ORDINANCE NO. 260

AN ORDINANCE OF THE COUNTY OF SOLANO, STATE OF CALIFORNIA, ADOPTING THE "STANDARD ELECTRICAL CODE": PROVIDING FOR THE ISSUANCE OF CERTIFICATES OF REGISTRATION AND LICENSING OF ELECTRICAL CONTRACTORS; REGULATING THE INSTALLATION, ARRANGEMENT, ALTERATION, REPAIR, USE AND OPERATION OF ELECTRICAL WIRING, CONNECTIONS, FIXTURES AND OTHER APPLIANCES IN BUILDINGS AND STRUCTURES; PROVIDING FOR THE ISSUANCE OF PERMITS AND REQUIRING FEES THEREFOR; PRESCRIBING PENALTIES FOR VIOLATION OF THE PROVISIONS HEREOF; AND REPEALING ANY AND ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT THEREWITH.

THE BOARD OF SUPERVISORS OF THE COUNTY OF SOLANO, STATE OF CALIFORNIA

DO ORDAIN AS FOLLOWS:

SECTION 1. ADOPTION OF STANDARD ELECTRICAL CODE.

Except as hereinafter otherwise provided, that certain electrical code, three copies of which are on file in the office of the County Clerk of the County of Solano, for use and examination by the public, and which said electrical code is known and designated as the "Standard Electrical Code," 1933 Edition, published by the Pacific Coast Electrical bureau, be and the same is hereby adopted for the unincorporated territory of the County of Solano, and made a part hereof as if fully set out in this ordinance, except as hereinafter otherwise specifically provided, and such code as hereby adopted, and each portion and provision thereof, except as hereinafter otherwise specifically provided, shall be and become the Electrical Code of the said County of Solano, regulating the installation, arrangement, alteration, repair, use and operation of electrical wiring, connections, fixtures, and other electrical appliances, and providing for the issuance of permits and the collection of fees therefor within said County.

Buildings and structures upon agricultural property in units of five (5) acres or more when exterior walls are located at least fifty (50) feet from any property line, are excepted from the operation of this ordinance.

SECTION 2. MEANING OF TERMS.

Whenever any of the following names of terms are used in said Standard Electrical Code or in this ordinance, each such name or term shall be deemed and construed to have the following meaning:

a. "City of ________" or "City" shall mean the County of Solano, or the unincorporated territory of the County of Solano, as the test may require.
b. "City Council" shall mean the Board of Supervisors of the County of Solano.
c. "State of ____" shall mean the State of California.
d. "City Electrical Inspector" shall mean the County Inspector of the County of Solano.

SECTION 3. COUNTY INSPECTOR.

Section 1 of said Standard Electrical Code is hereby changed to read as follows, as adopted by this ordinance:

It shall be unlawful for the County Inspector to engage in the business of the sale, installation or maintenance of electric wiring, electric devices and electric material either directly or indirectly and he shall have no financial interest in any concern engaged in such business at any time while holding office of County Inspector. Any violation of the provisions of this section by said County Inspector shall be sufficient cause for his removal from office and he may be removed for other just cause after a hearing by the Board of Supervisors.
The County Inspector shall keep a complete record of all the transactions of his office.

SECTION 4. DUTIES OF COUNTY INSPECTOR.

The County Inspector shall have supervision of all electrical work in and on all buildings and structures in the County of Solano, and it shall be his duty to enforce all of the provisions of this ordinance and of said Standard Electrical Code and of any other ordinance which is now in effect or which may hereafter be adopted regulating electrical wiring, and for such purpose he shall have the powers of a police officer.

SECTION 5. RE-INSPECTION.

The re-inspection provided for in Section 8 of said Standard Electrical Code shall be made at least once each year, except that periodic inspections of all theaters and motion picture houses shall be made every month as provided in said Section 8.

SECTION 6. LICENSES AND PERMITS REQUIRED.

It shall be unlawful for any person, firm, corporation or political subdivision to do any electrical wiring, as defined in said Standard Electrical Code, within Solano County, without first having procured a license or permit as provided herein.

SECTION 7. EXAMINATIONS.

Except as herein otherwise provided, any person, firm or corporation desiring to engage in the business of electrical wiring within Solano County shall first pass a satisfactory examination before the County Inspector, showing his practical experience, sufficient knowledge and ability to engage in the business of electrical wiring, as prescribed by said Standard Electrical Code. No person shall receive a license as a registered electrician who has not attained the age of twenty-one years.

