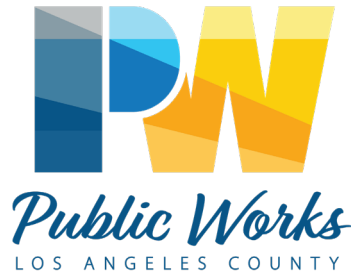


COUNTY OF LOS ANGELES
2023 ELECTRICAL CODE



Adopting by reference
Portions of the 2022 Edition

**CALIFORNIA
ELECTRICAL
CODE**

TITLE 27

Of the Los Angeles County Code

Effective January 1, 2023

Official Compilation

Edited and Proofread by Building and Safety Division,
Department of Public Works, County of Los Angeles

Fees are based on the effective date and
adjusted annually based on the Consumer
Price Index (CPI) pursuant to Section 107.17.

COUNTY OF LOS ANGELES ELECTRICAL CODE

. . . By Way of Explanation

The County of Los Angeles Electrical Code applies to all electrical work in the unincorporated portion of Los Angeles County, and in all incorporated cities which contract for Los Angeles County electrical inspection.

The County of Los Angeles Electrical Code, Title 27 of the Los Angeles County Code, as amended, comprises the administrative requirements for electrical installations. Detailed technical requirements are to be found in the California Electrical Code, 2022 Edition, which has been adopted as a part of the County of Los Angeles Electrical Code.

The County of Los Angeles Electrical Code has been in effect since April 26, 1933. It is under continuous review to keep it in step with current developments, and revisions are made periodically in collaboration with organizations representing electrical inspectors, fire protection officials, and all other segments of the electrical industry.

From 1933 to 1951 Los Angeles County inspection was accomplished by the County Department of Building and Safety. That department was merged into the Department of County Engineer in 1951 (later renamed County Engineer

Facilities), becoming the Building and Safety Division. In 1985, under a restructure, the Building and Safety Division of the Department of County Engineer Facilities was supplemented by a newly titled Department of Public Works and the functions of the Building and Safety Division was transferred under the new entity.

The Building and Safety Division, since its establishment in 1933, has utilized the combination inspection system; that is, one inspector performs all code inspections, i.e. building, grading, electrical, plumbing, and mechanical, within a given geographical area. This system has resulted in efficient service at low cost to the public. Building inspection and related engineering services are furnished at cost to cities by means of a contract arrangement. At present, 13 of the 88 cities in Los Angeles County avail themselves of these services.

Electrical permits and information regarding a particular project may be obtained from the district, branch or city office serving the area in which the work is located. General questions regarding the Electrical Code may be directed to the local or the Central Office of the Building and Safety Division.

COUNTY OF LOS ANGELES PUBLIC WORKS

Mark Pestrella, Director

BUILDING AND SAFETY DIVISION

Juan Madrigal, Superintendent of Building
Jessica Bunker, Principal Engineer
Kristin Norman, Principal Engineer
Brian Smith, Principal Engineer
Mostafa Kashe, Chief Electrical Inspector

CENTRAL OFFICE

(Mon.-Thurs. 7:00 a.m.-5:00 p.m., closed Fridays and legal holidays)

900 S. Fremont Avenue, 3rd Floor
Alhambra, California 91803
Administration (626) 458-6387
Building Section (626) 458-3173
Electrical Section (626) 458-3180
Mechanical Section (626) 458-3182
FAX: (626) 458-2861
INTERNET: www.dpw.lacounty.gov/bsd/content

Permits are issued and inspections are made from district or city offices.

DISTRICT OFFICES

ANTELOPE VALLEY

335A E. Avenue K-6
Lancaster, CA 93535
(661) 524-2390 / FAX (661) 524-2399

CALABASAS/MALIBU

26600 Agoura Road, Suite 110
Calabasas, CA 91302
(818) 880-4150 / FAX (818) 880-6279

CARSON

701 E. Carson Street
Carson, CA 90745
(310) 952-1766 / FAX (310) 549-0652

EAST LOS ANGELES

4801 E. 3rd Street
Los Angeles, CA 90022
(323) 881-7030 / FAX (323) 264-7917

LA PUENTE

16005 E. Central Avenue
La Puente, CA 91744
(626) 961-9611 / FAX (626) 961-8166

LOMITA

24320 S. Narbonne Avenue
Lomita, CA 90717
(310) 534-3760 / FAX (310) 530-5482

SAN GABRIEL VALLEY

125 S. Baldwin Avenue
Arcadia, CA 91007
(626) 574-0941 / FAX (626) 446-4425

SANTA CLARITA

23757 Valencia Boulevard
Valencia, CA 91355
(661) 222-2940 / FAX (661) 222-2947

SOUTHWEST

1320 W. Imperial Highway
Los Angeles, CA 90044
(323) 820-6500 / FAX (323) 756-0780

SOUTH WHITTIER

13523 Telegraph Road
Whither, CA 90605
(562) 946-1390/FAX (562) 906-8425

UNIVERSAL

100 Universal City Plaza, 7135 (Trailer)
Universal City, CA 91608
(818) 762-6284 / FAX (818) 623-9829

CITY OFFICES

ARTESIA

18747 Clarkdale Avenue
Artesia, CA 90701
(562) 865-6263 / FAX (562) 865-6240

CARSON

701 E. Carson Street
Carson, CA 90745
(310) 952-1766 / FAX (310) 549-0652

CERRITOS

18125 Bloomfield Avenue
Cerritos, CA 90703
(562) 860-0311 / FAX (562) 916-1242

INDUSTRY

15625 E. Stafford Street
City of Industry, CA 91744
(626) 333-2211 Ext. 118

IRWINDALE

16102 Arrow Highway
Irwindale, CA 91706
(626) 430-2205 / FAX (626) 430-2295

LA CANADA FLINTRIDGE

One Civic Center Drive
La Canada Flintridge, CA 91011
(818) 790-8651 / FAX (818) 790-8897

LAKESWOOD

5050 N. Clark Avenue
Lakewood, CA 90712
(562) 866-9771 / FAX (562) 866-0505

LA MIRADA

13700 S. La Mirada Boulevard
La Mirada, CA 90638
(562) 943-0131 / FAX (562) 943-3666

LAWNDALE

14717 S. Burin Avenue
Lawndale, CA 90260
(310) 973-3200 / FAX (310) 970-2183

LOMITA

24320 S. Narbonne Avenue
Lomita, CA 90717
(310) 534-3760 / FAX (310) 530-5482

ROLLING HILLS

24320 S. Narbonne Avenue
Lomita, CA 90717
(310) 534-3760 / FAX (310) 530-5482

SANTA FE SPRINGS

11710 E. Telegraph Road
Santa Fe Springs, CA 90670
(562) 868-0511 / FAX (562) 868-7112

WESTLAKE VILLAGE

26600 Agoura Road, Suite 110
Calabasas, CA 91302
(818) 880-4150 / FAX (818) 880-6279

ARTICLE 80
GENERAL PROVISIONS

Sec. 80-1. Title. Title 27 of the Los Angeles County Code shall be known as the “Electrical Code,” may be cited as such, and will be referred to herein as “this Code.”

