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The regular meeting of the City Council was held in the Council Chamber, City Hall, at 4:00 o'clock P. M., Wednesday, July 6, 1938, with Mayor Douglas presiding and Councilmen Albea, Baxter, Durham, Griswold, Hovis, Hudson, Huntley, Little, Nance and Sides present.

Absent: Councilman Wilkinson.

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READING OF MINUTES POSTPONED.

On motion of Councilman Hovis, seconded by Councilman Baxter the reading of the minutes of June 29th. meeting was postponed at this time.

REQUEST FOR ASSISTANCE IN ESTABLISHING AN OPTOMETRIC CLINIC.

Dr. J. A. Palmer, optometrist, appeared before the Council, asking assistance in establishing an optometric clinic; Dr. Palmer stating that he had appeared before the Board of County Commissioners, who had discussed the matter and decided that it was a matter for the City and County to go into jointly. Dr. Palmer stated that space was needed to carry on the activities if the clinic was established and pointed out the need of such work in Charlotte. He asked that a special committee from the Council be appointed to meet with a like committee from the Board of County Commissioners to discuss the matter. After hearing Dr. Palmer, Councilman Hudson, seconded by Councilman Albea, moved that the matter be referred to the Health Committee, who would meet with the committee from the County.

GROCCERS ASSOCIATIONS ASKING THAT PEDDLERS ORDINANCE BE AMENDED.

Mr. J. B. Vogler, Secretary of the Charlotte Retail Grocers' Association, appeared before the Council, asking amendment of the present ordinance regarding the peddling of fruits and vegetables from trucks on the city streets, the present ordinance limiting the time of such trucks in one block to one hour and Mr. Vogler asking that it be changed to limit the time to ten minutes. Mr. N. B. Sinclair, President of the Independent Grocers' Association, also voiced the desire of local grocers to have this change made in the ordinance.

Councilman Hudson suggested that the present ordinance, limiting the time to one hour, be enforced for one week and that the present ordinance be redrafted and presented at the next meeting. Councilman Hovis suggested that this amendment include the sale of flowers on the streets also.

The City Attorney called attention to the ordinance adopted in 1928, which prohibits the peddling from trucks in the congested business district, and also to an ordinance adopted in 1932, which prohibits the peddling of merchandise longer than sixty minutes in any one block, stating that these two ordinances should be combined.

On motion of Councilman Hudson, seconded by Councilman Sides, the present law is to be enforced during the coming week and a new ordinance drawn up and presented at the next meeting. The Mayor asked Councilmen Hudson and Hovis to confer with the City Attorney in the drafting of this ordinance.

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CLAIM OF PEARL VIRGINIA HUDSON PRESENTED.

Attorney H. L. Strickland presented to the Council a claim of his client, Pearl Virginia Hudson, against the City of Charlotte, in the amount of \$1,000.00, for injuries alleged to have been sustained by her on June 21, 1938 at East 6th. Street. This matter was referred to the City Attorney.

RESOLUTION ADOPTED BY CHARLOTTE INSURANCE EXCHANGE PRESENTED BY ATTORNEY STANCILL TO THE COUNCIL REGARDING THE CITY'S INSURANCE.

Attorney J. Clyde Stancill, representing the Charlotte Insurance Exchange, appeared before the Council and presented a resolution adopted by the Exchange with reference to the handling of fire insurance for the City of Charlotte, stating that the City Treasurer had requested that all insurance business of the City be handled through the Exchange, which the companies not members of the Exchange felt was an unjust discrimination against them. It was explained to Mr. Stancill that the City's action, when placing it's insurance for the year, did not limit the business to the Exchange but that the insurance be given to the local insurance agents of Charlotte and that the distribution be handled by a committee of three insurance men, two appointed from stock companies and one from mutual companies, whose duty it would be to pro rate the insurance on a premium basis between the stock and mutual companies, and that the request of the Treasurer merely applied to the members of the Exchange in presenting bills for premiums, etc.

It was suggested to Mr. Stancill that he confer with the committee who handled the insurance to get the matter straightened out to the satisfaction of all the insurance companies.

REQUEST TO PLACE TRASH RECEPTACLES ON THE STREETS.

A young man appeared and requested permission to place garbage or waste baskets on the streets for advertising purposes, and he was told to take the matter up with the City Manager, who handles such matters.

CONTRACT FOR GASOLINE AND MOTOR OIL.

The City Manager reported that bids had been received on a twelve (12) months supply of Gasoline and Motor Oil, and that the Standard Oil Company of N. J. was the low bidder on both. It was, therefore, moved by Councilman Hovis, seconded by Councilman Huntley and unanimously carried, that contract be awarded to the Standard Oil Company on the prices submitted and that the Mayor and Clerk sign the contracts.

The bids received were as follows:

STANDARD OIL COMPANY OF N.J.

20,000 Gals. Grade "AA Gasoline- Tank Wagon Delivery	@ .1503	\$3,006.00
150,000 " " " " - Tank car "	.146	21,900.00
2,000 " High Octane	.1703	340.60
TOTAL DELIVERED PRICE		\$ 25,246.60

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5,000 Gals. Motor Oil		
S.A.E.	20 In Drums	@ .26
	20 " Bulk	.26
	30 " Drums	.26
	30 " Bulk	.26
	40 " Drums	.26
	40 " Bulk	.26
	50 " Drums	.26
	50 " Bulk	.26
	60 " Drums	.26
	60 " Bulk	.26

1% cash 10 days.

THE TEXAS COMPANY

20,000 Gals. Grade "A" Gasoline-	Tank Wagon Delivery	@ .1535	\$ 3,070.00
150,000 " " " "	Tank Car	.1505	22,575.00
2,000 " High Octane "		.1735	347.00
TOTAL DELIVERED PRICE			<u>\$25,992.00</u>

5,000 Gals. Motor Oil		
S.A.E.	20 In Drums	@ .40
	20 " Bulk	.38
	30 " Drums	.40
	30 " Bulk	.38
	40 " Drums	.40
	40 " Bulk	.38
	50 " Drums	.40
	50 " Bulk	.38
	60 " Drums	.40
	60 " Bulk	.38

1% cash 10 days

THE ATLANTIC REFINING COMPANY

20,000 Gals. Grade "A" Gasoline-	Tank Wagon Delivery	@ .1565	\$ 3,130.00
150,000 " " " "	Tank Car	.1515	22,725.00
2,000 " High Octane "		.1765	353.00
			<u>26,208.00</u>

5,000 Gals Motor Oil		
S.A.E.	20 In Drums	.33
	20 " Bulk	.28
	30 " Drums	.33
	30 " Bulk	.28
	40 " Drums	.39
	40 " Bulk	.34
	50 " Drums	.41
	50 " Bulk	.36
	60 " Drums	.45
	60 " Bulk	.40

1% cash 10 days.

