92.1108 and 92.1109.

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



一年 中人一人不是你的现在分词的有一般人的人,是是我们不到的人,我们也是我们是什么有一种情况的

the titles to Divisions 2, 3, 4, 5 and 6 and amending Sections 92.0100, 92.0101, 92.0301, 92.0302, 92.0401, 92.0501, 92.0502, 92.0503, 92.0504, 92.0505, 92.0506, 92.0601, 92.0602, 92.0603, 92.0604, 92.0605, 92.0606 and 92.0607 to read as follows:

DIVISION 2 PERMITS

DIVISION 3 FEES

DIVISION 4 INSPECTION AND APPROVAL

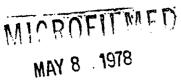
DIVISION 5 GENERAL RULES AND REGULATIONS

DIVISION 6 NATIONAL ELECTRICAL CODE AMENDMENTS

SEC. 92.0100 SCOPE

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

- A. Installations owned or leased by a public service corporation:
- For use in generation, transformation, transmission, distribution, and/or metering of electrical energy.
- 2. For the operation of signals and/or the transmission of intelligence.
- 3. In buildings used exclusively for (1) and/or (2) above.
  - 4. For installations on public property.
- 5. For underground service conductors installed outdoors on private property.
- B. Installations listed in Article 90-2(b) of the 1975 National Electrical Code.



#### SEC. 92.0101 STANDARDS FOR INSTALLATIONS

- A. The National Electrical Code, 1975 Edition, published by the National Fire Protection Association, three printed copies of which are filed in the office of the City Clerk as Document No. 754589, 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, Subdivision 5, Parts One and Two (Electrical Safety Orders). These orders may apply to occupancies other than places of employment.

#### SEC. 92.0301 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 Article, and must be paid before any such permit is issued, except as hereinafter provided.
- B. The fees prescribed in this section, except for five dollars (\$5.00) may be refunded in the event that no portion of any work authorized by permit has been performed and provided that no inspections have been made. Such refund may be authorized by the Building Inspection Director upon application by the permittee within one year from the date of permit issuance. Prior to authorization of any refund under the provisions of this section, the Building Inspection Director shall require that the permittee's

MICROFILME

copy of the issued permit be returned to the Building Inspection Department.

- C. The following fees shall be paid:
- 1. For new residential construction, including apartment houses, but not including hotels, motels and mixed occupancies.
- a. \$0.25 per ampere of service (fuse or breaker) rating of 115/230 volt single phase services.
- b. \$0.45 per ampere of service (fuse or breaker) rating for 120/208 volt three-phase four-wire services.

These fees to include all circuits and equipment installed by the permittee before final electrical inspection.

2. For commercial and industrial construction including hotels, motels, mixed occupancies, alterations and/or additions to any existing wiring system in commercial, industrial and/or residential construction.

Circuit Size				115/230V 120/208V	Voltage 277/480	0ver 600V
0 25 40 50 100 200	-	20A 20A 35A 45A 99A 199A 399A 599A 799A	1 to 100 Incl. More than 100	1.50 .75 2.00 3.00 4.00 5.00 6.00 7.00	3.00 1.50 4.00 6.00 8.00 10.00 12.00 14.00 16.00	6.00 6.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00
800 1000		999A Large:	r	9.00 10.00	18.00 20.00	36.00 40.00

The fee established herein shall be paid for each overcurrent device, including service main, subfeed, and branch circuits. These fees do not apply to series overcurrent devices on one branch circuit (as for motors). Where the overcurrent device exceeds the

rated conductor capacity as is permitted for motor starting, the rated conductor capacity may be used to determine the fee.

The fee established herein shall include the equipment installed on each branch circuit.

- 3. The fee for temporary meters installed for testing permanent wiring systems as allowed in Section 92.0203 shall be \$5.00.
- 4. The fee for temporary power of 200 amperes or less capacity shall be \$5.00.
- 5. The fee for temporary power with a capacity in excess of 200 amperes shall be \$25.00. There shall be no fee for temporary cord wiring.
- 6. The minimum fee for each electrical permit issued shall be \$5.00.
- 7. Whenever it shall be necessary to make an extra inspection trip because the work for which inspection was previously requested was incomplete and not ready for inspection, a fee of ten dollars (\$10.00) shall be paid for making an inspection of work.

SEC. 92.0302 ELECTRICAL PLAN CHECK FEE

- A. There shall be no fee for the following plans:
- 1. Plans submitted as a part of and included in the building plan file.
- 2. Plans submitted as a part of and included in the electrical permit.
- B. For plans other than those in subsections A.1. and A.2. of this section, including plans which have been submitted and

MICROFILMED

approved under those subsections but then altered so as to require a recheck, the fee shall be five percent (5%) of the applicable fee list in Section 92.0301, with a minimum fee of ten dollars (\$10.00). This fee is nonrefundable.

### SEC. 92.0401 INSPECTION OF INSTALLATIONS

- A. Approvals Required: No work shall be done on any part of the electrical system beyond the point indicated in each successive inspection without first obtaining the written approval of the Building Inspection Director. Such written approval shall be given only after inspection shall have been made of each successive step in the installation.
- B. Required Inspections: The Building Inspection Director, upon notification from the permit holder, shall make the following inspections, and shall either approve that portion of the electrical system, or notify the permit holder wherein the same fails to comply with this Article. These inspections shall be made prior to covering or concealing any portion of the electrical system, and shall be made within forty-eight (48) hours excluding nonworking days, or as soon as practical.
- 1. Underground System Inspection: To be made when the underground raceway or cable is in place.
- 2. Rough Wiring Inspection: To be made when raceway or cable is installed in a building or structure. All conductors must be in place and all splices necessary for ground and circuit continuity (not including devices and fixtures) must be completed. A circuit card, or an approved set of plans, which show the complete electrical system, shall be available on the construction

· MICROFILMED

- 3. Heat Cables Inspection: To be made after the heat cables are installed.
- 4. Final Inspection: To be made when the electrical system is complete with all devices, fixtures and equipment installed and connected. This inspection may suffice for an electrical system installed in an existing building with no uncovered walls, floors, or ceilings.
- 5. On large installations where the concealment of parts of the wiring proceeds continuously, the person installing the wiring shall give the Building Inspection Director due notice and inspections shall be made periodically during the progress of the work.
- C. Disapproved Installations: All defects shall be corrected within ten (10) days after notification, or within other reasonable time as permitted by the Building Inspection Director.
  - D. Service Connections:
- 1. No electrical system shall be connected to the source of electrical energy unless such connections have been approved.
- 2. An electrical system, device, or appliance which has been disconnected, or ordered disconnected by the Building Inspection Director, shall not be connected to the source of electrical energy until approved.
- E. The Building Inspection Director shall have the power to remove or require the removal of any obstruction that prevents the proper inspection of any electrical equipment.

## SEC. 92.0501 ALTERATIONS, ADDITIONS, RELOCATIONS, AND CONVERSIONS

A. Alterations and Additions. Additions, extensions, alterations or renewal of existing wiring installations shall be made in compliance with the provisions of this Article.

Where additions, alterations or extensions of a wiring installation are proposed in cases where this Article requires a metallic wiring method, and the existing installation was lawfully installed according to any other applicable ordinance, code or order and is not unsafe in the opinion of the Building Inspection Director, the existing installation need not be replaced.