Sec. 80-1.5. California Electrical Code (CEC) Adoption by Reference. Except as hereinafter changed or modified, Sections 89.102 through 89.114 of Article 89, Article 90, Chapters 1 through 9, and Annexes A, B, C, D, E, F, G, H, I, and J of that certain Electrical Code known and designated as the 2022 California Electrical Code as published by the California Building Standards Commission are adopted by reference and incorporated into this Title 27 of the Los Angeles County Code as if fully set forth below, as Sections 89.102 through 89.114 of Article 89, Article 90, Chapters 1 through 9, and Annexes A, B, C, D, E, F, G, H, I, and J of Title 27 of the Los Angeles County Code.

A copy of the 2022 California Electrical Code, hereinafter referred to as the CEC shall be at all times maintained by the Chief Electrical Inspector for use and examination by the public.

Sec. 80-2. Purpose. The purpose of this Code is to provide minimum standards to safeguard the public’s safety and welfare by regulating the design, construction, installation, quality of materials, use, location, operation and maintenance of electrical systems, equipment and appliances as specifically set forth herein. Consistent with this purpose, the provisions of this Code are intended and always have been intended to confer a benefit on the community as a whole and are not intended to establish a duty of care toward any particular person.

This Code shall not be construed to hold the County or any officer, employee or agent thereof responsible for any damage to persons or property by reason of any inspection authorized herein or by reason of the issuance or nonissuance of any permit authorized herein, and/or for any action or omission in connection with the application and/or enforcement of this Code. By adopting the provisions of this Code, the County does not intend to impose on itself, its employees or agents any mandatory duties of care toward persons and property within its jurisdiction so as to provide a basis of civil liability for damages. This section is declaratory of existing law and is not to be construed as suggesting that such was not the purpose and intent of previous Code adoptions.

Sec. 80-3. Scope. The provisions of this Code shall apply to the construction, alteration, moving, repair and use of any electrical wiring on any premises within the unincorporated area of the County of Los Angeles and to such work or use by

the County of Los Angeles within any incorporated city not exercising jurisdiction over such work or use.

The provisions of this Code shall not apply to public utilities; or to electrical wiring for street lighting or traffic signals located primarily in a public way; or to mechanical equipment not specifically regulated in this Code.

Where, in any specific case, different sections of this Code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

Except as hereinafter changed or modified, the building standards contained in the National Electrical Code of the National Fire Protection Association, Inc., which are published in the California Building Standards Code, are applicable to all occupancy groups and uses throughout the County of Los Angeles. Amendments to the building standards contained in the National Electrical Code, by state agencies, are applicable only to those occupancies or uses which the state agency making the amendment is authorized to regulate.

Sec. 80-4. Chief Electrical Inspector. The office of Chief Electrical Inspector exists in the Building and Safety Division of the Department of Public Works. The Chief Electrical Inspector shall administer the provisions of this Code under the supervision and control of the Director of Public Works, acting as the County Engineer, and shall be a competent electrical engineer of good moral character, well versed in approved methods of electrical construction for safety to life and property, the statutes of the State of California relating to electrical work, the ordinances of the County of Los Angeles relative thereto, and the California Electrical Code as amended from time to time.

Sec. 80-5. Use of Terms. Whenever the term “Chief Electrical Inspector” is used in any section of this Code other than Section 80-4, such term shall be construed to mean the “Director of the Department of Public Works,” acting as the County Engineer of the County of Los Angeles, or an authorized representative.

Sec. 80-6. Public Utilities Exempted. The provisions of this Code shall not apply to any electrical work performed by or for any electrical corporation, telephone corporation, telegraph corporation, railroad corporation or street railroad corporation on or with any electrical equipment owned or controlled and operated, or used by and for the exclusive benefit of, such corporation in the conduct of its business as a public utility, or to any other work which any such corporation may be entitled by law to perform without payment of any local tax; but all

provisions of this Code shall apply insofar as they may consistently with the above be applicable to all other electrical work performed by or for any such corporation.

The terms “electrical corporation,” “telephone corporation,” “telegraph corporation,” “railroad corporation,” and “street railroad corporation” are herein used as said terms are respectively defined in the Public Utility Code of the State of California; and such terms shall also be deemed to include similar utilities which are municipally or governmentally owned and operated.

Sec. 80-7. Governmental Agencies. The provisions of this Code shall cover, govern and control the installation, alteration, or repair of any electrical wiring, connection, fixtures, sockets, appliances, apparatus, machinery or other electrical devices by or on behalf of the County of Los Angeles or any department or officer thereof, or by or on behalf of any school district, or any quasipublic or political corporation or governmental agency or body on said premises not owned by a public school district within said unincorporated territory.

Sec. 80-8. Validity. If any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be invalid, such decision shall not affect the validity of the remaining portions of this ordinance. The Board of Supervisors hereby declares that it would have passed the ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared invalid.

Sec. 80-9. Liability. The liability and indemnification of the Chief Electrical Inspector and any of his subordinates are governed by the provisions of Division 3.6 of Title 1 of the Government Code.