WM. C. ROBINSON & SON OIL COMPANY

5,000 Gals. Motor Oil		
S.A.E.	20 In Drums	@ .26
	20 " Bulk	.23
	30 " Drums	.28
	30 " Bulk	.25
	40 " Drums	.30
	40 " Bulk	.27
	50 " Drums	.33
	50 " Bulk	.30
	60 " Drums	.35
	60 " Bulk	.32

1% cash 10 days.

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CONTRACT FOR GATE VALVES.

On motion of Councilman Huntley, seconded by Councilman Sides, the Mayor and Clerk were authorized to sign contract with Boyd & Goforth, Inc. for the purchase of 45- 6" and 2- 12" Gate Valves for use in the water system, at a total delivered price of \$930.00.

Bids received on this equipment were as follows:

Boyd and Goforth, Inc.	\$920.00
Crane Company	978.30
Grinnell Company, Inc.	994.60
Chapman Valve Mfg. Co.	1074.00

SEWER ON EAST 36TH. STREET.

On motion of Councilman Albea, seconded by Councilman Hovis, the construction of a sewer on East 36th. Street, to serve one house, and estimated by the Engineering Department to cost \$196.00, was approved.

RIGHT-OF-WAY AGREEMENT WITH SEABOARD AIR LINE RAILWAY COMPANY AUTHORIZED.

The following resolution was offered by Councilman Albea and seconded by Councilman Hovis and upon being put to vote was unanimously carried:

"Whereas, that improvement designated by the State Highway and Public Works Commission as Project No. 6509, is considered to be the most necessary improvement in the highway system in the corporate limits of said municipality, for the promotion of public safety and convenience:

'Now, Therefore, Be It Resolved that the above Project #6509 be and is hereby formally approved by the ~~Burden~~ City Council of the said municipality, and that the Mayor and Clerk of the said municipality be and are hereby empowered to sign and execute the required agreements between the said municipality and the State Highway and Public Works Commission."

This standard form agreement covers the construction of the underpass at the Seaboard Air Line Railway Company and North Tryon Street.

SPECIAL OFFICER PERMIT ISSUED TO T. A. FERRELL.

Upon application of Oaklawn Cemetery, by J. J. Misenheimer, and on motion of Councilman Hudson, seconded by Councilman Nance, Mr. T. A. Ferrell, night watchman at the Cemetery, was appointed as a special officer of those premises. This appointment had the approval of the Chief of Police.

BARRICADE OF PORTION OF COLVILLE ROAD.

A letter from E. C. Griffith Company, requesting permission to barricade a portion of Colville Road, from Scotland Avenue to Cherokee Road, not under City maintenance, was presented and after discussion, Councilman Sides moved that this company use its own discretion regarding the matter. Motion seconded by Councilman Huntley and unanimously carried.

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SALE OF OLD STANDPIPE AT 5TH. AND GRAHAM STREETS.

On motion of Councilman Albea, seconded by Councilman Huntley, the bid of Mr. A. C. Kennedy for the purchase and removal of the old Standpipe at 5th. and Graham Streets, at the price of \$400.00, was accepted; Mr. Kennedy to dismantle and remove it from the premises at his own expense.

REQUEST THAT CITY PURCHASE RIGHT OF WAYS FOR CHANGE IN SEWER DUE TO DRAINAGE OF CREEKS BY MECKLENBURG DRAINAGE COMMISSION REFUSED.

Mr. Marshall reported that he had received a letter from Mr. Carol Taliferro, Attorney for the Mecklenburg Drainage Commission, requesting that the City obtain the necessary rights-of-way for the change of sewer due to the straightening out of a curve in Irwin Creek. Under the agreement entered into some time ago the City agreed to make whatever alterations were necessary in its sewer and water lines due to the drainage of the creeks but no provision was made for rights-of-way. Mr. Marshall advised that the rights-of-way necessary in the above change would probably cost about \$1,000.00, for which no provision was made, and after discussion by the Council, Councilman Baxter moved that the request be denied, which motion was seconded by Councilman Sides and unanimously carried.

TAXICAB ORDINANCE ADOPTED ON TWO READINGS.

A large delegation of dime taxicab men, headed by Mr. Beatty, of Beatty Bros. Service Stations, appeared before the Council, stating that the dime taxicabs had been unable to secure insurance and that they would like to have the Council reconsider the ordinance offered some time ago which would enable them to operate and at the same time afford protection to the public. Mr. Beatty stated that if permitted to operate again, the handling of the taxicabs would be different than in the past and would cause no further trouble.

Councilman Hudson moved that the ordinance be read again at this time, which was done by City Attorney Boyd, as follows:

AN ORDINANCE  
TO AMEND THAT CERTAIN ORDINANCE ADOPTED  
SEPTEMBER 2, 1936 AND RECORDED IN ORDI-  
NANCE BOOK 7 AT PAGES 320 AND 321 IN THE  
OFFICE OF THE CITY CLERK RELATIVE TO  
LIABILITY INSURANCE, SURETY BONDS OR  
CASH DEPOSITS FOR TAXICAB OPERATORS AND  
PROVIDING FOR BONDSMEN.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHARLOTTE:

Section 1: That that certain ordinance adopted September 2, 1936, and recorded in Ordinance Book 7 at pages 320 and 321 in the office of the City Clerk, entitled:

"AN ORDINANCE TO REQUIRE  
JITNEY BUS AND TAXICAB OPERATORS CARRYING  
PASSENGERS FOR HIRE WITHIN THE CITY OF  
CHARLOTTE TO TAKE OUT AND CARRY LIABILITY  
INSURANCE OR PROVIDE SURETY BONDS OR MAKE  
A DEPOSIT OF SECURITIES WITH THE TREASURER  
OF THE CITY OF CHARLOTTE"

be amended by adding thereto the following Section to be known as Section 2. (The original Section 2 of the said Ordinance having heretofore been repealed.)