- B. Relocation. Electrical systems in relocated buildings shall comply with the provisions of this Article.
- 1. Exception: Each room in a relocated dwelling shall be provided with receptacles spaced so that no point along the floor line in any wall space is more than ten feet (10') from a receptacle.
- 2. Exception: Existing receptacles which are more than five feet (5') from a grounded surface need not be of the grounded type.
- C. Overhead to Underground Conversions. In an overhead to underground conversion district the existing electrical service shall be replaced or repaired under any one of the following conditions:
- 1. When the electrical service equipment is not dead front operated as required by NEC 230-62.
- 2. When the electrical service equipment is not readily accessible as required by NEC 230-72-C.

MICROFILMED

書を見る こういん

- 3. When the electrical service equipment is not grounded as required by NEC 250-5-b.
- 4. When the electrical service equipment is not adequate to carry the actual load.
- 5. When the interrupting capacity of the electrical service equipment is not adequate to interrupt the maximum short circuit current available.

When spliced, the electrical service conductors shall be spliced in an approved junction box. The new and existing conduits must terminate in approved fittings at the junction box, be properly bonded, and the conductors must be spliced with an approved method.

### SEC. 92.0502 MATERIALS

- A. All electrical materials, devices, appliances and equipment installed or used, shall be in conformity with the provisions of this Article and with approved standards for safety to life and property.
- B. Listing or labeling, as conforming to the Standards of the Underwriter's Laboratories, Inc., or other approved testing laboratories, shall be prima facie evidence of conformity with the approved standards for safety to life and property when such standards are consistent with the method of installation.
- C. Previously used materials shall not be reused in any work without the written approval obtained in advance from the Building Inspection Director.
- D. 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.



E. Unless the device is marked to indicate otherwise, the wiring space and current-carrying capacity are based on the use of Type R, or other 60°C wire, in circuits rated 100 ampere or less, and the use of Type RH, 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 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. 92.0504 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 Building Inspection Department shall be used for this purpose. In lieu of a circuit card, an approved wiring plan may be used.

SEC. 92.0505 TEMPORARY WIRING

All temporary wiring accessible to the public shall be placed in approved metallic raceways except that by special permission, properly protected cord wiring may be approved for short periods of time.

SEC. 92.0506 LABELING

A. When fuses are used for current limiting or motor running overcurrent purposes the size and type of the required fuse shall be permanently marked on the inside of the fuse cabinet.

MICROFILMED

- B. Meter bases shall be labeled to identify the occupancy served.
- C. Meter rooms shall be identified with lettering not less than two inches (2") high, or other approved means.
- D. The manufacturer's name, trademark, or other identification symbols shall be placed on all electrical materials, devices, appliances, and equipment used or installed under this Article.

SEC. 92.0601 CLEARANCE OVER ROOF

Articles 230-24(a) and 225-19 are amended to read as follows:

Unless otherwise directed by the serving agency, the following clearances shall be maintained.

- A. 0 750 volt service drop conductors shall be maintained at a vertical clearance of not less than eight feet (8') above any portion of a metallic or nonmetallic residential, commercial or industrial building or structure, including any other building or structure on the same premises or adjacent premises, except that 0 300 volt service drop conductor clearances may be reduced in accordance with the following:
  - 1. EXCEPTION FOR RESIDENTIAL BUILDINGS SERVED
- a. The vertical clearance may be reduced to twelve inches (12") above the eave or roof, provided the point of service attachment is located not more than eighteen inches (18") back of the front face of the building wall facing the pole line from which the service originates, and the distance from the outer edge of the eave or overhang to the point of service attachment is not more than five feet (5').

### MICROFILMED

人工事情を一切いかとうところといいても、その人のことであれない人なられているとの名の

- b. Where triplex cable is used, the vertical clearance may be reduced to two feet (2') above a nonwalkable roof constructed of lightweight materials such as corrugated aluminum, corrugated plastic, lath, or similar materials.
- 2. EXCEPTION FOR COMMERCIAL OR INDUSTRIAL BUILDINGS SERVED

  The vertical clearance may be reduced to twelve inches

  (12") above an eave or roof extending not more than twelve inches

  (12") from the face of the building, or above a parapet wall,

  provided the current carrying service conductors are insulated for

  the voltage being supplied, and the point of service attachment is

  not more than eighteen inches (18") back of the front face of the

  building wall facing the pole line from which the service originates.
- B. Existing buildings, structures, or grade levels shall not be altered in such a manner that all clearances required by this Article are not maintained.

SEC. 92.0602 MAIN SERVICE DISCONNECT

Articles 230-71, 230-72, and Exception No. 4 of 230-90(a) are not applicable.

Article 230-71 is amended to read as follows:

A single fusible switch or automatic circuit breaker shall be provided to disconnect all ungrounded conductors supplied by each utility company metered circuit except as follows:

A. The disconnecting means for an existing utility company metered circuit with no existing main switch shall not exceed six (6) fused switches or six (6) automatic circuit breakers grouped in a common accessible place. This exception does not apply to new service installations.

B. The disconnecting means for a new utility company metered circuit shall not exceed six (6) fused switches or six (6) automatic circuit breakers grouped in a common accessible place provided not more than one (1) switch or breaker is rated less than:

- 1. 200 amperes for residential occupancies.
- 2. 1000 amperes for commercial occupancies.

A service disconnecting means shall never exceed six (6) fused switches or six (6) automatic circuit breakers at any one approved location.

Meter banks exceeding six (6) meters per bank shall, in addition to the required individual meter disconnects, have a fusible switch or automatic circuit breaker ahead of each bank and be grouped in a common accessible location.

SEC. 92.0603 BUS PHASING

Article 384-3(f) is amended to read as follows:

(f) The phase arrangement on three phase buses shall be A, B, C from front to back, top to bottom, or left to right, as viewed from the front of the switchboard or panelboard. The C phase shall be that phase having the higher voltage to ground. Other busbar arrangements shall be permitted for additions to existing installations and shall be marked.

SEC. 92.0604 SUPPLEMENTARY PROTECTION

Article 424-22(c) is amended as follows:

(c) Overcurrent Protection Devices. The overcurrent protective devices specified in (b) above shall be:

### MICROFILMED

- 1. Factory-installed within or on the heater enclosure or provided as a separate assembly by the heater manufacturer.
  - 2. Suitable for branch-circuit protection.
- 3. Supplementary protection permitted by Articles 240-10 and 422-27 which is not designed, constructed, and installed so that no current-carrying parts are normally exposed, need not be readily accessible when the required disconnect is located in sight and not more than three feet (3') from the supplementary devices.
- 4. Supplementary protection permitted by Articles 240-10 and 422-27 which is not designed, constructed, and installed so that no current-carrying parts are normally exposed, shall be readily accessible, have the required disconnect located in sight and not more than three feet (3') from the supplementary devices, and have the enclosure labeled "Danger. Disconnect before removing cover."

### SEC. 92.0605 WIRING METHODS

- A. Article 336-3 is amended as follows: Nonmetallic wiring methods may be used only in residential-type dwellings when such buildings do not exceed two stories in height. Nonmetallic wiring methods are not permitted within Fire Zone No. 1.
- B. Article 334-5(b) is amended as follows: (b) Type AC.