Sec. 80-10. Annual Review of Fees. The fees in this Code shall be reviewed annually by the Director of Public Works. Beginning on July 1, 1992, and thereafter on each succeeding July 1, the amount of each fee in this Code shall be adjusted as follows: Calculate the percentage movement between March of the previous year and March of the current year in the

Consumer Price Index (CPI) for all urban consumers in the Los Angeles-Long Beach-Anaheim, CA areas, as published by the United States Government Bureau of Labor Statistics, adjust each fee by said percentage amount and round off to the nearest ten (10) cents; however, no adjustment shall decrease any fee and no fee shall exceed the reasonable cost of providing services. When it is determined that the amount reasonably necessary to recover the cost of providing services is in excess of this adjustment, the Building Official may present fee proposals to the Board of Supervisors for approval.

Sec. 80-11. Definitions. For the purpose of this Code, certain terms, phrases, words and their derivatives shall be construed as set out in this Section. Words used in the singular include the plural and the plural the singular.

Electric or Electrical Wiring means the installation or the alteration of any material, fixture, device, appliance, or equipment in or on any building, structure or premises, used or designed or intended to be used to generate, transmit, transform or utilize electric energy.

Hotel is any building containing six or more rooms intended or designed to be used, or which are used, rented, or hired out to be occupied, or which are occupied for sleeping purposes by guests.

Maintenance Electrician is an electrician regularly employed and registered in accordance with the provisions of this Code.

Person is an individual human being, a firm, partnership or corporation, his or their heirs, executors, administrators, assigns, officers or agents, the County of Los Angeles, and any local agency as defined in Section 53090 of the Government Code, or officer thereof.

Special Permission is the written consent of the Chief Electrical Inspector.

Tenant Improvement (Electrical) means electrical work altering or adding to the wiring system of a tenant space.

ARTICLE 81

DUTIES OF CHIEF ELECTRICAL INSPECTOR

Sec. 81-1. General. The Chief Electrical Inspector shall administer and enforce the provisions of this Code in a manner consistent with the intent thereof.

Sec. 81-2. Plans and Permits. The Chief Electrical Inspector may require the submission of plans and specifications, drawings, descriptions, and diagrams as, in the judgment of the Chief Electrical Inspector, is necessary to show clearly the character, kind and extent of electrical work covered by an application for a permit. When the Chief Electrical Inspector is satisfied that the plans submitted comply with the provisions of the Code and that the required fees have been paid, then the applicant shall be issued the appropriate permit.

Approval of a plan and/or the issuance of a permit shall not be construed to be an approval of a violation of the provisions of this Code or of other laws. Plans or permits presuming to give authority to violate or cancel the provisions of this Code or of other laws are not valid. See Article 82 for requirements regarding plans, permits and fees.

Sec. 81-3. Fees. The Chief Electrical Inspector shall collect such fees as are required by this Code and issue receipts therefor, copies of which shall be maintained as a record in the office of the Chief Electrical Inspector. The Chief Electrical Inspector shall transfer all fees collected to the proper authority provided by law to receive such funds.

Sec. 81-4. Inspection. All construction or work for which a permit is required by this Code shall be subject to inspection and approval by the Chief Electrical Inspector. See Article 82 for inspection requirements.

Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this Code or other laws. Inspections presuming to give authority to violate or cancel the provisions of this Code or other laws shall not be valid, except insofar as the work therein is lawful.

It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the Chief Electrical Inspector nor the jurisdiction shall be liable for any expense entailed in the removal or replacement of any material required to allow inspection.

Sec. 81-5. Reserved.

Sec. 81-8. Investigation. The Chief Electrical Inspector may investigate any construction or work regulated by this Code, and issue such notices and orders as provided in Sections 81-11, 81-12 and 81-13.

Sec. 81-9. Records and Retention of Plans. The Chief Electrical Inspector shall keep records of all the essential transactions of the office of the Chief Electrical Inspector. One set of approved plans shall be retained by the Building Official for a period of not less than 90 days from date of completion of the work covered therein.

Sec. 81-10. Right of Entry.

(a) Whenever it is necessary to make an inspection to enforce any of the provisions of or perform any duty imposed by this Code or other applicable law, or whenever the Chief Electrical Inspector or an authorized representative has reasonable cause to believe that there exists in any building or upon any premises any condition which makes such building or premises hazardous, unsafe or dangerous for any reasons specified in this Code or other similar law, the Chief Electrical Inspector or an authorized representative hereby is authorized to enter such property at any reasonable time and to inspect the same and perform any duty imposed upon the Chief Electrical Inspector by this Code or other applicable law; provided that:

- (1) if such property is occupied, the Chief Electrical Inspector shall first present proper credentials to the occupant and request entry explaining the reasons therefor; and
- (2) if such property is unoccupied, the Chief Electrical Inspector shall first make a reasonable effort to locate the owner or other persons having charge or control of the property and request entry, explaining the reasons therefor.

If such entry cannot be obtained because the owner or other person having charge or control of the property cannot be found after due diligence, or if entry is refused, the Chief Electrical Inspector or an authorized representative shall have recourse to every remedy provided by law to secure lawful entry and inspect the property.

(b) Notwithstanding the foregoing, if the Chief Electrical Inspector or an authorized representative has reasonable cause to believe that the building or premises is so hazardous, unsafe, or dangerous as to require immediate inspection to safeguard the public health or safety, the Chief Electrical Inspector shall have the right to immediately enter and inspect such property, and may use any reasonable means required to effect such entry and make such inspection, whether such property is occupied or unoccupied and whether or not permission to inspect has been obtained. If the property is occupied, the Chief Electrical Inspector shall first present credentials to the occupant and demand entry, explaining the reasons therefor and the purpose of the inspection.

L (c) “Authorized representative” shall include the officers
A named in Section 80-5 of this Code and their authorized
L inspection personnel.
A

L (d) No person shall fail or refuse, after proper demand has
A been made upon such person as provided in this subsection, to
L promptly permit the Chief Electrical Inspector or an authorized
A representative to make any inspection provided for by
L Subdivision (b) of this subsection. Any person violating this
L subdivision shall be guilty of a misdemeanor.
A

L **Sec. 81-11. Reinspection.** The Chief Electrical Inspector is
A hereby authorized and empowered to make, at such times and
L as often as in his discretion it may seem necessary, thorough
A reinspection of the installation in or on any building, structure
L or premises of all electrical wiring, electrical devices and
A electrical material now installed or that may hereafter be
A installed.
L

L When the installation of any such wiring, device or material
L is found to be in violation of this Code, the person, firm,
A corporation or governmental agency owning, using or
L operating the same shall be notified in writing and shall
A make the necessary repairs or changes required to place such
L wiring, device, or material in compliance with this Code and
A to have such work completed within a period of 10 days after
L such notice, or within such other reasonable period specified
A by the Chief Electrical Inspector in said notice, and shall pay
A such fees as are required by this Code.