Every applicant desiring to be examined by the County Inspector for a registered electrical contractor's license shall pay a fee of Two Dollars ($2.00) for each time such applicant takes the examination, which fee shall be paid to the County Inspector who shall deposit the same in the treasury of the County of Solano.

Should an applicant for a registered electrical contractor's license fail to pass the examination given by the County Inspector, he shall not be eligible to take such examination again within a period of three (3) months. An unsuccessful applicant wishing to take the examination again shall make a new application and pay the fee as herein required for the original application.

SECTION 8. RESPONSIBILITY OF ELECTRICIAN, RE-EXAMINATION.

All registered electricians shall be held responsible for the quality of their workmanship and any registered electrician shall be subject to re-examination if the County Inspector, after inspecting his work, is of the opinion that he lacks the necessary ability to do the same in conformity with this ordinance. When the County Inspector orders such re-examination, the electrical license of such registered electrician shall thereupon become suspended and during the suspension for re-examination, it shall be unlawful for him to do electrical work in Solano County. He shall be entitled to such re-examination within ten (10) days from date the same is ordered, and no fee shall be charged therefor.

SECTION 9. REGISTRATION.

Before any person, firm or corporation shall carry on or engage in the business of electrical wiring within Solano County, such person, firm or corporation shall
first register the name and address thereof with the County Inspector together with such other pertinent information as said County Inspector may require.

SECTION 10. ANNUAL LICENSE, FEE AND BOND.

Every person, firm or corporation that engages in the business of electrical wiring or that contracts to do or perform electrical wiring within Solano County shall pay an annual license fee of Fifteen ($15.00) Dollars. Such payment shall be made to the County Inspector, who shall deposit the same in the treasury of the County of Solano not later than the next business day following receipt thereof. Applications for licenses shall be verified and shall be filed with the County Inspector. Upon the filing of a verified application, and after the applicant has successfully passed the examination herein provided for, the County Inspector shall issue a license upon receipt of the fee herein provided for and upon the filing by the applicant of a good and sufficient bond satisfactory to the Board of Supervisors, in the penal sum of Five Hundred Dollars ($500.00) conditioned upon full compliance with the provisions of this ordinance and the faithful performance of all contracts entered into for doing any electrical wiring coming under the provisions of this ordinance.

No license as a registered electrician shall be issued for more than one year. All licenses shall expire one year from date of issue, unless sooner revoked. Upon the expiration of the yearly license, every electrician engaged in the business of electrical wiring within the County of Solano shall within fifteen (15) days again be registered and pay the yearly license fee as provided for in this ordinance.

SECTION 11. REVOCATION OF LICENSE.

In case any person holding a license under the provisions of this ordinance is convicted in a court of competent jurisdiction of any violation of any of the provisions of this ordinance, the County Inspector shall suspend the license of such person so convicted for a period of time not exceeding thirty (30) days. In addition, any license issued under this ordinance by be suspended or permanently revoked by said County Inspector for just cause, after a hearing before the Board of Supervisors and approval by the Board of Supervisors of such suspension or revocation, of which hearing five days' notice shall be given to the accused.

SECTION 12. NON-RESIDENT ELECTRICIANS.

Non-resident electricians doing business within the County of Solano and not having a fixed place of business therein may, in lieu of the examination provided for in this ordinance, receive a certificate of registration on presenting to the County Inspector a certificate or license duly issued by any city, city and county, or county of the State of California, or on giving evidence to the County Inspector of their qualifications for doing the work of registered electricians and, in any case, on paying all fees as herein required.

SECTION 13. PERSON DOING OWN WORK.

Paragraph B of Section 3 of said Standard Electrical Code is hereby changed to read as follows, as adopted by this ordinance:

B. "Special Owner's Permit." Any person desiring to do his own electrical work on his own building and for his own use shall make application to the County Inspector who shall examine such owner. If after said examination, it appears that such owner has had sufficient experience and is sufficiently familiar with all laws and ordinances of Solano County affecting the doing of said electrical work, or that such application may be registered without jeopardizing the public safety, the County Inspector
shall issue to such owner a special owner's authorizing such owner to do electrical wiring in, on or about a building of which he is the owner; provided, however, that no electrical wiring authorized under any such special owner's permit shall be done nor shall the owner holding such permit allow any work to be done thereunder except personally by the owner to whom such permit is issued, or by a member of his immediate family living and residing with him; and if this or any other provision hereof shall be violated by the holder of any such special owner's permit, such permit shall be subject to immediate cancellation by the County Inspector, and the holder thereof shall be liable to the penalties hereinafter provided for violation of this ordinance. A fee of Two Dollars ($2.00) shall be charged for each such special owner's permit issued. Such fees shall be paid to the County Inspector, who shall deposit the same in the treasury of the County of Solano.

