

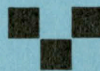
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A CENTURY OF PROGRESS INTERNATIONAL EXPOSITION

1934

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*Rules and Regulations and Miscellaneous Information
Applicable to the Design, Construction and Equipment
of Exhibits*



ADMINISTRATION BUILDING, BURNHAM PARK
CHICAGO, ILLINOIS
CABLE — CHICAGOFAIR

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TABLE OF CONTENTS

PART I. RULES APPLYING TO ALL EXHIBITORS.

- Section 1. Approval of Designs.
- Section II. Permits for Construction and Installation of Exhibits.
- Section III. Building Code Requirements.
- Section IV. Hours Allowed for Construction and Installation.
- Section V. Moving Picture Exhibits.
- Section VI. Sound Producing Devices.
- Section VII. Refrigeration.
- Section VIII. Exterior Lighting.
- Section IX. Exterior Signs.
- Section X. Temporary Signs.
- Section XI. Flood Lights.
- Section XII. Damage to Utilities
- Section XIII. Gas.
- Section XIV. Water.
- Section XV. Storm Sewers to Lake.
- Section XVI. Telephones.
- Section XVII. Raised Platforms.

PART II. RULES APPLYING PRIMARILY TO EXHIBITORS IN BUILDINGS OWNED AND OPERATED BY A CENTURY OF PROGRESS.

- Section I. Construction and Services Furnished by A CENTURY OF PROGRESS Without Additional Charges in Exhibit Buildings Owned and Operated by A CENTURY OF PROGRESS.
- Section II. Construction and Services to Be Paid for and Maintained by EXHIBITORS in Addition to Sums Paid for Exhibit Spaces.
- Section III. General Design.
- Section IV. Special Requirements for Interior of Buildings, Including Partitions, Floors, Ceilings, Construction Heights, Signs, Lights, Railings, Show Cases, Decorations, etc.
- Section V. Aero (A.D.T.) Fire Protection System.
- Section VI. Lounges.

PART III. ELECTRICAL CONSTRUCTION, OPERATION AND MAINTENANCE.

- Section I. Rules Applying to All EXHIBITORS.
- Section II. Electrical Work Within Buildings Owned and Operated by A CENTURY OF PROGRESS.
- Section III. Electrical Work Outside of Buildings Owned and Operated by A CENTURY OF PROGRESS.

DETAILED RULES AND REGULATIONS APPLICABLE TO CONSTRUCTION AND EQUIPMENT OF EXHIBITS

These Rules and Regulations are supplemental to Rules and Regulations for EXHIBITORS, and apply to all construction and installation work by and for EXHIBITORS throughout all grounds and buildings at A CENTURY OF PROGRESS.

A CENTURY OF PROGRESS reserves the right to construe, amend or add to these Rules and Regulations and to issue others whenever it deems it necessary to do so.

PART I. RULES APPLYING TO ALL EXHIBITORS.

SECTION I. APPROVAL OF DESIGNS.

1. Requirements:

Each EXHIBITOR is required to secure approval of plans and specifications which fully describe the design and construction of his installation.

2. Preliminary Approval.

EXHIBITORS are urged to contact the Design and Construction Division at the very beginning of the preparation of their drawings. Rules and Regulations will be explained so that the designer may have a clear understanding of the problem before proceeding with his work.

Much time and expense will be saved if preliminary sketches are submitted for constructive criticism before starting final drawings and specifications.

Each EXHIBITOR should secure from the Design and Construction Division information regarding existing utilities affecting his site.

Designers of buildings shall consult with the Color Section of the Design and Construction Division.

3. Final Approval.

Final approval shall be secured on every booth, building, structure, furniture, decorative feature, sign, awning, umbrella, ground layout, walk, landscaping, etc. Plans and specifications shall be in sufficient detail to show the layout, materials, construction, utilities, design, color and lighting.

(a) No construction, or any other work, shall be started until plans therefor have been approved and a construction permit issued to the EXHIBITOR. No changes, not contemplated in the permit, will be permitted without authority therefor in writing.

Throughout the operation of the Exposition, approval must be secured and a permit issued before any change, addition, omission or installation is made.

If an EXHIBITOR includes anything in his exhibit which was not shown and approved on the Permit plans, A CENTURY OF PROGRESS reserves the right to remove it at the expense of the EXHIBITOR.

(b) No one shall be permitted to erect, install, operate or maintain any structure, exhibit, or other item in his space which, in the opinion of A CENTURY OF PROGRESS, will injuriously affect the Exposition, or the rights of any other EXHIBITOR or CONCESSIONAIRE.

(c) Periodic inspections will be made and any instructions issued by A CENTURY OF PROGRESS to insure safety, or for the removal of objectionable or inharmonious features, must be complied with promptly. A CENTURY OF PROGRESS reserves the right to make any such removal at the expense of the EXHIBITOR.