Section 2: That in lieu of policy or policies of insurance

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or surety bond or bonds as provided in Section 1 hereof, any person, firm or corporation desiring to operate taxicabs for hire in the City of Charlotte as a condition precedent to such operation, may deposit with the Treasurer of the City of Charlotte cash, or securities approved by the Council, in the sum of \$5500.00 for the first vehicle or taxicab so operated and increase this amount \$100.00 for each additional taxicab so operated, conditioned for the guaranty of the payment of any final judgment secured as the result of injury or damage on account of the operation of said car, no matter by whom operated or driven at the time, for injury or damage caused by negligence of such owner, or operator or driver to any one person in any one accident not to exceed \$2500.00, and to two or more persons in any one accident not to exceed the sum of \$5000.00, and for property damage caused by negligence of such owner, operator or driver not to exceed \$500.00; persons, firms or corporations desiring to act as bondsmen and deposit the cash bond herein referred to, may do so on the same basis of deposit as aboveset forth for others who desire to operate taxicab or taxicabs under this Section, provided; such person, firm or corporation desiring to make the cash bond deposit for other persons shall adopt a trade name for the taxicabs which they are to bond and require this Trade Name to be printed on each side of each such taxicab, before operation and furnish a list each fifteen days, or whenever a change occurs, to the Chief of Police and the City Treasurer, giving the name of the owner of the car to be bonded, the make and model of the car, the motor number, State license number, and the driver of each car; on each side of each such car shall be printed, under the Trade Name adopted, these words: "Bonded by ( Insert Name ) under Charlotte Taxi Ordinance", such list so required and furnished shall be for information only, and shall determine the total bond sum to be deposited as provided above; provided further that such bondsman shall be liable on his or its bond so deposited for the payment of any such final judgment secured as the result of the negligent operation of any such taxicab by any person whether the name of the owner, operator, driver or lessee appear upon said list or not, and this deposit shall be kept up to the maximum amount required at all times.

Sub-Section 2-A: Every person or corporation desiring to deposit the cash bond for one or more persons operating taxicabs as above provided, shall accompany the said deposit with an agreement as follows, which agreement shall be a part of this ordinance:

"The undersigned having deposited money or securities under ordinance of September 2, 1936, relating to taxicabs, or the amendment thereto of July , 1938, as a cash surety bond for certain taxicab owners and drivers does hereby agree that such deposit is made to guarantee the payment of any final judgment secured as the result of negligence against the owner, operator, driver or lessee of any taxicab bonded by the undersigned, said judgment to be paid out of said funds under the terms of this ordinance and the undersigned adopts the Trade Name (Insert Name) for the purpose only of insuring ~~him~~ and complying with the ordinance of the City of Charlotte relative to taxicabs, and hereby consents and agrees that the said City Treasurer shall pay any final judgment within the terms of said ordinance, secured against the driver, operator, lessee or owner or either one, as the result of the operation of an automobile on the streets of Charlotte bearing said trade name and the undersigned's name as bondsman as provided in said ordinance, no matter by whom the particular car was operated at the time; and further agrees that such deposit shall remain with said City Treasurer until a final determination by judgment or otherwise, of all claims arising as the result of the operation in the City of Charlotte of any such motor vehicle under said ordinance, or amendments.

This the \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_.

JOHN DOE COMPANY, INC.

Signature By: \_\_\_\_\_  
(Official Title)"

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Sub-Section 2-B: That prior to the operation of any such taxicab in the City of Charlotte under this section and sub-sections, there shall be placed on each side of each such automobile proposed to be operated as a taxicab if the taxicab is owned by the bondsman, these words: "Owned and Bonded By (Name)"; if the taxicab is bonded by a person or corporation other than the owner then these words under the adopted Trade Name- "Bonded by (Name of Bondsman) under Charlotte Taxi Ordinance"; and in addition thereto and as a further condition precedent to the driving of any taxicab in the City of Charlotte under this Section and Sub-Sections, every such driver shall provide himself with a card to be visibly displayed in said car on which shall be his photograph, his name and cab number and printed thereon these words: "Bonded by (Name of Bondsman) under Charlotte Taxi Ordinance" underneath which must be the signature of the person or corporation depositing the cash bond under which the particular driver is operating and it shall be unlawful for any person to operate or drive a taxicab on the streets of Charlotte for hire under this Section without this card being visibly displayed in the automobile at the time of operation; and without that person being bonded as provided in this Ordinance; provided that such failure on the part of the driver at the time to comply with this provision shall not be pleaded by the bondsman as a defense to liability on his or its bond.

Sub-Section 2-C: In the case of those persons, firms or corporations which have heretofore deposited funds or securities under the said ordinance of September 2, 1936, such funds and securities shall be considered and taken as a deposit under the terms and conditions of this amending section and sub-sections, provided such person, firm or corporation executed and delivers to the City Treasurer the agreement under Sub-Section 2-A hereof before the effective date of this ordinance.

Sub-Section 2-D: Any person or corporation depositing said bond or securities as herein provided, whether for himself or itself as owner and operator, or for others, contracts and agrees by making such deposit that the same shall cover any owner, driver, operator or lessee of any automobile upon which the bondsman's name appears at the time, no matter by whom driven, if the injury or damage on which any final judgment is obtained, occurred inside the City limits of Charlotte, even though the driver, or owner or operator or lessee was under contract to carry passengers to some point outside of the City.

Sub-Section 2-E: That all other provisions and sections of the ordinance of September 2, 1936 shall remain in full force and effect and the penalty for violation thereof shall apply to this Section 2 and Sub-sections.

Sub-Section 2-F: That this amendment shall become effective midnight July 7, 1938 and shall be published in The Charlotte News and The Charlotte Observer one time at least.

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Councilman Sides stated that he felt that the taxicabs should be designated by certain colors and that the drivers should have a particular type of uniform. Mr. Boyd advised that he did not think that the Council could legislate those points but that the taxicab operators could agree to those suggestions without it being contained in the ordinance. Mr. Beatty stated that they would be willing to agree to those suggestions, and it was also agreed that the numbers of the taxicabs would be painted on the backs as well as sides of the cars.

Councilman Hudson, seconded by Councilman Albea, moved the adoption of the aboven ordinance on first reading, and the following vote was taken on first reading:

Aye: Councilmen Hudson, Albea, Sides, Nanee and Little.  
No : Councilmen Baxter, Durham, Hovis, Huntley and Griswold.  
This being a tie, the Chair voted "AYE".

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Councilman Hudson, seconded by Councilman Albea, then moved that the rules be suspended and the ordinance placed on second reading. The following vote was recorded on second reading:

Aye: Councilmen Hudson, Albea, Sides, Nance and Little.  
Nay: Councilmen Baxter, Durham, Hovis, Huntley and Griswold.  
The Chair then voted "AYE".

The ordinance was not placed on third reading at this meeting

CEMETERY DEEDS.

On motion of Councilman Albea, seconded by Councilman Durham, the following cemetery deeds were approved:

W. T. Gilbert, West Half Lot No. 37-C, "D Annex", Elmwood Cemetery	\$31.73
W. A. Little, Lot No. 64, Section "Y"	58.80
J. W. Hill, West Half Lot No. 324, Section "U"	35.00
Herman Elm, Lot No. 77, Section "Y"	35.00
Oliver and Laura Martin, Lot No. 1, Section "F", West Pinewood	68.00

ELECTRICAL ORDINANCE ADOPTED.