  Metal-clad cable of the AC type shall be permitted in dry locations;

  for underplaster extensions as provided in Article 344; and

  embedded in plaster finish on brick or other masonry, except in

  damp or wet locations. It shall be permissible to run or fish

  this cable in the air voids of masonry block or tile walls; where

  such walls are exposed or subject to excessive moisture or dampness

  or are below grade line, Type ACL cable shall be used. This cable

The same of the sa

shall contain lead-covered conductors (Type ACL) if used where exposed to the weather or to continuous moisture; for underground runs in duct or raceway and embedded in masonry, concrete or fill in buildings in course of construction; or where exposed to oil, or other conditions having a deteriorating effect on the insulation.

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. Type ACL cable shall not be used for direct burial in the earth.

C. Article 230-43; -(1), -(4) and Articles 230-50 through 230-52 inclusive SERVICE CONDUCTORS AND CABLES are not applicable.

SEC. 92.0606 NONMETALLIC BOXES

Article 370-3 is amended as follows: Nonmetallic boxes approved for the purpose may be used only with open wiring on insulators, concealed knob-and-tube work, nonmetallic-sheathed cable, and with approved nonmetallic conduit. The use of nonmetallic boxes shall be limited to single-family residential buildings and multi-family residential buildings two (2) stories or less in height.

SEC. 92.0607 ARTICLES NOT APPLICABLE IN THE CITY OF SAN DIEGO

Article 100 Section B - OVER 600 VOLTS NOMINAL

Article 230 Section K - SERVICES EXCEEDING 600 VOLTS

Article 240 Section H - OVERCURRENT PROTECTION OVER 600 VOLTS NOMINAL

Article 310 Section C - CONDUCTORS OVER 600 VOLTS NOMINAL

Article 710 - OVER 600 VOLTS NOMINAL

Table 300-5 Exception 3 - DEPTH OF UNDERGROUND CONDUCTORS is not applicable.

Article 430 Section J - REQUIREMENTS FOR OVER 600 VOLTS

Article 550 - MOBILE HOMES AND PARKS. Ordinance 10822 N.S.

Article 810 - RADIO AND TELEVISION EQUIPMENT. Ordinance 10828 N.S.

Article 820 - COMMUNITY ANTENNA TELEVISION AND RADIO DISTRIBUTION SYSTEMS

MICROFILMED.

Section 3. That Chapter IX, Article 2 of the San Diego Municipal Code be and the same is hereby amended by adding Sections 92.0102, 92.0103, 92.0104, 92.0105, 92.0106, 92.0107, 92.0108, 92.0201, 92.0202, 92.0203, 92.0204, 92.0205, 92.0206, 92.0207, 92.0208, 92.0303, 92.0507, 92.0508, 92.0509, 92.0510, 92.0511, 92.0512, 92.0513 and 92.0514 to read as follows:

SEC. 92.0102 INTERPRETATION

The language used in this Article and in the National Electrical Code, which is made a part of this Article by reference, is intended to convey the common and accepted meaning familiar to the electrical industry. The Building Inspection Director is hereby authorized to determine the intent and meaning of any provision of this Article. Such determination shall be made in writing and a record kept which shall be open to the public.

SEC. 92.0103 RESPONSIBILITY

This Article shall not be construed to relieve from or lessen the responsibility of any party owning, operating, controlling, or installing any electrical wiring, or material, for damage to person or property caused by any defect therein, nor shall the City of San Diego or any officer or employee thereof enforcing this Article be held as assuming any such liability by reason of the inspections or approvals authorized herein.

SEC. 92.0104 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

### MICROFILMED

-17-

Building Inspection Director, he may request the Board of Appeals and Advisors to investigate such matters under the procedure established in Section 91.02.0204 of this Code.

SEC. 92.0105 AUTHORITY OF BUILDING INSPECTION DIRECTOR

- -A. The Building Inspection Director shall have the right during reasonable hours or at any time extreme danger exists to enter any building in the discharge of his official duties or for the purpose of making an inspection, reinspection, or test of the installation of electrical wiring, devices, appliances, and equipment contained therein. The Building Inspection Director shall have the authority to cut or disconnect any wire in cases of emergencies where necessary to safety of life or property or where such wire may interfere with the work of the Fire Department. The Building Inspection Director is hereby authorized to disconnect or order discontinuance of electrial service to any electrical wiring, device, appliance, or equipment found to be dangerous to life or property because they are defective or defectively installed.
- B. The Building Inspection Director may delegate any of his powers or duties to any of his assistants.

SEC. 92.0106 DUTIES OF BUILDING INSPECTION DIRECTOR

It shall be the duty of the Building Inspection Director to enforce the provisions of this Article. He shall, upon application, grant permits for the installation or alteration of electrical wiring, devices, appliances, and equipment and shall make inspections of electrical installations, as provided in this Article. He shall keep complete records of all permits issued, inspections, and reinspections made and other official work performed in accordance

MICROFILMED

with the provisions of this Article. He shall also keep on file an Electrical Equipment List issued by or for Underwriter's Laboratories, Inc., which list shall be available for public information during regular office hours.

### SEC. 92.0107 PROHIBITIONS

- A. It is unlawful for any person, either as owner, architect, contractor, artisan, or otherwise to install any electrical wiring, device, appliance, or equipment in such manner that the same does not conform to all the provisions of this Article.
- B. It is unlawful to maintain an electrical system which was not legally installed pursuant to this Article, or which is, notwithstanding compliance with this Article, in an unsafe condition as determined by the Building Inspection Director.
- C. It is unlawful to sell, offer for sale, loan, rent or dispose of by gift or premium any electrical materials, device or appliance designed or intended for attachment directly or indirectly to any electrical system, circuit, or electrical service for light, heat or power in the City of San Diego, unless such electrical material, device or appliance complies with the provisions of this Article.

### SEC. 92,0108 EFFECTIVE DATE

A. 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.

### MICROFILMED

B. Where no building permit is required, all electrical permits issued prior to ninety (90) days from the effective date of this ordinance will be exempt from the provisions thereof.

### SEC. 92.0201 PERMITS REQUIRED

- A. No electrical wiring, device, appliance or equipment shall be installed within or on any building, structure or permises nor shall any alterations or addition be made in any such existing wiring, device, appliance or equipment without first securing a permit therefor from the Building Inspection Department, except as stated in Section 92.0202.
- 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 a construction pole or a temporary meter.
- D. 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.
- 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 Engineer. All work shall be done in accordance with law and special regulations applicable thereto.

SEC. 92.0202 PERMITS - EXCEPTIONS

A. No permit shall be required for minor work such as repairing toggle or snap-switches, replacing fuses, repairing lamp MICROFI MFD

とりませんというできていれるないからないからないからないというというないというというというという

sockets and receptacles, when such work is done in accordance with the provisions of this Article.

- B. No permit shall be required for the replacement of lamps or the connection of portable appliances to suitable receptacles which have been permanently installed.
- C. No permit shall be required for the installation, alteration, or repair of 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.
- D. No permit shall be required for installation made by a public service corporation acting as permitted in Sec. 92.0100A.

SEC. 92.0203 TEMPORARY PERMITS

If the Building Inspection Director finds that the safety of life and property will not be jeopardized, he may issue permits for temporary electrical installations. All such temporary installations shall be made in a manner as nearly as practicable in conformance with the requirements of this Article for permanent work. The Building Inspection Director may permit deviations which will not cause hazard to life and property, provided that whenever such hazards are deemed to exist, he may at once rescind or cancel the permit covering such installations and disconnect or order disconnection of all energy to such equipment. Upon the expiration of the time designated therein, the Building Inspection Director may disconnect or order disconnection of all electrical energy authorized by temporary permit. Temporary permits may be issued for the following purposes:

A. Construction Power. The temporary power authorization shall be for the time construction is in progress, not to exceed one year.