SECTION II. PERMITS FOR CONSTRUCTION AND INSTALLATION OF EXHIBITS, AND ERECTION OF SIGNS.

1. Permit Applications.

(a) Permits for construction, alterations, or changes of any kind are issued on Form WD-23, of which six (6) copies are signed by the EXHIBITOR or his authorized contractor.

(b) All EXHIBITORS for the 1934 Exposition are required to secure new permits, even though they desire to use the same design and construction as was approved in 1933. If no changes whatever are contemplated in the drawings now on file with A CENTURY OF PROGRESS, the application for a 1934 Permit may be made by letter (6 copies) containing this statement.

2. Drawings.

Six (6) sets of drawings and three (3) sets of specifications are required.

Six (6) sets of electrical drawings and six (6) sets of plumbing drawings must also be furnished, and all connections to A CENTURY OF PROGRESS utilities must be shown in detail.

3. Utility Connections.

No connection to A CENTURY OF PROGRESS utility can be made except with the approval of A CENTURY OF PROGRESS. Application for permission to make such connections shall be made on Form WD-24 (6 copies).

4. Moving Machinery.

If there is any moving machinery, Form E-21 must be signed in triplicate. Three (3) sets of drawings of the machinery, railings, guards and other protection shall be furnished.

5. Color Approval.

A CENTURY OF PROGRESS may require a change in color and design of some of the existing buildings.

SECTION III. BUILDING CODE.

All construction and installation must comply with the requirements of A CENTURY OF PROGRESS Building Code. In the event any of the provisions hereof are in conflict with the provisions of said Code, the Code provisions shall govern.

SECTION IV. HOURS ALLOWED FOR CONSTRUCTION AND INSTALLATION.

After the opening of the Exposition, no construction work or installation or movement of materials will be permitted between the hours of 9:00 A. M. and midnight.

SECTION V. MOVING PICTURE EXHIBITS.

1. Film, Seating, and Projection Booths.

(a) Moving picture exhibits may be used in all buildings when approved by A CENTURY OF PROGRESS provided only slow burning cellulose acetate films are used, and provided further, that the seating capacity for such exhibits shall not exceed 300. Where seating for more than 25 persons is provided, the seats shall be fixed seats.

(b) Seat arrangements and aisles shall be as required under theatre seating requirements of A CENTURY OF PROGRESS Building Code.

(c) Wherever moving pictures are projected and shown, wherein the seating capacity is more than 50 persons, a projection booth constructed of incombustible materials shall be provided. Wherever any projection booth is constructed, only incombustible materials shall be used.

Films not in the projector shall be kept in metal containers.

(d) Exhibitors are referred to A CENTURY OF PROGRESS Building Code for requirements on larger installations and those using nitrate films.

SECTION VI. SOUND PRODUCING DEVICES.

1. Permit.

A special permit must be secured for the operation of any sound producing device.

2. Type.

All sound producing equipment must be of such a type as not to cause annoyance or inconvenience to EXHIBITORS, CONCESSIONAIRES, or the Public.

SECTION VII. REFRIGERATION.

Certain refrigerants are not allowed in A CENTURY OF PROGRESS. Any type of refrigeration should be submitted for approval before entering into contracts for the installation of same.

Note: See Part III, Section I, Paragraph 8 for twenty-four (24) Hour Electrical Service.

SECTION VIII. EXTERIOR LIGHTING.

1. Approval.

All exterior lighting shall be of intensity and color required by A CENTURY OF PROGRESS and shall conform to the type in use by the Exposition. Written approval must be secured from A CENTURY OF PROGRESS on all lighting installations.

2. Hours.

In order to preserve the architectural unity of the grounds at night, all special buildings and other structures and outdoor areas shall remain lighted each night as long as the general exterior lighting is maintained by A CENTURY OF PROGRESS.

3. Exposed Bulbs.

Exposed bulbs are only allowed for small size frosted or colored bulbs and are permitted only in Enchanted Island and such areas on the Northerly Island as may be designated by A CENTURY OF PROGRESS as the "Midway."

4. Exposed Gaseous Tubes.

Exposed Gaseous tubes may be used subject to approval of A CENTURY OF PROGRESS, provided they conform to and become a part of the architectural design. They shall not be used as decoration around signs.

SECTION IX. EXTERIOR SIGNS.

1. Permits.

(a) No sign shall be erected without securing from the Design and Construction Division a proper permit for the erection of same. All signs are subject to special rulings and approval of

A CENTURY OF PROGRESS must be secured on design, construction and reading matter.

(b) Signs erected during 1933 will not be permitted to remain unless a new sign permit is issued for 1934 and must conform to the 1934 requirements.

(c) All signs shall be substantial in construction, and no signs constructed of paper or canvas will be permitted.

(d) No sign shall extend beyond the building of the EXHIBITOR.