The newly revised Electric Ordinance was presented at this time and on motion of Councilman Albea, seconded by Councilman Huntley, was adopted on three readings, with Councilman Nance voting "No" on each reading.

This ordinance reads as follows:

(SEE OPPOSITE PAGES)

ADJOURNMENT.

After the reading of the following ordinance, Councilman Huntley, seconded by Councilman Griswold, moved that the meeting adjourn, which motion carried unanimously.

*Alice B. McCusell*  
City Clerk



ELECTRICAL ORDINANCEUNIFORM ELECTRICAL CODE  
of the  
CITY OF CHARLOTTE

CORRY

## TITLE

AN ORDINANCE FOR SAFEGUARDING LIFE AND PROPERTY BY REGULATING, AND PROVIDING FOR THE INSPECTION OF, ELECTRIC WIRING, DEVICES, APPLIANCES AND EQUIPMENT; CREATING AN ELECTRICAL ADVISORY BOARD AND THE OFFICE OF ELECTRICAL INSPECTOR; TO PRESCRIBE THE DUTIES AND AUTHORITY OF THE ADVISORY BOARD AND ELECTRICAL INSPECTOR; REQUIRING THAT NO ELECTRIC WIRING, DEVICES, APPLIANCES OR EQUIPMENT SHALL BE INSTALLED WITHOUT FIRST SECURING A PERMIT THEREFOR; PROVIDING PENALTIES FOR THE VIOLATION OF THIS ORDINANCE AND REPEALING ALL ORDINANCES AND PARTS OF ORDINANCES IN CONFLICT WITH THE PROVISIONS OF THIS ORDINANCE.

The City Council of Charlotte ordains as follows:

## SECTION 1. ELECTRICAL ADVISORY BOARD -- Appointment and Duties:

An Electrical Advisory Board shall be appointed by the City Manager. The Board shall consist of five members, serving for a term of one, two, three and four years respectively; one a representative of the Public Utility Company, one a representative of an Electrical Contracting Firm holding a master certificate, one a Licensed Architect, one a representative of the Electrical Workers holding a journeyman's certificate. The City Electrical Inspector by virtue of his position shall be a member of this Board and shall also be named as Secretary-Treasurer of said Board. Three members of the Board shall constitute a quorum at meetings thereof but it shall require the affirmative vote of a majority of all the Board to license a candidate. Members of the Electrical Advisory Board shall be citizens of residence in the City of Charlotte.

It shall be the duty of the Electrical Advisory Board to furnish information pertaining to all electrical matters when called upon by the City Governing Body or its authorized representative. The Board shall review and consider qualifications of applicants for the position of Electrical Inspector or Assistant Inspectors and make such recommendations to the City Manager and to the City Council for appointment. The Secretary-Treasurer of the Board shall keep a record in his office of all meetings of the Board and shall account to the Board for all fees collected and dispersed, or any other records as may be instructed by the Board.

It shall further be the duty of the Electrical Advisory Board to receive all applications for licenses filed by persons, or representatives of firms or corporations seeking to enter upon or continue in the business of electrical installations within the City of Charlotte, as such business is hereinafter defined, and upon qualification of such applicant to issue the license applied for; to prescribe the conditions of examination of, and subject to the provisions of this Ordinance to give examinations to all persons who are under the provisions of this Ordinance required to take such examination.

The Electrical Advisory Board shall formulate rules to govern its actions and may take testimony and proof concerning all matters within its jurisdiction. Before entering upon the performance of their duties, each member of the Board shall take and file with the City Clerk an oath in writing to properly perform the duties of his office as a member of said Board and to uphold the Charter of the City of Charlotte, the Constitution of the State of North Carolina and the Constitution of the United States.

## SECTION 2. ELECTRICAL INSPECTOR -- Qualifications and Appointment.

There is hereby created the office of Electrical Inspector. The person chosen to fill the office of Electrical Inspector shall be a competent electrician of good moral character, shall be possessed of such executive ability as is required for the faithful performance of his duties and shall have a thorough knowledge of the standard materials and methods used in the installation of electric wiring, devices, appliances and equipment; shall be well versed in approved methods of electrical construction for safety to life and

property, the Statutes of the State of North Carolina relating to electrical work, the rules and regulations issued under the authority of the statutes, the National Electrical Code, as approved by the American Association and the National Electrical Safety Code, as approved by the American Standards Association.

The Electrical Inspector and Assistant Electrical Inspectors shall be recommended to the City Manager and the City Council by the Electrical Advisory Board for appointment.

The salary to be paid to the Electrical Inspector and his assistants shall be determined by the City Council and City Manager. Before entering upon the discharge of their duties, they shall file a bond in the sum of \$1,000.00 Dollars payable to the City of Charlotte, said bond to be approved by the City Council or City Manager and conditioned upon the faithful performance of his duties. The Electrical Inspector shall also take and subscribe an oath, which together with the certificate of his appointment, shall be filed with the City Clerk. They shall be removed from office only by the City Council or City Manager, for cause only after a full hearing by the Electrical Advisory Board. Any violation of the provisions of any section of this ordinance by the Electrical Inspector shall be sufficient cause for this removal from office, but he may be removed for other just cause.

### SECTION 3. DUTIES OF THE ELECTRICAL INSPECTOR.

It shall be the duty of the Electrical Inspector to see that the provisions of this Ordinance are enforced, and to enforce within the City of Charlotte the Statutes of the State of North Carolina relating to the installation and sale of electric wiring, devices, appliances and equipment; and licensing of electrical contractors by the State. He shall upon application grant permits for the installation or alteration of electric wiring, devices, appliances and equipment, and shall make inspections of all new electrical installations and reinspections of all electrical installations. He shall keep complete records of all permits issued, inspections and reinspections made and other official work performed in accordance with the provisions of this Ordinance. He shall also keep on file a list of inspected electrical appliances issued by or for public reference.

It shall be unlawful for the Electrical Inspector or any of his assistants to engage in the business of the sale, installation or maintenance of electric wiring, devices, appliances or equipment, either directly or indirectly, and they shall have no financial interest in any concern engaged in such business in the City of Charlotte at any time while holding such office as herein provided for.

### SECTION 4. AUTHORITY GRANTED TO ELECTRICAL INSPECTOR.

The Electrical Inspector shall have the right during reasonable hours to make an inspection of any building in the discharge of his official duties, or for the purpose of making any inspection, reinspection or test of the installation of electric wiring, devices, appliances and equipment contained therein, and shall have the authority to cut or disconnect any wire in cases of emergency where necessary for safety to life or property, or where such wire may interfere with the work of the fire department. Said Electrical Inspector is hereby authorized to disconnect or order the discontinuance of electric service to any electric wiring, devices, appliances or equipment found to be dangerous to life or property because they are defective or defectively installed until such wiring, devices, appliances or equipment and their installation have been made safe and approved by said Electrical Inspector.