- B. Carnivals, Conventions, Festivals, Fairs, etc. The temporary power authorization shall be for the time the event is in progress, not to exceed ninety (90) days.
- C. The Testing of Any Permanent System of Wiring Prior to the Final Approval of That System. The temporary power authorization shall be for the time required for testing, not to exceed thirty (30) days.

### SEC. 92.0204 EXPIRATION OF PERMIT

- A. If the work authorized by a permit is not commenced within a period of sixty (60) days after issuance, or if the work authorized by a permit is suspended or abandoned at any time after the work is commenced for a period of sixty (60) days, the permit shall become void.
- B. Permits shall expire one (1) year after the date of issuance unless the permit is issued for a longer period of time.
- C. Permits for a period longer than one (1) year must be requested at the time of application for the original permit. Said permits will be issued for the period of time determined by the Building Inspection Director to be reasonably necessary to complete the work for which a permit is requested.
- D. An expired permit may be renewed upon payment of a fee to cover the unfinished work according to the fee schedule in Division 3 of this Article.

MICROFILMED

THE STATE OF THE S

#### SEC. 92.0205 INCOMPLETED INSTALLATIONS

Should any person to whom a permit has been issued quit an installation, for any reason, he shall notify the Building Inspection Department within forty-eight (48) hours and request an inspection of work installed. No person shall resume work on an incompleted installation until such installation shall have been approved by the Building Inspection Department and necessary permit obtained.

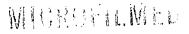
4.5

SEC. 92.0206 SCOPE OF PERMIT

The permit when issued shall be for such installation as described in the application and no deviation shall be made from the installation so described without the written approval of the Building Inspection Director.

### SEC. 92.0207 APPLICATION FOR PERMIT

- A. Application for a permit, describing the work to be done, shall be made in writing to the Building Inspection Director. The application shall be accompanied by such plans, specifications, and schedules as may be necessary to determine whether the installations as described will be in conformity with the requirements of this Article. If it shall be found that the installation as described will conform with the requirements of this Article, and if the applicant has complied with all the 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. Permits shall be obtained by each person, firm or corporation engaged in installing electrical wiring, devices,



一、一直を受けるというというというないないというないないというというというない

appliances or equipment as permitted by California State Contractor's Licensing Law.

- C. Permits may only be obtained by:
- Any person, firm, or corporation holding a valid
   California State Contractor's License which permits electrical
   installation.
  - 2. The owner of a building.
- D. A permit issued to one person, firm, or corporation shall not authorize any other person, firm, or corporation, except an employee of the permittee, to do any electric wiring.

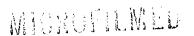
SEC. 92.0208 ELECTRICAL PLANS REQUIRED

- A. 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.
- 3. Apartment buildings containing four (4) or more units but having no electric heating.

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

- B. All submitted plans shall be signed as required by the California State Business and Professions Code Division 3.
- C. All plans required for electrical installations operating in excess of 600 volts shall be signed by a State registered Electrical Engineer.

01385



一致運動であり近くの ことは自身できないないのできた。 なりまる 野門 (新典の)であれる なれいなく こうながれない

### SEC. 92.0303 FEE FOR FAILURE TO OBTAIN PERMIT

In addition to any other penalty provided in this Article for violations thereof, any person who has done any electrical work without a permit as required by this Article, or who has caused any such work to be done without a permit, shall pay a fee of ten dollars (\$10.00) in addition to the regular permit fee for inspection of such work.

### SEC. 92.0507 BRANCH CIRCUIT OVERCURRENT PROTECTION

- A. Where plug fuses are in use on remodeled or extended wiring for lighting or convenience plug outlet branch circuits, they shall be replaced with Type "S" (tamper-resistant) fuses.
- B. Whenever there exists evidence of overfusing or fuse tampering, the Building Inspection Director shall require the installation of Type "S" fuses or automatic breakers.

### SEC. 92.0508 TRANSFORMERS

### A. Location:

- 1. Closets and rooms housing dry type and askarelinsulated transformers used for power and lighting shall be ventilated
  as prescribed for transformer vaults.
- 2. Transformers installed for the operation of doorbells, chimes, annunciators and similar devices, when placed in clothes closets or similar locations, shall be placed immediately over the door on the wall or ceiling. They shall be so located that contact with combustible materials cannot be made.
- 3. Transformers installed 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.

Overcurrent Protection: В.

When installed on grounded systems, transformers of nine (9) amperes or more secondary current capacity shall have overcurrent protection installed on the secondary side.

- Exception: Twenty-five foot taps. NEC 240-21 Exception No. 8.
  - 2. Exception: Ten foot taps NEC 240-21 Exception No. 2.

SEC. 92.0509 SPECIAL TEST FOR CONDUITS

When deemed necessary, the Building Inspection Director may require a test plug to be drawn through each run of conduit, in the presence of an inspector.

SEC. 92.0510 USE OF NONMETALLIC CONDUIT

In nonmetallic conduit systems, not more than two (2) bends shall have a radius of less than thirty-six (36) inches.

SEC. 92.0511 UNDERGROUND ALUMINUM CONDUCTORS

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

SEC. 92.0512 NONPLATED ALUMINUM CONDUCTORS

- Nonplated aluminum conductors installed on 15 and 20 ampere branch circuits shall not be attached directly to snap-switches, receptacles, or fixtures.
- An approved type of inhibitor shall be used on all nonplated stranded aluminum conductor terminations.

SEC. 92.0513 LIMITATION OF CURRENT UTILIZATION OUTLETS

The number of current consuming outlets on one circuit shall not exceed:

- Four (4) on an appliance circuit.
- Twelve (12) on a lighting circuit.

SEC. 92.0514 INTERPRETATIONS

The following interpretations apply to the provisions of the 1975 National Electrical Code indicated:

- A. 230-72(c) Service Disconnects at the Nearest Readily
  Accessible Location. This location shall limit the length of service
  entrance conductors to a maximum of 25 feet from the point the conductors are enclosed by the building or structure for eighteen inches
  (18") or more, to the first overcurrent device.
- B. 230-2 Exception 3 Multiple Services by Special Permission. Such special permission may be granted when the services are a minimum of 150 feet measured in a straight line between utility company pull boxes or overhead points of attachment and each service serves a separate area of the building.
- C. 336 Nonmetallic Cable in Raceway. Nonmetallic cable may be installed in a raceway where mechanical protection is required when the length of the cable in the raceway does not exceed six feet (6').
- D. 230-46 Exception 3 Spliced Conductors. Except by special permission nonenclosed splices of service entrance conductors will not be approved.