(e) An EXHIBITOR who occupies space within A CENTURY OF PROGRESS buildings with windows to the outside, may install approved gold-leaf signs in these windows.

(f) No signs advertising products not manufactured by the EXHIBITOR shall be installed.

(g) Vertical height for signs, all portions of which are between 9 and 15 feet above ground or floor level, shall be not more than 14 inches.

(h) Vertical height for signs, all portions of which are between 15 and 25 feet above ground or floor level, shall be not more than 24 inches.

(i) Vertical height for signs, all portions of which are over 25 feet above ground or floor level, shall be subject to special ruling.

2. Illumination.

(a) No flashing signs will be permitted. No exposed gaseous tubes or other exposed light source, or reflected image thereof, shall be used for the illumination of any sign, except in the area south of Co-Ordinate 8800 South, where gaseous tubes may be used by approval, on Exhibit Buildings only.

(b) All illuminated signs shall be indirectly illuminated with the source of light concealed, or shall be so constructed as to properly diffuse the light by the installation of opal glass in front of the source of light. Source of light shall be at least one inch behind the glass. Sample of the glass must be submitted for approval.

SECTION X. TEMPORARY SIGNS.

Permits must be secured for the erection of all temporary signs, for both inside and outside of buildings, regardless of the length of time the signs are to be used.

SECTION XI. FLOOD LIGHTS.

When flood lights are used, they must be placed in such a position, or shielded in such a manner as not to be glaring, or so people in adjoining spaces or on roads, walks and aisles cannot look directly into the lens. Glaring flood lights are not permitted.

SECTION XII. DAMAGE TO UTILITIES.

The cost of repairs to utilities, occasioned by damage due to construction work by an EXHIBITOR, shall be borne by the EXHIBITOR.

SECTION XIII. GAS.

Contracts and billing for gas are by direct arrangement between the Peoples Gas Light and Coke Company of Chicago and the EXHIBITOR.

Piping inside of buildings shall be installed by approved plumbing contractor at the expense of the EXHIBITOR. Connections from exterior building wall to existing gas main will be made by the Gas Company at the expense of the EXHIBITOR.

Note: Buildings cannot be erected over gas mains.

SECTION XIV.
WATER.

Charges for water will be at the following rates:

- For each $\frac{1}{2}$ inch connection to A CENTURY OF PROGRESS main, \$5.00 per month, payable monthly.
- For each $\frac{3}{4}$ inch connection to A CENTURY OF PROGRESS main, \$10.00 per month, payable monthly.
- For each 1 inch connection to A CENTURY OF PROGRESS main, \$25.00 per month, payable monthly.
- Connections over 1 inch must be metered.
- Metered service \$1.00 per thousand cubic feet.
- Minimum charge \$5.00 per month.

These charges do not include cost of installation or connection, which work will be done by A CENTURY OF PROGRESS at the expense of the USER. These installation and connection costs cannot be definitely determined until complete data in regard to location is available.

For metered connections, the meter installation and cost of meter shall be paid by the EXHIBITOR.

The attention of EXHIBITORS is called to the fact that where water is used only occasionally and in limited quantities, facilities established by A CENTURY OF PROGRESS will be available at various points where water can be obtained without cost to the USER.

SECTION XV.
STORM SEWERS TO LAKE.

Storm sewer outfalls to the lake or lagoon will be permitted only by special approval of A CENTURY OF PROGRESS, and must extend one (1) foot through the bulkhead in iron pipe.

SECTION XVI.
TELEPHONES.

Telephones will be installed by direct contract with the Illinois Bell Telephone Company (Chicago Office.)

SECTION XVII.
RAISED PLATFORMS.

1. Permits.

Raised platforms in exhibit areas to which the public has access may be installed only by special permission.

2. Height.

If platforms are used, they shall be $4\frac{1}{2}$ " in height above the adjoining floor.

3. Illumination.

All risers over which the public may pass, shall be illuminated. It is recommended that ramps with a run of not less than five (5) times the rise be used in place of illuminated steps.

PART II.
RULES APPLYING PRIMARILY TO EXHIBITORS IN
BUILDINGS OWNED AND OPERATED BY
A CENTURY OF PROGRESS

SECTION I.
CONSTRUCTION AND SERVICES FURNISHED BY A CENTURY OF PROGRESS WITHOUT ADDITIONAL CHARGES
IN EXHIBIT BUILDINGS OWNED AND OPERATED BY A CENTURY OF PROGRESS.

1. Public Areas.

In all corridors and courts not covered by permits issued to EXHIBITORS, A CENTURY OF PROGRESS will provide and install, at its expense, flooring, ceilings and all other necessary equipment.