The Electrical Inspector may delegate any of his powers or duties to any of his assistants.

### SECTION 4 a. COMPETENCE OF ELECTRICAL CONTRACTOR.

Before any person, firm or corporation shall be issued a license to do electrical contracting or conduct an electrical business or supervise any electrical work in any building in the City of Charlotte, North Carolina he or his authorized representative must first appear before the City Electrical Inspector and Electrical Advisory Board and obtain a certificate as a master electrician in the way and manner hereinafter provided.

No person shall supervise any electrical installation in any building or construction in the City of Charlotte unless that person has appeared before the Electrical Advisory Board and proved his competency to perform the duties which he is undertaking in conformity with the provisions of this Ordinance and shall have been issued a certificate qualifying such person. There shall be such a person so certified on each and every job of electrical installation in any building or construction at all times during such period as the Electrical installation is being made. Persons not having qualified shall not at any time be left alone on the job.

SECTION 4b. BOND REQUIREMENTS.

Each person, firm or corporation desiring to engage in the business of electric construction, installing, maintaining, altering or repairing within the City of Charlotte, any electric wiring, devices, appliances or equipment, for which a permit is now or may hereafter be required by the City of Charlotte, shall give bond in the sum of One Thousand (\$1,000.00) Dollars, to insure faithful performance of duty and payment of permit and inspection fees by the 10th of the month following the issuance of permit and guarantee the City of Charlotte against loss resulting from defective workmanship.

SECTION 4c. QUALIFICATIONS.

Before a license is granted to any applicant, and before any expiring license is renewed, the applicant shall pay to the Secretary of the Electrical Advisory Board a fee in such amount, as is herein specified for the license to be granted or renewed as follows:

Any person, firm or corporation desiring to qualify for a certificate as specified below shall make application therefor in writing, accompanied by the proper fees, to the Secretary of the Electrical Advisory Board and qualify by examination or otherwise as may be required on each and every job of electrical installation in any building or construction at all times during such period as the Electrical installation is being made. Persons not having qualified shall not at any time be left alone on the job.

Master Electrician's Certificate... . . . . . \$25.00  
 This certificate qualifies a person, a person of a firm or corporation to engage in the installation of any electrical wiring, devices, appliances or equipment.

Journeyman's Certificate... . . . . . \$5.00  
 This certificate qualifies a person to work under the supervision of a master electrician, and as now or may hereafter be required by the City of Charlotte, shall give bond in the sum of One Thousand (\$1,000.00) Dollars, to insure faithful performance of duty and payment of permit and inspection fees by the 10th of the month following the issuance of permit and guarantee the City of Charlotte against loss resulting from defective workmanship.

Maintenance Electrician's Certificate... . . . . . \$5.00  
 This certificate qualifies a person as a maintenance electrician that he may be employed by a qualified person, firm or corporation for the sole purpose of maintaining or repairing of electrical wiring, devices, appliances or equipment used for the conducting of the business of said person, firm or corporation.

Before a license is granted to any applicant, and before any expiring license is renewed, the applicant shall pay to the Secretary of the Electrical Advisory Board a fee in such amount, as is herein specified for the license to be granted or renewed as follows:

Maintenance Certificate... . . . . . \$ 5.00  
 This certificate permits a person, firm or corporation to employ a qualified maintenance electrician for the sole purpose of maintaining or repairing of existing electrical wiring, devices, appliances or equipment necessary for conducting of the business of the said person, firm or corporation. This certificate does not allow alteration or addition to any existing electrical system of wiring.

Electrician's Certificate... . . . . . \$25.00  
 This certificate qualifies a person, a person of a firm or corporation to engage in the installation of any electrical wiring, devices, appliances or equipment.

Renewals for all certificates per year... . . . . . \$ .50

An applicant who fails in his examination shall not have his fee returned to him, but after a period of ninety days shall have elapsed he shall be entitled to re-examination which shall be given free of charge.

SECTION 4d. PENALTY FOR VIOLATION OF LICENSE OR CERTIFICATE.

No license or certificate issued in accordance with the provisions of this ordinance shall be assignable or transferable. Any

such license or certificate may, after hearing before the Electrical Advisory Board, be suspended for a definite length of time or revoked by the said Board, if the person, firm or corporation holding such license or certificate shall wilfully, or by reason of incompetence violate any of the provisions of this Ordinance or the Statutes of the State of North Carolina, relating to the installation, maintenance, alteration or repair of electric wiring, devices, appliances or equipment.

#### SECTION 5. PERMITS -- APPLICATION FOR A PERMIT TO DO ELECTRICAL WORK

No electric wiring, devices, appliances or equipment shall be installed within or on any building, structure or premises, nor shall any alteration or addition be made in any such existing wiring, devices, appliances or equipment without first securing a permit therefor from the Electrical Inspector, except as stated in the following paragraphs.

1. Application for permit, describing the work to be done, shall be made in writing to the Electrical Inspector by the person, firm or corporation installing the work. The application shall state the name and address of the person, firm or corporation for whom or for which the work is to be done, and shall be accompanied by such plans, specifications and schedules as may be necessary to determine whether the installation as described will be in conformity with the requirements of this Ordinance. If it shall be found that the installation as described will in general conform with the requirements of this Ordinance, 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 Ordinance.

2. The permit when issued shall be for such installation as is described in the application and no deviation shall be made from the installation so described without the written approval of the Electrical Inspector.

3. In lieu of an individual permit an annual permit shall upon application therefor be issued to any person, firm or corporation regularly employing one or more maintenance electricians for the maintenance of electrical wiring, devices, appliances and equipment on the premises occupied by the applicant for the permit. The application for such annual permit shall be made in writing to the Electrical Inspector and shall contain a description of the premises within which such maintenance work is to be done under the permit. The person, firm or corporation to which an annual permit is issued shall be entitled to periodical inspection or special inspection upon request. Each annual permit shall expire on December of the year in which it was issued.

4. No permit shall be required for the replacement of lamps or the connection of portable devices to suitable receptacles which have been permanently installed.

5. No permit shall be required for the installation, alteration or repair of wiring, devices, appliances or equipment for the operation of signals or the transmission of intelligence, where such wiring, devices, appliances or equipment operate at a voltage not exceeding 50 volts between conductors and do not include generating or transforming equipment capable of supplying more than 100 watts of energy.

6. No permit shall be required of public service corporations for the installation of equipment necessary in the generation, transmission and distribution of electrical energy.