SECTION 14. ELECTRICAL INSTALLATION FEES.

Section 9 of said Standard Electrical Code is hereby changed to read as follows, as adopted by this ordinance:

Any person, firm, corporation or political subdivision to whom a permit for doing electrical work has been issued shall pay the fees set forth in this section. Such fees shall be paid to the County Inspector at the time the permit is issued and shall be deposited by him in the treasury of the County of Solano. The said fees are as follows, to wit:

For sockets or outlets at which current is used or controlled which are installed at a distance exceeding 18 inches from each other, each $0.02

For sockets or outlets at which current is used or controlled which are installed at a distance exceeding 18 inches from each other, each $0.05

For each radio outlet $0.05

For each permanent radio antenna $0.05

For each motor of not more than 1/2 H.P. but not more than 2 H.P. $0.25

For each motor of more than 1/2 H.P. but not more than 2 H.P. but not more than 5 H.P. $0.75

For each motor of more than 5 H.P. but not more than 15 H.P. $1.25

For each motor of more than 15 H.P. but not more than 50 H.P. $1.75

For each motor of more than 50 H.P. but not more than 200 H.P. $2.50

For each motor of more than 200 H.P. $5.00

For each generator, each K.W.A. capacity, shall be considered as one H.P. in a motor.

For each motor-generator set the fee charged shall be 50% greater than for the motor alone.

For each temporary motor, the same fee as for moving.

For each moving of motors or generators upon which a final certificate has formerly been issued by the Planning Technician, a fee of 75% of the former fee shall be charged.

For each mercury arc lamp and equipment $1.00

For each projection machine, dissolver, etc $1.00

For each range or heater installation $0.25
For working lights in buildings in course of construction or undergoing repairs, or where temporary lighting is to be used:

<table>
<thead>
<tr>
<th>Lamps or less (100)</th>
<th>Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 lamps or less</td>
<td>$ .50</td>
</tr>
<tr>
<td>101 lamps and not over 300</td>
<td>$ .75</td>
</tr>
<tr>
<td>301 lamps and not over 600</td>
<td>$ 1.00</td>
</tr>
<tr>
<td>601 lamps and not over 1000</td>
<td>$ 2.00</td>
</tr>
<tr>
<td>1001 lamp and over, each lamp</td>
<td>$ .002</td>
</tr>
</tbody>
</table>

For electric sign, 10 lamps or less ................... $ .25

For electric sign, 11 lamps and not over 25 lamps .......... $ .50

For electric sign, 26 lamps and over, each lamp .......... $ .02

For electric sign, luminous gas type, with 1 to 4 transformers ........................................ $ 1.00

For electric sign, luminous gas type, with 50 or more transformers, per transformer ..................... $ .25

For electric welder, per K.V.A. ........................ $ .25

For each mercury arc rectifier and synchronous converter, per K.W. ................................. $ .25

For each extra inspection made necessary by defective workmanship or materials...................... $ 1.00

For the inspection of any electrical equipment for which no fee is herein prescribed there shall be charged a fee of per hour .................................................. $ 2.00

For each electric light fixture.............................. $ .15

**Minimum fee**: ........................................ $ 1.00

When electric light fixtures are hung under a separate contract, it shall be necessary for the contractor therefor to be registered, pay a license fee, obtain a permit and pay fixture inspection fees as set forth in this ordinance. When fixtures are installed as part of the entire electrical contract, it shall not be necessary for the contractor to pay an additional service fee but he must pay the fixture inspection fees as herein provided.

**SECTION 15. EXCEPTIONS AND ADDITIONS AS TO WIRING DETAILS.**

Section 17 of said Standard Electrical Code shall remain unchanged as adopted by this ordinance, except that there are hereby added to the end thereof the following provisions, to wit:

**J.** Armored Cable (known as B-X) may be substituted for concealed knob and tube work with the exception of feeds, sub-feeds and circuits carrying 20 amperes or over. This provision shall apply to new work only.