2. Exhibit Areas.

In all spaces covered by permits issued to EXHIBITORS, A CENTURY OF PROGRESS will furnish and install, without additional charge: usable flooring, undecorated ceilings and wallboard on walls forming the inside surfaces of exterior building walls; the finish of all lintels and corridor details above lintels, except signs; the finish on the faces of columns adjacent to corridors or halls; and A CENTURY OF PROGRESS standard lighting equipment of two (2) watts per square foot of booth area, together with its maintenance and operation.

SECTION II.
CONSTRUCTION AND SERVICES TO BE PAID FOR AND MAINTAINED BY EXHIBITORS IN ADDITION
TO SUMS PAID FOR EXHIBIT SPACES.

Items of new construction, or changes in existing construction, furniture, decoration, lighting and other items desired by an EXHIBITOR and approved by A CENTURY OF PROGRESS, not specifically mentioned as being furnished free of charge by A CENTURY OF PROGRESS, shall be installed and maintained by the EXHIBITOR, and no allowance shall be made by A CENTURY OF PROGRESS on account of not furnishing any items required to be furnished by it when occasioned by the request of the EXHIBITOR, or when the EXHIBITOR'S plans require items of a different type from the standard furnished by A CENTURY OF PROGRESS.

SECTION III.
GENERAL DESIGN.

1. Booth Plans.

The Design and Construction Division of A CENTURY OF PROGRESS will furnish each EXHIBITOR with a blue print of plan and section of his exhibit space with general dimensions and other data; same to be verified by the EXHIBITOR at the building.

2. Typical Construction.

EXHIBITORS and their designers should acquaint themselves with the typical construction of lintels, sign shelves and exposed steel columns. With certain exceptions for architectural reasons, all steel columns which are adjacent to corridors or halls are to be left uncovered, even though these columns are within the EXHIBITORS' areas. A CENTURY OF PROGRESS will paint all such columns and determine the color. A CENTURY OF PROGRESS reserves the right to leave exposed such other structural and architectural features as may be consistent with the general scheme of decoration.

No exhibits or other material may be suspended from the ceilings, or attached to columns or other structural parts of a building except with the approval in writing of A CENTURY OF PROGRESS.

No changes in existing structural conditions, including glazed exterior display windows, may be made by any one except with the approval in writing of A CENTURY OF PROGRESS.

SECTION IV.
SPECIAL REQUIREMENTS FOR INTERIOR OF BUILDINGS.

1. Partitions.

(a) Partitions between booth spaces, when such partitions are desired, shall be erected by and at the expense of the EXHIBITORS involved.

(b) No partitions will be permitted in any booth space along the face fronting on any corridor or court, except by approval in writing of A CENTURY OF PROGRESS, and any such partition so authorized must conform to the design and treatment of the adjacent court or corridor.

(c) For facades facing any court or corridor where lintels are a part of the architectural treatment, they are provided by A CENTURY OF PROGRESS at its expense, and at heights regulated by A CENTURY OF PROGRESS. Finish above such lintels, except signs, will also be provided at the expense of A CENTURY OF PROGRESS.

(d) All partitions shall be faced on each side with $\frac{3}{8}$ " plaster board, or approved incombustible material. Other materials may be applied to the face of such partitions, subject to approval of A CENTURY OF PROGRESS.

2. Floors.

(a) If a floor load of over 100 pounds per square foot is desired, A CENTURY OF PROGRESS must be consulted. Any strengthening or modification of floors necessary to permit moving, installing, erecting, operating or maintaining of exhibits will be executed by A CENTURY OF PROGRESS at the expense of the EXHIBITOR.

(b) The floor of an exhibit area may be covered by an EXHIBITOR with carpet, linoleum, parquet flooring, etc. as may be approved by A CENTURY OF PROGRESS.

3. Ceilings.

Ceilings below that furnished by A CENTURY OF PROGRESS may be installed by the EXHIBITOR, at his expense, subject to the approval in writing of A CENTURY OF PROGRESS as to height, materials, design, decoration, ventilation and method of construction.

Note: See "Aero System"—Part II, Section V.

4. Construction Heights.

The height of partitions separating booth areas from adjacent booth areas, or from corridors or courts, will be as follows:

(a) In the Dome of the Travel and Transport Building no partition will be permitted except by special authority in writing of A CENTURY OF PROGRESS.

(b) In other cases partitions may extend to the full ceiling height, except where the ceiling height is greater than fifteen (15) feet, in which case the height of the partitions shall be such as may be approved by A CENTURY OF PROGRESS for the particular court or corridor.

(c) The maximum height of exhibits shall be such as may be approved by A CENTURY OF PROGRESS for the particular location.

5. Signs.

(a) Signs may be of wood, metal, glass or other approved material, and shall be satisfactory in scale and neat in design.

(b) No sign or trade-mark shall project beyond a booth space, nor be placed where it will conflict with the general effect.

(c) Signs over lintels shall designate the name of the individual, firm or corporation to whom the permit for the space was granted, or the trade-mark of the product shown, and shall be installed at the expense of the EXHIBITOR.