7. No permit for the installation or alteration of any electric wiring, devices, appliances or equipment shall be issued to any person, firm or corporation unless such person, firm or corporation is the holder of an Electrical Contractor's License in the City of Charlotte and of an Electrical Contractor's License issued by the North Carolina State Board of Examiners of Electrical Contractors, except permits that may be granted to person, firm or corporation who have properly qualified as referred to in Section 4-C.

8. That any person, firm or corporation, failing to correct any defect or defects within forty-eight hours after having been



connection to the source of supply, and shall send written notice of such authorization to the electrical utility furnishing the electric service. The Inspector shall also send a copy of the certificate to the owner or occupant of the building.

Additional inspections, or inspection trips, made by the City Electrical Inspector, or his assistant, made necessary through the failure of any electrical contractor in charge of the work to specify location of the work, or failure to install wiring or apparatus in proper manner, or to otherwise create conditions making such additional inspections or trips necessary, are hereby designated "Extra Electrical Inspections".

For each such "Extra Electrical Inspection" a fee of \$2.00 shall be charged against and paid by said contractor into the Treasury of the City of Charlotte.

Nothing herein shall be construed to require extra fees for the several inspections made necessary in the regular order of electrical construction work.

A certificate of approval may be issued authorizing the connection and use of temporary work, such certificate shall be issued to expire at a time to be stated therein and shall be revocable by the Electrical Inspector for cause.

A preliminary certificate of approval may be issued authorizing the connection and use of certain specific portions of an incompleated installation; such certificate shall be revocable at the discretion of the Electrical Inspector.

When any part of a wiring installation is to be hidden from view by the permanent placement of parts of the building, the person, firm or corporation installing the wiring shall notify the Electrical Inspector and such parts of the wiring installation shall not be concealed until they have been inspected and approved by the Electrical Inspector. On large installations, where the concealment of parts of the wiring proceeds continuously, the person, firm or corporation installing the wiring shall give the Electrical Inspector due notice and inspections shall be made periodically during the progress of the work.

If upon inspection any installation is not found to be fully in conformity with the provisions of this Ordinance, the Electrical Inspector shall at once forward the person, firm or corporation making installation, a written notice stating the defects which have been found to exist and shall send a copy of such notice to the owner or occupant of the building.

SECTION 8. ROUGHING-IN WORK.

The roughin-in work on any installation will not be considered complete until all spllices have been properly made, soldered and taped.

SECTION 9. REINSPECTION.

The Electrical Inspector shall make periodically a thorough reinspection of the installation of all electric wiring, devices, appliances and equipment now installed or that may hereafter be installed within the City of Charlotte and within the scope of this Ordinance, and when the installation of any such wiring, devices, appliances or equipment is found to be in a dangerous or unsafe condition, the person, firm or corporation owning, using or operating the same shall be notified in writing and shall make the necessary repairs or changes required to place such wiring, devices, appliances and equipment in safe condition and have such work completed within forty-eight (48) hours or any longer period specified by the Electrical Inspector in said notice.

SECTION 10 - CONNECTION TO INSTALLATIONS.

It shall be unlawful for any person, firm or corporation to make connections to existing systems, either new or old, where the wiring is inadequate to take care of additional load.

When, for any reason, service to any installation of electric wiring, devices, appliances or equipment has been discontinued, it shall be unlawful for any person, firm or corporation to reconnect such installation to a source of supply until a certificate of

approval, authorizing such reconnection, has been issued by the Electrical Inspector.

#### SECTION 11. INSTALLATION STANDARDS.

All installations shall be in conformity with the provisions of this Ordinance, the Statutes of the State of North Carolina, and shall be in conformity with approved standards for safety to life and property. In every case where no specific type or class of material, or no specific standards are prescribed by the Statutes of the State of North Carolina, by regulations issued under the authority of the State statutes or by this Ordinance, conformity with the regulations as laid down in the National Electrical Code, as approved by the American Standards Association and in the National Electrical Safety Code, shall be prima facie evidence of conformity with approved standards for safety to life and property.

#### SECTION 12. STANDARDS FOR ELECTRICAL MATERIALS.

All electrical materials, devices, appliances and equipment installed or used in the City of Charlotte shall be in conformity with the provisions of this Ordinance, the Statutes of the State of North Carolina, and shall be in conformity with approved standards for safety to life and property. Except where by the Statutes of the State of North Carolina, by orders issued under the authority of the State Statutes or by this Ordinance a specific type or class of material, device, appliance or equipment is disapproved for installation or use, conformity with the standards of Underwriters' Laboratories, Inc., shall be prima facie evidence of conformity with approved standards for safety to life and property. The maker's name, trade-mark or other identification symbol shall be placed on all electrical materials, devices, appliances and equipment used or installed under this Ordinance. All electric sign, lighting fixtures, and appliances offered for sale, exposed for sale at wholesale or retail or gifts or premiums and installed in the City of Charlotte shall bear affixed thereto the Underwriters' Laboratories, Inc., stamp and or label of approval. The Electrical Inspector shall accept, without further examination or test, the listings of Underwriters' Laboratories, Inc., as evidence of safety of such materials/devices (so long as the listings continue in effect) and, shall accept without further text or examination the stamp or label of Underwriters' Laboratories, Inc., affixed upon electric signs, lighting fixtures and appliances. It shall be unlawful for any person firm or corporation to remove, alter, change or deface the maker's name, trademark, and other symbols.

#### SECTION 13 -- HAZARDOUS LOCATIONS.

Locations which are particularly hazardous because of the operations carried on therein or because of the presence of highly flammable or easily ignitable substances shall be classified as follows:

Class I. Hazardous locations are those in which flammable volatile liquids, highly flammable gases, mixtures or other highly flammable substances are manufactured, used, handled, or stored in other than their original containers.

Class II. Locations are those in which (1) combustible dust is thrown, or is likely to be thrown, into suspension in the air in sufficient quantities to produce explosive mixtures, or (2) those where it is impracticable to prevent such combustible dust from collecting in such quantities on or in motors, lamps, or other electrical devices that they are likely to become overheated because normal radiation is prevented.

Class III. Locations are those in which easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used, and which are hazardous through such fibers or flyings collecting on or being ignited by arcing contacts, resistors, lamps or similar apparatus.

Class IV. Locations are those in which easily ignitable combustible fibers are stored or handled (except in rooms where in process of manufacture), and which are hazardous through such fibers being ignited by arcing contacts, resistors, lamps, or similar apparatus.

If there is any question as to the interpretation of the above hazardous locations the electrical contractor or parties interested

shall ascertain from the City Electrical Inspector the exact interpretation for his particular case. If such decision is questioned the matter shall be referred to the Chief Safety Inspector of Charlotte and his decision shall be final.

SECTION 14. - SPECIAL INSTALLATION REQUIREMENTS.