Sec. 81-12. Authority to Disconnect. The Chief Electrical
Inspector is hereby empowered to disconnect or to order in
writing the discontinuance of electrical service to wiring, devices
or materials found to be dangerous and a hazard to life, health and
property until the installation of such wiring device or material
has been made safe as directed by the Chief Electrical Inspector.

Any person, firm, corporation, public utility, political subdivision
or governmental agency ordered to discontinue such electrical
service shall do so within 24 hours after the receipt of such
written notice, and shall not reconnect such service or allow or
cause the same to be reconnected until notified to do so by the
Chief Electrical Inspector. Refusal or failure or neglect to comply
with any such notice or order shall be considered by the Chief
Electrical Inspector a violation of this Code. The Chief Electrical
Inspector may then institute any appropriate action or proceeding
to prevent, restrain, correct or abate the refusal to comply with
any such notice or order.

Sec. 81-13. Stop Orders. Whenever any work regulated by this
Code is being done contrary to the provisions thereof, or other
pertinent laws or ordinances, the Chief Electrical Inspector may
order the work stopped by notice in writing served on any persons
engaged in doing or causing such work to be done, and any such
persons shall forthwith stop such work until authorized by the
Chief Electrical Inspector to proceed with the work.

ARTICLE 82

PERMITS AND INSPECTION

Sec. 82-1. Permits Required. A person, whether acting as principal, servant, agent or employee, shall not do or cause or permit to be done any electrical work regulated by this Code without first securing a permit from the Chief Electrical Inspector authorizing such work

Sec. 82-2. Time Limit. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 12 months from the date such permit is issued, or the work authorized by such permit is suspended or abandoned for a period of 180 days, or the permittee fails to obtain inspection as required by the provisions of Section 82-14 of this Code for a period of 180 days.

EXCEPTION: Permits issued to abate violation(s) in conjunction with a code enforcement action shall expire and become null and void at a date not to exceed 12 months from the date of issuance or other date determined by the Building Official.

The Building Official may grant one or more extensions of the time for action by the permittee for a period not exceeding 180 days from the date of expiration upon written request from the permittee and payment of a fee in an amount determined by the Building Official, not to exceed 25 percent of the permit fee.

Once a permit, including any extension(s) thereof, has expired, the permittee shall file a new application as specified in Section 82-1.

Sec. 82-3. Work Requiring a Permit. No person shall install, alter, reconstruct or repair any electrical wiring, devices, appliances, apparatus, or equipment, within or on any building, structure or premises without first obtaining a permit therefor from the Chief Electrical Inspector, except as follows:

- (a) Minor repair work, such as the replacement of lamps, switches, receptacle devices, sockets, and the like, or the connection of portable motor and appliances to suitable receptacles which have been permanently installed.
- (b) The wiring for temporary theater, motion picture or television stage sets.
- (c) Electrical wiring, devices, appliances, apparatus, or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
- (d) Low-energy power, control, and signal circuits that are not an integral part of an appliance and in which the power is limited from a source having a rated output of not more than 30 volts and 1,000 volt-amperes.
- (e) Temporary decorative lighting.

- (f) The installation of temporary wiring for testing or experimental purposes within suitable facilities.
- (g) Replacement of over-current devices of the same type and the same rating.
- (h) Portable generators, portable motors, appliances, tools, power outlets, and other portable equipment connected by means of a cord or cable having an attachment plug.
- (i) Private telephone, intercom, sound and communication systems; provided, however, that the above system(s) do not exceed the value as indicated in (c) and (d) of this section. A permit shall be obtained for the power supplies required by the above systems. Notwithstanding the foregoing, all electrical wiring and equipment shall comply with Section 83-2 of this Code.

Sec. 82-4. Application for Electrical Permits. Application for an electrical permit shall describe the work to be performed on the form provided, and shall give the location either by street and house number, by lot, block and tract, or similar description that will readily identify and definitely locate the proposed work. A separate application shall be required for each building or structure.

EXCEPTION: Applications for single-family dwellings may include all accessory buildings such as garages, sheds, guest houses, and the like that are located on the same lot and erected at the same time as the main building.

The applicant for electrical permits for work exceeding two hundred dollars (\$200) in value shall be a licensed contractor, registered maintenance electrician, homeowner, or authorized government representative.

The Chief Electrical Inspector may refuse to issue a permit for temporary or permanent service when there is no apparent legally permitted use for the service. In determining whether a proposed use is legally permitted, the Chief Electrical Inspector may consider not just the provisions of the Electrical Code but all applicable statutes, ordinances, rules and regulations.

(a) Licensed Contractor. A licensed contractor is a person who is engaged in the business of installing or repairing electrical wiring or equipment or who does, or who holds himself out as willing to do personally or through his employees any work or services in connection with the installation, alteration, or repair of any electrical wiring or equipment or part thereof, and who possesses an appropriate contractor's license pursuant to Chapter 9, Division 3 of the Business and Professions Code of the State of California when such license includes within its classification limitations the activities set forth on the application for permit and entitles the licensee to perform personally or through his employees all such activities without personal local qualification or registration.

A permit may be issued to a firm, partnership or corporation, any officer or member of which is a licensed contractor, in the event that all construction or work is done under the direct personal supervision of such officer or member.

(b) Registered Maintenance Electrician. A Registered Maintenance Electrician is a person possessing a valid Certificate of Registration issued by the Chief Electrical Inspector.

A Certificate of Registration as Maintenance Electrician, upon application therefor, may be issued to any person regularly employing one or more electricians for the purpose of installation, alteration or maintenance of electrical wiring or equipment on his own premises. The application for such certificate shall be made in writing by a responsible officer of the firm, and shall designate one or more persons as registrant.