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

Robert W. MacCartee

Deputy City Attorney

MICROFILMED

MAY 8 1978

There is the first of the second of the seco

MAR 24 1976 Passed and adopted by the Council of The City of San Diego on by the following vote: Councilmen Nays Excused Absent Gil Johnson Maureen F. O'Connor Lee Hubbard Leon L. Williams Floyd L. Morrow Tom Gade Jim Ellis Jess D. Haro Mayor Pete Wilson PETE WILSON AUTHENTICATED BY: Mayor of The City of San Diego, California. EDWARD NIELSEN City Clerk of The City of San Diego, California. (Seal) athlem Martines, 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 10 1976 MAR 24 1976 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. EDWARD NIELSEN City Clerk of The City of San Diego, California. (Seal)

MICROFILMED

MAY 8 1978

Office of the City Clerk, San Diego, California

Ordinance

11816

.....Adopted

MAR 24 1976

ATTORNEY(S)

San Diego, City of 202 C St.

San Diego, CA 92101

Attn: Kathleen Martinez

#### CERTIFICATE OF PUBLICATION

No.

IN THE MATTER OF

ORDINANCE AMENDING CHAPTER IX, ARTICLE 2

### ORDINANCE NO. 11816

ORDINANCE NO. 11816

(New Berles)

AN ORDINANCE AMENDING CHAPTER IX. ARTICLE 2. DIVI
48 ONS 1 THROUGH 8 AND 11. OF THE SAN DIEGO MUNICIPAL

DDE BY REPEALING THE TITLES TO DIVISIONS 7. 8 AND 11.

AND REPEALING SECTIONS 92.0101.10, 92.0101.13, 92.0101.14,

(R. 0101.15. 92.0101.16. 92.0101.18. 92.0314, 92.0305, 92.0308, 92.0307,

(R. 0309, 92.0407, 92.0688, 92.0609, 92.0610, 92.0611, 92.0613, 92.0014,

(R. 0309, 92.0407, 92.0688, 92.0609, 92.0611, 92.0613, 92.0014,

(R. 1105. 92.0728, 92.0729, 92.0730, 92.1101, 92.1102, 92.1103, 92.1104,

(R. 1105. 92.1106, 92.1107, 92.1108, AND 92.1109, 92.1103, 92.1104,

(R. 1105. 92.1106, 92.0107, 92.0118, AND 92.1109, 92.0401, 92.0501,

(R. 1105. 92.0100, 92.0101, 92.0301, 92.0302, 92.0401, 92.0501,

(R. 1105. 92.0100, 92.0101, 92.0301, 92.0302, 92.0401, 92.0501,

(R. 1108, 92.0102, 92.0103, 92.0104, 92.0506, 92.0301, 92.0602, 92.0603,

(R. 1108, 92.0102, 92.0103, 92.0104, 92.0105, 92.0108, 92.0107, 92.07018,

(R. 1108, 92.0102, 92.0103, 92.0104, 92.0105, 92.0108, 92.017, 92.0208,

(R. 1303, 92.0507, 92.0508, 92.0509, 92.0510, 92.0511, 92.0512, 92.0514,

(R. 1108, 92.0102, 92.0103, 92.0104, 92.0105, 92.0108, 92.017, 92.0208,

(R. 1303, 92.0514; ALL BELATING TO ELECTRICAL REGULATIONS,

(R. 1108, 92.0102, 92.0103, 92.0104, 92.0105, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0508, 92.0509, 92.0514, 92.0514, 92.0514, 92.0514, 92.0514, 92.0514, 92.0514, 92.0514, 92.0514, 92.0514, 92.

models and needs the Council of The City of San Diego expressly finds and white that each amendment or change to the National Electrical Code, 1976 Edition, contained in this ordinance is needed to provide for local constitution, which was the Council of The City of San Diego, as THE IT ORDAINED, by the Council of The City of San Diego, as

Section 1. That Chapter IX, Article 2 of the San Diego Municipal Code he, and the same is hereby amended by repealing the titles to Divisions 7, 8 and 11 and repealing Sections 92.0101.10, 92.0101.13, 92.0101.14, 92.0101.15, 92.0101.16, 92.0101.18, 92.0305, 92.0306, 92.0307, 92.0301.15, 92.0101.16, 92.0101.18, 92.0301, 92.0305, 92.0306, 92.0307, 92.0301, 92.0308, 92.0307, 92.0301, 92.0302, 92.0307, 92.0301, 92.0305, 92.0306, 92.0307, 92.0301, 92.0302, 92.0306, 92.0307, 92.0301, 92.0302, 92.0725, 92.0726, 92.072

2. For the upstates.

2. In buildings used exclusively for (1) and/or (2) above.

3. In buildings used exclusively for (1) and/or (2) above.

4. For installations on public property.

5. For underground service conductors installed outdoors on

private property. B. Installations listed in Article 90-2(b) of the 1975 National Electrical

### JOYCE M. BRIDGES

hereby certify that San Diego 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 said newspaper; and the

ORDINANCE NO. 11816 (New Series)

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

April 8, 1976

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

April 8, 1976

1093/4" (a) 4.84 = 531.19

- 4

	Circuit Size	115/230V 120/208 V	Voltage 277/480	Over 600V
. 0	- 20A 1 to 100 Incl.	1.50	3.00	6.00
· (i)	- 20A More than 100	.75	1.50	6.00
25	- 35A	2.00	4.00	8.00
. 10	- 15A	. 3.00	6.00	12.00
50	- 99A	4.00	8.00	16.00
100	- 199A	5.(n)	. 10.00	20.00
200	399A	6.00	12.00	21:00
4(H)	- 599A	7.00	14.00	28.00
600	· 799A	8.00	16.00	32.00
800	999A	9.00	18 (9)	38.00

800 - 999A 9,00 18,00 38,00 10,00 - 999A 9,00 1000& Larger 10,00 20,00 40,00 The fee established herein shall be paid for each overqurrent device, including service main, subfeed, and brance circuits. These fees do not apply to series overcurrent devices on one branch circuit us for motors). Where the overcurrent device exceeds the rated conductor capacity as is permitted for motor starting, the rated conductor capacity as is permitted for motor starting, the rated conductor capacity may be used to determine the fee.

The fee established herein shall include the equipment installed on each branch circuit.

3. The fee for temporary meters installed for testing permanent wiring systems as allowed in Section 92.0203 shall be \$5.00.

4. The fee for temporary power of 200 amperes or less capacity shall be \$5.00.

5. The fee for temporary power with a capacity in excess of 200 amperes shall be \$25.00. There shall be, no fee for temporary cord wir, ing.

. The minimum fee for each electrical permit issued shall be

8. The minimum fee for each electrical perma issued snau re \$5.00.
7. Whenever it shall be necessary to make an extra inspection trip hecause the work for which inspection as previously requested was incomplete and not ready for inspection, a fee of ten dollars \$10.00) shall be paid for making an inspection of work.
8EC. 92.0302 FLECTRICAL PLAN CHECK FEE
A. There shall be no fee for the following plans:
1. Plans submitted as a part of and included in the building plan file.

file.

2. Plans submitted as a part of and included in the electrical per-

2. Plans summered as a partial mit.

B. For plans other than those in subsections A.1, and A.2, of this section, including plans which have been submitted and approved under those subsections but then altered so as to require a recheck, the fee shall be five percent (5%) of the applicable fee list in Section 92,0301, with a minimum lee of ten dollars (\$10,00). This fee is nonrefundable.

SEC. 92.0101 INSPECTION OF INSTALLATIONS

A. Approvals Required: No work shall be done on any part of the electrical system beyond the point indicated in each successive inspection without first obtaining the written approval of the Building Inspection Director. Such written approval shall be given only after inspection shall have been made of each successive step in the installation.