1. SERVICE

(a). Service entrance conductors shall not be smaller than No. 8.

(b). No service wires shall enter any building within the City of Charlotte except through galvanized iron or thin wall conduit not less than size specified in National Electrical Code.

(c). No lighting service shall be permitted on any premises from an ungrounded 220 volt single or polyphase power circuit.

2. Location of Service Equipment. Service equipment shall not be located in any attic, clothes closet, bathroom, toilet room or coal bin, nor in any room or space which is normally kept locked.

3. Service Switches. Except where mounted on a switch-board which is accessible to qualified persons only, every service switch shall be enclosed and externally operable.

4. Cabinets in Basements. Cabinets, cutout boxes and switch boxes mounted on basement walls below the ground level where the wall is in contact with outside earth shall be separated at least one inch from the wall.

5. Distribution Centers. At distribution centers where equipment contained in three or more metal boxes is supplied from the same set of mains or buses, such mains or buses shall be installed in auxiliary gutters and connections from the gutter to each individual box shall be made by means of rigid metal conduit or electrical metallic tubing. By special permission, exceptions to this requirement may be allowed in the case of additions to existing installations.

6. Range Disconnect. Electric range installations must be supplied with a heavy duty attachment device capable of interrupting the service, and located within reach of the equipment.

7. Apartment Houses. In multi-family dwellings (not including hotels) the branch circuit fuses or circuit breakers for each apartment, including the range circuit protective device, shall be located in the apartment or adjacent thereto and shall be readily accessible to the occupants of the apartment.

8. Types of Wiring. Open wiring on insulators is not approved for use, except by special permission where special conditions exist.

9. Wet Locations. In buildings such as dairies and ice cream factories where the walls are washed frequently, all wiring exposed to streams of water or spray shall be installed in zinc-coated rigid metal conduit with watertight fittings and such conduit shall be arranged to drain.

10. Gasoline Pumps. At filling stations, a separate run of not less than 3/4 inch conduit shall be installed from the branch circuit distribution center to each motor driven gasoline pump.

11. Sign Connections. Conductors supplying out-door signs shall be enclosed in zinc-coated rigid metal conduit or thin wall tubing.

12. Wiring in Basements. In basements, cables or open wires for light or power shall be kept about the lower edges of overhead floor joists or other timbers, except that where the headroom is less than three feet such cables or wires may be run across the lower edges of timbers or secured to each timber.

13. Outside Festoon Lighting. If outside festoon lighting is equipped with shades or reflectors, they shall be supported by a messenger wire.



14. School Buildings - Stairway Lighting. All outlets for stairway lighting in school buildings shall be controlled separately from other outlets by switches mounted inside the lighting circuit cabinets.

15. Show Windows. At least one receptacle outlet shall be installed in each space intended to be used as a show window. Such outlets shall be located near the floor if practicable.

16. Flush Switches. All flush tumbler or push type switches in buildings intended for use as retail stores, offices, school buildings or industrial plants shall be of the heavy duty type having the letter "T" stamped on the switch adjacent to the rating.

17. Motor Wiring. For motors operating at over 150 volts, all wiring from the distribution center to the motor controller shall be installed in rigid iron conduit or electrical metallic tubing.

18. Grounding Portable Equipment. All motor driven portable equipment supplied by a two or three wire circuit is required to be grounded, the grounding connection shall be provided by means of an extra conductor in the cord and a three or four pole plug fitting a three or four pole receptacle at the outlet, one pole of the plug and receptacle being used for the grounding connection.

19. Grounding Fixed Equipment. Exposed, non-current carrying metal parts of the following kinds of equipment, regardless of voltage, shall be grounded.

20. Used Materials. Any second-hand or used materials that are re-installed shall be in good repair. Unused openings in cabinets and boxes shall be closed by means of substantial plugs or coverings rigidly secured in place and cabinets and boxes shall be thoroughly cleaned and painted.

21. Bridge Fuse. It shall be unlawful for any person to bridge a fuse with metal or fuse any conductor above its rated carrying capacity.

22. Non-Tamperable Fuses. All plug fuses and plug fuse holders on new work shall be of the non-tamperable type in accordance with Section 2452, Article 240, of the 1937 National Electrical Code. This section shall also be enforced on all old work where the present fuses or fuse holders have been tampered, ( or have been replaced by fuses of a larger capacity than the safe carrying capacity of conductors they protect). Article 240, Section 2452, of the 1937 National Electrical Code shall be mandatory on all new work and on all old work where there is evidence of willful tampering with present fuses and fuse holders. It shall be optional on all other installations using plug fuses.

23. Store Buildings. No store building shall be wired so as to place more than (2) ceiling outlets on sales floor and branch circuit fuse, nor shall any outlets otherwise located be connected to any such circuit of two outlets. This circuit wire shall not be less than #12 B & S Gauge.

24. Grounding. In addition to the ground at or near the transformer one conductor of each installation of 150 volts or less hereafter installed or altered shall be grounded in approved manner at the service switch, the ground conductor shall be bonded to water piping ahead of all fittings and at the street side of cut off valve, and in the event no water piping is in the building the conductor shall be run to a point in the building where water piping is most likely to be placed at some later date and there be attached to an artificial ground.

25. Current Transformers. Where it is necessary to use current transformers for meters, the transformers and meters shall be placed in metal cabinets. These cabinets shall be No. 16 U. S. Sheet Metal Gauge and doors of cabinets shall be fastened in some manner, so as to be a good snug fit when closed.

26. Outlet Boxes. All outlet boxes for conduits and cables shall be not less than  $1\frac{1}{2}$  inches in depth, and where 4 inch boxes are to be used for fixtures they shall be provided with plaster ring covers and fixture studs. All outlet boxes where fixtures are to be installed shall be provided with fixture studs.

27. Meters. Each meter outlet shall be neatly and permanently marked by means of 1 inch or larger stenciled letters or figures showing plainly the section of the building fed through said meter and so placed as not to be covered by meter when installed. Distance from ground to meter box shall not be less than five feet except where it is necessary to install meter boxes in alleys. In this case meter boxes shall not be less than seven feet. The boxes must be clear of any doorways, stairways, etc., and properly grounded.

28. Underground Pipe. All metal conduit used in connection with the installation of wiring apparatus or equipment for lights, heat or power in the City of Charlotte must, when installed underground or where exposed to the weather, as on the outside of buildings, be of galvanized type. The use of enameled or similarly treated conduits in such locations will not be approved.

29. Underground Wires. All underground wires must be lead covered and protected from mechanical injuries by using conduit thin wall tubing or approved ducts.