(d) No solid sign or trade-mark shall be attached to columns.

6. Lights.

(a) No exposed light bulbs, tubes, reflected image, or other light source or flashing lights will be permitted in any booth space except by authority in writing of A CENTURY OF PROGRESS.

(b) The color, intensity, type and placing of all lights, including those for signs above lintels, shall be subject to approval of A CENTURY OF PROGRESS.

7. Railings.

(a) Railings, posts, or similar open construction with suitable entrances, may be installed to separate booth spaces from corridors or courts.

(b) All machinery in motion shall be protected by suitable railings or guards, placed at a sufficient distance from the machine to prevent injury to employees and the public. Design and positions of such railings or guards are to be shown on drawings submitted for the approval of A CENTURY OF PROGRESS. See Part I, Section II, Article 4.

(c) All railings shall be of substantial construction, rigidly supported and without projections

which might catch clothing or inflict injury.

(d) All railings necessary for the protection of the public shall be not less than 3'6" high.

8. Show Cases, Tables, etc.

Show cases, counters, stands or tables for the display of exhibits shall be of design, materials, color and finish satisfactory to A CENTURY OF PROGRESS, and shall not be so placed as to mar the general scheme of the particular court or corridor.

9. Decorations.

(a) Decorations, including finish of ceilings, partitions, floors, and of all furnishings within the booth space, shall be subject to approval of A CENTURY OF PROGRESS.

(b) Silk, burlap, denim, bunting or any similar fabric may be used for decorative purposes, provided that the material is flame-proofed with Cellon, or other material or process approved by A CENTURY OF PROGRESS. Materials mounted on plaster board need not be flame-proofed.

Murals on canvas shall be flame-proofed unless so mounted that canvas is not more than $\frac{3}{4}$ " from plaster board backing.

(c) Where flame-proofing is required, two (2) samples of the flame-proofed material must be submitted for approval through the Design and Construction Division of A CENTURY OF PROGRESS. After installation, the material on the job will be subject to further test for final approval.

SECTION V.

AERO (A.D.T.) FIRE PROTECTION SYSTEM.

Fire Protection at A CENTURY OF PROGRESS consists of a small hollow wire, approximately 1/16" in diameter, and other equipment. This wire is run on the ceilings, and in some cases on the walls, of all exhibit buildings and is so arranged to give protection for the building. If the exhibit space is divided into various rooms and stalls, or ceilings are installed below the present ceilings, it will be necessary to make changes in this Aero wiring so as to maintain the proper protection of the building. All changes in this Aero wiring, that may be necessary due to the EXHIBITOR's use of the space, shall be charged to the EXHIBITOR at the cost of this work to A CENTURY OF PROGRESS. If the additional wiring is of such capacity as to require a new circuit, the EXHIBITOR will be required to pay for that circuit.

SECTION VI.

LOUNGES.

1. Definition.

A Lounge, as referred to in this section, is a space assigned to an EXHIBITOR without rental charge to be furnished by the EXHIBITOR for the use of the public. It is intended that the operation of a lounge is to be undertaken by an EXHIBITOR as a courtesy, and not as a means of advertising.

2. Signs.

The word "Lounge" may be installed on the sign shelf, or other appropriate location where no sign shelf is available.

A small plate or placard may be placed on an inside wall of the space with the following, or equivalent words—"This lounge furnished through the courtesy of (name)."

No other signs will be permitted.

3. Furnishing.

All furnishing, decoration and equipment shall be approved by A CENTURY OF PROGRESS. Drawings must be furnished and permits secured in the same manner as other exhibit installations. No construction or equipment shall be installed that will interfere with the practical use of the assigned space as a Lounge.

Nothing in the nature of direct advertising may be installed.

No literature or propaganda may be distributed.

4. Use of Lounge.

Lounges shall be open to the public with no discrimination in favor of the EXHIBITOR or his guests or any other group.

5. Operating Costs.

The EXHIBITOR shall keep the Lounge in first-class order throughout the Exposition and shall pay for maintenance, repairs and janitor service.

Electrical energy will be furnished free by A CENTURY OF PROGRESS. The EXHIBITOR shall pay for any special electric wiring.

PART III.

ELECTRICAL CONSTRUCTION, OPERATION AND MAINTENANCE.

SECTION I

RULES APPLYING TO ALL EXHIBITORS.

1. General.

(a) In order to expedite and economize in the installation, and safeguard the operation of electrical work and equipment of EXHIBITORS throughout the Fair grounds, the following standards and specifications have been formulated. The standards, as set up by A CENTURY OF PROGRESS Exposition, are in accordance with the requirements of the National Board of Fire Underwriters. These regulations are intended to eliminate conflicts and disputes, and to maintain continuous satisfactory electrical service at all times without jeopardizing the EXHIBITORS' display or the distribution system of A CENTURY OF PROGRESS.