A registration fee shall be paid for each maintenance electrician as set forth in this Code. All such work shall be installed and done in accordance with the provisions of this Code, and such work shall be subject to permits, fees, and inspection to the same extent as all other similar work for which such inspection is provided.

The firm shall keep a record of all work performed under the maintenance certificate, showing the nature and location of the work, and such records shall be made available to the Chief Electrical Inspector.

(c) Homeowner. A homeowner is the owner of a single-family residence, including common accessory and minor poultry, animal or agricultural buildings. A permit may be issued to such homeowner for his principal place of residence and appurtenances thereto, provided that work authorized under any such permit shall be done by the person to whom the permit is issued, or by a member of his immediate family.

Should any provision of Sections (a), (b) or (c) be violated, the permit shall be subject to immediate cancellation. This permit cancellation is in addition to any other enforcement provisions or penalties provided for in this Code.

(d) Government Representative. A government representative is a person who is employed by and who has been authorized by a governmental agency to supervise or control electrical work on the premises of such agency.

(e) Special Permission. When there appears to the Chief Electrical Inspector an urgent necessity, an electrical permit may be issued to other persons by special permission.

(f) Expiration of Application. When no permit is issued within one year following the date of the application therefor, the application shall automatically expire. Plans and specifications previously submitted may thereafter be returned

to the applicant or destroyed by the Chief Electrical Inspector. The Chief Electrical Inspector may grant up to two extensions not exceeding 180 days per extension beyond the initial one-year limit upon written request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken and upon payment of an extension fee in an amount determined by the Chief Electrical Inspector, not to exceed 25 percent of the plan check fee.

Once an application, including any extension(s) thereof has expired, the applicant shall file a new application, resubmit plans and specifications and pay a new plan checking or review fee.

Sec. 82-5. Plans. When required by the Chief Electrical Inspector, the applicant shall submit two sets of plans, specifications, calculations, and/or reports with the application for the electrical permit. When a plan checking fee or other fees are required by this or any related ordinance or statute, such fees shall be collected at the time plans are filed. Unless otherwise permitted by the Chief Electrical Inspector, all plans, specifications, calculations, and/or reports shall be prepared and designed by a professional electrical engineer registered in the State of California in accordance with the Professional Engineer's Act (California Business and Professions Code sections 6700, et seq.), or by a person who is qualified to prepare electrical engineering documents and who is exempt from registration pursuant to the provisions of the Professional Engineer's Act.

Except for plans prepared solely for the purpose of demonstrating compliance with the requirements of Part 6 of Title 24 of the California Code of Regulations (California Energy Code) or except as otherwise permitted by the Chief Electrical Inspector, all plans, specifications, calculations, and/or reports shall bear the signature and the seal or stamp of the person preparing the documents.

Sec. 82-6. Electrical Permits. The application, plans and specifications filed as required, shall be checked by the Chief Electrical Inspector, and if found to be in conformity with the requirements of this Code and all other laws or ordinances applicable thereto, the Chief Electrical Inspector shall, upon receipt of the required fee, issue a permit therefor.

The issuance or granting of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this Code or of any other laws or ordinances. No permit presuming to give authority to violate or cancel the provisions of this Code or any other laws or ordinances shall be valid.

The issuance of a permit based on plans and specifications shall not prevent the Chief Electrical Inspector from thereafter

requiring the correction of errors in said plans and specifications, or from preventing construction being carried on thereunder when in violation of this Code or of any other laws and ordinances.

Sec. 82-8. Fees. Except as otherwise provided herein, at the time of filing an application therefor, a fee shall be paid to the Chief Electrical Inspector as set forth in this Section.

(a) Electrical Permit Fees.

PERMITS.

1. For issuing permits, each \$36.00

SYSTEM FEE SCHEDULE.

(Note: The following do not include permit issuing fee.)

New Residential Buildings:

The following fees shall include all wiring and electrical equipment in or on each building, or other electrical equipment on the same premises constructed at the same time.

2. For new multifamily residential buildings (apartments and condominiums) having three (3) or more living units not including garages, carports, and other noncommercial automobile storage areas constructed at the same time, per square foot \$0.10

For garages, carports, and other accessory buildings, used in conjunction with multifamily residential buildings use BRANCH CIRCUIT FEE OR UNIT FEE SCHEDULE.

3. For new single or two-family residential buildings not including garages, carports and other minor accessory buildings constructed at the same time, per square foot \$0.20

For garages, carports and other minor accessory buildings constructed at the same time as single or two-family residential buildings, a fee will not be required. For other types of residential occupancies and alterations, additions and modifications to existing residential buildings, use BRANCH CIRCUIT FEE OR UNIT FEE SCHEDULE.

4. Private Swimming Pools:

For new private, residential, inground swimming pools for single or multifamily occupancies, including a complete system of necessary branch circuit wiring, bonding, grounding, underwater lighting, water pumping and other similar electrical equipment directly related to the operation of a swimming pool, each \$105.80

For other types of swimming pools, therapeutic whirlpools, spas, hot tubs and alterations to existing swimming pools, each \$71.20

5. Carnivals and Circuses:

Carnivals, circuses or other traveling shows or exhibitions utilizing transportable-type rides, booths, displays and attractions:

For electric generators and electrically driven rides, each \$50.80

For mechanically driven rides and walk-through attractions or displays having electric lighting, each \$21.30

For a system of area and booth lighting, each \$21.30

For permanently installed rides, booths, displays and attractions, use UNIT FEE SCHEDULE.

6. Temporary Power Service:

For a temporary service power pole or pedestal, including all pole or pedestal mounted receptacle outlets and appurtenances, each \$56.90

For a temporary distribution system and temporary lighting and receptacle outlets for construction sites, decorative lighting, Christmas tree sales lots, firework stands, sales booths, additional pole, etc., each \$27.90

BRANCH CIRCUIT AND UNIT FEE SCHEDULES.

(Note: 1. The following do not include permit issuing fees;
2. Where appropriate either fee schedule may be used.)

7. Branch Circuit Fees (Alternate to Unit Fees):

Branch circuit fees apply to new branch circuit wiring and the lighting fixtures, switches and receptacles which are supplied by these branch circuits, including their outlets.