**K.** Armored Cable (known as B-X) may be substituted for rigid conduit in old buildings that are free from moisture and only by special permission of the County Inspector.

The use of armored cable containing a bare neutral wire is prohibited.

**K.** All apartment houses, stores, office buildings, factory buildings, shops, warehouses and all other commercial buildings must be wired in rigid conduit. Where conditions prevent the use of rigid or flexible conduit in walls or ceilings, in alterations, individual extensions or relocations in such buildings, armored cable may be installed only by special permission of the County Inspector.
SECTION 16. EXCEPTIONS AS TO FIXTURE DETAILS.
Subsection A of Section 16 of said Standard Electrical Code is hereby changed to read as follows, as adopted by this ordinance:

A. Grounded Locations:

Each outlet for fixtures located within reach (5) feet horizontally of eight (8) feet vertically of conducting floors or other conducting objects shall be controlled by wall switches.

Wall switches with five (5) feet of conducting surfaces shall have an insulating plate or cover or shall be permanently and effectively grounded.

SECTION 17. EXCEPTIONS AS TO EMERGENCY CIRCUITS.

Section 20 of said Standard Electrical Code shall remain unchanged, as adopted by this ordinance, except that there is hereby added to the end thereof the following provision, to wit:

All buildings calling for emergency circuits must be wired in rigid conduit and all outlet boxes must be at least four (4) inches square by one and one-half (1½) inches deep.

SECTION 18. ELECTRIC SIGNS

All electric signs shall be erected or installed under the supervision of the County Inspector.

SECTION 19.

Sections 27, 28, 31, 32 and 33 of said Standard Electrical Code are hereby omitted, as said code is adopted by this ordinance.

SECTION 20.

Nothing in this ordinance shall conflict with rules and regulations adopted by any power company doing business in the County of Solano, which said rules and regulations have been or shall hereafter be approved by the Railroad Commission of the State of California, particularly such rules and regulations as pertain to the location of meters and the construction and maintenance of pole lines.

SECTION 21. PENALTIES FOR VIOLATION.

It shall be unlawful for any person, firm or corporation to do any electrical wiring or engage in the business of electrical wiring, as defined in this ordinance, contrary to and in violation of any provision of this ordinance or of said Standard Electrical Code, or to cause, permit or suffer the same to be done.

Any person, firm or corporation violating or causing or permitting to be violated any provision of this ordinance or of said Standard Electrical Code shall be deemed to be guilty of a misdemeanor and each such person, firm or corporation shall be deemed to be guilty of a separate offense for each and every day or portion thereof during which any violation of any such provision is committed, continued or permitted, and upon conviction thereof shall be punishable by a fine of not more than Five Hundred Dollars ($500.00), or by imprisonment in the County Jail of the County of Solano, State of California, for not more than six (6) months or by both such fine and imprisonment.

SECTION 22. VALIDITY.

If any section, sub-section, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this ordinance. The Board of Supervisors of the County of Solano hereby declares that it would have passed this ordinance and each section, sub-section, sentence, clause and phrase thereof, irrespective
of the fact that any one or more sections, sub-sections, sentences, clauses or phrases be declared unconstitutional.

SECTION 23. REPEALING.

All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 24.

This ordinance shall be published once on or before the eighth day from and after its passage, in Dixon Tribune, a newspaper of general circulation, printed, published and circulated in the County of Solano, and shall take effect and be in full force and effect from and after thirty (30) days after its passage.

DAN FOLEY
Chairman of the Board of Supervisors of the County of Solano, State of California.

ATTEST:

LEWIS MORRILL
County Clerk and ex officio Clerk of said Board.

I, LEWIS MORRILL, County Clerk of the County of Solano, State of California, and ex officio Clerk of the Board of Supervisors of said County, hereby certify that the above and foregoing ordinance was regularly introduced, passed and adopted at a regular session of said Board held on the 21st of August 1944, by the following vote:

AYES: Supervisors Brown, O'Grady, Rule, Schmeiser and Foley

NOES: NONE

ABSENT: NONE

WITNESS by hand and the Seal of said Board this 21st day of August 1944.

LEWIS MORRILL
CLERK