2. Engineering.

(a) A CENTURY OF PROGRESS is prepared to make working electrical plans, secure bids, make estimates and check bids for all EXHIBITORS. This service is offered at the cost of same to A CENTURY OF PROGRESS.

(b) A CENTURY OF PROGRESS has developed economical construction methods and designed efficient and inexpensive electrical fixtures, and these designs are offered to EXHIBITORS.

3. Plans.

(a) *On contracts awarded to outside contractors.* Plans on which bids are taken should show all outlets, fixtures, feeder to space, load and phase of each circuit, total loads for each phase and total of all phases. Plans should be approved by A CENTURY OF PROGRESS before bids are taken, and if additional feeder capacity is required, an estimate can be given on the cost of same. Six (6) copies of working plans, with request for permit, must be submitted for approval.

(b) *On contracts awarded through A CENTURY OF PROGRESS.* To avoid confusion and save time, the information submitted to A CENTURY OF PROGRESS should be complete, showing the architectural treatment of the space, the location and size of all outlets (3 phase outlets must be noted), the horsepower of each motor, type of fixtures to be used and feeder to space. Mark the load and phase of each circuit, total loads for each phase, and total of all phases.

4. Contractors.

Only contractors approved by A CENTURY OF PROGRESS are permitted to do construction work on the Fair grounds, and a permit must be secured from A CENTURY OF PROGRESS, approved by the Electrical Section, before work is started.

5. System.

(a) *Primary Distribution.* The primary electrical distribution system to transformer vaults is an underground system of approximately 3740/2160 volts—3 phase, 60 cycle, 4 wire.

(b) *Secondary Distribution.* The secondary distribution system from transformer vaults is a 4 wire, 3 phase, 60 cycle 200/115 volt (Star) system, with five per cent variation above or below.

(c) *Direct Current.* Direct Current is not provided by A CENTURY OF PROGRESS.

6. Service Connections.

All connections to underground feeders, or switchboard, are to be made by A CENTURY OF PROGRESS at the EXHIBITOR'S expense.

7. Secondary Feeders.

All feeders to buildings are to be trenchlay or lead covered in conduit or pump log run underground from the nearest service manhole as designated by A CENTURY OF PROGRESS at the EXHIBITOR'S expense.

8. 24 Hour Service.

Twenty-four hour Electrical Service will be supplied on request. The additional cost of wiring this service will be charged to the APPLICANT. A CENTURY OF PROGRESS will not be responsible for damage due to failure of current at any time.

IMPORTANT—Unless twenty-four hour service is arranged for, current will be cut at the close of each day.

9. Three Phase Service.

Three phase service will be furnished only on request.

10. Power Wiring.

All power wiring for 1/3 h.p. motors, and larger, shall be in metallic raceway or conduit. Motors larger than 2 h.p. shall be three phase; smaller motors may be single phase. Motors of 5 h.p. and larger, shall be equipped with reduced voltage starters. All motors shall be satisfactorily grounded.

11. Emergency Wiring.

All emergency wiring shall be in metallic raceway or conduit, and independent of the regular illumination or power wiring.

12. Branch Wiring.

Where not specified to be in metallic raceways or conduit, branch wiring for circuits not exceeding 20 amperes in capacity may, where properly protected by ceilings, be cleat work. The cleats shall be spaced approximately four (4) feet on centers. No branch circuits shall be less than No. 12 wire, and the maximum amperage of one lighting circuit shall not exceed 20 amperes. Where wires are liable to come in contact with metallic surfaces, the wires shall be covered with loom. Not more than 32 sockets will be allowed on one circuit.

13. Phasing.

All branch circuits shall be balanced within five (5) per cent across the three phases. No 200 volt single phase appliances shall be connected to A CENTURY OF PROGRESS system. If tests made by A CENTURY OF PROGRESS show more than five (5) per cent unbalance, correction will be made and cost will be charged to EXHIBITOR.

14. Taps.

All taps to feeders shall be fused within five feet of tap.

15. Pigtails.

All pigtail drops, and wires that are liable to come in contact with metallic surfaces, or be damaged, shall be covered with loom.

16. Wiring of Exhibits.

(a) Dioramas used as exhibits and similar construction built of open frame construction, and properly flame-proofed, may be wired by open type cleat wiring provided same is properly protected against physical damage, is inaccessible to the public, and is out of view of the public.

(b) All sockets are to be firmly secured in place. Open terminal sockets will not be allowed.

(c) All wiring shall be secured in place by porcelain cleats, spaced not to exceed four (4) feet; and pigtails shall be protected by covering with loom.

(d) Where metal construction is used in lieu of mill construction, the metal shall be satisfactorily grounded or metallic conduit used for all wiring.