For 15 or 20 ampere 120-volt lighting or general use receptacles:

First 10 branch circuits, each	\$22.60
Each additional branch circuit from 11 to 40 inclusive	\$18.80
Each additional branch circuit over 40	\$16.80
For 15 or 20 ampere 208 volt to 277 volt lighting, each	\$35.60

Exception: An individual multiwire branch circuit supplying one appliance may be counted as one circuit.

Unit Fees (Alternate to Branch Circuit Fees):

8. Receptacle, Switch, Lighting, or Other:

For receptacle, switch, lighting, or other outlets at which current is used or controlled, except services, feeders, and meters:

First 20, each	\$2.80
Additional outlets, each	\$1.90

(Note: For multi-outlet assemblies, each five feet or fraction thereof may be considered as one outlet.)

9. Lighting Fixtures:

For lighting fixtures, sockets, or other lamp-holding devices:

First 20, each	\$2.80
Additional fixtures, each	\$1.90
For pole or platform mounted lighting fixtures, each	\$3.30
For theatrical-type lighting fixtures or assemblies, each	\$3.30

10. Residential Appliances of Three Horsepower or Less:

For fixed residential appliances or receptacle outlets for same, including wall-mounted electric ovens, counter-mounted cooking tops, electric ranges, self-contained room, console, or through-wall air conditioners, space heaters, food-waste grinders, dishwashers, washing machines, water heaters, clothes dryers, or other motor-operated appliances, not exceeding three (3) horsepower (HP) in rating, each

	\$13.90
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Note: For other types of air conditioners and other motor-driven appliances having larger electrical ratings, see Power Apparatus.

11. Other Appliances of Three Horsepower or Less:

For any appliance installed in a nonresidential occupancy and not exceeding three (3) horsepower (HP), kilowatt (KW), or kilovolt-ampere (KVA) in rating, including medical and dental devices, food, beverage, and ice cream cabinets, illuminated showcases, drinking fountains, vending machines, laundry machines, or other similar types of equipment, each

	\$20.20
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(Note: 1. As used in the above sentence, “nonresidential occupancy” includes but is not limited to hotels and motels.
 2. For other types of air conditioners and other motor-driven appliances having larger electrical ratings, see Power Apparatus.)

20. For investigation and review of test reports from local testing laboratories, or to comply with the requirements of Section 83-3, alternate material and methods:	
Reports for one (1) to ten (10) electrical items, apparatus, machine tools, appliances, or other electrical equipment	\$329.70
For eleven (11) to twenty (20) items	\$659.00
For twenty-one (21) to fifty (50) items	\$988.70
For more than fifty (50) items	\$1098.80
For high-voltage switchgears, transformers or substations, each	\$659.00
21. For investigation of alternate materials and methods performed by the Chief Electrical Inspector, as required by Section 83-3	
For the initial filing fee	\$285.60
For each hour or fraction thereof, in excess of two	\$142.80

(b) Plan Checking Fee. When required by the Chief Electrical Inspector, plans shall be submitted for enforcement of any provisions of this Code. The plan checking fees shall be paid when the plans are submitted for review. With respect to the work described below no wiring shall be installed, nor any other work for which a permit is required shall be done, until the plans have been approved. Only after the plans have been approved may the applicant apply for an electrical permit for such work.

The fee for each plan check shall be equal to seventy percent (70%) of the required permit fee as set forth in subsection (a) of this Section; provided, however, the minimum fee shall be \$142.80

The fee for each plan check of tenant improvement installations requiring review to verify compliance with the State’s Electrical Energy Conservation requirements (Title 24) shall be \$17.80 for each 1000 square feet of tenant improvement; provided, however, the minimum fee shall be \$71.60.

EXCEPTION: This fee shall not apply where a building plan check fee has been paid under Title 26.

In addition to the aforementioned fees, the Chief Electrical Inspector may require additional charges at the rate of \$142.80 per hour for review required by complexity of plans, or revisions of approved plans or reports, or for services beyond the first and second plan check due to changes, omissions or errors on the part of the applicant. The payment of said fees shall not exempt any person from compliance with other provisions of this Code.

When the Chief Electrical Inspector determines that an identical electrical design is evident in more than one building or structure in a single project, the plan checking fees for the design of the first building or structure will be as set forth above. Plan checking fees for other buildings and structures with identical electrical designs in the same project will be equal to 70 percent (70%) of the plan checking fee for the first building or structure. Such fees shall be paid at the time an application is made for such identical building or structure.

(c) Information Required On Plans.

(1) Every plan required by Section 82-8(b) shall be a print or other type approved by the Electrical Section of the Building and Safety Division. The information contained on the plans shall be drawn to scale in a professional manner, be clearly legible, and contain the information required in subsection (2) below. Reasonable symbols satisfactory to the Division shall be used on all plans.

(2) The following is required to be shown on the plans for the wiring installations described in Section 82.8(b):

A complete plan showing the layout of the proposed electric wiring for each floor, including dimensions of all working spaces, and a legend of all symbols used;

A complete single line diagram;

The type, location and capacity of all service equipment, and a dimensioned elevation diagram of the service;

The size and the length of all service raceways to the manhole, vault or pole of the serving agency or to the service head;

The size of all raceways and the length of all feeder raceways;

The dimensions of all pull or junction boxes larger than 4 inches (102 mm) trade size;

The number, size and type of all conductors to be installed in wiring enclosures;

The location of every proposed outlet and switch in all parts of the building or structure, including all fixed showcases, wall cases, office furnishings and similar wiring;

The wattage or ampere rating of each outlet for noninductive loads and the volt-ampere rating of each unit or transformer for electric discharge lighting;

The location, voltage and HP rating of every motor and the KW rating of every generator;

The type and code letter of every AC motor, unless an alternate specification is otherwise satisfactory to the Chief Electrical Inspector;

The location and KVA, or equivalent rating of each transformer, capacitor, ballast, converter, frequency changer and similar equipment; and the locations and ampere or wattage rating of other appliances of the noninductive type;

Details of panelboard, switchboard and distribution centers, showing type and arrangement of switches, overcurrent devices, and general control equipment;

Panelboard, switchboard and motor control center schedules, showing wattage and amperage, the number of active branch circuits to be installed, and the number of spare branch circuits for future use. This shall include identifying the circuits to which the outlets are connected and listing the number and type of outlets;

A lighting fixture schedule;

The existing load, as calculated in accordance with Articles 210 and 220 of the California Electrical Code or by other methods satisfactory to the Chief Electrical Inspector shall be indicated for existing installations having alterations or additions made thereto;

Other additional information as the Chief Electrical Inspector may consider necessary for proper enforcement of this Code.