30. Theatre Emergency Lighting for Exits and Aisles. All theatres and moving picture show houses shall be provided with exit and aisle lights. The exit lights shall be plainly indicated by signs bearing the word "Exit" which shall be kept lighted throughout each performance. All theatre and moving picture show houses shall have an emergency lighting system, independent of the general lighting system, with provisions for automatically transferring, by means of devices approved for the purpose, the emergency system for a defective supply to another supply.

31. Theatre Display & Temporary Lighting. A four or more circuit panel shall be installed in the front lobby of theatres and motion picture houses to supply current for display and temporary lighting effects.

32. Qualifications for Moving Picture Operators. It shall be unlawful for any person to operate a motion picture machine in any theatre regularly used for moving picture performances until he shall have appeared, in person, before the City Electrical Inspector and shown proof that he is competent and conversant with the rules and regulations of the City governing same and shall have secured a license from the City Tax Collector, the fee for which shall be Two (\$2.00) Dollars. Renewals One (\$1.00) Dollar. No license shall be issued to any person under eighteen (18) years of age.

33. Guy Wires. All guy wires attached to any pole carrying either electric light, power wires, or signal systems must have a strain insulator placed therein, except where the guy is electrically connected to grounded steel structures or to a ground connection on wood poles, or where the guys are uniformly permanently grounded throughout any system of overhead lines. All guy wires attached to anchor rods must be covered by guy wire protectors where necessary.

34. Line Wires. All "line wires" installed or altered in the fire district shall be grouped as much as possible and be distributed from the nearest practicable line support to the point where it enters the building. All service entrance conductors installed or altered in the fire district shall be enclosed in rigid galvanized conduit or thin wall tubing on the building, except where approved service entrance cable is used, and within twelve inches (12), if possible, of the same plane as that of the feeder lines.

35. Communication Wires.

(a). Open wires of 110 or 220 volt conductors shall have a separation of 4 inches or more from communication wires or cables.

(b). Where wires are installed in rigid conduit or thin wall tubing of 110 or 220 volt conductors they shall have a separation of 2 inches or more from communication wires or cables.

(c). Where a 2300 volt conductor is used the clearance shall be 24 inches or more from communication wire or cables.

36. Poles and Towers. Poles and towers and wires shall be located in the streets, alleys, and public places of the city in

such a manner as to cause the least obstruction to public travel and private use of property. The Electrical Inspector shall have the authority to compel the removal of unsafe poles or towers, or the re-location of installations, which do not conform to the intent of this chapter. Any person, firm or corporation owning or using such poles or towers who shall fail or refuse after five days' notice from the City Electrical Inspector, shall, upon conviction, be fined Ten (\$10.00) Dollars.

37. Bell Ringing Transformers. Bell ringing transformers shall be located where readily accessible and mounted in or on an outlet box.

38. Beauty Parlors. In establishments used as beauty parlors, all branch circuits supplying current for receptacle outlets shall be of a size not smaller than No. 12. No receptacle will be allowed on a circuit supplying current for ceiling or bracket outlets.

No permanent wave machine shall be connected to any circuit wires smaller than No. 12. Each permanent wave machine shall be on a separate circuit and the frame permanently grounded.

39. Specifications of Transformer Vaults.

Walls: The enclosure shall consist of concrete not less than 6 inches in thickness, or of brick not less than 6 inches in thickness. It is recommended that outside walls of the building, if of fireproof construction, constitute one or more of the walls of the vault. Roof of vault shall be same thickness and material as specifies for walls.

Dimensions: Minimum dimensions of transformer vaults shall be as follows: 25 to 200 K.V.A. inclusive 40 square feet per transformer. Larger than 200 K.V.A. to be determined by Electrical Department. For number of transformers to provide for, consult local power company.

Drain: A suitable drain shall be provided which will carry off any accumulation of oil or waste that may collect in the vault. Floor and drain shall have a pitch of not less than 1-4 inch per foot.

Ventilation: The enclosure shall be provided with means of ventilation as follows: Inlet vent: Minimum area 2 square feet, screened on outside with No. 10 iron wire of 1 inch mesh, must be louvered closable by vertical sliding door, supported by fusible link. Sliding door to be No. 10 gauge metal, with guides and landing of sufficient strength to hold when door falls. Outlet vent: Minimum area 2 square feet screened on outside with No. 10 wire of 1 inch mesh must be louvered and be 5 feet away from any opening in the same or adjacent building. Inlet vent to be not more than 12 inches above floor and outlet vent not more than 12 inches below ceiling.

Outside Entrance: For the convenience of the consumer and to facilitate repairs to apparatus, it is recommended that vaults should be accessible from outside the building. This entrance to be of sufficient size to permit the removal or replacement of largest transformer.

Door Sill: A door sill not less than 4 inches in height shall be provided. In all cases the sill shall be of sufficient height to confine within the vault the oil from the largest transformer installed.

Purpose of Vault: Transformer vaults located inside of building must not be used for any purpose other than primary lighting and power equipment. No piping of any kind except conduits for wiring will be permitted in vault. Secondary control switches, distribution panels, etc., shall be located outside of transformer vaults.

WIRING AND APPARATUS INSIDE OF VAULT

2300 volt service and apparatus: Approved potheads must be on all conduits containing 2300 volt cables or wires. Condulets not permissible.

Service supplying current at 2300 volt must be approved lead cable run continuous in conduit from pole or junction outside of building to oil circuit breaker located inside of vault and from oil circuit

breaker to transformer supply busses. Transformer supply busses shall be equipped with turn buckle or other approved device for taking up slack.

Ground Wire: No. 6 copper wire shall be used for grounding bus, connecting to transformer tanks, oil switch, instrument transformer cable racks, lead sheathing of cable and oil switch rod, to be connected to nearest water pipe.

Vault Lighting: To be controlled by switch located outside of the vault.

40. Joints. All joints made in extensions must originate and terminate in outlet boxes that are accessible.

#### SECTION 15. - PENALTIES.

Any person, firm or corporation who shall violate any of the provisions of this Ordinance shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine of ~~Fifty (\$50.00)~~ Dollars.

#### SECTION 16. - LIABILITY FOR DAMAGES.

This Ordinance shall not be construed to relieve from or lessen the responsibility or liability of any party owning, operating, controlling or installing any electric wiring, devices, appliances or equipment for damages to person or property caused by any defect therein, nor shall the City of Charlotte be held as assuming any such liability by reason of the inspection authorized herein or the certificate of approval issued as herein provided.

#### SECTION 17. - VALIDITY.

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

#### SECTION 18. - REPEAL OF CONFLICTING ACTS.

All Ordinances or parts of ordinances conflicting with the provisions of this Ordinance are hereby repealed.

#### SECTION 19. - DATE TO TAKE EFFECT.

This Ordinance shall take effect immediately after its passage and publication.