17. Adaptors.

The installation of multiple receptacle adaptors in convenience outlets will not be permitted.

18. Extension Cords.

Extension cords subject to mechanical injury must be of Tyrex, or equal quality, and not more than 7 1/2 feet long. Other cords must be Underwriters approved with a minimum of 1/32" thickness of rubber insulation. All cords for heating appliances must be approved asbestos cord.

19. Heaters.

All heaters, waffle irons and hot plates must be Underwriters approved, and are to be installed only upon a permit issued by the Electrical Section of A CENTURY OF PROGRESS. This permit will show the circuit on which these appliances are to be installed. These appliances must be controlled by a "bulls-eye" switch and must be properly grounded.

20. Meters.

The rates for electrical current provide that an EXHIBITOR has the choice of selecting a metered service or a flat rate charge. Where meters are requested, the EXHIBITOR shall pay for the meter and the installation of same.

The following metering equipment for exhibits must be obtained from A CENTURY OF PROGRESS and will be sold at cost:

Meter

Meter Fitting

Current and Potential Transformers.

The meter will be installed by A CENTURY OF PROGRESS at the expense of the EXHIBITOR. The meter fitting and instrument transformers must be installed, and the meter panel board, transformer cabinet and wiring to meter and transformers must be provided and installed by the user, either as a part of the electrical work of the space, or by his own contractor.

The type of meter installation, whether single phase, three phase, or current transformer type, shall be as determined by the Electrical Section of A CENTURY OF PROGRESS. All loads having a maximum demand over 36 KW. must have current transformers in connection with the metering equipment.

The maximum demand attachments to meters where the load is 5 KW. or less may be omitted in order to reduce cost of meters. However, where the maximum demand attachment is omitted, the maximum demand will be computed by A CENTURY OF PROGRESS as 85% of the total connected load.

A survey will be made by A CENTURY OF PROGRESS to determine the total connected load for each EXHIBITOR, and should any change in this total connected load be made by EXHIBITOR, he shall at once notify the Electrical Section of A CENTURY OF PROGRESS of such changes.

21. Meter Location.

The meter must be located in an accessible space and within reach of the floor. If out-of-doors, it must be enclosed in a weather-proof box of a size specified by the Electrical Section, depending upon the meter and fitting used.

22. Transformer Cabinet.

Current transformers, except in sub-stations, must be enclosed in a sheet metal box that can be locked, and of not less than the following sizes:

1 transformer 10" x 12" x 36"

3 transformers 10" x 30" x 36"

23. Service Switch.

For the protection of the meter, the main switch must be of the sealable type, or in a cabinet that can be locked.

24. Rates for Electricity.

In General. Electricity will be sold by A CENTURY OF PROGRESS to EXHIBITORS on either an unmetered or metered basis, at the USER's choice. The rates for either unmetered or metered service will be as follows:

(a) *Demand Charge.* \$1.40 per month per kilowatt for the first 25 kilowatts of the maximum demand in the month. \$0.75 per month per kilowatt for the excess, if any, of the maximum demand in the month over 25 kilowatts.

(b) *Energy Charge:*

3.5c per kilowatt hour for the first 2000 kilowatt hours used in the month

3.0c per kilowatt hour for the next 3000 kilowatt hours used in the month

1.1c per kilowatt hour for the next 25000 kilowatt hours used in the month

0.9c per kilowatt hour for the next 70000 kilowatt hours used in the month

0.65c per kilowatt hour for the excess over 100,000 kilowatt hours used in the month

(c) *Unmetered Service.* In determining the charge for unmetered service, the full connected load based on wattage of all lamps and name plate rating of all motors and equipment connected will be considered as the continuous demand for whatever hours the exhibit is open, plus a reasonable time for servicing of user's spaces.

At the opening of the Exposition, and from time to time during the operation, a thorough check will be made of each unmetered exhibit to determine the total connected load. If any deductions in load are made, a record must be submitted in writing before credit for same will be allowed. If an increase in load is found in rechecking, the amount of energy consumed by the increase will be billed for the entire time since the last check period, whether used or not. It is essential that any increase in load be reported to A CENTURY OF PROGRESS, who will check the capacity of the circuit and feeder, and if found ample, will issue a permit or advise what work is necessary in order to avoid fire hazards and shut-downs.

Automatic refrigeration equipment will be considered in operation for eighteen (18) hours of the day.

Any equipment operating intermittently will be given special consideration if notified in writing, but in no case will be figured at less than three (3) hours per day.

For large motors, which are used as exhibits only, and operated at a fraction of their rated capacity, special rates may be arranged on application to A CENTURY OF PROGRESS.

25. Bulbs.

Bulbs will not be furnished free of charge either under metered or unmetered service. One Hundred Twenty (120) volt bulbs should be used.

26. Payments.

The user will be billed at the beginning of each month for electricity used the preceding month.