(d) Maintenance Electrician Registration Fee. A fee shall be paid for each Certificate of Registration as Maintenance Electrician. Each registration shall expire on June 30, biennially, in even-numbered years, and each such certificate may be renewed on or before that date upon payment of the renewal fee.

Registration and Renewal Fee, each \$274.80

(e) Investigation Fee for Work Without a Permit. Whenever any work has been commenced without a permit as required by the provisions of Section 82-3 of this Code, a special investigation shall be made prior to the issuance of the permit. An investigation fee shall be collected for each permit so investigated. The investigation fee shall be equal to and in addition to the permit fees specified in Section 82-8, but in no event shall the investigation fee be less than \$439.20.

EXCEPTION 1: The fee shall be \$219.60 when the Chief Electrical Inspector has determined that the owner-builder of a one family or two family dwelling, accessory building or accessory structure had no knowledge that a permit was necessary and had not previously applied for a permit from the Building and Safety Division of the County of Los Angeles.

EXCEPTION 2: The foregoing provisions shall not apply to emergency work when it shall be proved to the satisfaction of the Chief Electrical Inspector that such work was urgently necessary and that it was not practical to obtain a permit therefor before the commencement of the work. In all such cases, a permit must be obtained as soon as it is practical to do so, and if there be an unreasonable delay in obtaining such permit, this exception shall not apply and the investigation fee shall be charged.

Sec. 82-9. Cancellation or Surrender of Permit. If no portion of the work or construction covered by a permit issued by the Chief Electrical Inspector under the provisions of this Code has been commenced, the person to whom such permit has been issued may deliver such permit to the Chief Electrical Inspector with the request that such permit be canceled. The Chief Electrical Inspector shall thereupon stamp or write on the face of such permit the words “Canceled at the request of the permittee.” Thereupon such permit shall be void and of no effect.

Sec. 82-10. Suspension or Revocation of Permit. The Chief Electrical Inspector may suspend or revoke any permit issued under the provisions of this Code whenever such permit is issued in error, or is issued on the basis of incorrect information supplied, or has been obtained by falsification or misrepresentation, or when work is being done thereunder in violation of this or any other related ordinance or regulation.

Sec. 82-11. Refund. In the event that any person shall have obtained a permit and no portion of the work or construction covered by such permit shall have been commenced and such permit shall have been canceled or expired without any work having been done as provided for in this Code, the permittee, upon presentation to the Chief Electrical Inspector of a request therefor in writing, shall be entitled to a refund in an amount equal to 80 percent of the fee actually paid for such permit.

The Chief Electrical Inspector shall be satisfied as to the right of such applicant to such refund, and each such refund shall be paid as provided by law for the payment of claims against the County. No refund shall be made when a permit has been obtained by falsification or misrepresentation and has been revoked for such cause.

Sec. 82-12. Transfer. Permits are not transferable from one person to another or from one location to another.

Sec. 82-13. Exemption from Fees. The requirements for fees contained in this Code shall not apply when the collection of such fees is contrary to the provisions of any contract to which the County of Los Angeles is a party or is legally prohibited by other laws or ordinances. A fee shall not be required for a permit to perform work regulated by this Code for a trailer coach exempt from fees in Title 26, entitled “Building Code,” or when a combination permit is issued in compliance with the requirements of Title 26.

Sec. 82-14. Inspection

(a) Scope. All new electrical work, and such portions of existing systems as may be affected by new work, or any changes, shall be inspected by the Chief Electrical Inspector to insure compliance with all the requirements of this Code.

(b) Advance Notice. It shall be the duty of the person doing the work authorized by the permit to notify the Chief Electrical Inspector that said work is ready for inspection. Such notification shall be given not less than 24 hours before the work is to be inspected.

ARTICLE 83

*REQUIREMENTS FOR INSTALLATION —
METHODS AND MATERIALS*

Sec. 83-1. Installation. All electrical installation shall be in conformity with the provisions of this Code, and shall be in conformity with approved standards for safety to life and property. Where no specific type or class of material, or no specific standards are prescribed by this Code, or by the California Electrical Code, conformity with a standard designated by the Chief Electrical Inspector shall be prima facie evidence of conformity with an approved standard for safety to life and property.

Sec. 83-2. Materials. All electrical materials, devices, appliances and equipment shall be in conformity with the provision of this Code, shall comply with nationally recognized standards, and shall be certified by a recognized testing laboratory as acceptable to the Chief Electrical Inspector.

Sec. 83-3. Alternate Materials and Methods of Construction and Modifications.

(a) Alternate Materials and Methods of Construction. The provisions of this Code are not intended to prevent the use of any material, appliance, installation, device, arrangement, method, design, or method of construction not specifically prescribed by this Code, provided any such alternate has been approved by the Chief Electrical Inspector.

The Chief Electrical Inspector shall have the authority to approve on a case-by-case basis any such alternate that is found to be satisfactory and does not lessen provisions for safety or health required by this Code.

Such approval shall be based upon submittal of substantiating data and including, but not limited to, performance characteristics, measurements, calculations, diagrams, equipment and construction factors, where applicable.

A written application for the use of an alternate material, design, or method of construction shall be submitted by the owner or owner's agent together with the filing fee specified in Section 82-8(a), item 21.

(b) Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this Code, the Chief Electrical Inspector shall have the authority to grant minor modifications on a case by case basis, provided the Chief Electrical Inspector shall first find that a special individual reason makes the strict letter of this Code impractical and that the modification is in conformity with the spirit and purpose of this Code and that such modification does not lessen any health, fire-protection, or other life-safety related requirements. The details of any action granting modifications shall be recorded and entered in the files of the code enforcement agency.

A written application for a modification shall be submitted by the owner's agent together with the filing fee specified in Section 82-8(a), item 21.

Sec. 83-4. Used Material. Previously used construction materials shall not be reused in any work without special permission.

Previously used industrial apparatus and processing equipment may be reinstalled provided it complies with all applicable provisions of this Code and with prior approval of the Chief Electrical Inspector.