B. Required Inspections: The Building Inspection Director, upon notification from the permit bolder, shall make the following inspections, and shall either approve that portion of the electrical system, or notify the permit holder wherein the same fails to comply with this Article. These inspections shall be made prior to covering or concenling any portion of the electrical system, and shall be made within forty-eight (48) hours excluding nonworking days, or as soon as practical.

1. Underground System Inspection: To be made when the underground receway or cable is in place.

2. Rough Wiring Inspection: To be made when raceway or cable is installed in a building or structure. All conductors must be in place and all splices necessary for ground and circuit continuity (not including devices and fixtures) must be completed. A circuit card, or an approved set of plans, which show the complete electrical system, shall be available on the construction site.

3. Heat Cables Inspection: To be made after the heat cables are installed.

4. Final Inspection: To be made when the electrical system is com-

ed set of plans, which show the complete electrical system, shall be available on the construction site.

3. Heat Cables Inspection: To be made after the heat cables are installed.

4. Final Inspection: To be made when the electrical system is complete with all devices, fixtures and equipment installed and connected. This inspection may suffice for an electrical system installed in an existing building with no uncovered walls, floors, or ceillings.

5. On large installations where the conrealment of parts of the wiring proceeds continuously, the person installing the wiring shall give the Building Inspection Director due notice and inspections shall be made periodically during the progress of the work.

C. Disapproved Installations: All defects shall be corrected within ten (10) days after notification, or within other reasonable time as permitted by the Building Inspection Director.

D. Service Connections:

1. No electrical system shall be connected to the source of electrical energy unless such connections have been approved.

2. An electrical system, device, or appliance which has been disconnected, or ordered disconnected by the Building Inspection Director, shall not be connected to the source of electrical energy until approved.

E. The Building Inspection Director shall have the power to remove or require the removal of any obstruction that prevents the propor inspection of any electrical equipment.

SEC, 92.0501 ALTERATIONS ADDITIONS, RELOCATIONS, AND CONVERSIONS

A. Alterations and Additions, Additions, extensions, alterations or reflewal of existing wiring installations shall be made in compliance, with the provisions of this Article.

Where additions, alterations or extensions of a wiring installation applicable ordinance, code or order and is not unsafe in the opinion of the Building Inspection Director, the existing installation need not be replaced.

R. Relocation, Electrical systems in relocated buildings shall comply with the resusing of this Article.

Building Inspection Director, the existing instantation need not be replaced.

R. Relocation. Electrical systems in relocated buildings shall comply with the provisions of this Article.

1. Exception: Each room in a relocated dwelling shall be provided with receptacles spaced so that no point along the floor line in any wall space is more than ten feet 140% from a receptacle.

2. Exception: Existing receptacles which are more than five feet (5) from a grounded surface need not be of the grounded type.

C. Overhead to Undurground Conversions. In an overhead to underground conversion district the existing electrical service shall be replaced or repaired under any one of the following conditions:

1. When the electrical service equipment is not dead front operated as required by NEC 230-72-C.

2. When the electrical service equipment is not grounded as required by NEC 250-5-b.

4. When the electrical service equipment is not adequate to carry the actual load.

4. When the electrical service equipment is not adequate to carry the actual load.

5. When the interrupting capacity of the electrical service equipment is not adequate to interrupt the maximum short circuit current available.

When spliced, the electrical service conductors shall be spliced in an approved function box. The new and existing conduits must terminate in approved fittings at the junction box, be properly bonded, and the conductors must be spliced with an approved method.

SEC, 92,0502 MATERIALS

A. All electrical materials, devices, appliances and equipment installed or used, shall be in conformity with the provisions of this Article and with approved standards for safety to life and property.

B. Listing or labeling, as conforming to the Standards of the Underwriter's Laboratories, Inc., or other approved testing laboratories, shall be prima facte evidence of conformity with the approved standards for safety to life and property when such standards are consistent with the method of installation.

G. Previously used materials shall not be reused in any work without the written-approval obtained in advance from the Building Inspection Director.

D. A lighting fixture of the absorbance two chall beauty.

method finantial financity when such standards are consistent with the writter-approval obtained in advance from the Building Inspection Director.

D. A lighting fixture of the electrical discharge type shall have a power factor of 0.80 or better and shall be so marked when its rating exceeds 20 watts.

E. Unless the device is marked to indicate otherwise, the wiring space and current-carrying capacity are based on the use of Type R, or other 60°C wire, in circuits rated 100 ampere or less, and the use of Tpe RH, 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 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, enting, cooking and sanitation.

SEC 2.0504 CHRCUIT CARDS

A complete schedule of circuits, showing the number and arrangement of unlets on each circuit, shall be posted at the service equipment foodition prior to request from Dopartment shall be used for this purpose. In lieu of a circuit shall be used for this purpose, in lieu of a circuit shall proved wiring plan may be used.

All temporary wiring accessible to the public shall-be placed in approved miring plan may be used.

All temporary wiring accessible to the public shall-be placed in approved miring may be approved of or short periods of time.

SEC 92.0506 LABELING

A. When fuses are used for current limiting or motor running overcurrent purposes the size and type of the required fuse shall be permanently marked on the inside of the fuse cabinet.

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

C. Meter rooms shall be identified with lettering not less than two inches 12° high, or other approved means.

D. The manufacturer's name, trademark, or other identification symbols shall be placed on all electrical materials, devices, a

BUILDINGS SERVED

The vertical clearance may be reduced to twelve inches (12") above an eave or roof extending not more than twelve inches (12") from the face of the building, or above a parapet wall, provided the current carrying service conductors are insulated for the voltage being supplied, and the point of service attachment is not more than eighteen inches (18") back of the front face of the building wall facing the pole line from which the service originates.

B. Existing buildings, structures, or grade levels shall not be altered in such a manner that all clearances required by this Article are not maintained.

tained.
SEC, 92,0602 MAIN SERVICE DISCONNECT
Articles 230-71, 230-72, and Exception No. 4 of 230-90(a) are not ap-

Articles 230-71, 230-72, and Exception No. 4 of 230-90(a) are not applicable.

Article 230-71 is amended to read as follows:
A single fusible switch or automatic circuit breaker shall be provided to disconnect all ungrounded conductors supplied by each utility company metered circuit except as follows:
A. The disconnecting means for an existing utility company metered circuit with no existing main switch shall not exceed six (6) fused switches or six (6) automatic circuit breakers grouped in a common accessible place. This exception does not apply to new service installations.

B. The disconnecting means for a new utility company metered circuit shall not exceed six (6) fused switches or six (6) automatic circuit breakers grouped in a common accessible place provided not more than one (1) switch or breaker is rated less than:
1, 200 amperes for residential occupancies.
2, 1000 amperes for commercial occupancies.
A service disconnecting means shall never exceed six (6) fused switches or six (6) automatic circuit breakers at any one approved location.

Meter banks exceeding six (6) meters per bank shall, in addition to the required individual meter disconnects, have a fusible switch or automatic circuit breaker a head of each bank and be grouped in a common accessible location.

SEC. 82.0688 BUS PHASING
Article 384-361 is amended to read as follows:

(b) The phase arrangement on three phase bases shall be A, B, C from front to back, top to bottom, or left to right, as viewed from the front of the switchhoard or panelboard. The C phase shall be that phase having the bigher voltage to ground. Other busbar arrangements shall be permitted for additions to existing installations and shall be marked.