27. Testing.

The wiring of all exhibit spaces shall be tested for shorts and grounds just before service is cut in. All high tension installations shall be tested by the agent of A CENTURY OF PROGRESS, and at the expense of the EXHIBITOR before service is supplied.

28. Temporary Service.

Temporary service for construction purposes will be run to the property line of any EXHIBITOR without charge.

The EXHIBITOR shall pay for the current used at the standard rates published in this Section and shall also pay a meter rental of \$3.00 per month for small meters, or \$5.00 per month for transformer rated meters. One month rental shall constitute the minimum meter charge.

A CENTURY OF PROGRESS will install the meter. The panel and switch shall be furnished and installed by the EXHIBITOR.

SECTION II.

ELECTRICAL WORK WITHIN BUILDINGS OWNED AND OPERATED BY A CENTURY OF PROGRESS.

1. Contractors.

Permits to do electrical work within buildings owned and operated by A CENTURY OF PROGRESS will be issued on the following basis:

(a) In an exhibit space that is fed by independent feeders, the EXHIBITOR may employ an approved contractor to do the electrical work. The independent feeder from the switchboard, or other point designated by A CENTURY OF PROGRESS to the EXHIBITOR's area, shall be installed by the duly authorized agent of A CENTURY OF PROGRESS at the EXHIBITOR's expense.

(b) Lighting fixtures may be installed by an approved electrical contractor.

(c) Where feeders are utilized by more than one EXHIBITOR, the wiring in these exhibits is to be done by the agent of A CENTURY OF PROGRESS at the expense of the EXHIBITOR.

2. Feeders.

A CENTURY OF PROGRESS has installed feeders of sufficient capacity to furnish the estimated electrical energy requirements for the various EXHIBITORS, and furnishes free to all EXHIBITORS, feeder capacity equal to four (4) watts per square foot of space rented. These feeders are standard feeders for general electrical supply and do not contemplate separate feeders or taps to each exhibit space.

Any feeder capacity in excess of four (4) watts per square foot will be installed at the expense of the EXHIBITOR, and if the EXHIBITOR so requires, A CENTURY OF PROGRESS will install, at his expense, a separate feeder or tap to his exhibit space.

A CENTURY OF PROGRESS reserves the right to install standard size feeders and to charge the EXHIBITOR the pro rata cost of this special feeder.

3. Energy Supplied by A Century of Progress.

A CENTURY OF PROGRESS supplies to all EXHIBITORS in A CENTURY OF PROGRESS buildings, without charge during the regular working hours for the duration of the Fair, the amount of energy originally designed for the particular space as shown on the contract plans for the various buildings. This energy will not be less than two (2) watts per square foot. The standard electrical fixtures and main-

tenance thereof will also be supplied by A CENTURY OF PROGRESS if desired, with no credit allowance if other fixtures are used.

SECTION III.

ELECTRICAL WORK OUTSIDE OF BUILDINGS OWNED AND OPERATED BY A CENTURY OF PROGRESS.

1. Service.

The EXHIBITOR should consult the Design and Construction Division for information on electrical service. In general, requirements up to 75 KW. may be furnished on the secondary system. Larger loads may require service from the primary system with a transformer vault installed at the expense of the EXHIBITOR.

2. Primary Feeders.

All feeders to special buildings requiring substations are to be 5000 volt paper and lead cables, installed in an underground duct system and run to the nearest A CENTURY OF PROGRESS manhole, where such service is available. The splices to main service cables are to be made by the agent of A CENTURY OF PROGRESS, and at the EXHIBITOR's expense.

3. Transformer Vaults.

All transformer vaults are to be of approved fire-proof construction, shall have a floor not less than 6" below the building floor level, and shall be provided with an oil pit of twice the capacity of one transformer, which pit shall be filled with crushed stone 2" and larger in size.

4. Maximum Capacity of Transformer Vaults.

The maximum capacity of a transformer vault compartment in a building is 1200 K.V.A. and compartment shall be separated by incombustible partitions, or one equal to No. 11 gauge steel reinforced with angle irons.

5. Emergency Lighting System.

All buildings are required by the Building Code to be provided with an emergency lighting system of an energy source other than the general illuminating system. This emergency system is to be of sufficient capacity to give a reasonable intensity of illumination over entire area if the regular system should fail. The source of energy for this system may be an automatic battery set of sufficient capacity to give proper illumination for a twenty-minute period, and must have automatic charging equipment. Gas may also be used for this system where available, and must be lighted at all times. No switch is allowed in battery circuit.

6. Battery Room.

The batteries, charger, automatic throw-over switch and fuses for the emergency lighting system shall be located in an incombustible room or cabinet.

7. Exterior Wiring.

All wiring for exterior lighting shall be in metallic raceways or conduit, and shall be concealed unless written permission is given otherwise by A CENTURY OF PROGRESS.