Sec. 83-5. Existing Installations. No provision of this Code shall be deemed to require a change in any portion of electrical systems or any other work regulated by this Code in or on an existing building or lot when such work was installed and is maintained in accordance with law in effect prior to the effective date of this Code, except when any such electrical systems or other work regulated by this Code is determined by the Chief Electrical Inspector to be in fact dangerous, unsafe, or a nuisance, and a menace to life, health or property.

Sec. 83-6. Additions, Alterations, Renewals and Repairs. Additions, alterations, renewals and repairs to existing installations shall be made in accordance with the provisions of this Code.

EXCEPTION: Minor additions, alterations, renewals and repairs to existing installations when approved by the Chief Electrical Inspector may be installed in accordance with the law in effect prior to the effective date of this Code.

Sec. 83-7. Electrical Testing Certifications. Electrical testing certifications will be accepted as complying with the requirements of this Code only when such certifications are issued in accordance with this Code and nationally recognized standards by electrical testing laboratories which have been accredited by the Chief Electrical Inspector.

The Chief Electrical Inspector recognizes three types of electrical testing laboratories:

- o Nationally Recognized Testing Laboratories;
- o Field Evaluation Organization Laboratories; and
- o Calibration Laboratories.

Sec. 83-8. Accreditation of Electrical Testing Laboratories

(a) Nationally Recognized Testing Laboratories. A Nationally Recognized Testing Laboratory (NRTL) accreditation issued by the United States Occupational Safety and Health Administration is accepted by the Chief Electrical Inspector as meeting the accreditation requirements of this Code for listing and labeling testing laboratories.

ARTICLE 84

VIOLATIONS AND PENALTIES

L **Sec. 84-1. Violations and Penalties.** Any person, firm or
A corporation violating any of the provisions of this Code shall
L be guilty of a misdemeanor, and each such person shall be
L guilty of a separate offense for each and every day or portion
A thereof during which any violation of any of the provisions
L of this Code is committed, continued, or permitted, and upon
A conviction of any such violation, such person shall be
L punishable by a fine of not more than \$1000 or by
A imprisonment for not more than six months, or by both such
L fine and imprisonment.

L The provisions of this section are in addition to and
A independent of any other sanctions, penalties or costs which
L are or may otherwise be imposed for a violation of any of the
A provisions of this Code.
L

Sec. 84-2. Noncompliance Fee. If the Chief Electrical
Inspector in the course of enforcing the provisions of this
Code or any state law issues an order to a person and that
person fails to comply with the order within 15 days following
the due date for compliance stated in the order, including any
extensions thereof, then the Chief Electrical Inspector shall
have the authority to collect a noncompliance fee.

The noncompliance fee shall not be imposed unless the order
states that a failure to comply within 15 days after the
compliance date specified in the order will result in the fee
being imposed. No more than one such fee shall be collected
for failure to comply with an order. The amount of the
noncompliance fee shall be \$131.90 per building for Group R,
Division 3 occupancies and \$264.00 per building for all other
occupancies, and shall be in addition to the fees specified
elsewhere in this Code.

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ARTICLE 85

ELECTRIC VEHICLE CHARGING STATIONS

Sections:

85-1. Scope

85-2. Definitions

85-3. Application For Permit

85-4. Permits

85-5. Fees

85-6. Inspections

85-7. Electric Vehicle Charging Station System Requirements

Sec. 85-1. Scope. The provisions of this Article are intended to create an expedited permitting and inspection process for electric vehicle charging stations and to implement consistent statewide standards for their timely and cost effective installation.

Sec. 85-2. Definitions. For the purpose of this Article, words and terms used in this Article shall have the meanings set forth in this Section. Where terms are not defined in this Section and are defined elsewhere in this Code, or the Building Code, such terms shall have the meanings ascribed to them in such codes. Where terms are not defined through the methods authorized by this Section, such terms shall have their ordinary accepted meanings such as the context implies.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) or ELECTRIC VEHICLE CHARGING STATION. Consists of the conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

Sec. 85-3. Application for Permit. The application for permit shall meet the requirements of Sections 81-2, 82-3, and 82-4 and may be submitted in person or electronically through the online submittal system maintained by the Building Official. Prior to submitting an application for an expedited permit, the applicant shall verify that the installation meets all criteria in Section 85-7. Upon receipt of an incomplete application, a

written correction notice shall be issued detailing all deficiencies in the application and any additional information required to be eligible for expedited permit issuance.

Sec. 85-4. Permits. Upon approval of a permit application by the Building Official, an electrical or building permit, as applicable, will be issued for work described in the application. EVSEs and their associated electrical equipment rated for less than four-hundred (400) amps do not require an electrical plan check, and a permit for that specific installation may be obtained over the counter at a local Building and Safety District Office.

Sec. 85-5. Fees. Permit fees for the installation of electric vehicle charging stations or EVSEs shall be charged according to the applicable fees prescribed in Section 82-8 of this Code and Section 107 of the Building Code, as applicable. The electrical permit fee for EVSEs shall be the same rate as the electrical power equipment in Section 82-8 of this Code.

Sec. 85-6. Inspections. All construction or work for electric vehicle charging stations for which a permit is required shall be subject to inspection by the Building Official and such construction work shall remain accessible and exposed for inspection purposes until approved by the Building Official as specified in Section 81-4.

Sec. 85-7. Electric Vehicle Charging Station System Requirements.

(a) General. The design of electric vehicle charging stations shall comply with this Section to qualify for expedited permit issuance.

(b) Plug-in Electric Vehicle Infrastructure Permitting Checklist. The permit application for the electric vehicle charging stations must comply with the requirements of the plug-in electric vehicle infrastructure permitting checklist, which is contained in the most current version of the “Zero-Emission Vehicles in California: Community Readiness Guidebook” published by the Governor’s Office of Planning and Research of the State of California and as adopted by the Building Official.

(c) Minimum Electric Vehicle Charging Station Standards. The electric vehicle charging station or EVSE shall be identified and listed for the application as referenced in the Electrical Code.

(d) Compliance with Laws. The electric vehicle charging station or EVSE shall also comply with all other applicable Los Angeles County Codes and California Health and Safety Laws.