SEC. 92.0604 SUPLEMENTARY PROTECTION
Article 424-22(c) is amended as follows:

(c) Overcurrent Protection Devices. The overcurrent protective devices appeared assembly by the heater manufacturer.

2. Suitable for branch-circuit protection.

3. Supplementary protection permitted by Articles 240-10 and 422-27 which is not designed, constructed, and installed so that no current-carrying parts are normally exposed, need not be readily accessible when the required disconnect is located in sight and not under the third of the supplementary devices.

2. Suitable for the supplementary devices.

3. Supplementary protection permitted by Articles 240-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted by Articles 340-10 and 422-27 which is not designed to permitted disconnect located in sight and not more than three feet (3) from the supplementary devices, and have the enclosure labeled "Danger, Disconnect blocated in sight and not more than three feet (3) from the supplementary devices, and have the enclosure labeled "Danger, Disconnect located in sight and not more than three feet of the suppleme

Article 300 - MUBILIC HOMES AND PARKS, Ordinance 10822 N.S.
Article 810 - RADIO AND TELEVISION EQUIPMENT. Ordinance 10828 N.S.
Article 820 - COMMUNITY ANTENNA TELEVISION AND RADIO DISTRIBUTION SYSTEMS.
Section 3. That Chapter 1X, Article 2 of the San Diego Municipal Code be and the same is hereby amended by adding Sections 92.0102, 92.0103, 92.0101, 92.0105, 92.0106, 92.0107, 92.0108, 92.0201, 92.0202, 92.0203, 92.0507, 92.0508, 92.0509, 92.0510, 92.0511, 92.0513 and 92.0514 to read as follows: SEC. 92.0102 INTERIPRETATION
The language used in this Article and in the National Electrical Code, which is made a part of this Article and in the National Electrical Code, which is made a part of this Article by reference, is intended to convey the common and accepted meaning familiar to the electrical industry. The Building Inspection Director is bereby authorized to determine the Intended in writing and a record kept which shall be open to the public.
SEC. 92.0103 RESPONSIBILITY
This Article shall not be construed to relieve from or lessen the responsibility of any party owning, operating, controlling, or installing any electrical wiring, or material, for damage to person or property caused by any defect therein, nor shall the City of San Diego or any officer or complovee thereof enforcing this Article be held as assuming any such liability by reason of the inspections or approvals authorized herein.
SEC. 92.0103 ROARD 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 Building Inspection orce, he may request the Board of Appeals and Advisors to investigate such matters under the procedure established in Section 91,02,0204 of this Code.

0.1392

3- Ord # 11816 NS

SEC. 92,005 AUTHORITY OF BUILDING INSPECTION DIRECT

SEC. 92.005 AUTHORITY OF BUILDING INSPECTION DIRECTOR.

A. The Building Inspection Director shall have the right during reasonable hours or at any time extreme danger exists to enter any building in the discharge of his official duties or for the purpose of making an inspection, reinspection, or test of the installation of electrical wiring, an inspection process the equipment contained therein. The Building Inspection Director shall have the authority to cut or disconnect any where cases of emergencies where necessary to safety of life or property or where Building Inspection Director is hereby authorized to disconnect or order discontinuance of electrial service to any electrical wiring, device, appliance, or equipment found to be dangerous to life or property because plance, or equipment found to be dangerous to life or property because they are defective or defectively installed.

B. The Building Inspection Director may delegate thy of his powers or duties to any of his assistants.

SEC. 92.0106 DUTIES OF HUILDING INSPECTION DIRECTOR. It shall be the duty of the Building Inspection Director to enforce the provisions of this Article. He shall keep complete records of all permits issued in this Article. He shall keep complete records of all permits issued, insertical Equipment and shall make inspections and cher official work performed in accordance with the provisions made and other official work performed in Electrical Equipment List issued by or for Underwriter's Laboratories, and reinspections made and other official work performed in Electrical Equipment List issued by or for Underwriter's Laboratories, which list shall be available for public information during regular office, which list shall be available for public information during regular office.

Electrical service for light, heat or pagate complies with the previsions of servicel material, device or appliance described service and interest of service or appliance, architect, contractor, artisan, or otherwise to install any electrical wiring, device, appliance, tor, artisan, or otherwise to install any electrical wiring, device, appliance, tor, artisan, or otherwise to install same does not conform to all the provisions of this Article.

B. It is unlawful to maintain an electrical system which was not legally with this Article, in an unsafe condition as determined by the Building Inswith this Article, in an unsafe condition as determined by the Building Inswith this Article, in an unsafe condition as determined by the Building Inswith this Article, in an unsafe condition as determined by the Building Inswith the freedom in the service of appliance designed or intended for attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system, circuit, or lor attachment directly or indirectly to any electrical system.

electrical service for light, heat or power in one such electrical material, device or appliance complies with the provisions of this Article.

SEU 92.0108 EFFECTIVE DATE

A. 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.

B. Where no huilding permit is required, all electrical permits issued from the provisions thereof.

Prior to ninety 900 days from the effective date of this ordinance will be exempt from the provisions thereof.

SEC 92.0201 PERMITS HEARTH.

SEC 92.0201 PERMITS HEARTH.

An olectrical wiring, device, appliance or equipment shall be instanded within or on any building, structure or permises nor shall any alterations or addition be made in any such existing wiring, device, appliance or equipment without first securing a permit therefor from the Building Inspection Department, except as stated in Section 92.0202.

B. Dermits shall be obtained before or at the time work is started, exeption cases where emergency or urgent necessity can be shown to exist the obtained of a separate permit is obtained within twenty-four (24) hours, exclusive of provided a permit is obtained within twenty-four (24) hours, exclusive of the property moter.

B. A separate permit must be obtained for a construction pole or a Cast of the provided such as a permit shall be required for each building or structure. The A separate permit shall be required for each building or structure residences and are located on the same premises.

B. Dermits for privately awards conducts or other materials in public

which stands alone; except garages which are accessory to single-family residences and are located on the same premises.

E. Permits for privately-owned conduits or other materials in public garages 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. No permit shall be required for minor work such as repairing toggle or snap-switches, replacing fuses, repairing lump sockets and receptucles, when such work is done in accordance with the provisions of this Article, on the connection of permits shall be required for the replacement of lamps or the connection of pertable appliances to suitable receptacles which have been permanently installed.

C. No permit shall be required for the installation, alteration, or repair of which with a suitable of the provision o

SEC. 92.0203 TEMPOHARY PERIOD 18
If the Building Inspection Director finds that the salety of life and property will not be joapardized, he may issue permits for temporary installations shall be made insome as nearly as practicable in conformance with the requirements of manner as nearly as practicable in conformance with the requirements of this Article for permanent work. The Building Inspection Director may provided that whenever such hazards are deemed to exist, he may stone provided that whenever such hazards are deemed to exist, he may stone reselved or cancel the permit covering such installations and disconnect or order disconnection of all energy to such equipment. Upon the expiration of the time designated therein, the Building Inspection Director may of the time designated therein, the Building Inspection Director may disconnect or order disconnection of all electrical energy authorized by temporary permit. Temporary permits may be issued for the following purposes:

disconnect or order disconnection of all electrical energy authorized by temporary permit. Temporary permits may be issued for the following for the time construction Power. The temporary power authorization shall be a Carnivals. Conventions, Frestivals, Fairs, etc. The power authorization shall be for the time construction is in progress, not to exceed one year.

B. Carnivals. Conventions, Frestivals, Fairs, etc. The power authorization shall be for the time the event is in progress, not to exceed ninely 19(1) days.

C. The Testing of Any Permanent System of Wiring Prior to the Figure 19.

C. The Testing of Any Permanent System of Wiring Prior to the Figure 19.

A. If the work authorized by a permit is not commenced within a period of sixty (60) days after issuance or if the work authorized period of sixty (60) days after issuance or if the work authorized commenced for a period of sixty (60) days.

B. Permits shall expire one (11) vear after the date of issuance unless the permit is issued for a longer period of time.

B. Permits for a period longer than one (1) vear must be requested at the time of application for the original permit. Said permits will be issued for the period of time determined by the Building Inspection Director to the reasonably necessary to complete the work for which a permit is a period of time determined by the Building Inspection Director to the untinished work according to the fee schedule in Diotsice.

ested.

D. An expired permit may be renewed upon payment of a fee to cover autinished work according to the fee schedule in Division 3 of this ofe.

the unfinished work according to the fee schedule in Living and the unfinished work according to the fee schedule in Living Article SEC. 92.0205 INCOMPLETED INSTALLATIONS.

Should may person to whom a permit has been issued quit an inspection of the permit of the stall individual in the Building Inspection of Department within forty-cithi (48) hours and request an inspection of more installed. No person shall resume work on an incompleted installation work installation shall have been approved by the Building Inspection until such installation shall have been approved by the Building Inspection.

Department and necessary permit obtained.

Department and necessary permit obtained.

The permit when issued shall be for such installation as described the application and no deviation shall be made from the installation so the application and no deviation shall be made from the installation of the such as the such installation and the written approval of the Building Inspection discretized without the written approval of the Building Inspection.

the application and no deviation shall be made the Building Inspection described without the written approval of the Building Inspection Director.

SEC, 92,0207 APPLICATION FOR PERMIT

A Application for a permit, describing the work to be done, shall be made in writing to the Building Inspection Director. The application shall be accompanied by such plans, specifications, and schedulis as may be be accompanied by such plans, specifications, and schedulis is may be not accompanied by such plans, specifications, and schedulis is may be conformity with the requirements of this Article. If it shall be found that the installation as described will conform with the requirements of this conformity with the requirements of this conformity and if the applicant has complied with all the provisions of this Article, and if the applicant has complied with all the provisions of this Article, are mit for such installation shall be issued provided, however, and the requirements of this Article, are printed by california State Contractor's Licensing Law.

The provision of the provision of the contractor's Licensing Law.

A permit is may only be obtained by:

A permit is may only be obtained by:

A permit is sued to one person, firm, or corporation shall not allowing any other person, firm, or corporation shall not the pormittee, to do any electric wiring, REQUIRED and the pormittee to do any electric wiring, REQUIRED and the pormittee to do any electric wiring, REQUIRED and the submitted for the following shall be submitted for the following shall be submitted for the following shall commercial and industrial installations.

A Electrical plans shall be submitted for the following types of A. Electrical plans shall be submitted for the following types of A. All commercial and industrial installations.

2. Apartment buildings containing three (3) or more units and having electric heating.

3. Apartment buildings containing four (4) or more units but having no electric heating.

Submitted plans shall show a single line diagram of service, feeders, sommitted plans shall show a single line diagram of service, feeders, submitted plans shall be singled as required by the California II. All submitted plans shall be signed as required by the California State lustiness and Professions Code Division 3.

State lustiness and Professions Code Division 3.

C. All plans required for electrical installations operating in excess of C. All plans required for electrical installations discretical Engineer.

- 4- Ord# 11816 NS

SEC. 92.0303 FEF FOR FAILURE TO OBTAIN PERMIT

In addition to any other penalty provided in this Article for violations thereof, any person who has done any electrical work without a permit as required by this Article, or who has caused any such work to be done without a permit, shall pay a fee of ten dollars [\$10.00] in addition to the regular permit fee for inspection of such work.

SEC. 92.0507 BRANCH CIRCUIT OVERICURRENT PROTECTION

A. Where plug fuses are in use on remodeled or extended wiring for inspection of the property of the shall be replaced with Type. "S" (tamper-resistant) fuses.

B. Whenever there exists evidence of overfusing or fuse tampering the Building Inspection Director shall require the installation of Type. "S' fuses or automatic breakers.

SEC. 92.0518 TRANSFORMERS

A. Location:

1. Closets and rooms housing dry type and askarel-insulated itransformers used for power and lighting shall be ventilated as prescribed for transformer vaults.

2. Transformers installed for the operation of doorbells, chimes, annuclators and similar devices, when placed in-clothes closeds or issimilar locations, shall be placed immediately over the door on the wall for ceiling. They shall be so located that contact with combustile materials cannot be made.

3. Transformers installed in an attic or beneath a building of structure shall be located within two feet (2) of the opening leading into the attic or beneath a building or structure.

When installed on the secondary stope.

R. Overcurrent Protection:

When installed on the secondary stope.

2. Exception: Twenty-five foot taps, NEC 240-21 Exception No. 2.

SEC. 92.050 SPECIAL TEST FOR CONDUITS

When deemed, necessary, the Building Inspection Director may require a test plug to be drawn through each run of conduit, in the presence of an inspector. The foot taps NEC 240-21 Exception Director may require a test plug to be drawn through cach run of conduit, in the presence of an inspector installed underground shall be installed in an approved raceway.

SEC. 92 or fixtures.

B. An approved type of inhibitor shall be used on all nonplated stranded aluminum conductor terminations.

SEC. 92.0518 LIMITATION OF CURRENT UTILIZATION OUTLETS he number of current consuming outlets on one circuit shall not efceed:
A. Four (1) on an appliance circuit.
B. Twelve (12) on a lighting circuit.
BEC. 92,0514 INTERPRETATIONS
The following interpretations apply to the provisions of the 1975
National Electrical Code Indicators. The following interpretations apply to the provisions of the 1975 Mational Electrical Code Indicators.

A 290-72(c) - Service Disconnects at the Nearest Readily Accessible A 290-72(c) - Service Disconnects at the Nearest Readily Accessible Location. This location shall limit the length of survice entrance conductors to a maximum of 25 feet from the point the conductors are enclosed by the building or structure for eighteen inches (18") or more, to the first overcurrent device.

B. 230-2 Exception 3 - Multiple Services by Special Permission. Such special permission may be granted when the services are a minimum of 150 feet measured in a straight line between utility company pull boxes or overhead points of attachment and each service serves a separate area of the building.

C. 336. Nonmetallic Cable in Raceway. Nonmetallic cable may be installed in a raceway where mechanical protection is required when the length of the cable in the raceway does not exceed six feet (8").

D. 230-16 Exception 3 - Spliced Conductors. Except by special permission nonenclosed splices of service entrance conductors will not be approved.

Section 4. This ordinance shall take effect and be in force on the thirtieth day from and after its passage.

Introduced on March 10, 1976.

Passed and adopted by the Council of The City of San Diego on March 24, 1976.

AUTHENTICATED BY:

PETE WILSON,

Mayor of The City of San Diego, California.

EDWARD NIELSEN,

City Clerk of The City of San Diego, California.

By KATHLEEN MARTINEZ, Deputy

(SEAL)

Pub. Apr. 8, 1976